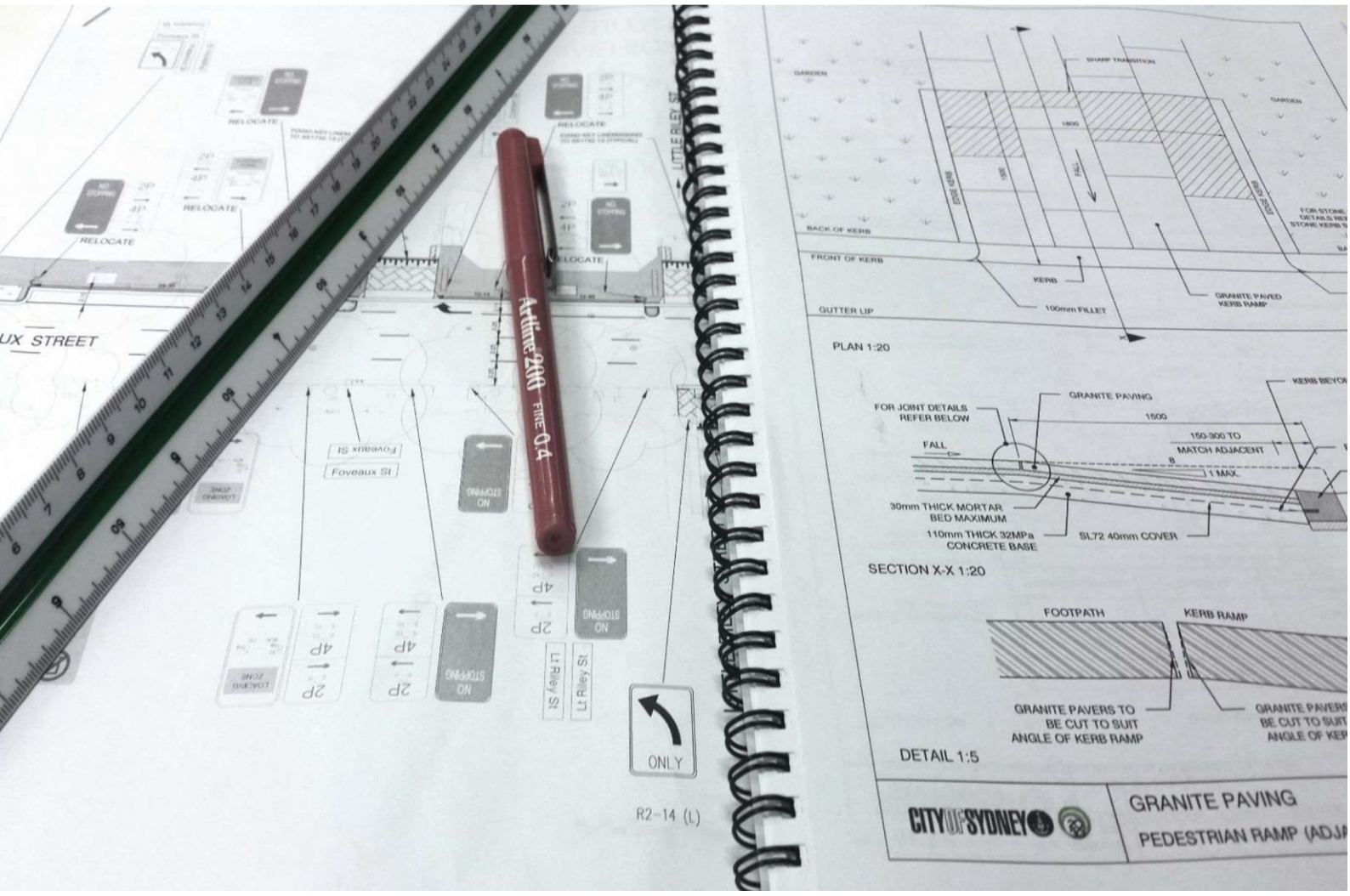
C: Standard Drawings

Revision 6: Aug 2023

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



CITY OF SYDNEY

Activity	Description	Drawing No
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Activity	Description	Drawing No
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Activity	Description	Drawing No
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Activity	Description	Drawing No
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Activity	Description	Drawing No
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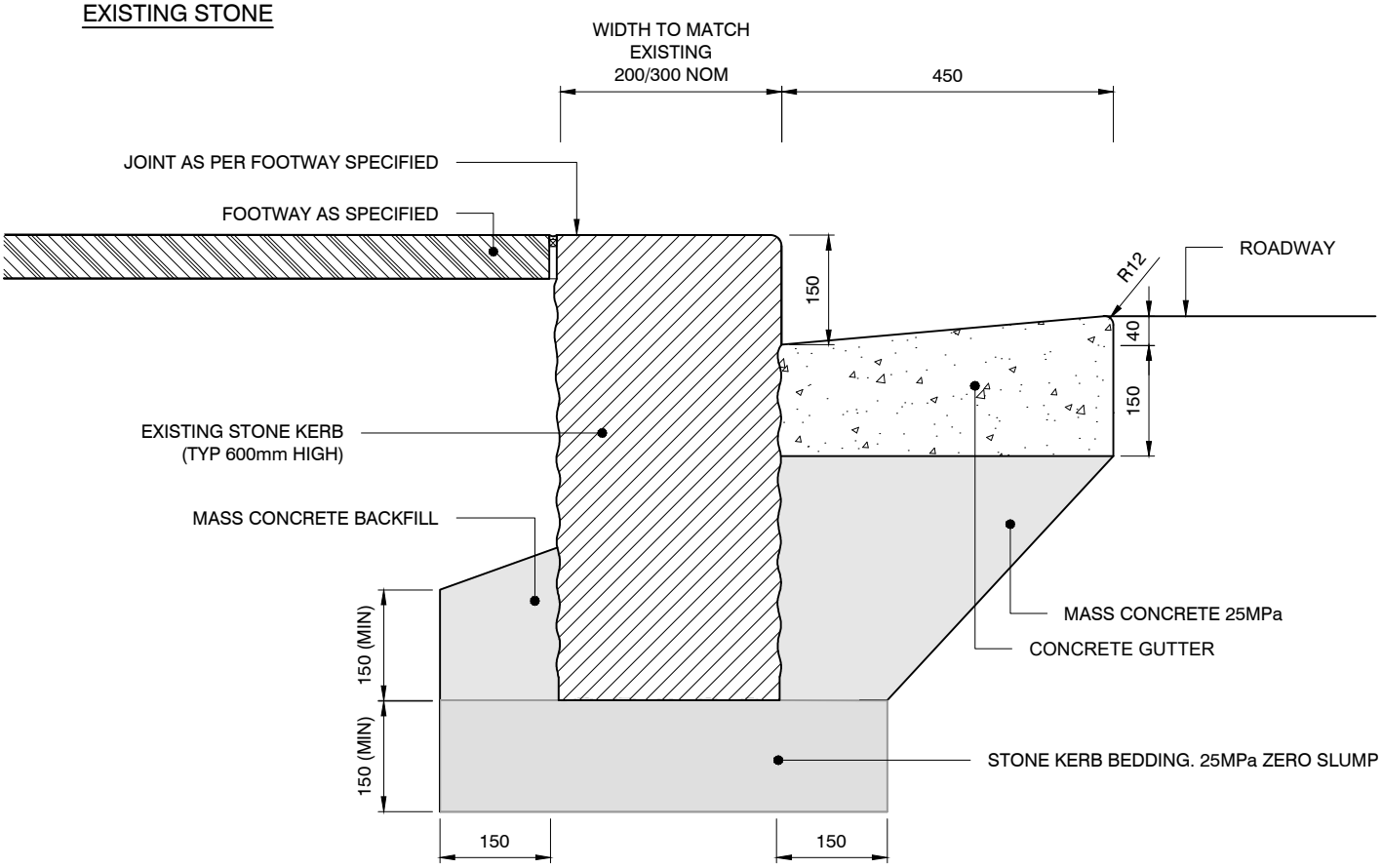
Revision Register

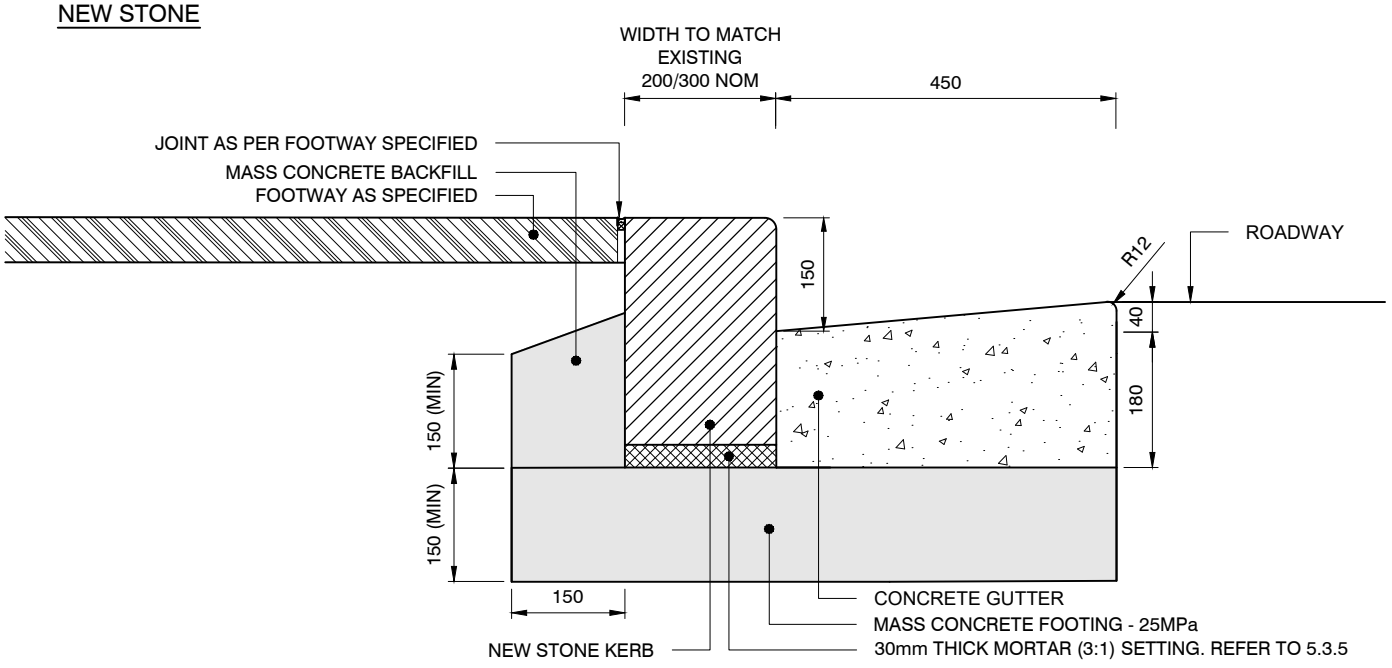
Drg. No.	Revision Details	Rev. No	Year
C1 Kerb & Gutter			
1.1.1	Mass concrete grade for existing stone revised to 25 Mpa to make it consistent with details of new stone kerb	E	Nov-22
1.1.15	Footing details updated to avoid differential settlement	E	Nov-22
1.1.16	New wearing course details updated to match existing wearing course thickness & type	E	Nov-22
C2 Footways			
2.1.2-2.1.5, 2.3.10	Class for pit lid/covers in footway updated to C from B	E	Nov-22
2.2.10 & 2.3.9	Reinforcement cover details updated	E	Nov-22
2.3.10	Compaction rate for DGB under gutter changed to 100% MDD from 98%	E	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%	E	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
2.6.1-2.6.2	Trip stop details included, CJ and Expansion joints shown in drawing	E	Nov-22
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
2.8.2	New drawing for structural details / joint details	-	Nov-22
C3 Roadways			
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
4.2.2	Tzannes seat footing details updated	E	Nov-22
4.3.1	Bin enclosure footing details updated	E	Nov-22
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
C5 Public Domain Lighting			
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	E	Nov-22
5.1.7	Plinth height amended for granite paving and note added for concrete/ asphalt paving	E	Nov-22

Drg. No.	Revision Details	Rev. No	Year
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	E	Nov-22
7.1.7	Trimmer bars & downpipe connection details updated	E	Nov-22
7.1.12	Structural details updated	E	Nov-22
7.1.13	Structural details updated	E	Nov-22
7.1.15	Drawings removed from standard drawings	-	Nov-22
7.1.16			Nov-22
7.1.17			Nov-22
7.2.2	Filter media specs removed from drawing and reference provided to tech specs	E	Nov-22
7.2.3	Filter media specs removed from drawing and reference provided to tech specs	E	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	E	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
7.2.15	Drawing removed from standard drawing	-	Nov-22

EXISTING STONE



NEW STONE



NOTES:

1. JOINTS IN CONCRETE GUTTERS:
   (i) CONTRACTION JOINT: WIDTH 5 mm, 20 mm DEPTH, AT 3 m INTERVALS
   (ii) EXPANSION JOINT: WIDTH 15 mm, FULL DEPTH OF GUTTER, AT 15 m INTERVALS
2. FOR ROAD RESTORATION ADJACENT TO KERB REFER TO STD DRG # 1.1.16
3. 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
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:10

CITY OF SYDNEY

KERB & GUTTER

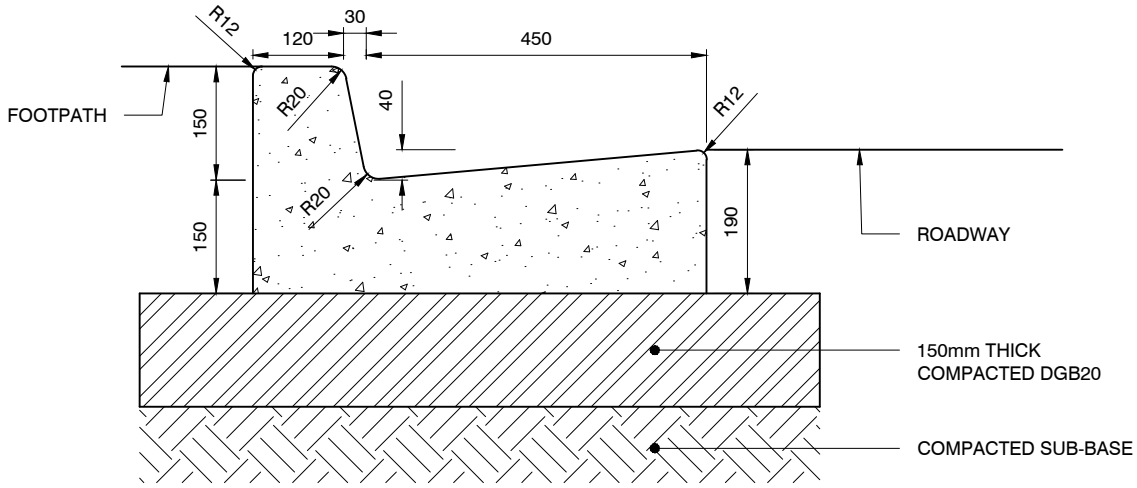
STONE KERB WITH CONCRETE GUTTER

Rev	E
Date	*16.11.22*
Approved	S A

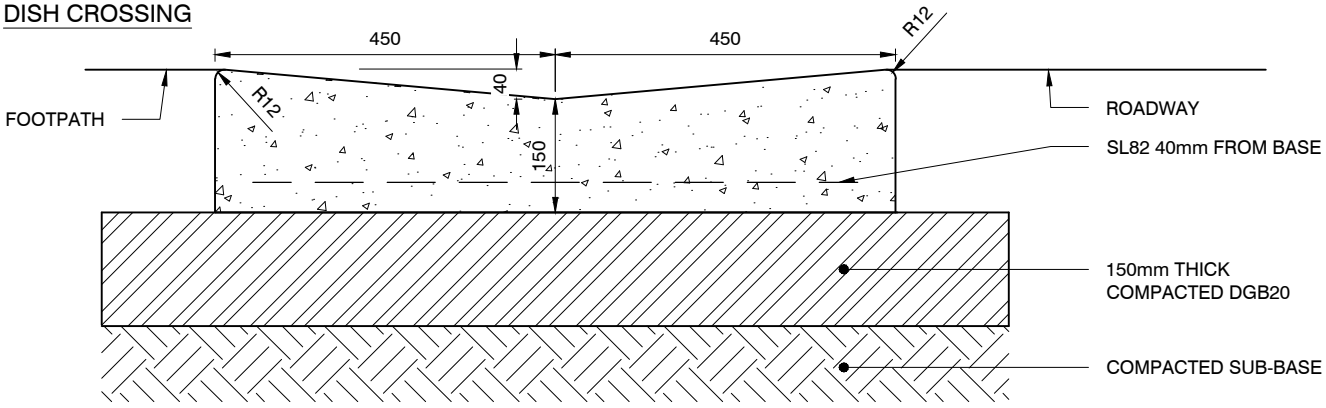
K & G

Dwg No. 1.1.1

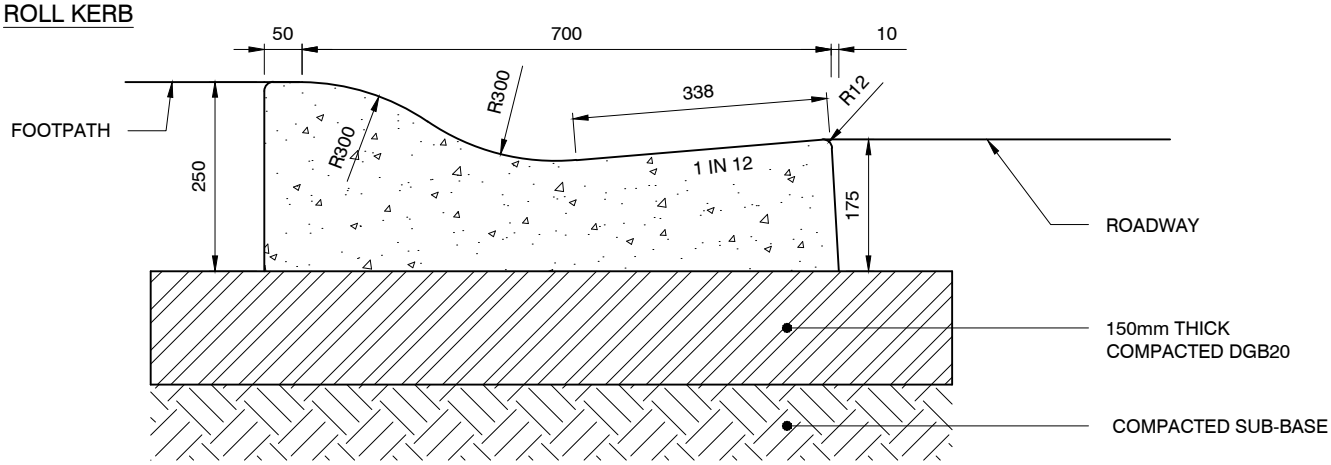
BARRIER KERB



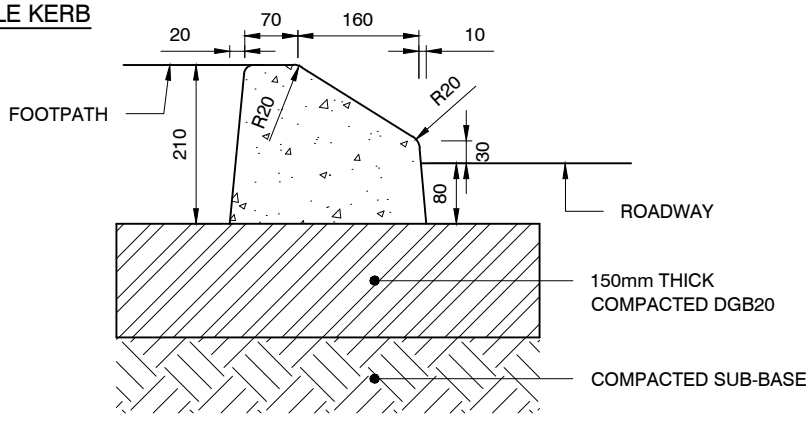
DISH CROSSING



ROLL KERB



MOUNTABLE KERB



NOTES:

1. ALL KERBS TO BE MIN 25MPa CONCRETE 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.

SCALE 1:10

CITY OF SYDNEY

KERB & GUTTER

CAST IN-SITU KERB AND GUTTER DETAILS

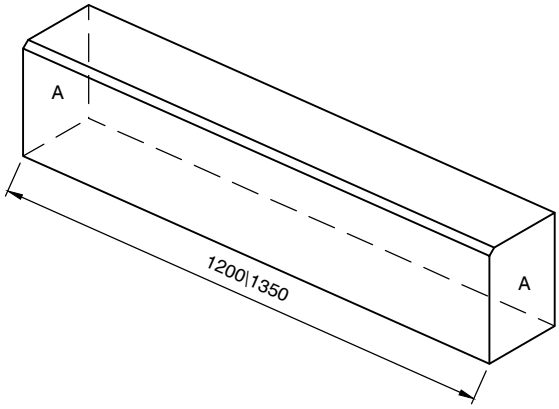
Rev	D
Date	*01.12.19*
Approved	P S

K&G

Dwg No.

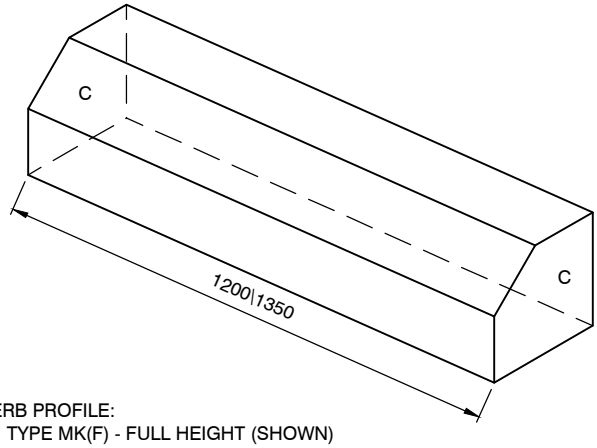
1.1.2

BARRIER KERB



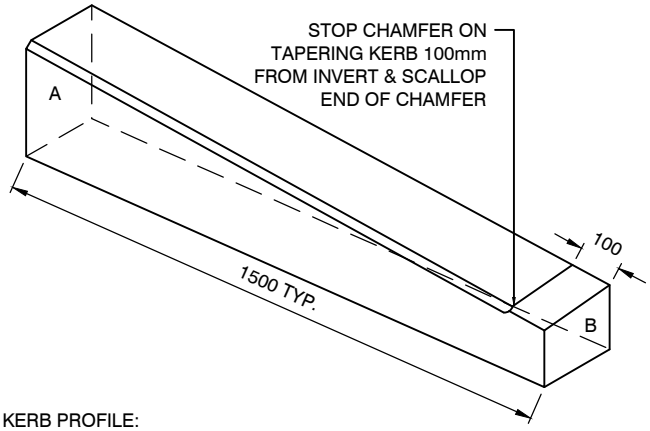
KERB PROFILE:
- TYPE K(F) - FULL HEIGHT
- TYPE K(FR) - FULL HEIGHT/ TO KERB RADIUS (SIMILAR)

MOUNTABLE KERB



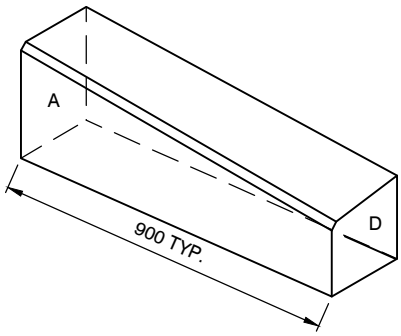
KERB PROFILE:
- TYPE MK(F) - FULL HEIGHT (SHOWN)
- TYPE M(FR) - FULL HEIGHT/ TO KERB RADIUS (SIMILAR)

KERB RAMP WING



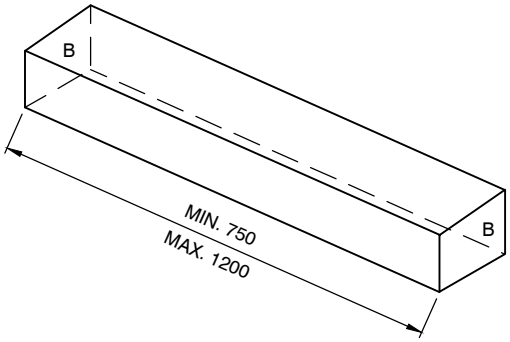
KERB PROFILE:
- TYPE K(KRF) - PEDESTRIAN CHAMFERED TO FALL
- TYPE K(KRFR) - PEDESTRIAN CHAMFERED TO FALL/TO KERB RADIUS (SIMILAR)

VEHICULAR CROSSING WING



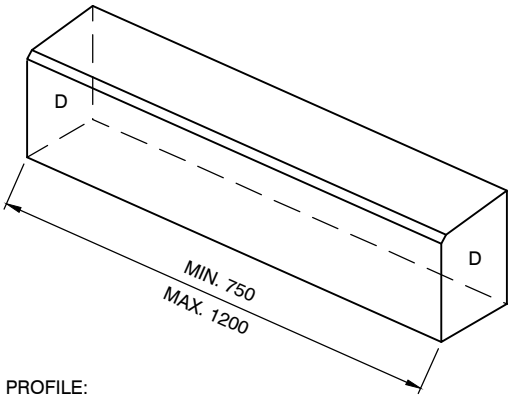
KERB PROFILE:
- TYPE K(VCF) - CHAMFERED TO FALL
- TYPE K(KRFR) - CHAMFERED TO FALL/TO KERB RADIUS (SIMILAR)

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

CITY OF SYDNEY

KERB & GUTTER

STONE KERB PROFILES - DEEP EMBEDMENT

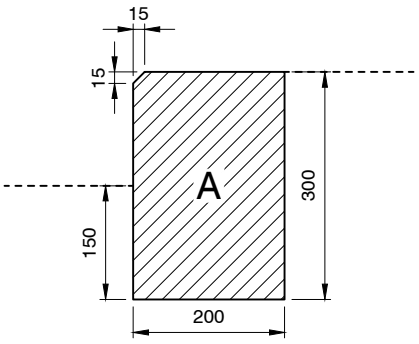
Rev	D
Date	*01.12.19*
Approved	P S

K&G

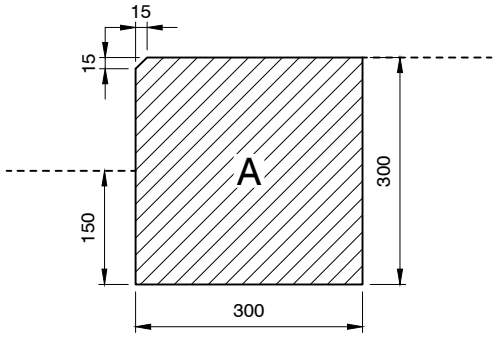
Dwg No.

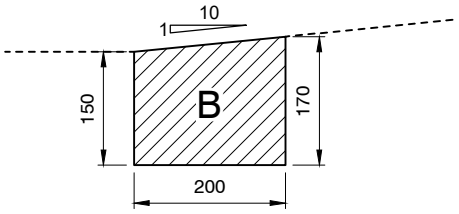
1.1.3

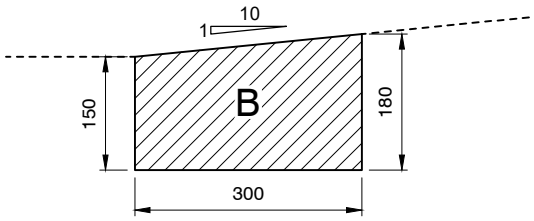
200mm WIDE KERB

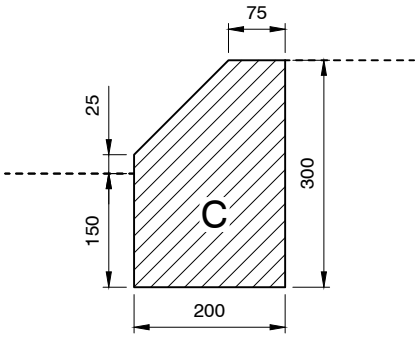


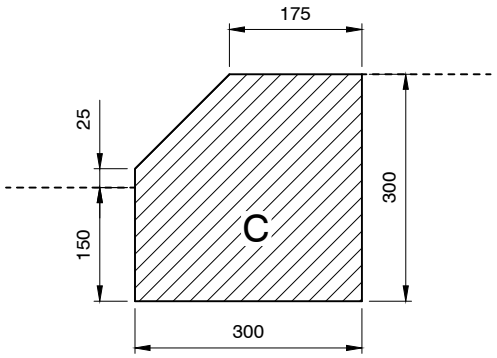
300mm WIDE KERB

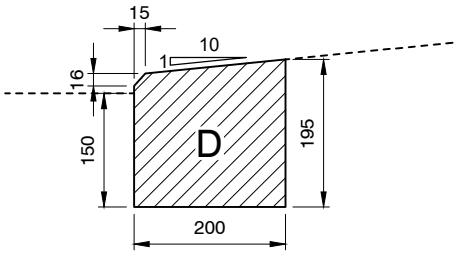


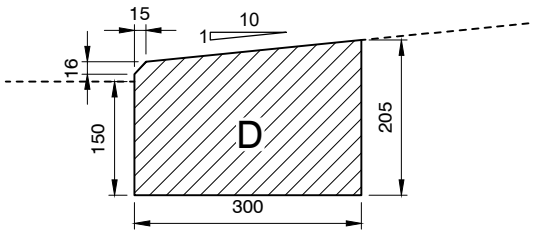












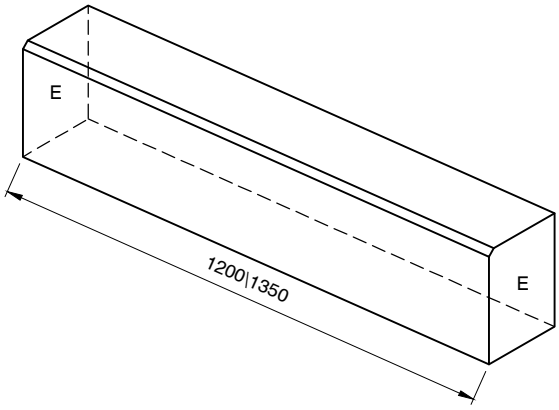
NOTES:

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

SECTION 1:10

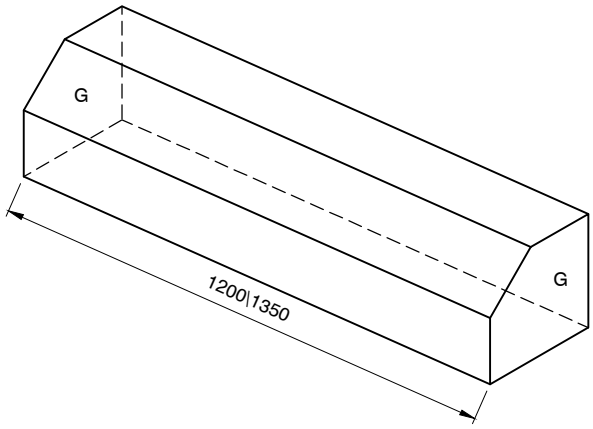
CITY OF SYDNEY	KERB & GUTTER STONE KERB SECTIONS - DEEP EMBEDMENT	**Rev** D **Date** *01.12.19* **Approved** P S K&G Dwg No. 1.1.4

BARRIER KERB



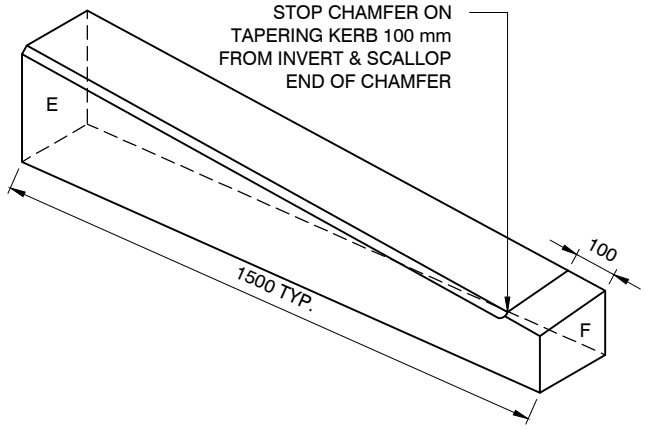
KERB PROFILE:
- TYPE K(F) - FULL HEIGHT
- TYPE K(FR) - FULL HEIGHT/TO KERB RADIUS (SIMILAR)

MOUNTABLE KERB



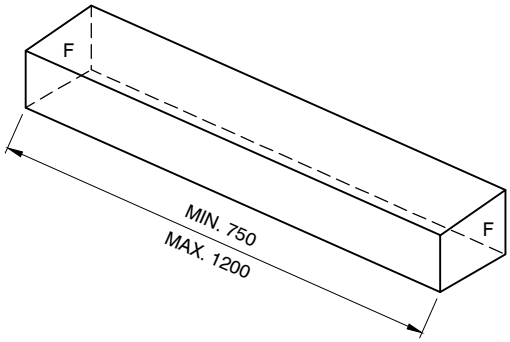
KERB PROFILE:
- TYPE MK(F) - FULL HEIGHT (SHOWN)
- TYPE MK(FR) - FULL HEIGHT ON KERB RADIUS (SIMILAR)

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

CITY OF SYDNEY

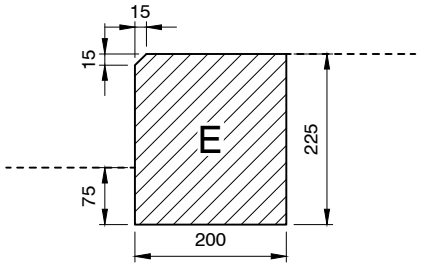
KERB & GUTTER

STONE KERB PROFILES - SHALLOW EMBEDMENT

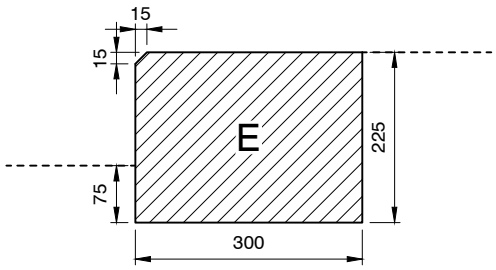
Rev	D
Date	*01.12.19*
Approved	P S

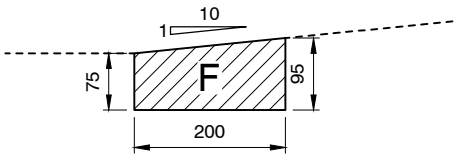
K&G
Dwg No.
1.1.5

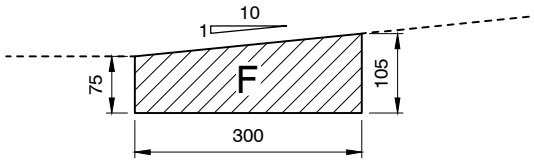
200 mm WIDE KERB

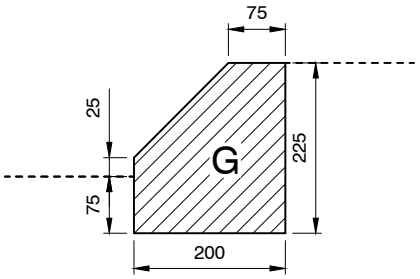


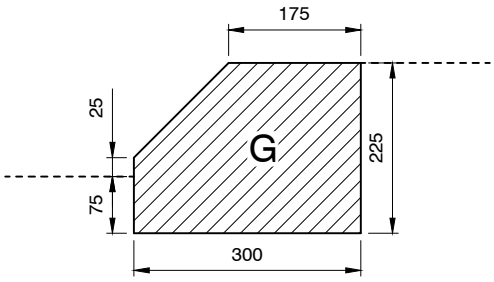
300 mm WIDE KERB











NOTES:

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

SCALE 1:10

CITY OF SYDNEY

KERB & GUTTER

STONE KERB SECTIONS - SHALLOW EMBEDMENT

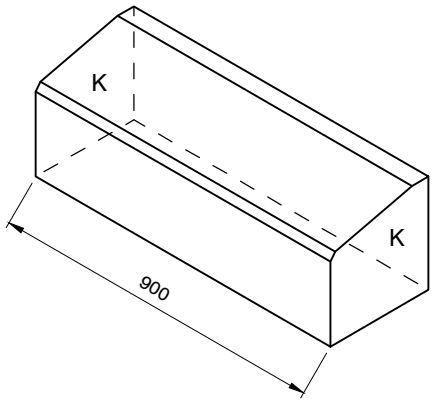
Rev	D
Date	*01.12.19*
Approved	P S

K&G

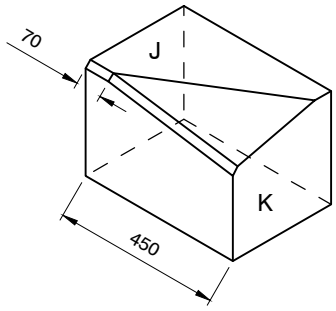
Dwg No.

1.1.6

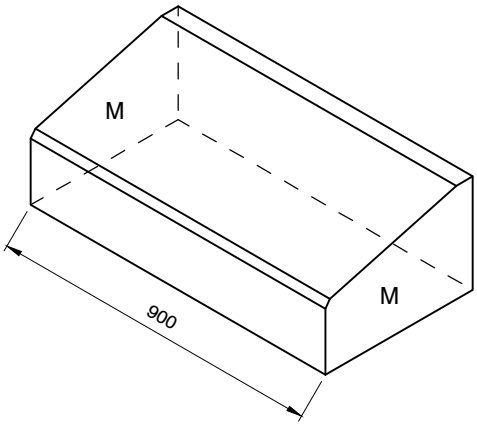
LAYBACK KERB 01 TO CYCLEWAY/
EMERGENCY VEHICLE (LK1VC)



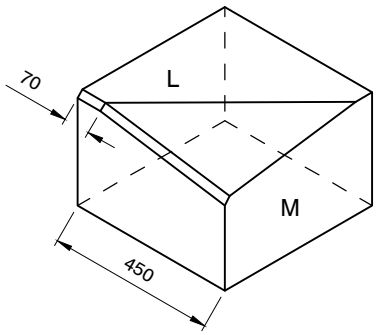
LAYBACK KERB 01 TO CYCLEWAY
TRANSITION (LK1VCT)



LAYBACK KERB 02 TO CYCLEWAY/
EMERGENCY VEHICLE (LK2VC)



LAYBACK KERB 02 TO CYCLEWAY
TRANSITION (LK1VCT)



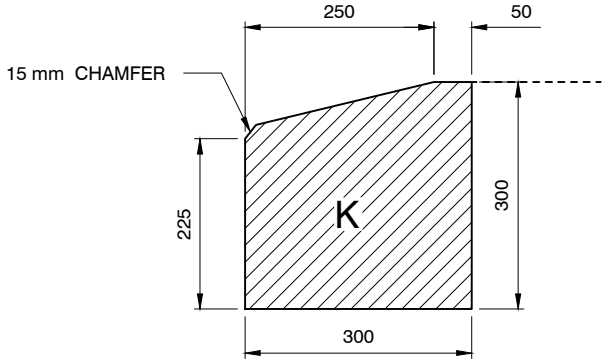
SCALE 1:20

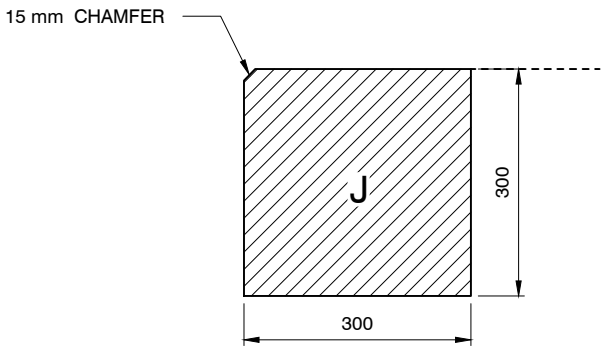
NOTES:

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

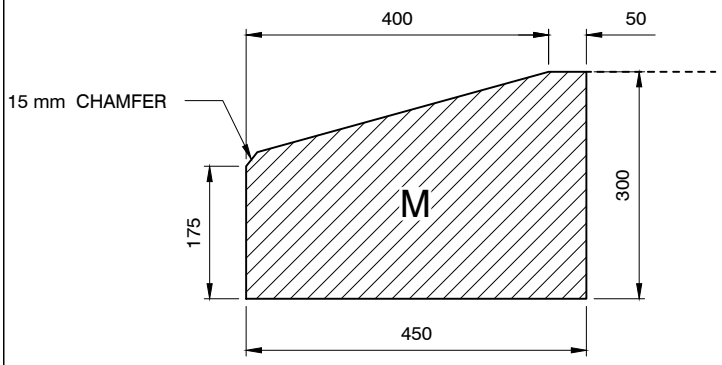
CITY OF SYDNEY	KERB & GUTTER STONE KERB LAYBACK PROFILES	**Rev** D **Date** *01.12.19* **Approved** P S
		K&G Dwg No. 1.1.7

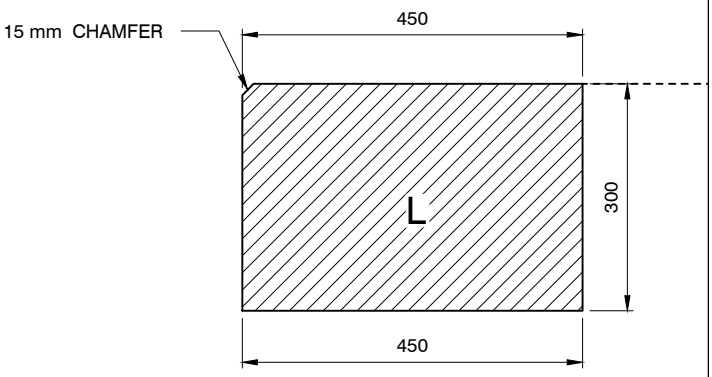
LAYBACK KERB 01 TO CYCLEWAY : LK1VC





LAYBACK KERB TO CYCLEWAY 02: LK2VC

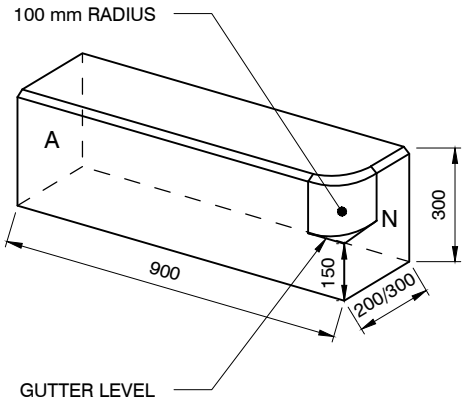




SECTION 1:10

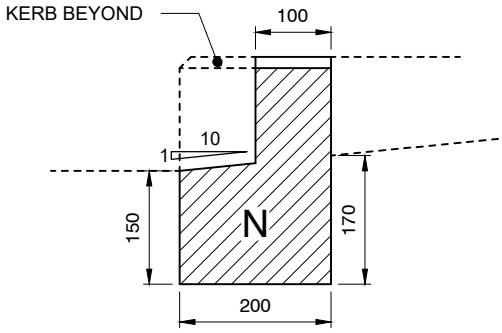
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	KERB & GUTTER STONE KERB LAYBACK SECTIONS	K&G Dwg No. 1.1.8
	Rev D **Date** *01.12.19* **Approved** P S	

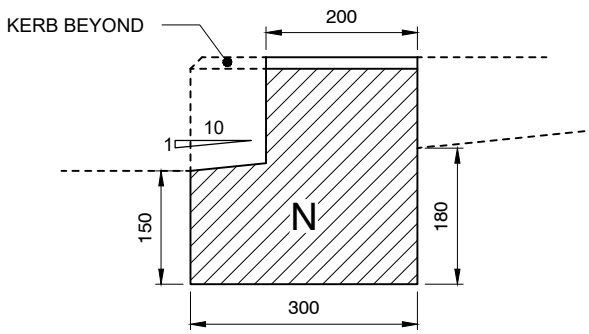


SECTION 1:20

200 mm WIDE KERB



300 mm WIDE KERB



SECTION 1:10

NOTES:

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

CITY OF SYDNEY

KERB & GUTTER

STONE KERB LAYBACK PROFILES

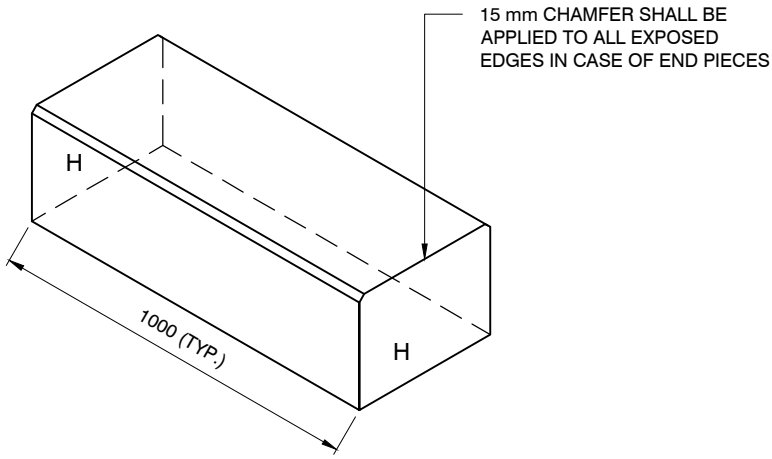
Rev	D
Date	*01.12.19*
Approved	P S

K&G

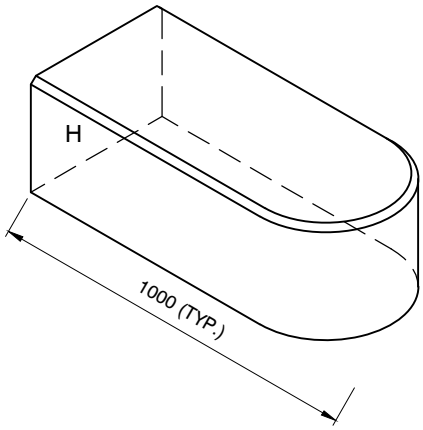
Dwg No.

1.1.9

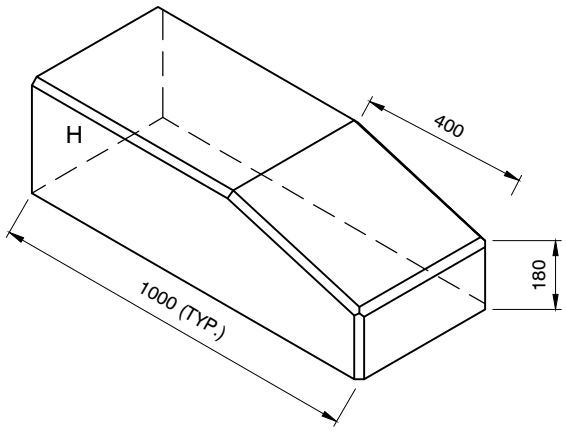
MEDIAN KERB (MK2)



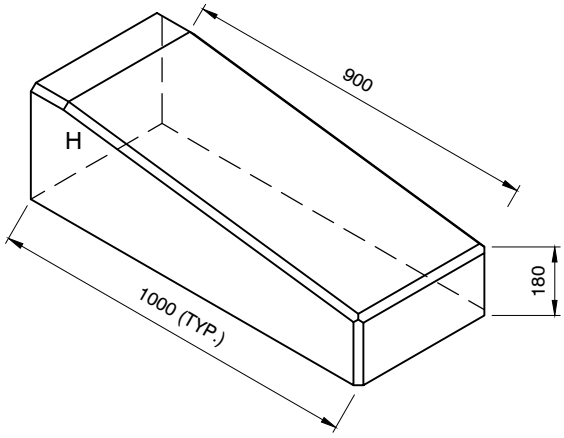
MEDIAN KERB WITH BULLNOSE (MK2BN)



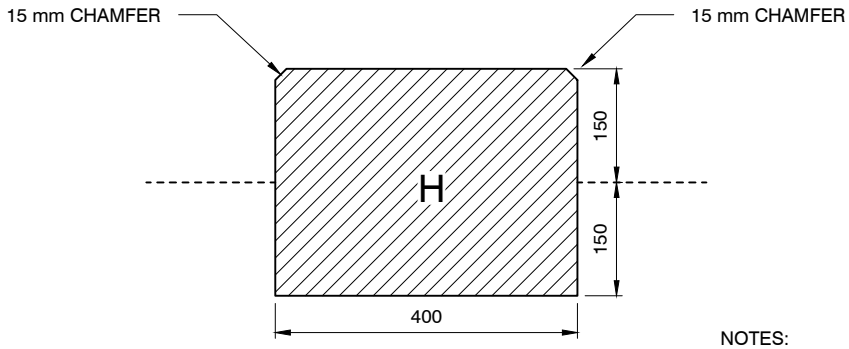
MEDIAN KERB END CHAMFER (MK2EC)



MEDIAN KERB DRIVEWAY CHAMFER (MK2DC)



SCALE 1:20

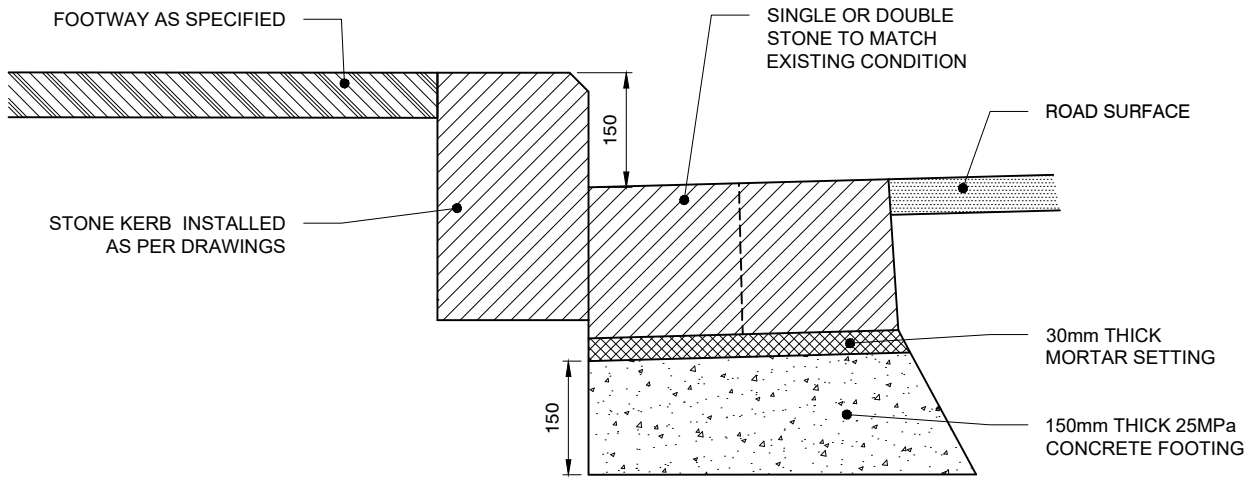


NOTES:

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	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



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

KERB & GUTTER

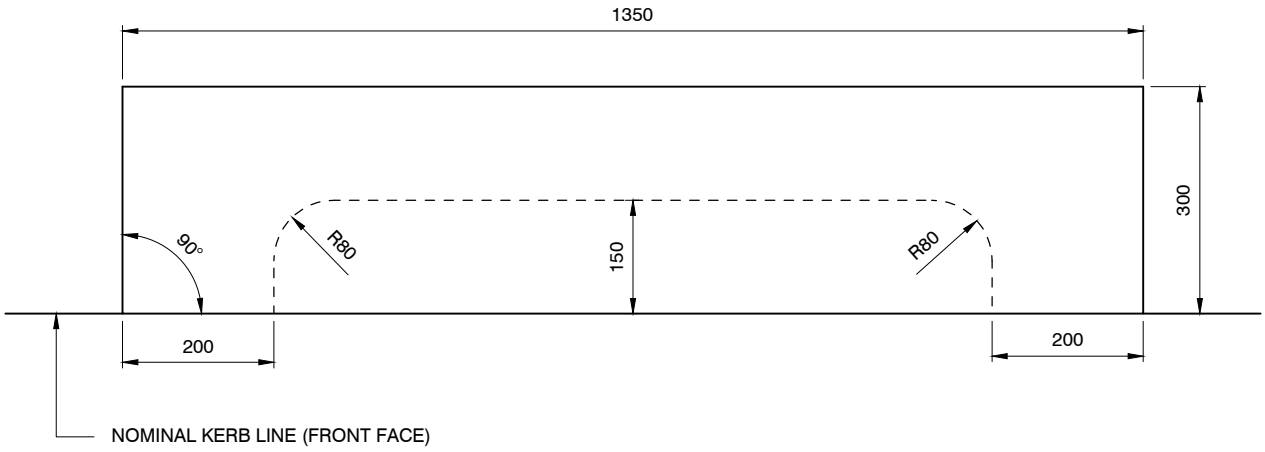
TYPICAL STONE GUTTER DETAIL

Rev	D
Date	*01.12.19*
Approved	P S

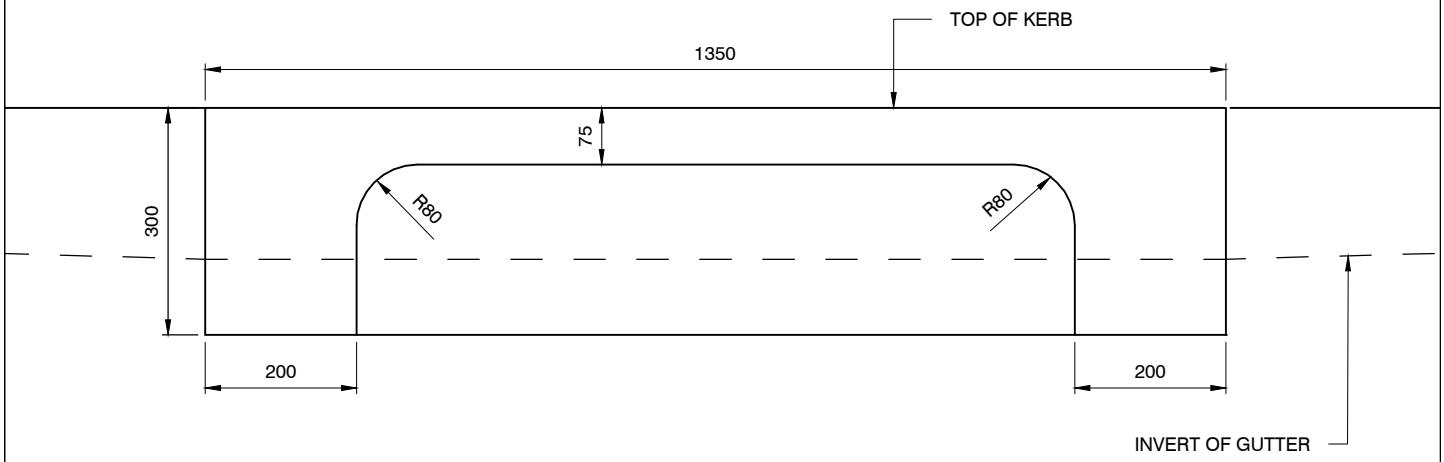
K&G

Dwg No.

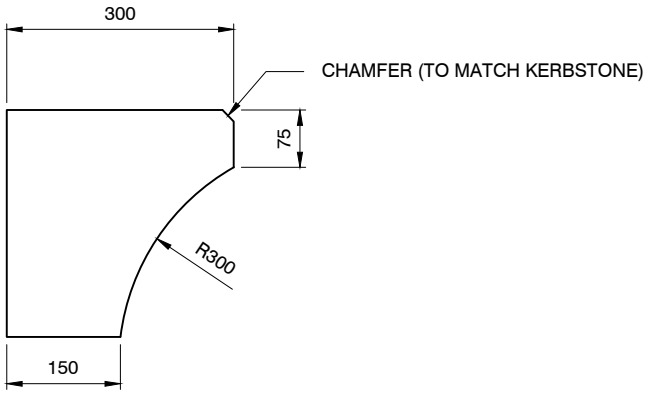
1.1.11



PLAN 1:10



ELEVATION 1:10



SECTION 1:10

NOTE:

1. LINTEL TO BE ONE COMPLETE STONE (IE. NO JOINTS).
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

KERB & GUTTER

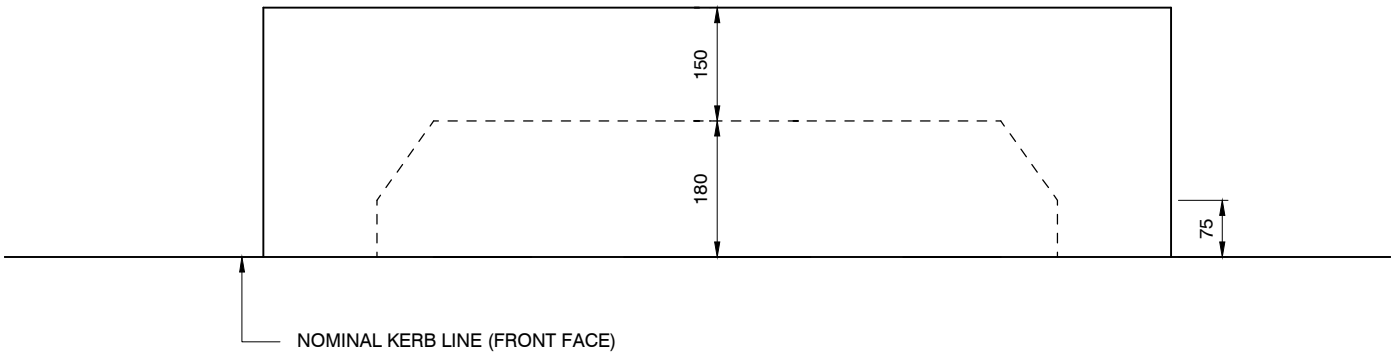
STONE LINTEL (SLK) - GRANITE AND BLUE STONE

Rev	D
Date	*01.12.19*
Approved	P S

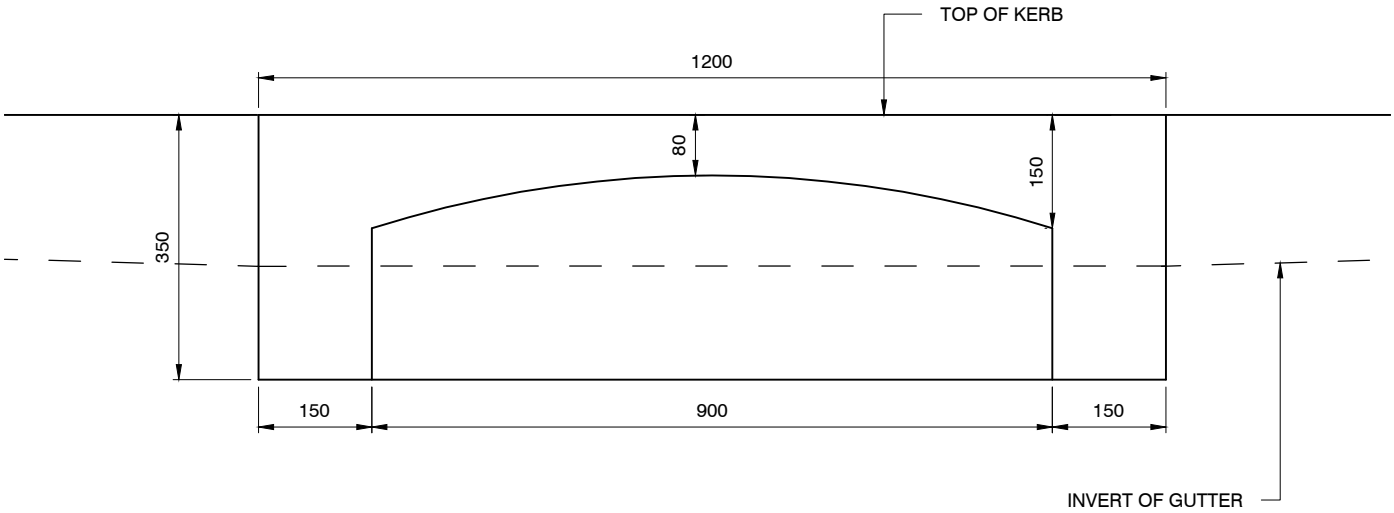
K&G

Dwg No.

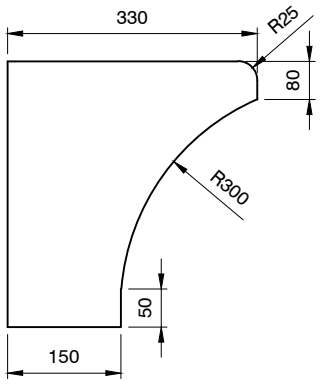
1.1.12



PLAN 1:10



ELEVATION 1:10



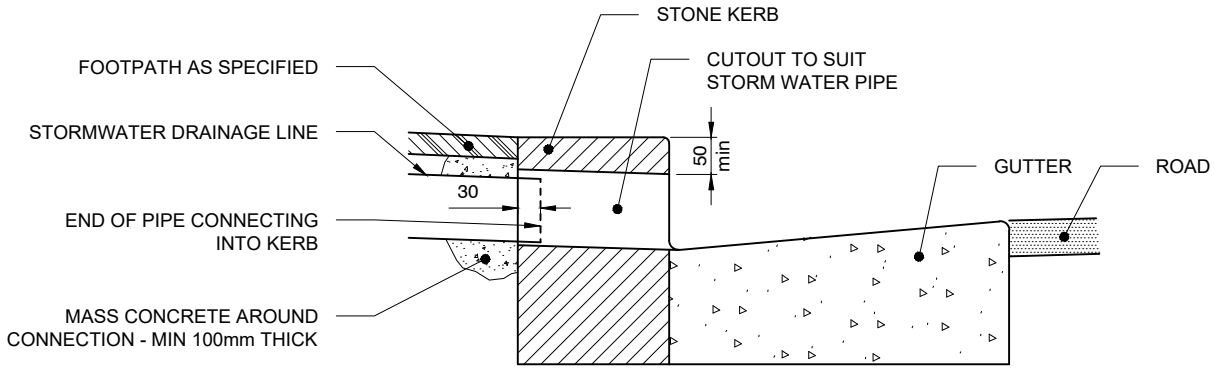
NOTES:

1. LINTEL TO BE ONE COMPLETE STONE (IE. NO JOINTS)
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

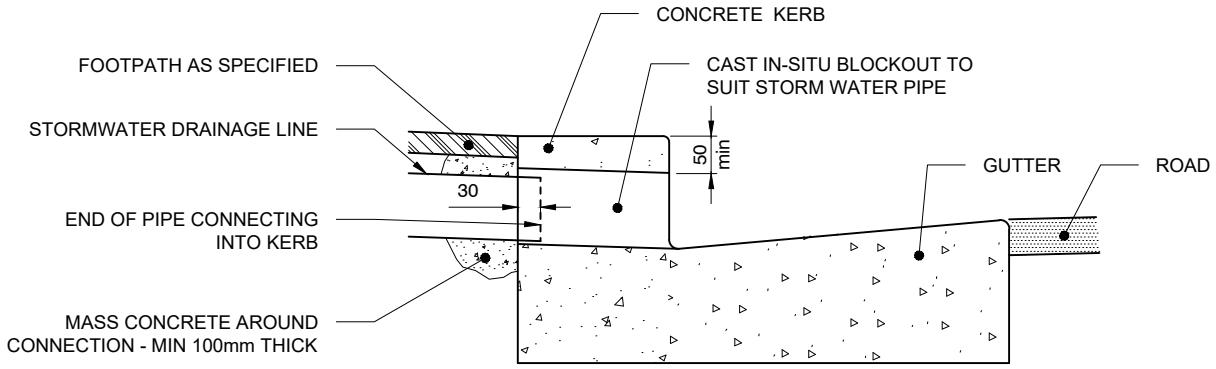
SECTION 1:10

CITY OF SYDNEY	KERB & GUTTER STONE LINTEL (SLK) - SANDSTONE	**Rev** D **Date** *01.12.19* **Approved** P S K&G Dwg No. 1.1.13

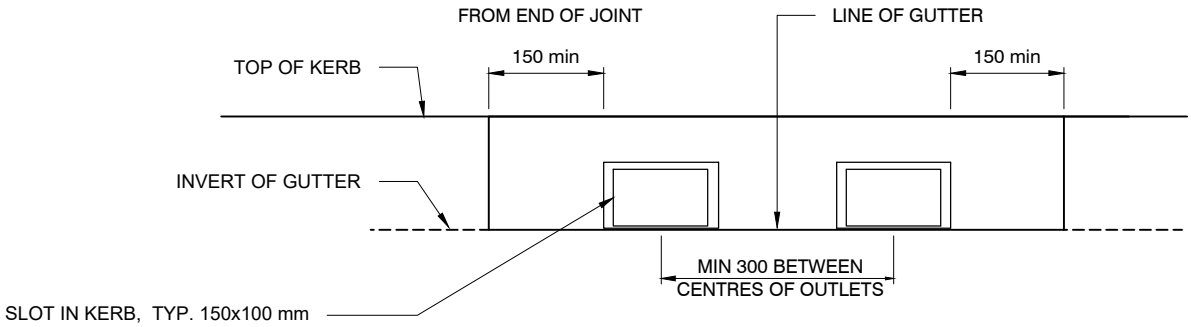
STONE KERB SECTION



CONCRETE KERB SECTION



ELEVATION



SLOT IN KERB, TYP. 150x100 mm
GALV. RHS - 5 mm THICK
(IN CASES WHERE FOOTPATH PAVERS
ARE THICKER THAN 40 MM, 150X50MM
GALV. RHS - 5 MM THICK MAY BE USED)

SCALE 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

KERB & GUTTER

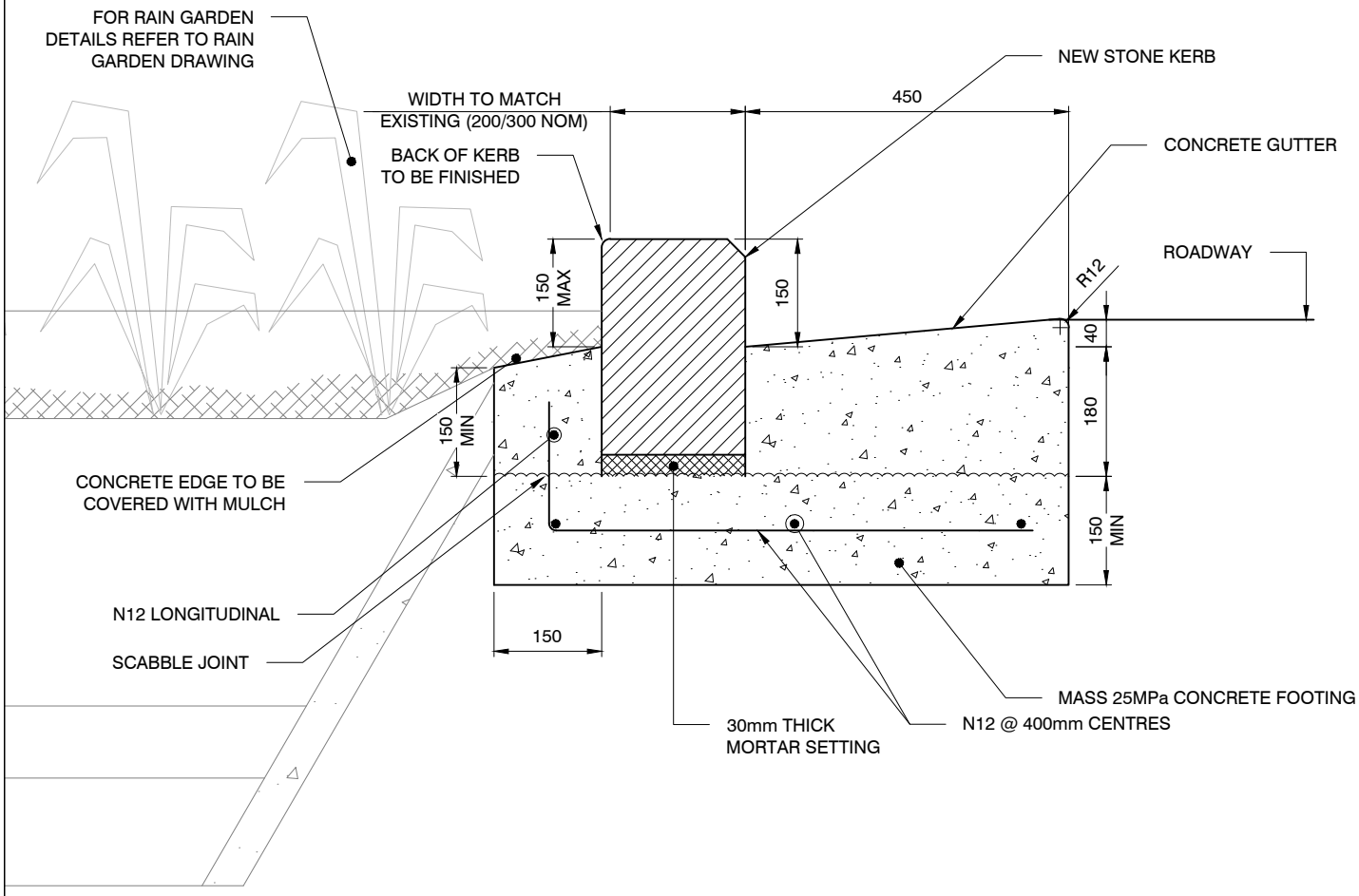
KERB STORMWATER OUTLETS

Rev	E
Date	*16.11.22*
Approved	S A

K&G

Dwg No.

1.1.14



NOTES:

1. DEEP EMBEDMENT KERB ONLY TO BE USED.
2. FOR ROAD RESTORATION ADJACENT TO KERB REFER TO STD DRG # 1.1.16
3. 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
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

SACLE 1:10

CITY OF SYDNEY

KERB & GUTTER

EDGE DETAIL - STONE KERB TO RAIN GARDEN

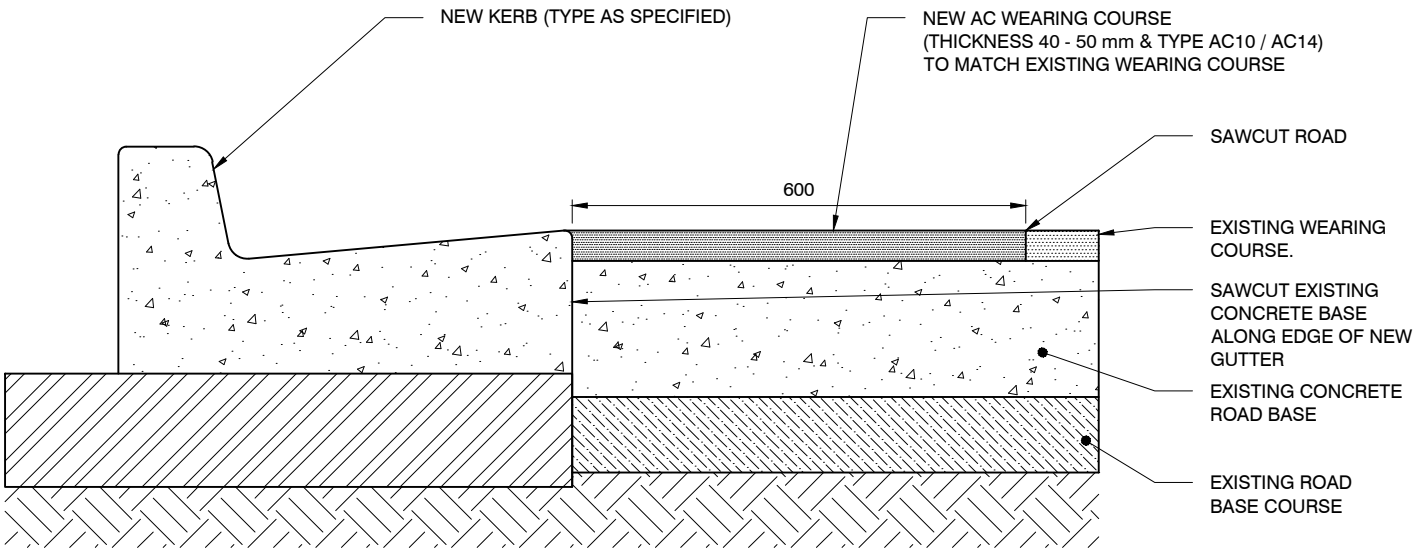
Rev	E
Date	*16.11.22*
Approved	S A

K&G

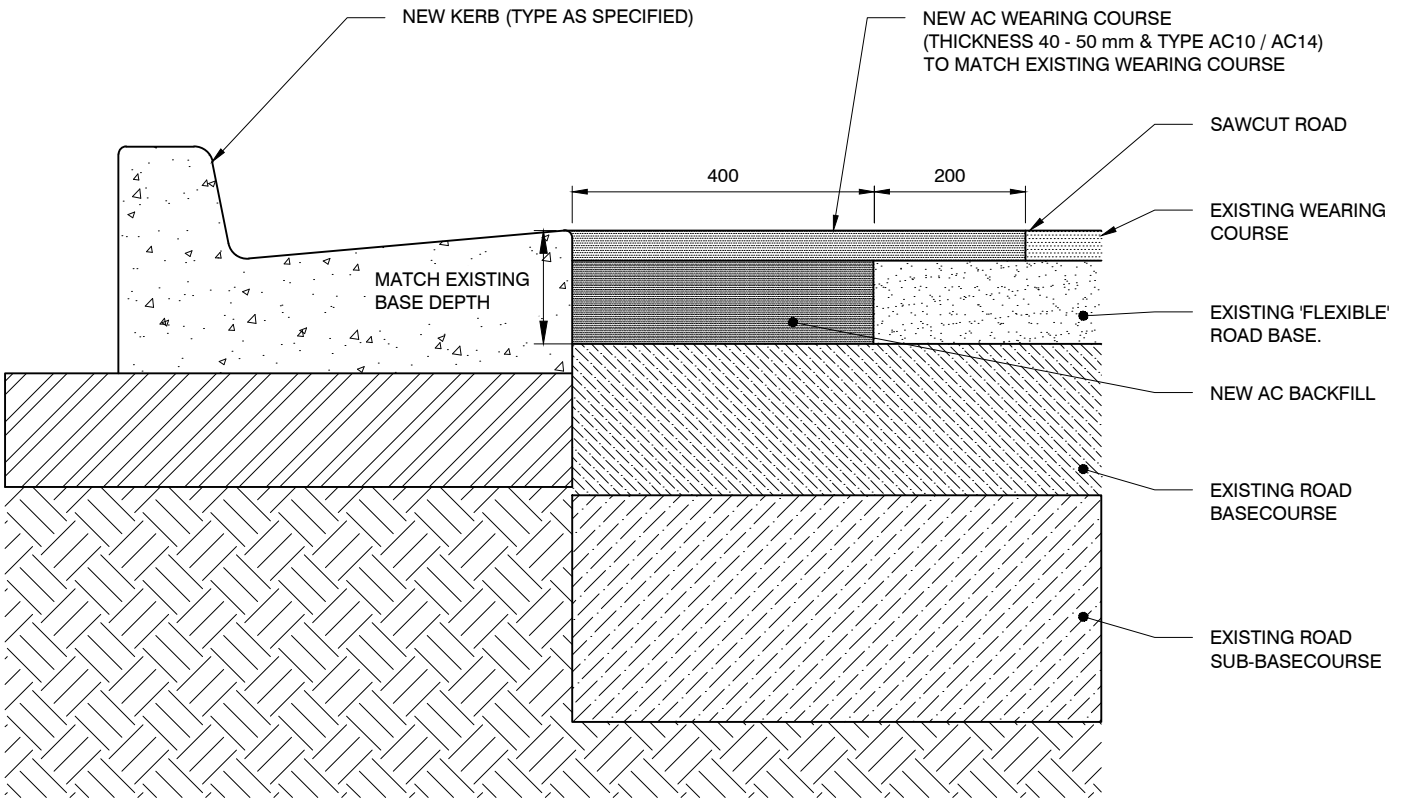
Dwg No.

1.1.15

RIGID PAVEMENT RESTORATION



FLEXIBLE PAVEMENT RESTORATION



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

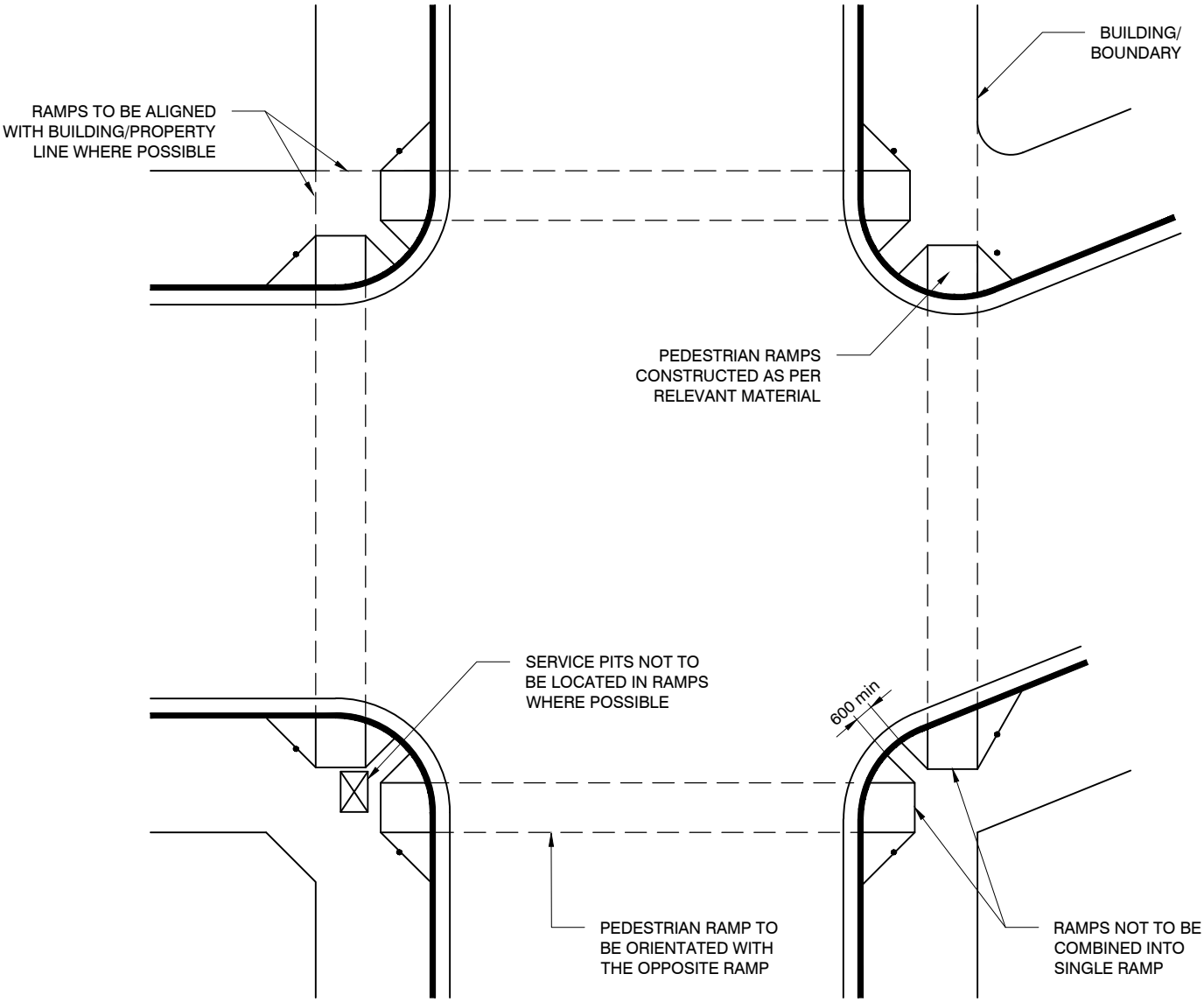
KERB & GUTTER

ROAD RESTORATION ADJACENT TO KERB/
GUTTER WORKS

K&G

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No.
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 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 TECHNICAL SERVICES.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

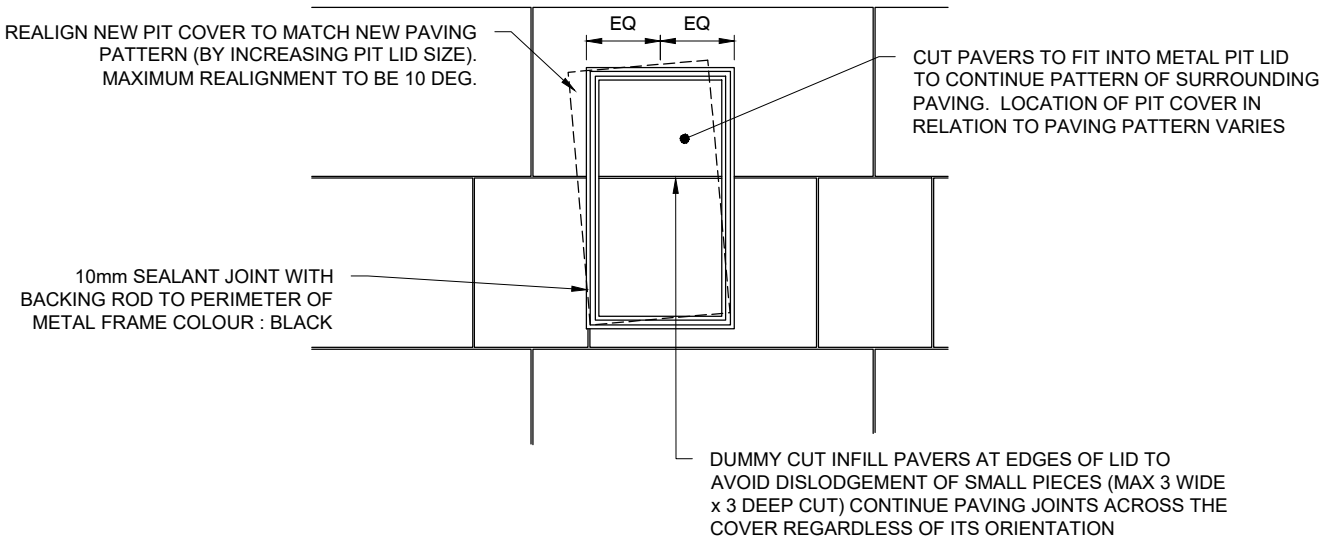
GENERAL FOOTPATH

PEDESTRIAN RAMPS IN RELATION TO INTERSECTIONS

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

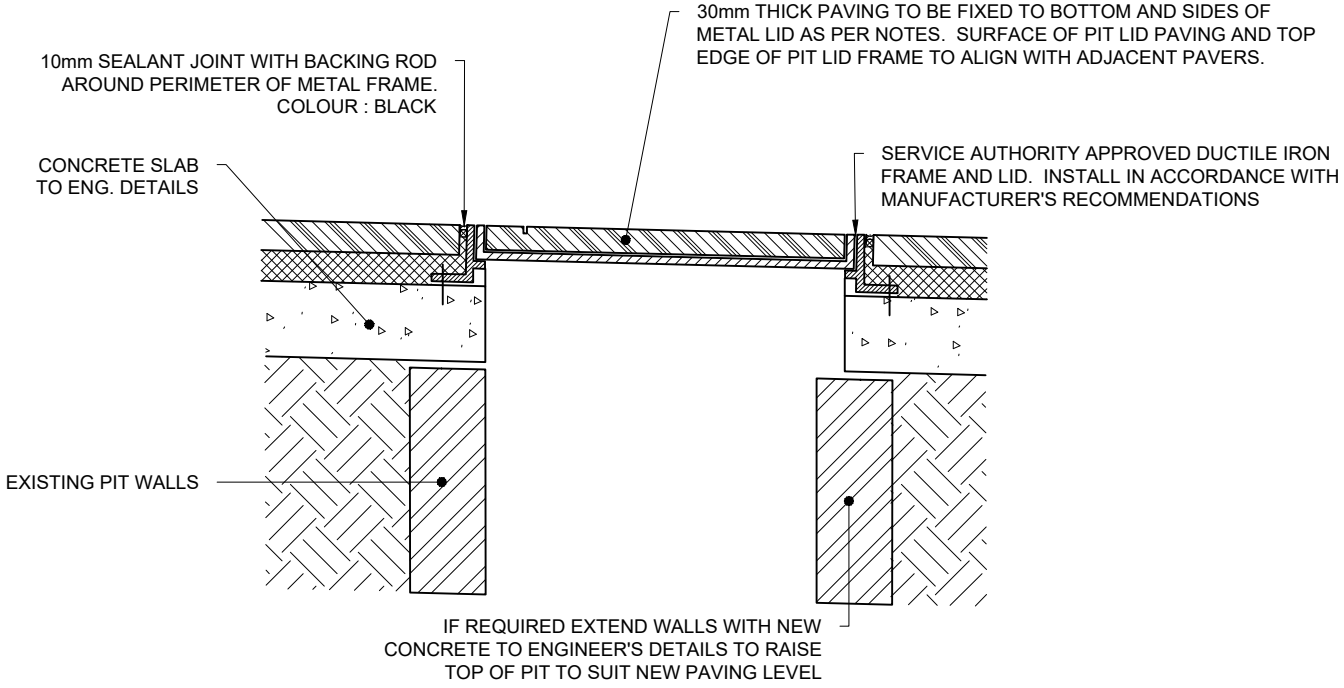
Dwg No. 2.1.1



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

CITY OF SYDNEY

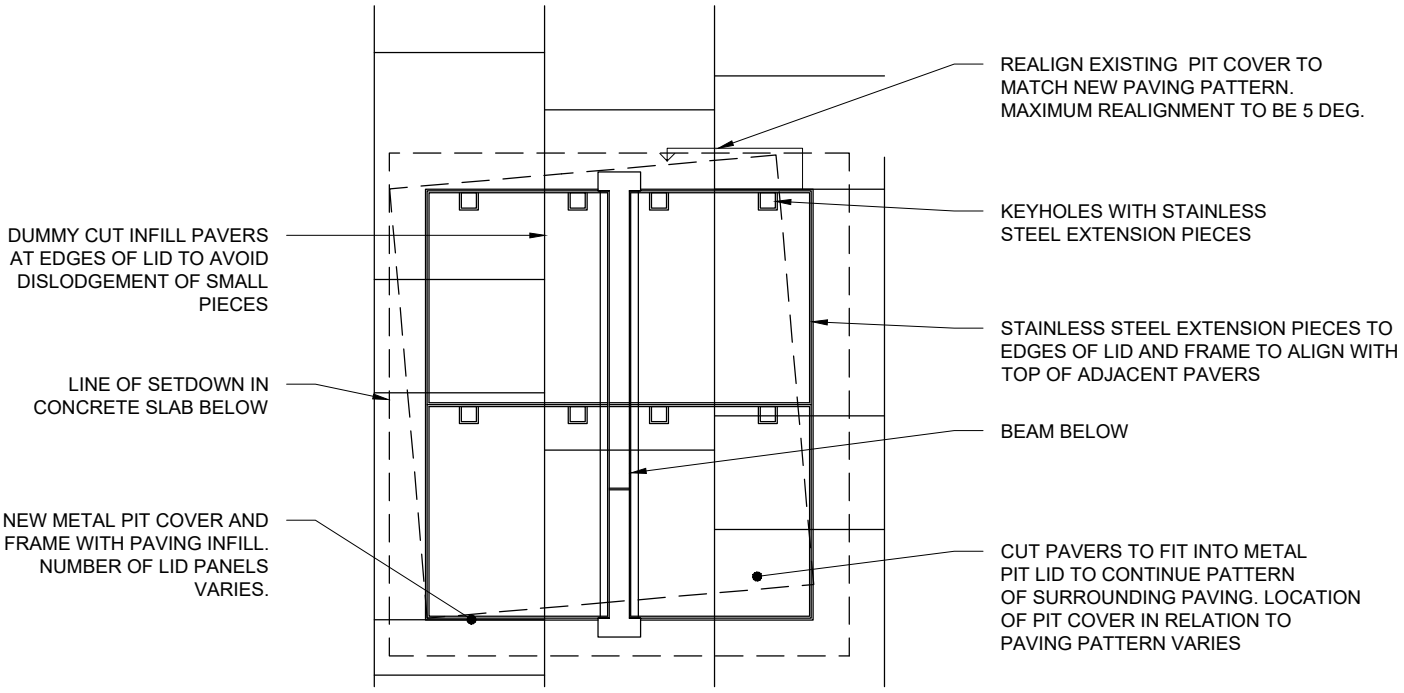
GENERAL FOOTPATH

TYPICAL ONE PART PIT COVER

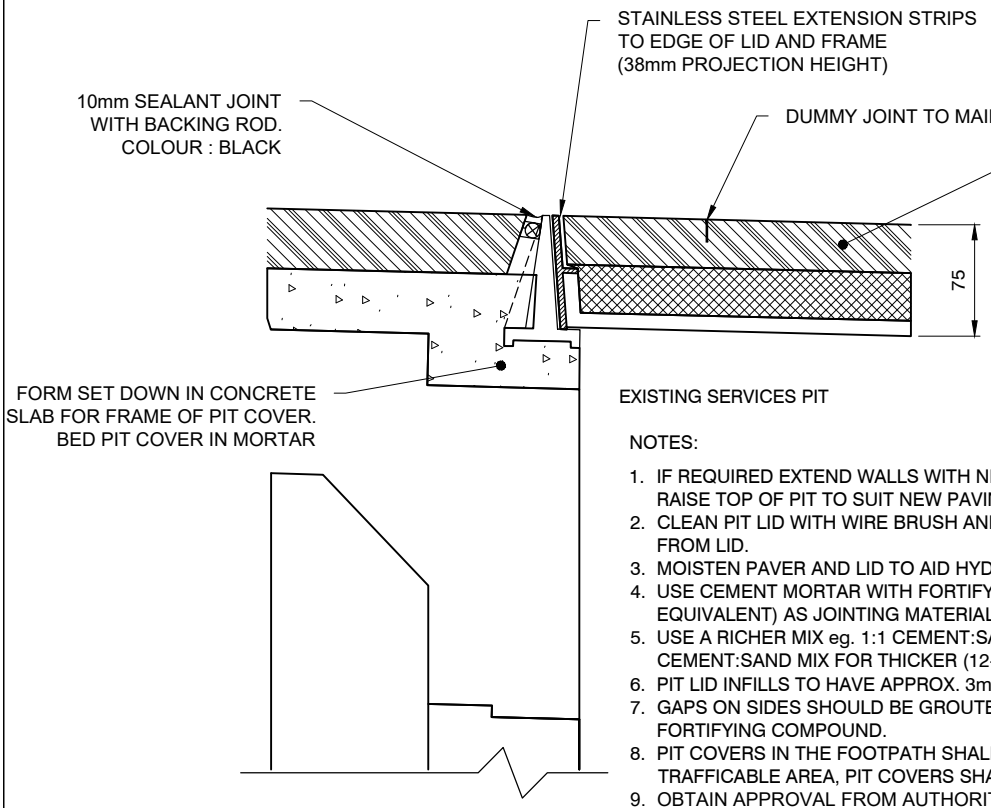
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.1.2



PLAN 1:20



SECTION 1:5

NOTES:

1. IF REQUIRED EXTEND WALLS WITH NEW CONCRETE TO ENGINEER'S DETAILS TO RAISE TOP OF PIT TO SUIT NEW PAVING LEVEL
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) JOINTS
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. PIT COVERS IN THE FOOTPATH SHALL COMPLY WITH CLASS 'C' LOADING AND FOR TRAFFICABLE AREA, PIT COVERS SHALL COMPLY WITH CLASS 'D' LOADING.
9. OBTAIN APPROVAL FROM AUTHORITY FOR COVER REALIGNMENT.
10. TO ENSURE THE SERVICE PIT IS STILL ACCESSIBLE AND FIT FOR USE THE RELEVANT AUTHORITY IS TO PROVIDE SIGN OFF / APPROVAL
11. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

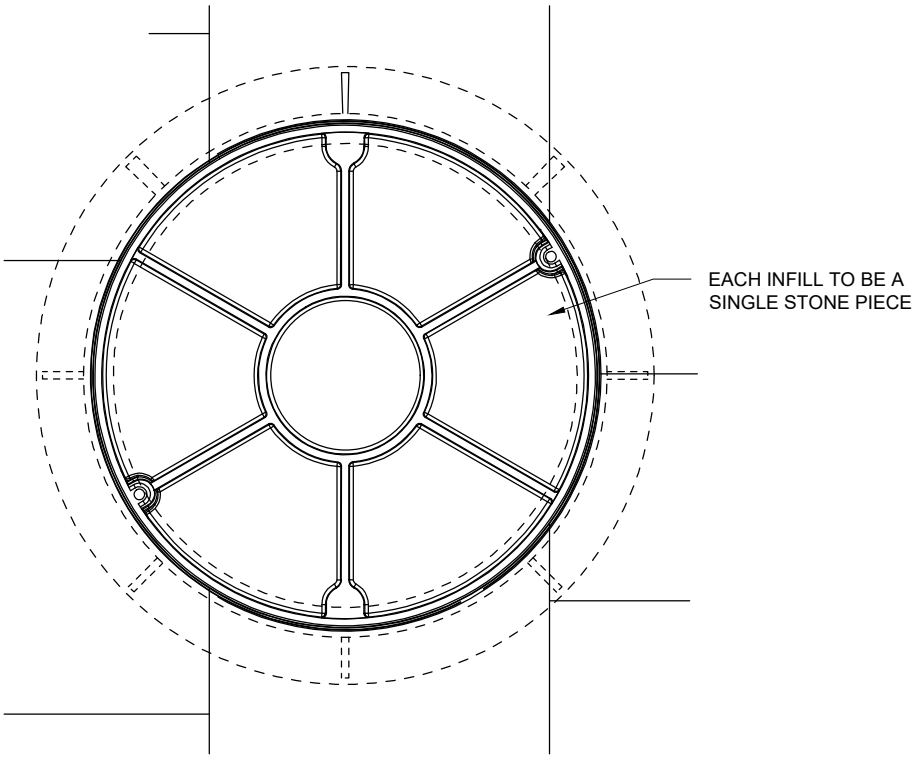
GENERAL FOOTPATH

TYPICAL MULTI PART PIT COVER

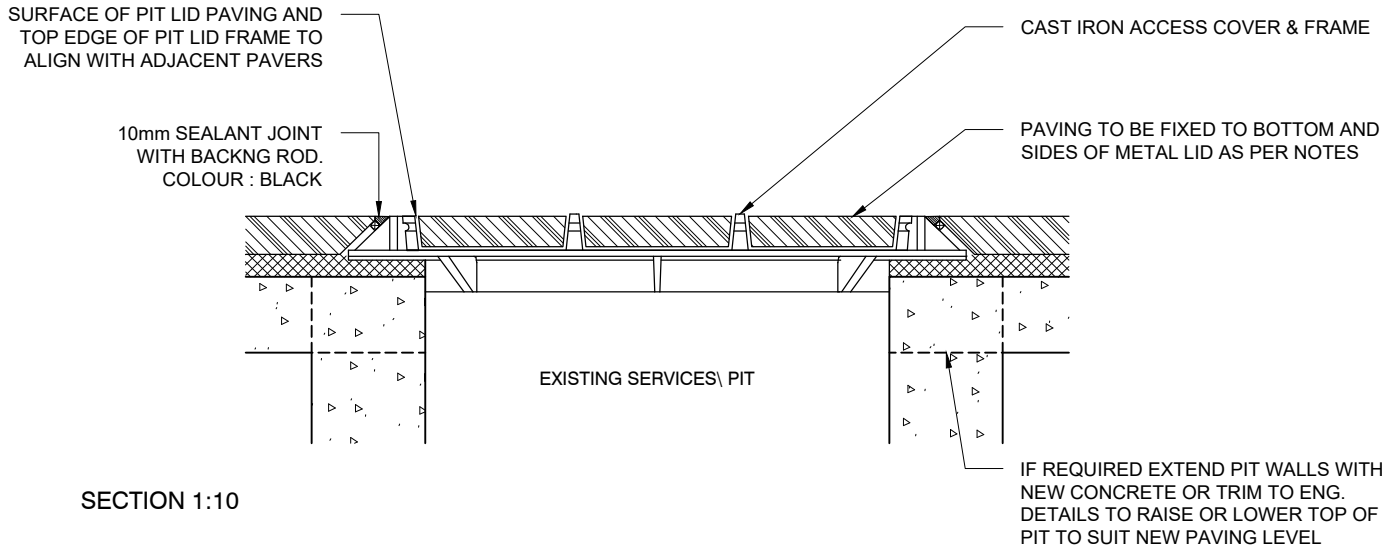
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.1.3



PLAN 1:10



SECTION 1:10

NOTES:

1. CLEAN PIT LID WITH BRUSH AND THEN SOFT BRUSH TO CLEAR RUST FROM LID
2. MOISTEN PAVER AND LID TO AID HYDRATION OF MORTAR MIX
3. 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.
7. 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.

CITY OF SYDNEY

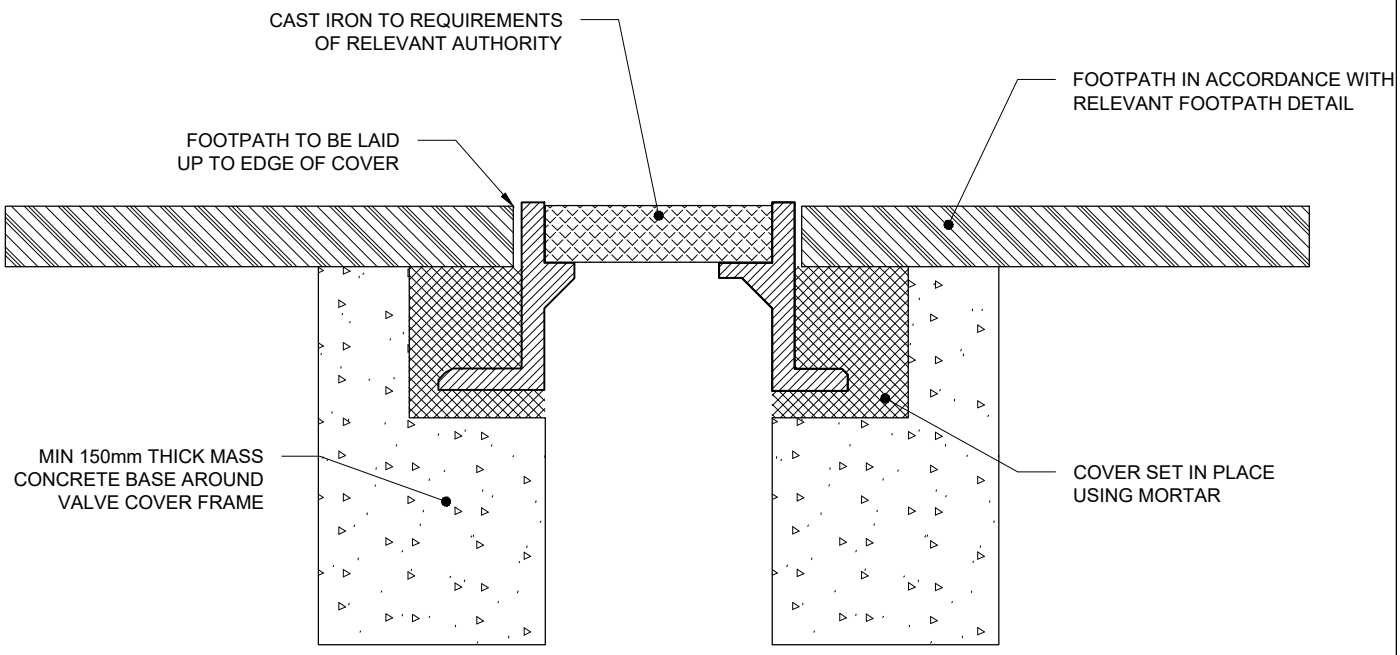
GENERAL FOOTPATH

SEWER & STORMWATER PIT INFILL COVER

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.1.4



NOTE:

1. TO ENSURE THE SERVICE VALVE IS STILL ACCESSIBLE, THE RELEVANT AUTHORITY IS TO PROVIDE SIGN OFF / APPROVAL
2. 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.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:5

CITY OF SYDNEY

GENERAL FOOTPATH

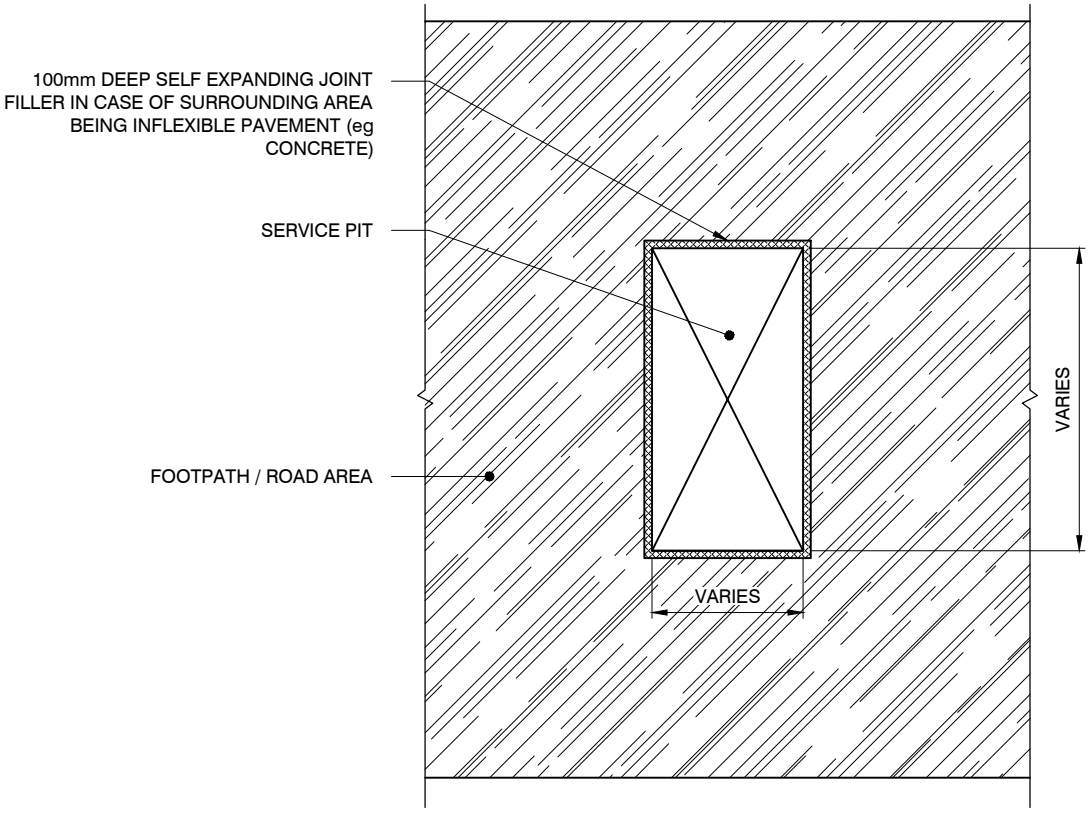
SERVICE VALVE COVER DETAIL

FOOTWAYS

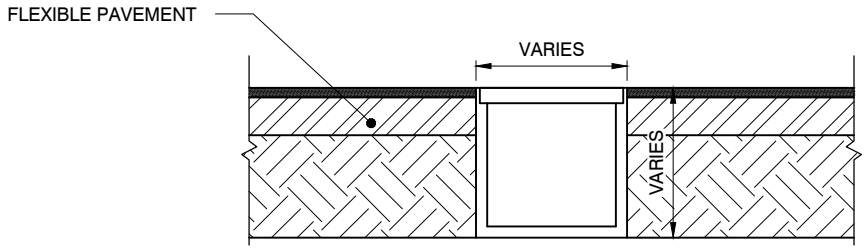
Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.1.5

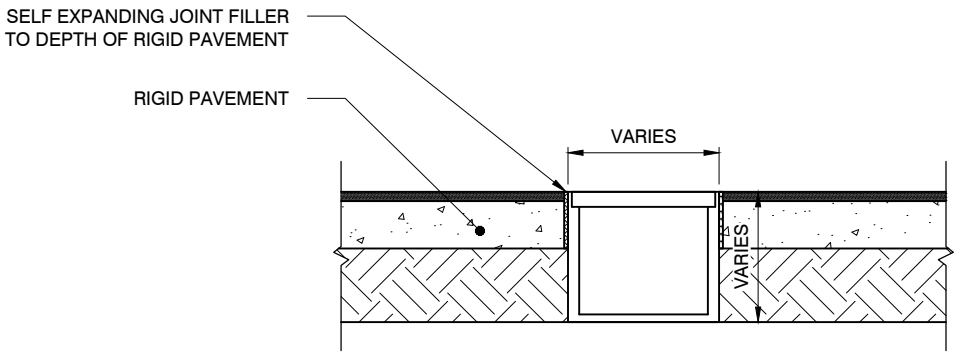
TYPICAL PLAN



FLEXIBLE PAVEMENT ELEVATION



RIGID PAVEMENT ELEVATION



SCALE 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

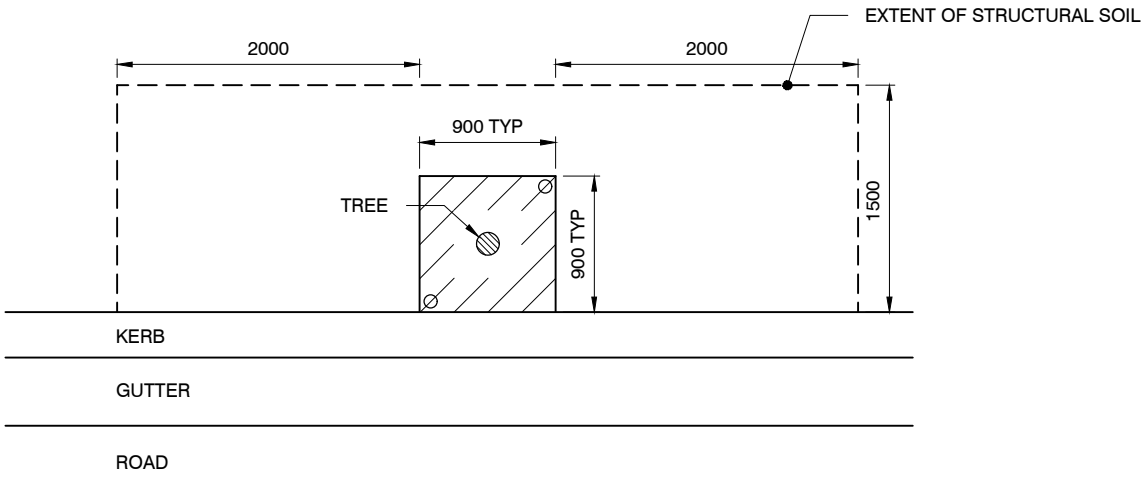
GENERAL FOOTPATH

SERVICE PIT EDGE DETAIL

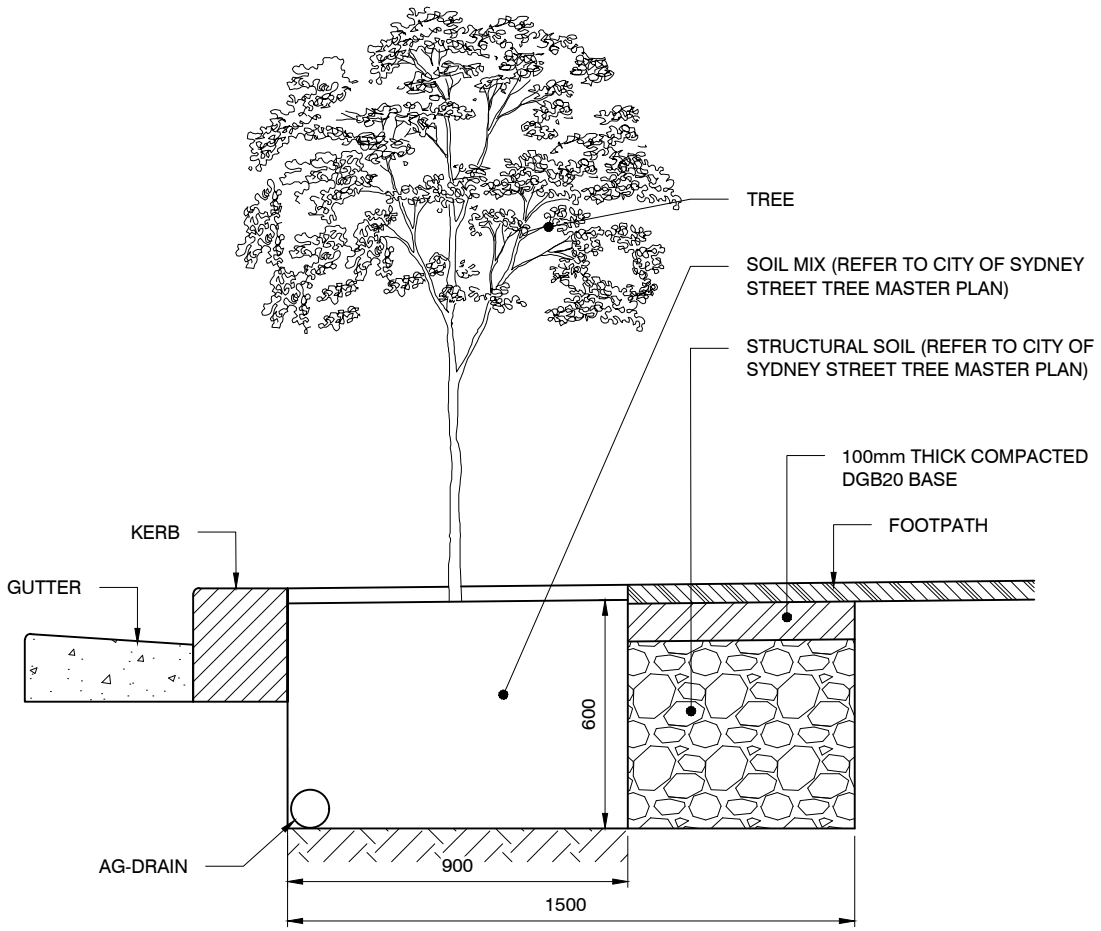
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.1.6



PLAN 1:50



SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

GENERAL FOOTPATH

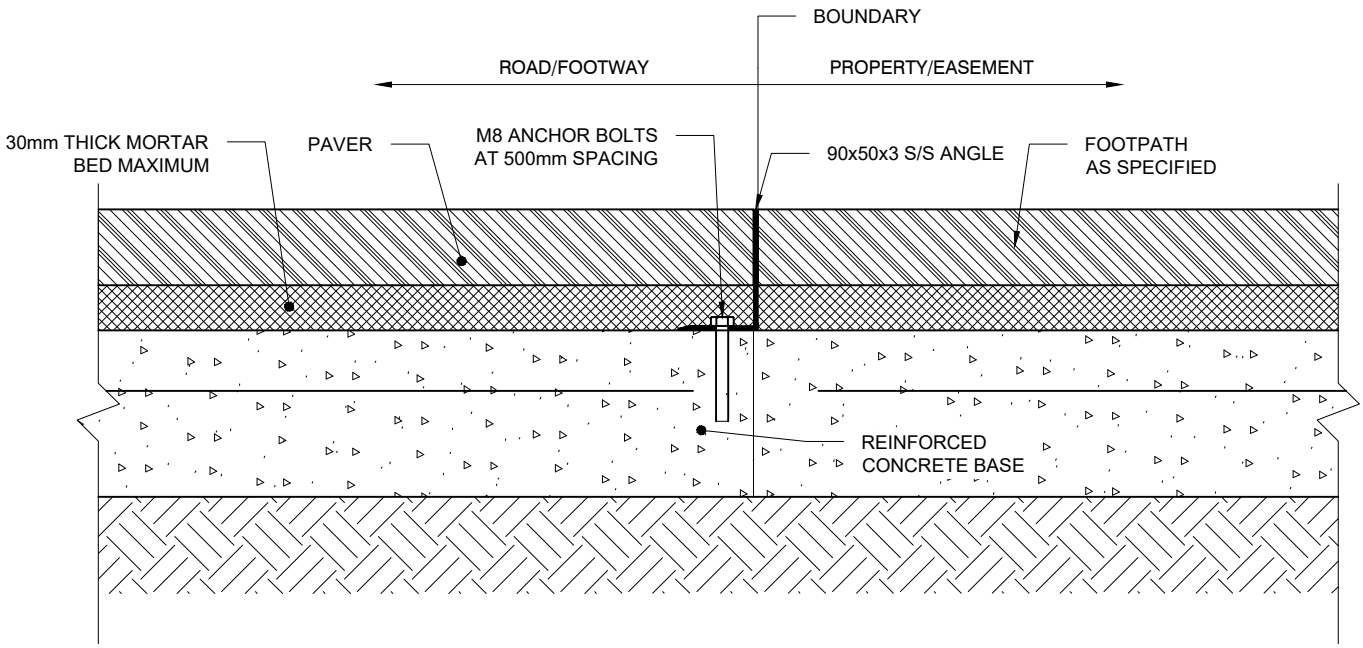
STRUCTURAL SOIL

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.1.7

JUNCTION ALONG PROPERTY BOUNDARY



SECTION 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

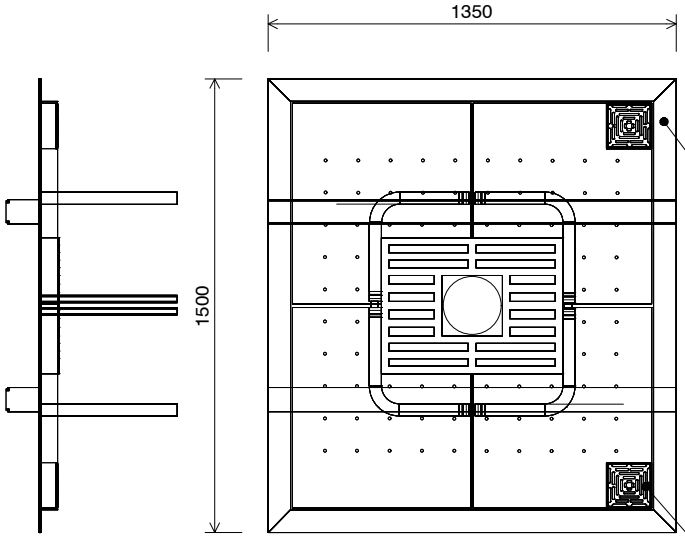
CITY OF SYDNEY

GENERAL FOOTPATH
PROPERTY OWNERSHIP INTERFACE LOCATION

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.1.8

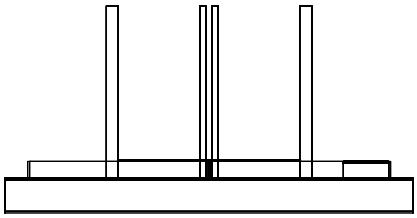


CLASS D IRON TREE GRATE SIMILAR TO CITYGREEN 'CASTLE'. SIZE AND DEPTH TO BE COORDINATED WITH PAVING LAYOUT.
INNER RINGS TO BE REMOVANLE TO ACCOMMODATE TREE GROWTH.

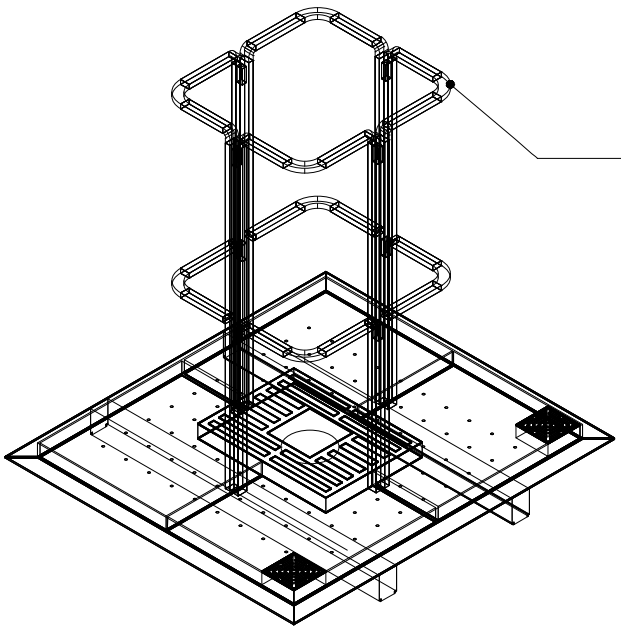
150MM SQ. GRATE EQUAL TO 'SPS SQUARE FLO SERIES' WITH HINGED LID (2NO.) OVER WATERING PIPE

ELEVATION - SIDE
1:25

PLAN
1:25



ELEVATION - FRONT
1:25



REMOVABLE STAINLESS STEEL TREE GUARD TO BE COORDINATED WITH GRATE

AXONOMETRIC

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

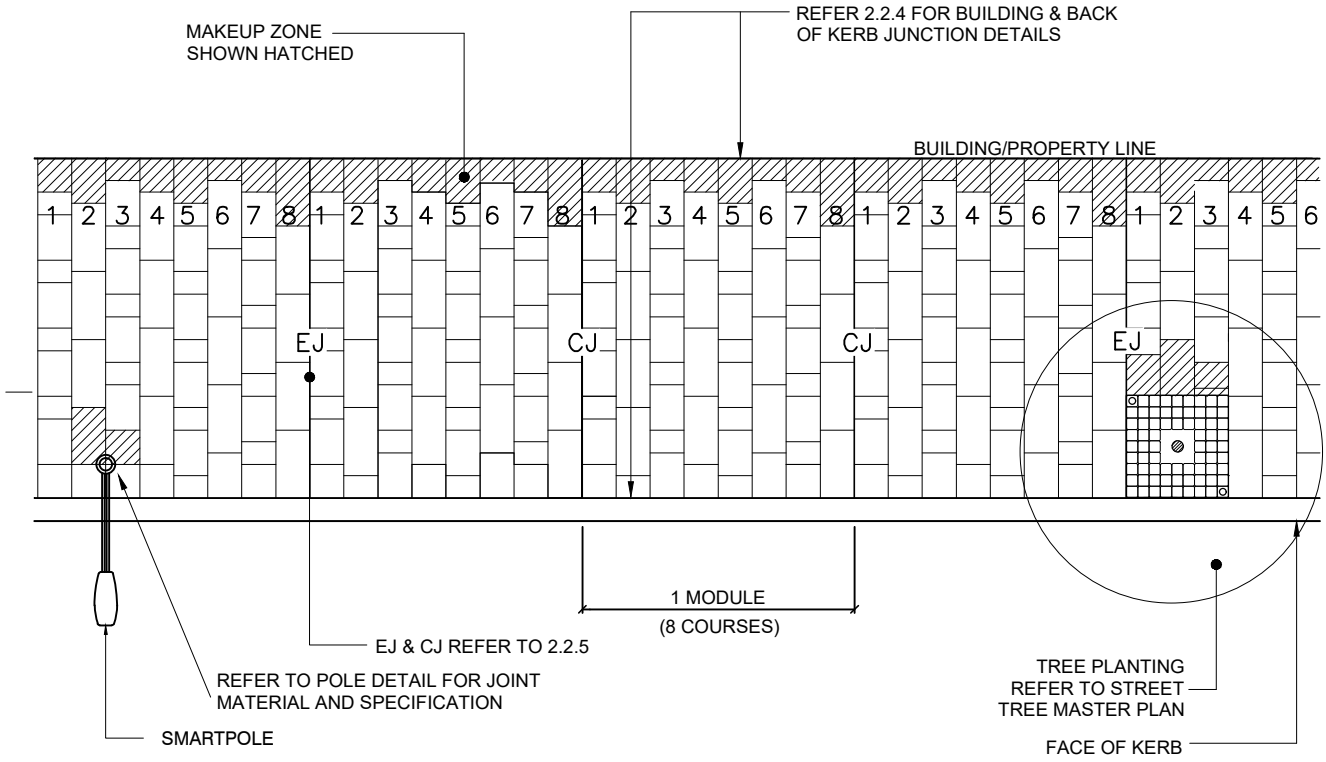
CITY OF SYDNEY

GENERAL FOOTPATH
TREE GRATE AND GUARD
(GEORGE STREET PEDESTRIANISED AREA)

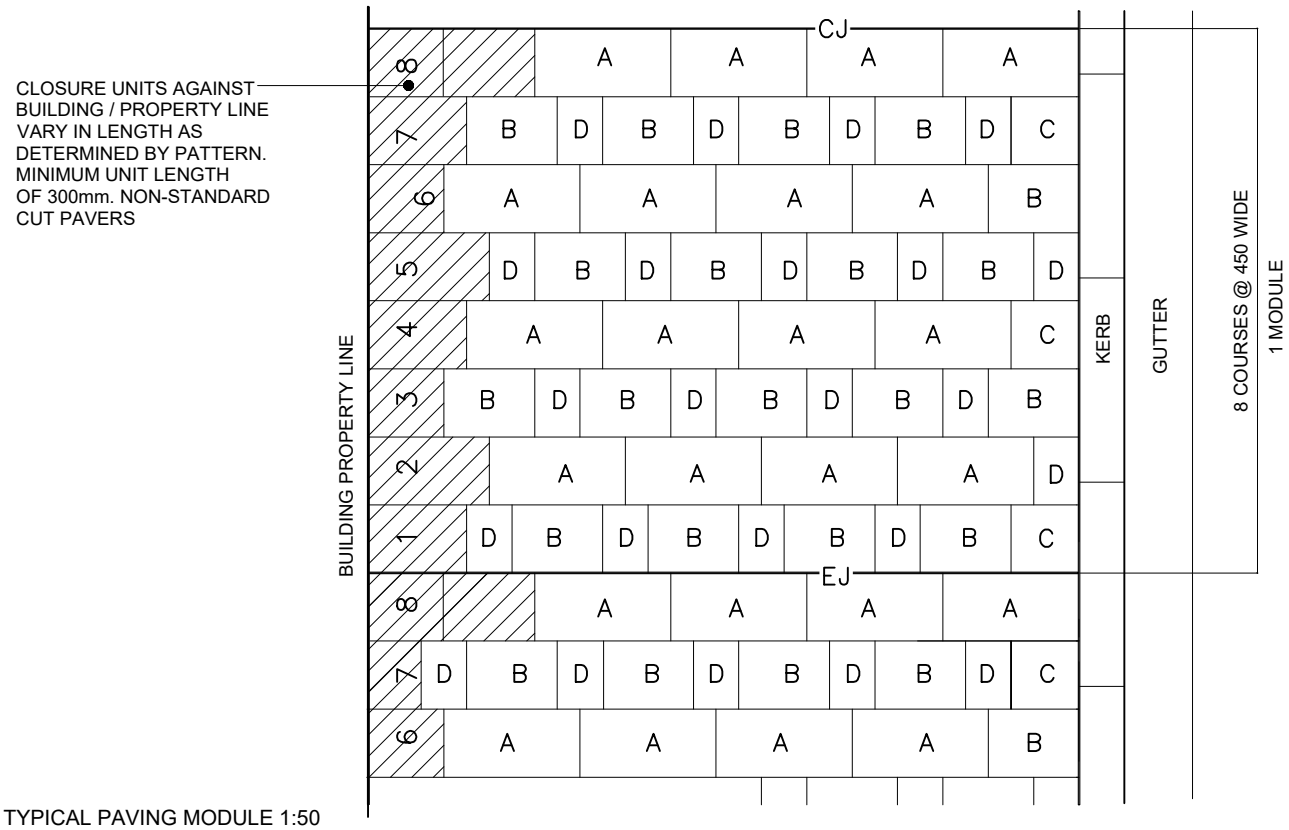
FOOTWAYS

Rev	D
Date	01.12.19
Approved	P.S.

Dwg No. 2.1.9



PLAN 1:100



TYPICAL PAVING MODULE 1:50

NOTES:

1. MAINTAIN PAVER BAND WIDTH OF 450 mm EXCEPT WHERE REQUIRED TO ADJUST PAVERS TO SUIT SITE CONDITIONS, THEN MIN 400 mm BAND WIDTH OVER MIN 5 COURSES IS ACCEPTABLE.
2. 1-3 mm GAP REQUIRED BETWEEN PAVERS.
3. 60 mm THICK PAVERS WILL BE REQUIRED IN DISTINCTIVE PLACES AS SPECIFIED (REFER TO FOOTWAYS SPECIFICATION FOR FURTHER DETAILS)
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

STONE SIZES:
TYPE A 900x450x50
TYPE B 600x450x50
TYPE C 450x450x50
TYPE D 300x450x50

CJ CONTRACTION JOINT
EJ EXPANSION JOINT

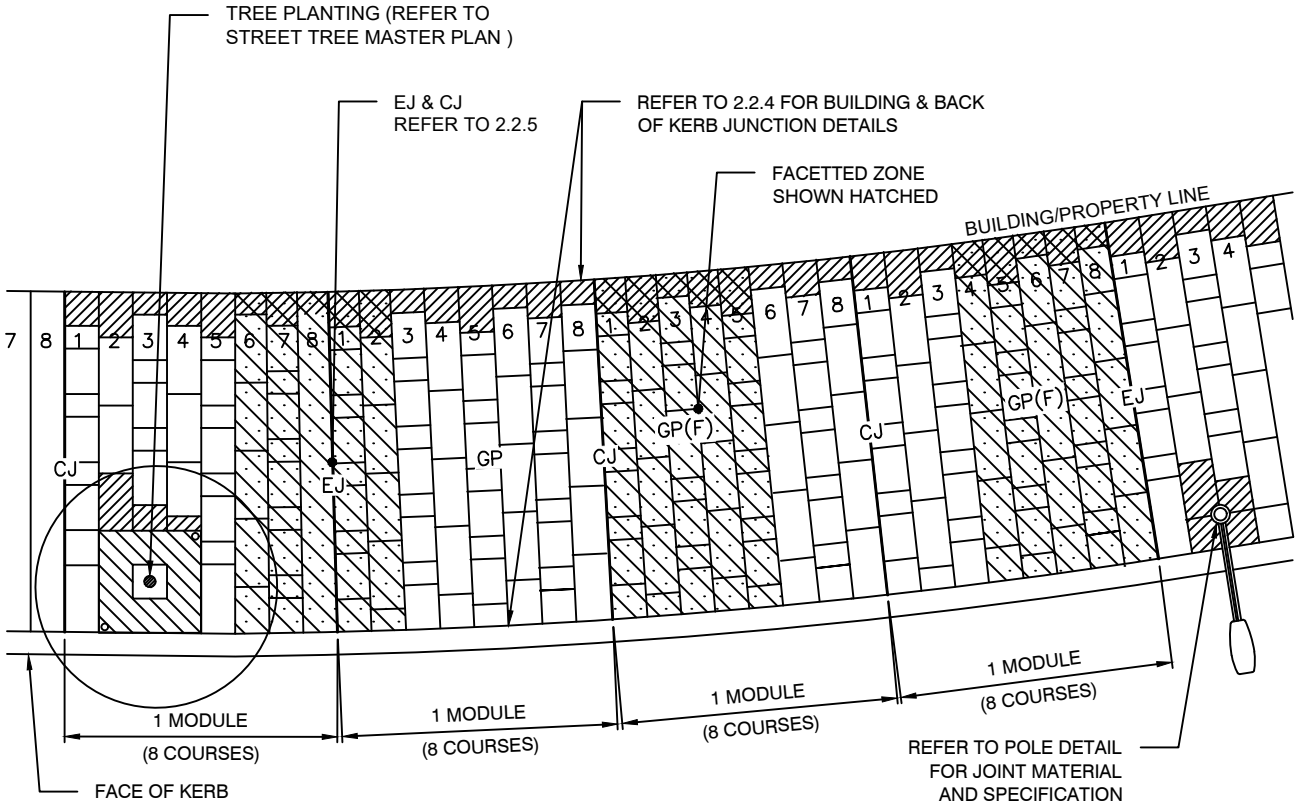
CITY OF SYDNEY

GRANITE PAVING
GENERAL ARRANGEMENT PLAN

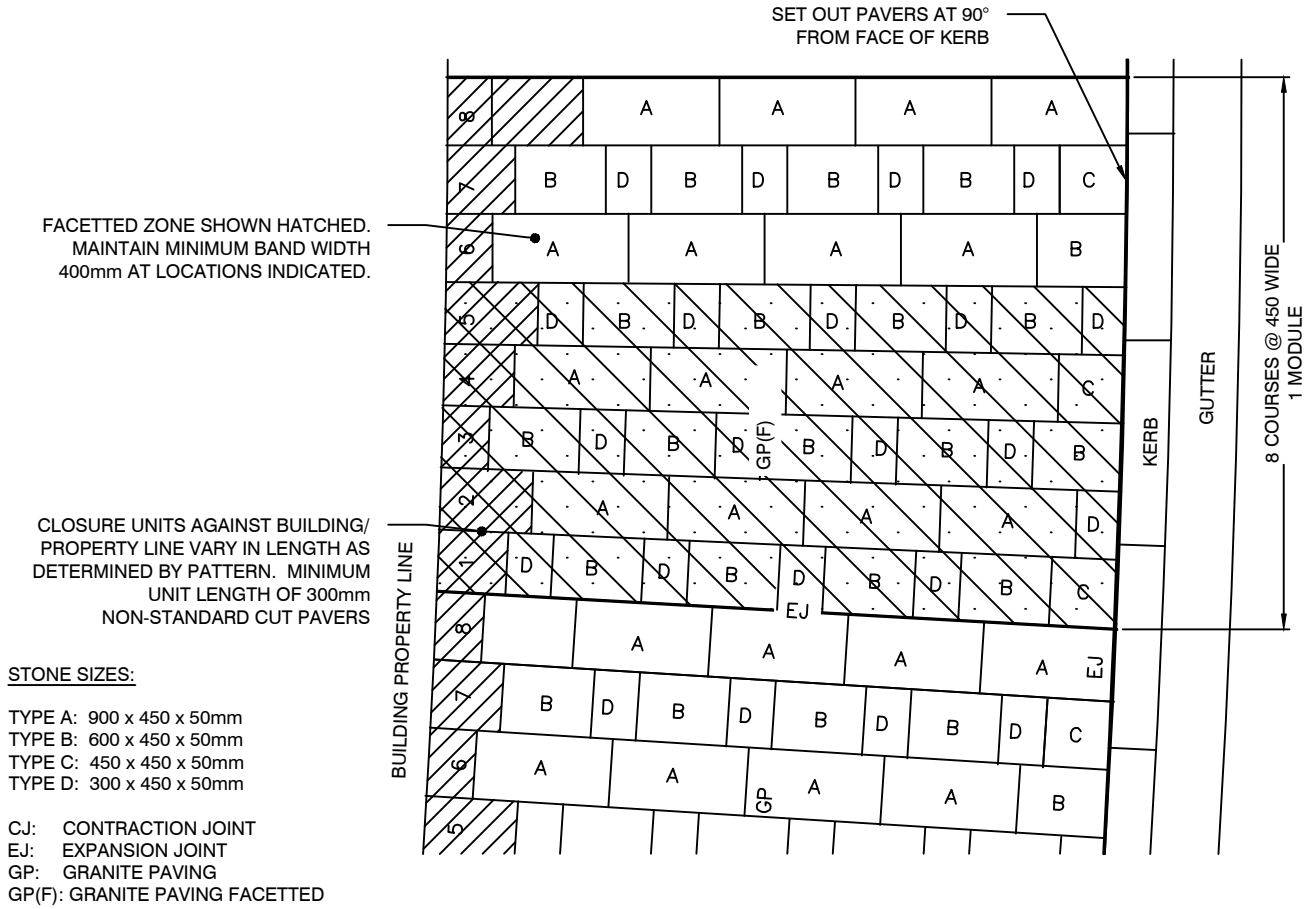
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.1



PLAN 1:100



STONE SIZES:

TYPE A: 900 x 450 x 50mm
TYPE B: 600 x 450 x 50mm
TYPE C: 450 x 450 x 50mm
TYPE D: 300 x 450 x 50mm

CJ: CONTRACTION JOINT
EJ: EXPANSION JOINT
GP: 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

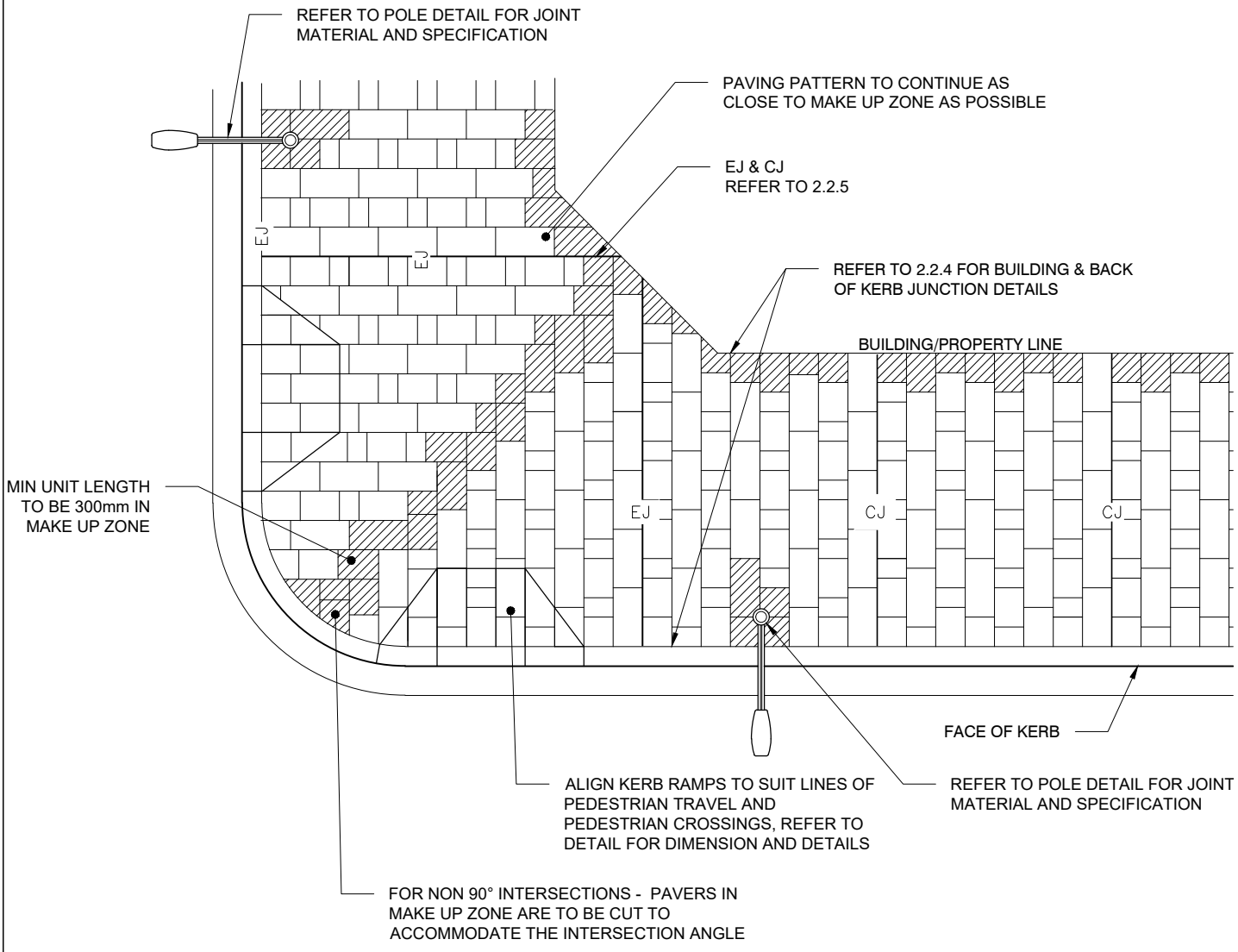
GRANITE PAVING

GENERAL ARRANGEMENT PLAN (FACETTED)

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.2



PLAN 1:100

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

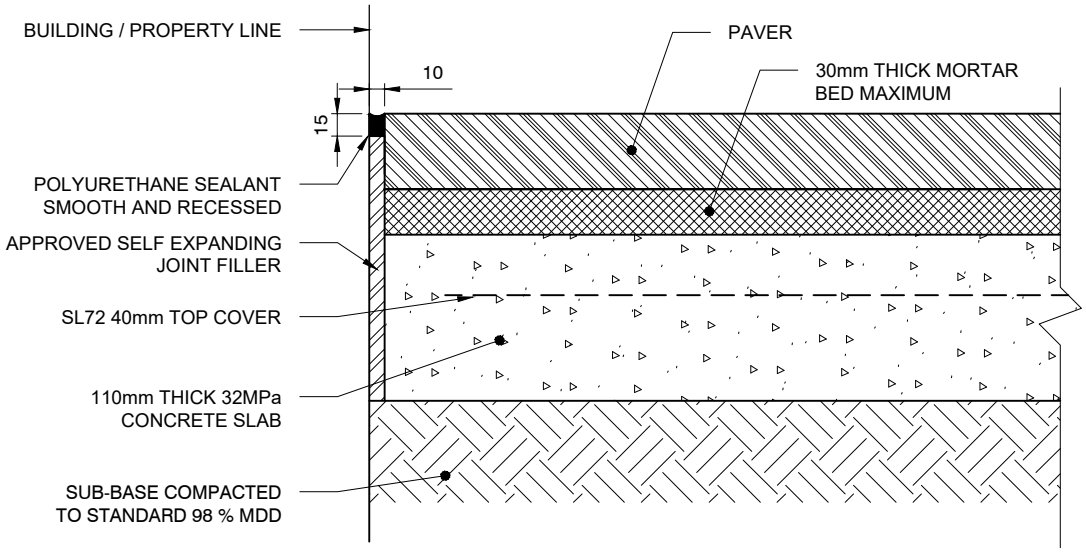
GRANITE PAVING

CORNER ARRANGEMENT PLAN (TYPICAL)

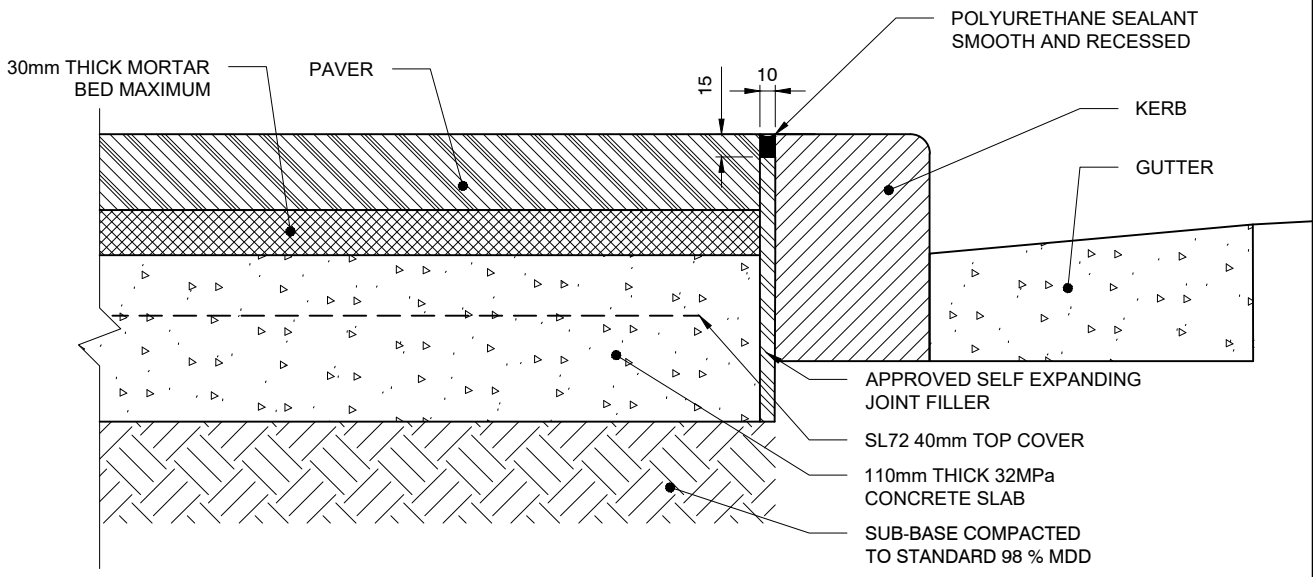
FOOTWAYS

Rev	D	Dwg No.
Date	*01.12.19*	2.2.3
Approved	P S	

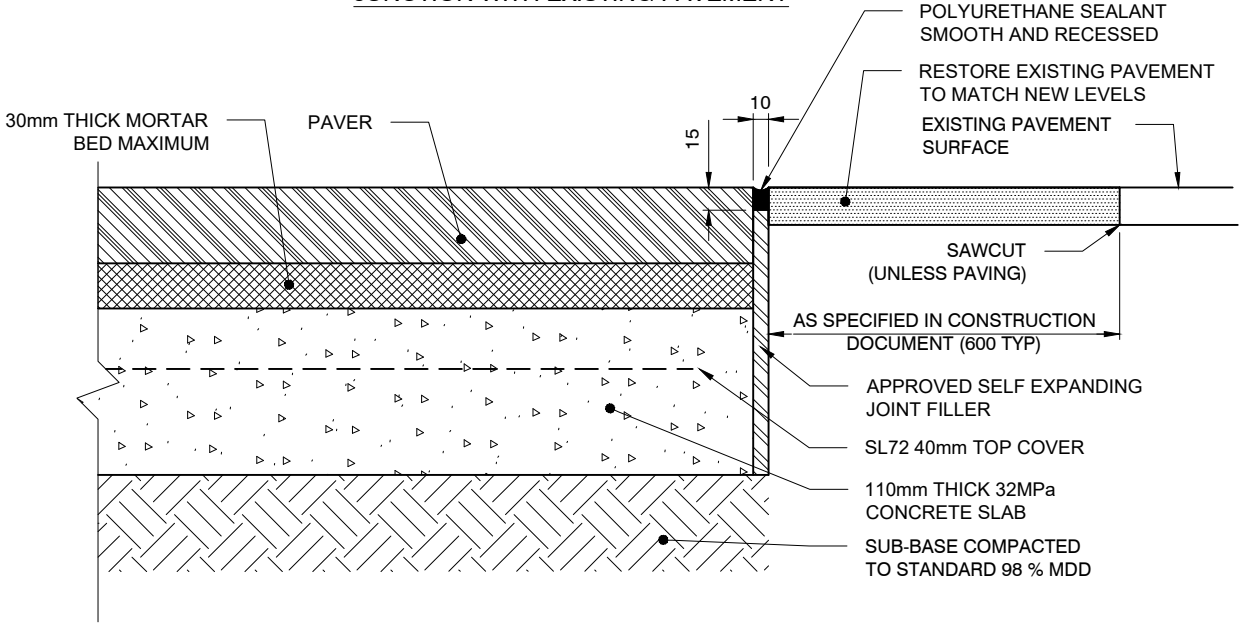
JUNCTION WITH BUILDING



JUNCTION WITH BACK OF KERB



JUNCTION WITH EXISTING PAVEMENT



SECTION 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

GRANITE PAVING

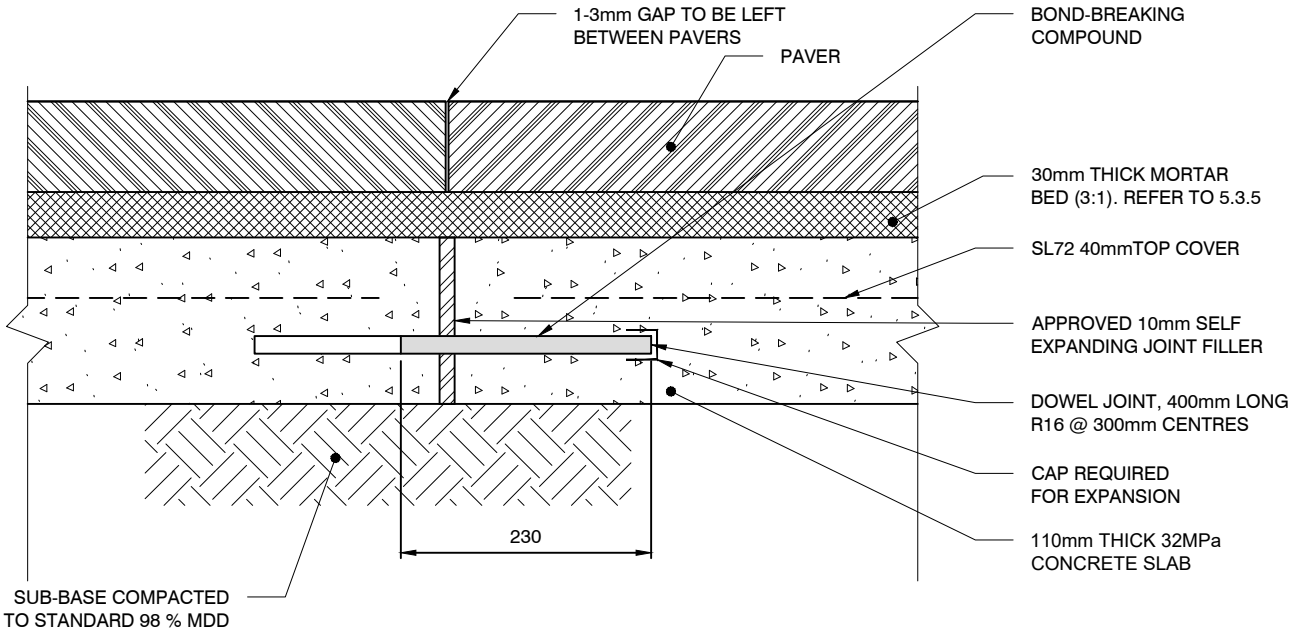
JUNCTIONS

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

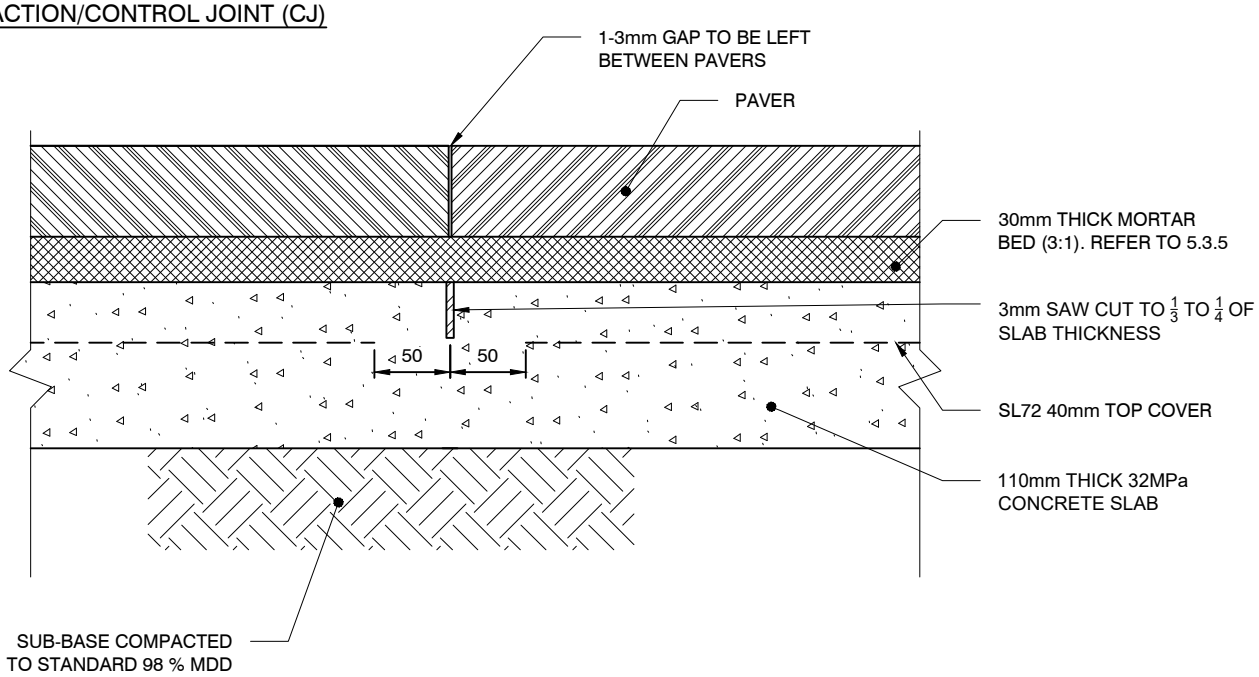
Dwg No. 2.2.4

EXPANSION JOINT (EJ)



NOTE: BOND-BREAKING COMPONENT AND END CAP MAY BE REPLACED WITH A PURPOSE-MADE DOWEL SLEEVE.

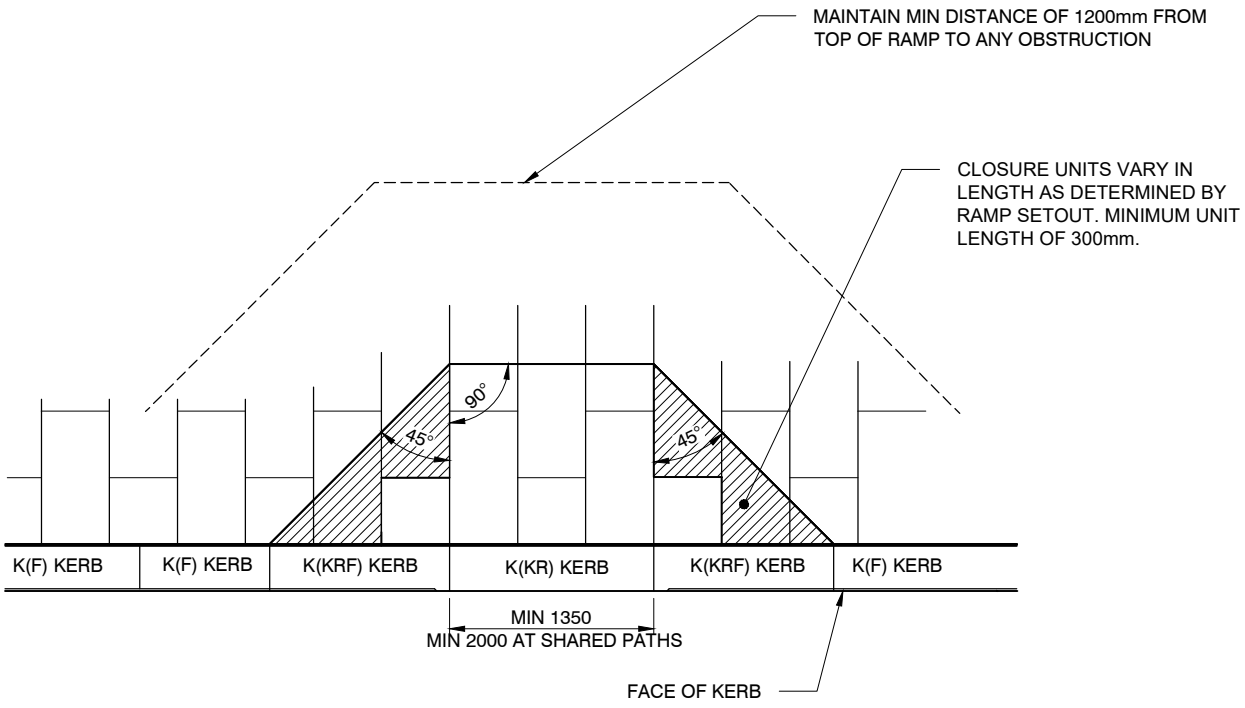
CONTRACTION/CONTROL JOINT (CJ)



SCALE 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

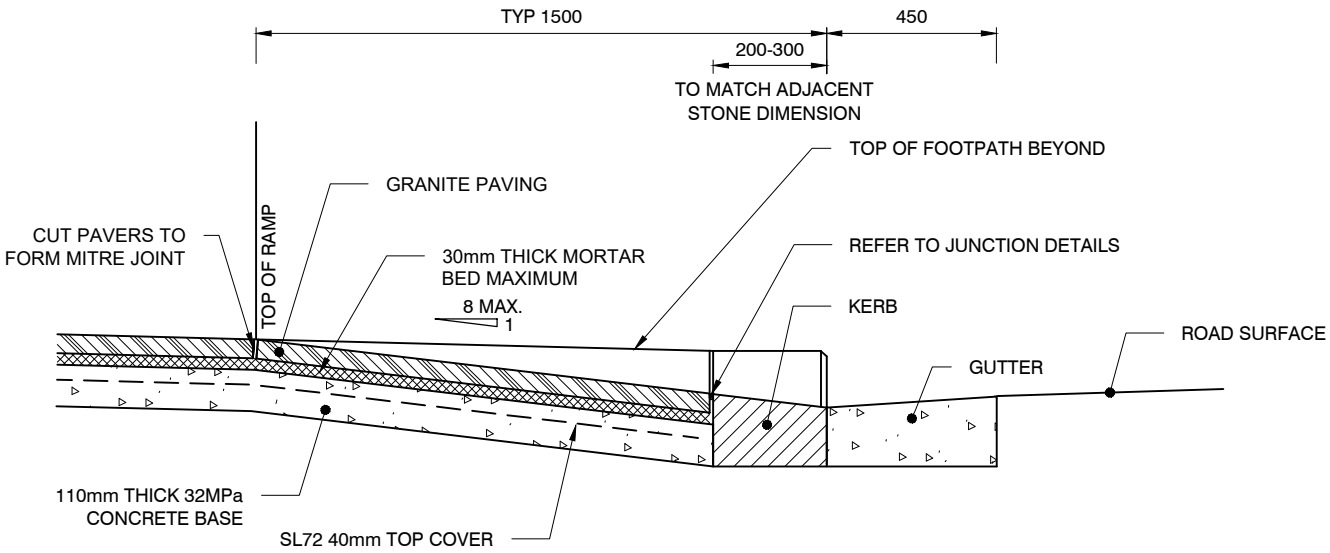
CITY OF SYDNEY	GRANITE PAVING JOINTS	FOOTWAYS **Rev** E **Date** *16.11.22* **Approved** S A Dwg No. 2.2.5



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

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

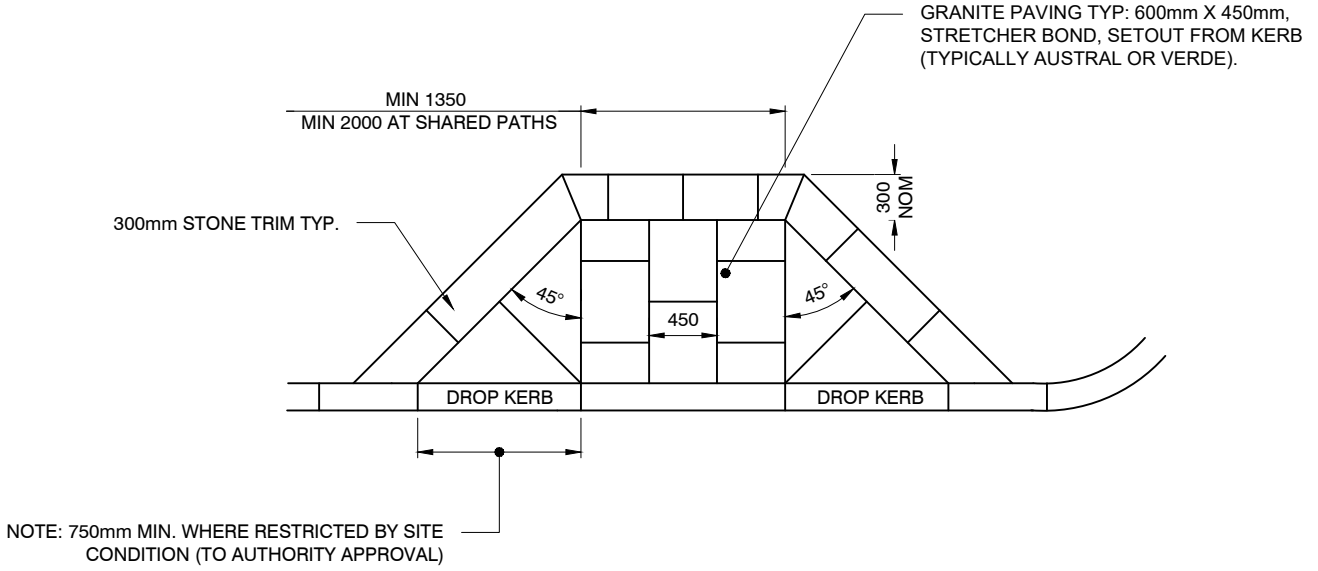
GRANITE PAVING

PEDESTRIAN RAMP (TYPICAL)

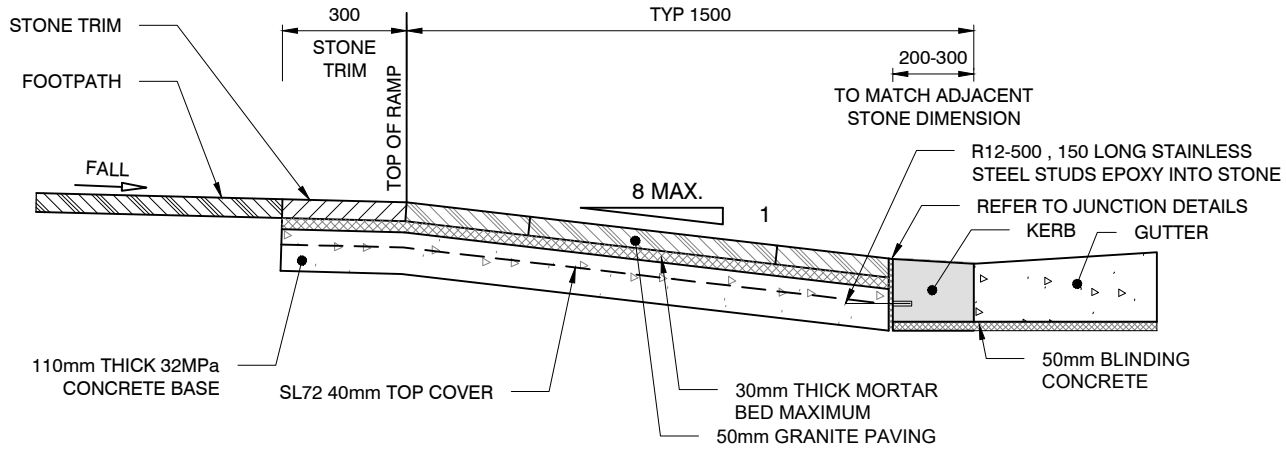
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.6



PLAN 1:50



SECTION 1:20

NOTES:

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

CITY OF SYDNEY

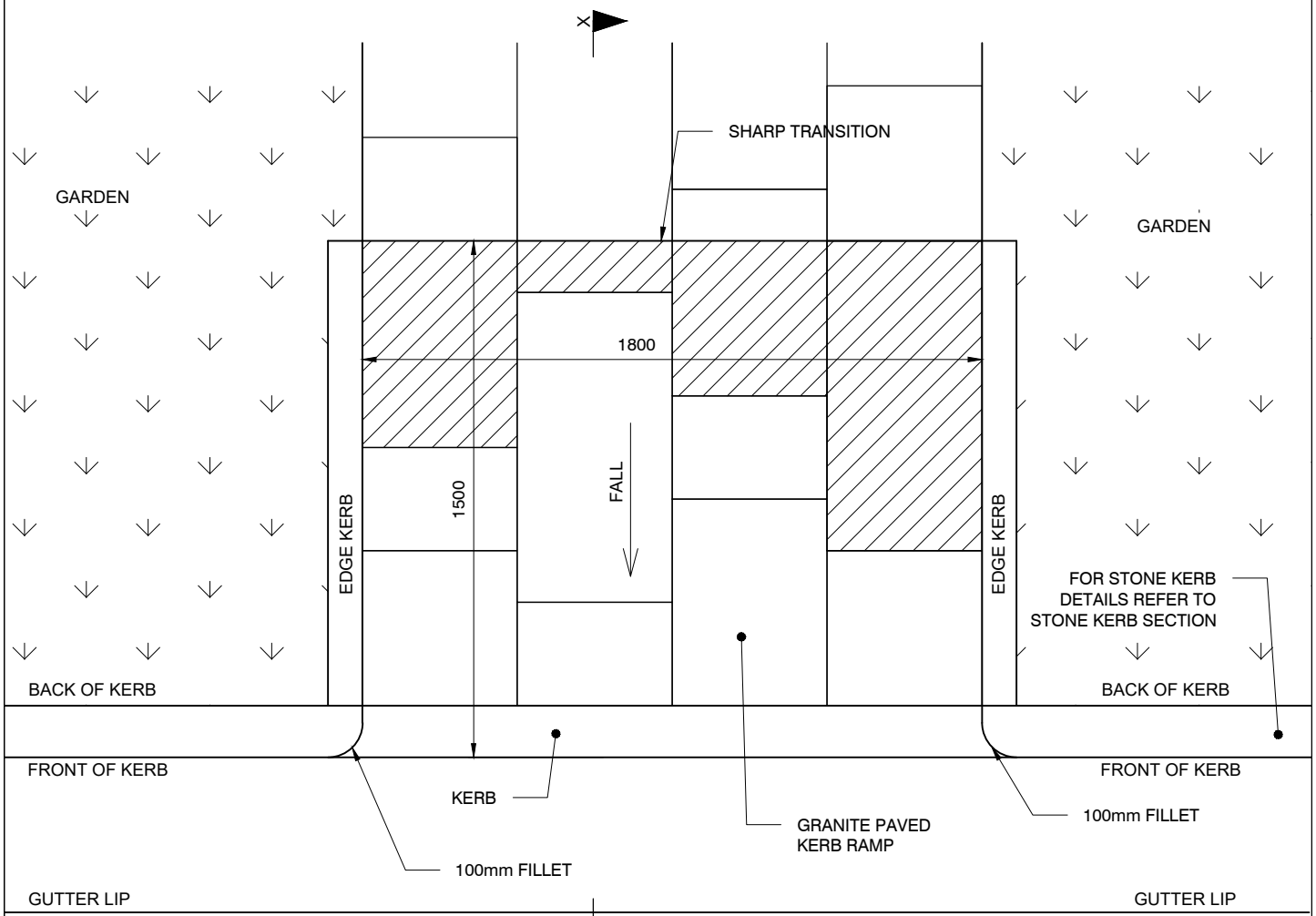
GRANITE PAVING

PEDESTRIAN RAMP (PYRMONT / ULTIMO SPECIAL)

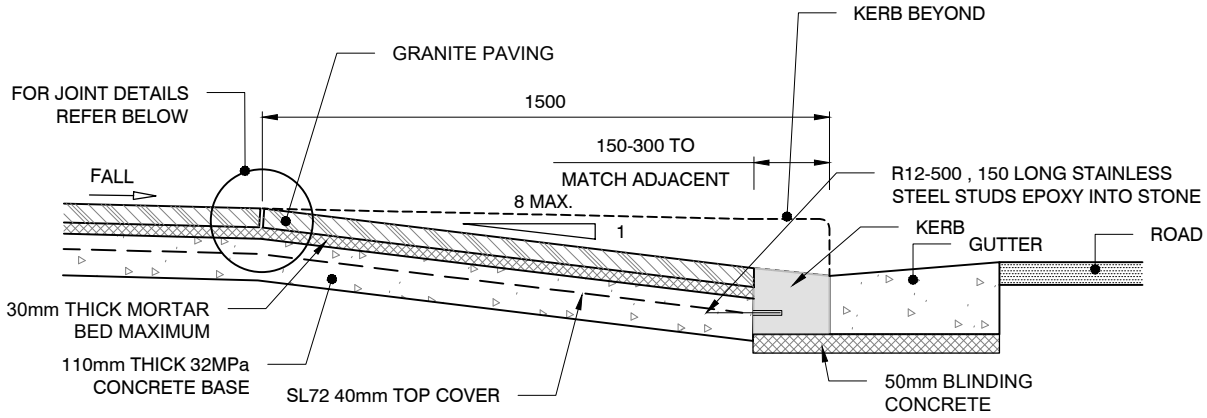
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

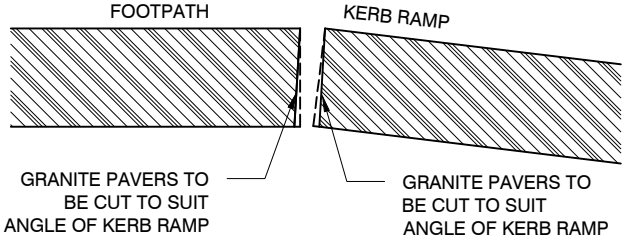
Dwg No. 2.2.7



PLAN 1:20



SECTION X-X 1:20



DETAIL 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

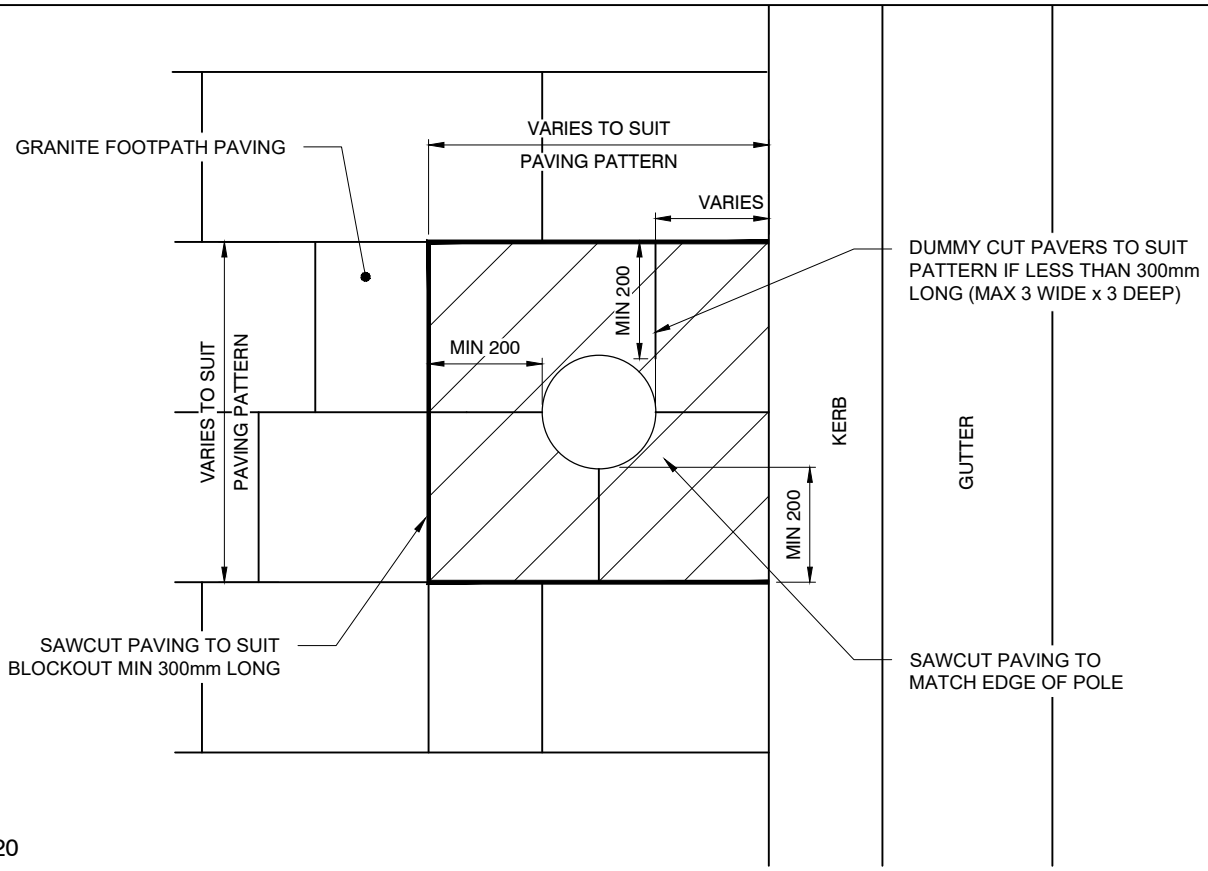
GRANITE PAVING

PEDESTRIAN RAMP (ADJACENT GARDEN)

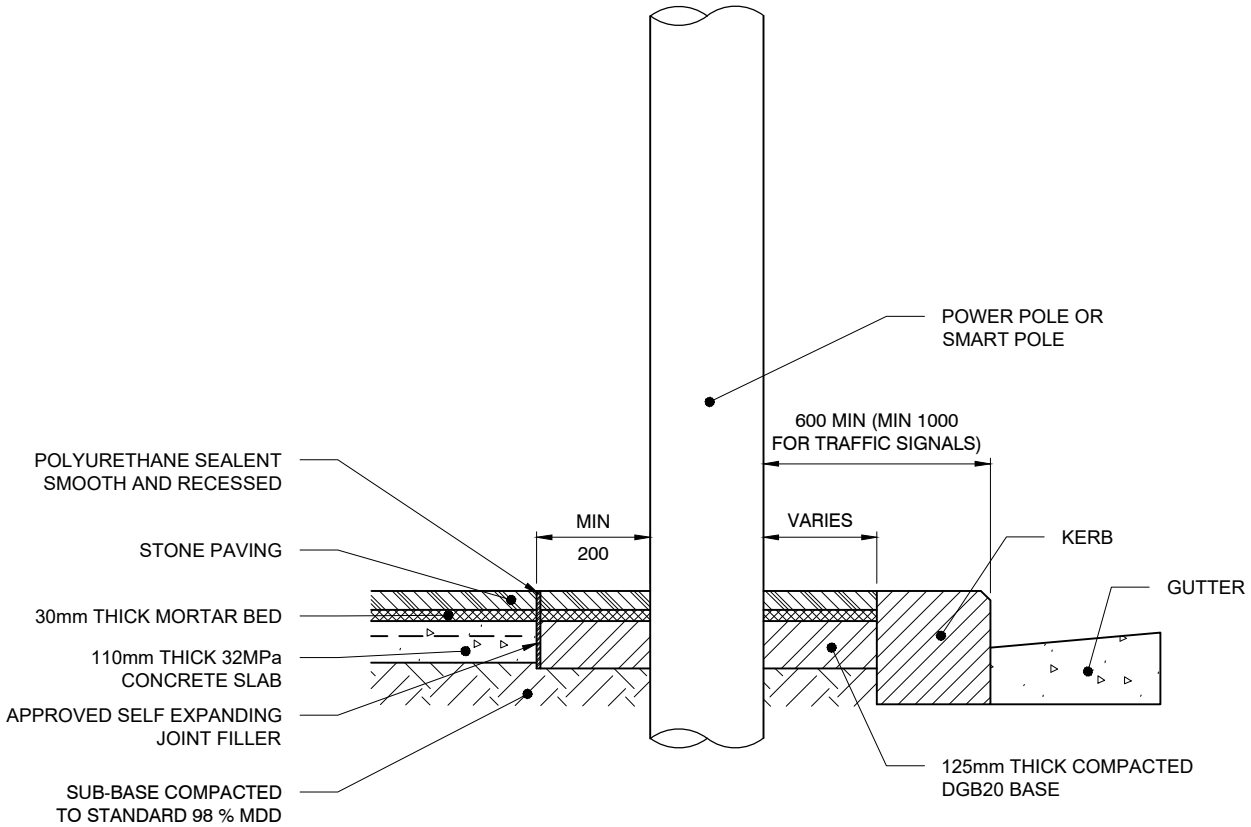
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.8



PLAN 1:20



ELEVATION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

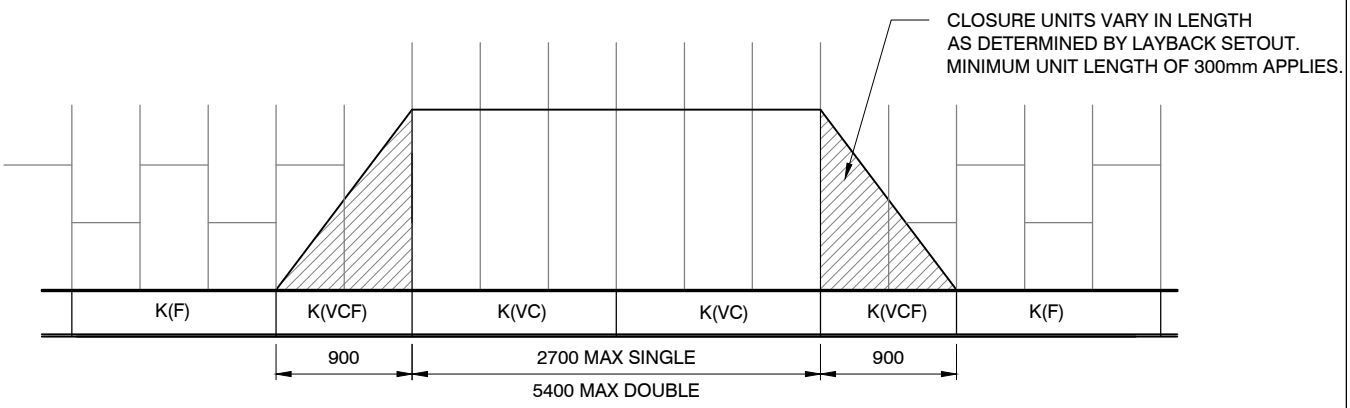
GRANITE PAVING

PAVING AROUND LIGHT POLES AND SMART POLES

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.2.9



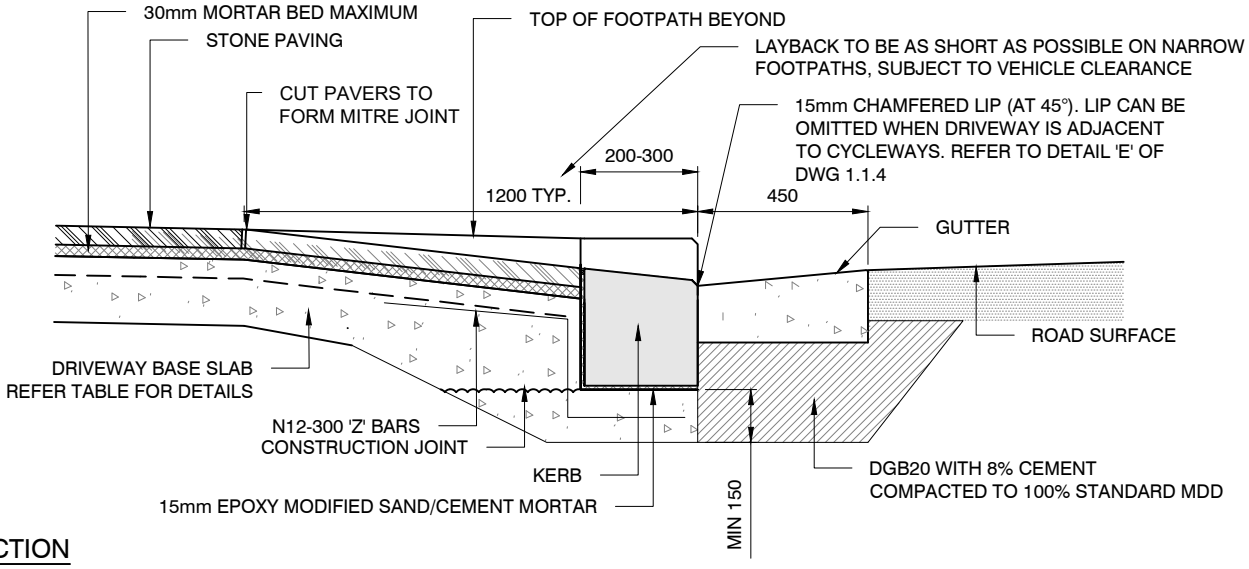
PLAN
1:50

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. 60MM THICK PAVERS WILL BE REQUIRED IN DISTINCTIVE PLACES AS SPECIFIED (REFER TO FOOTWAYS SPECIFICATION FOR FURTHER DETAILS)
6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

KERB PROFILES

TYPE K(F):	FULL HEIGHT
TYPE K(VCF):	VEHICULAR CHAMFERED TO FALL
TYPE K(VC):	VEHICULAR CROSSOVER



SECTION
1:20

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

CITY OF SYDNEY

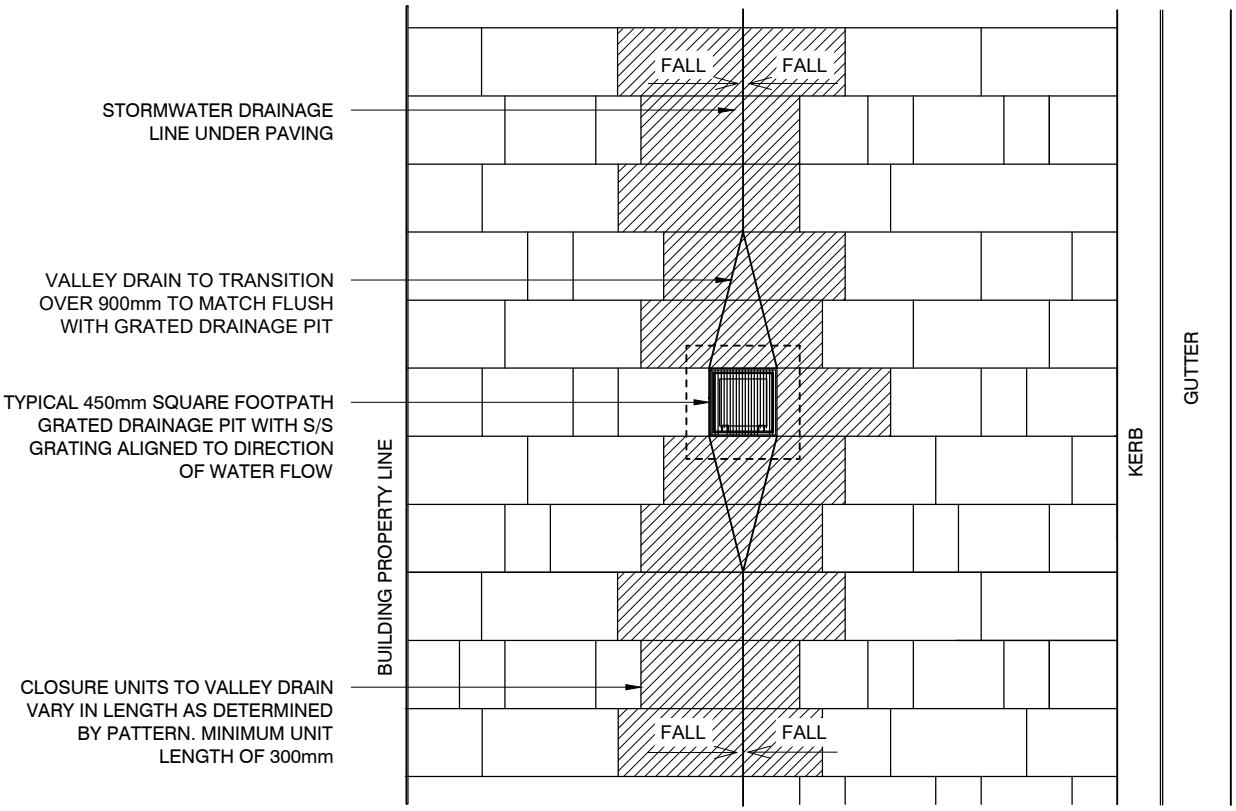
GRANITE PAVING

VEHICULAR CROSSING

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

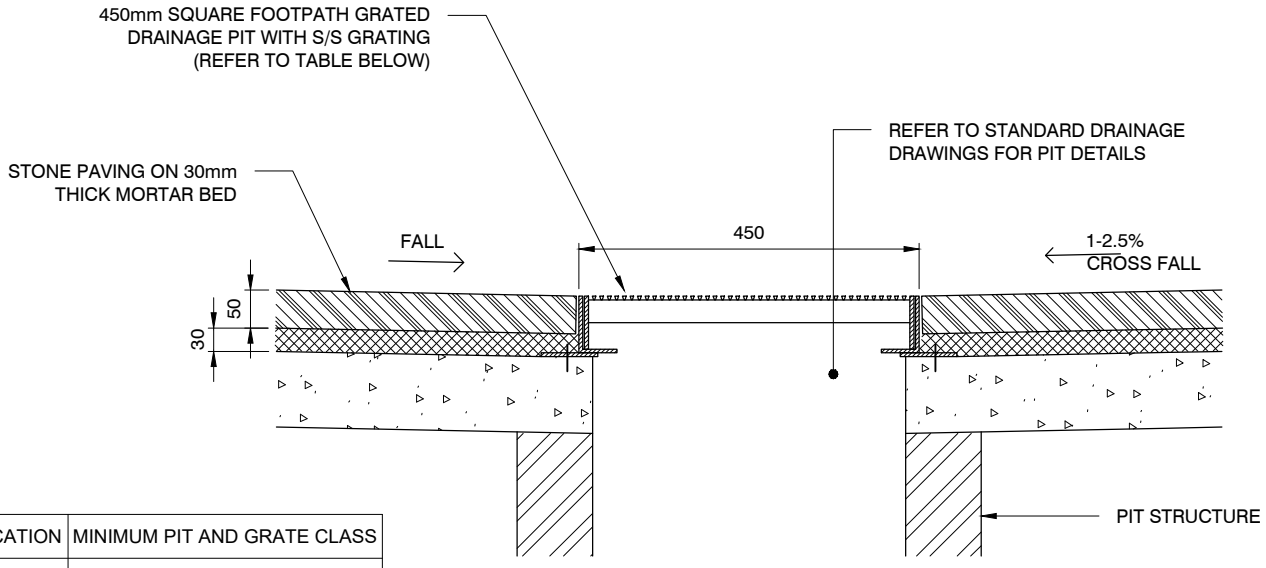
Dwg No. 2.2.10



NOTES:

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

PLAN 1:50



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

SECTION 1:10

CITY OF SYDNEY

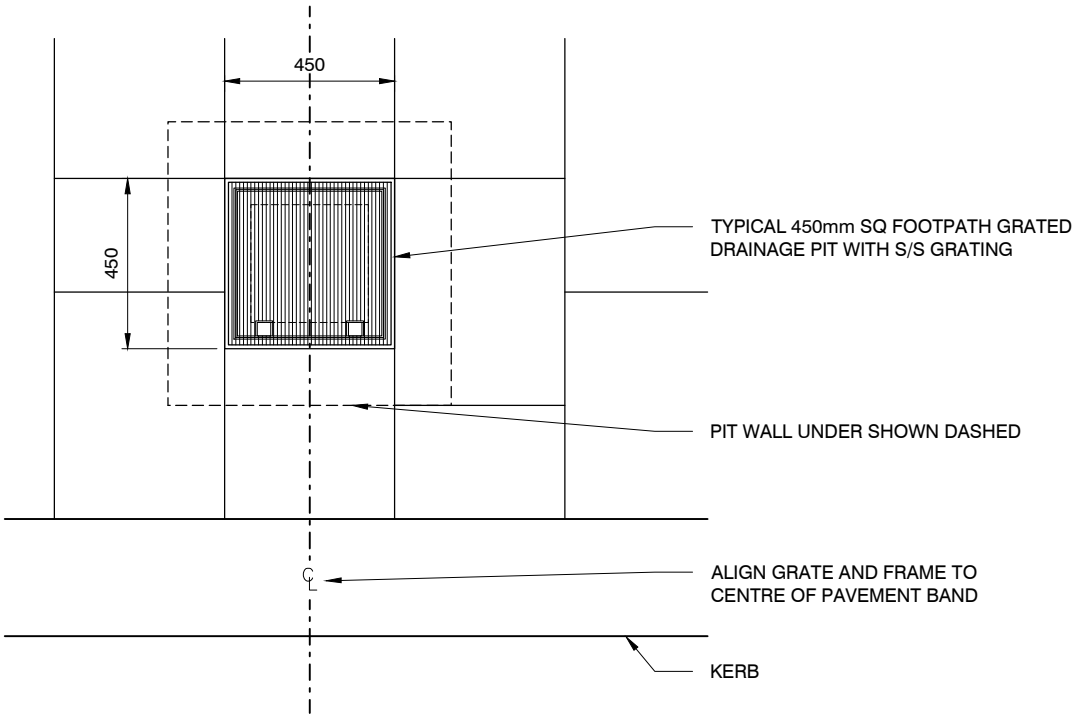
GRANITE PAVING

STORMWATER VALLEY DRAIN

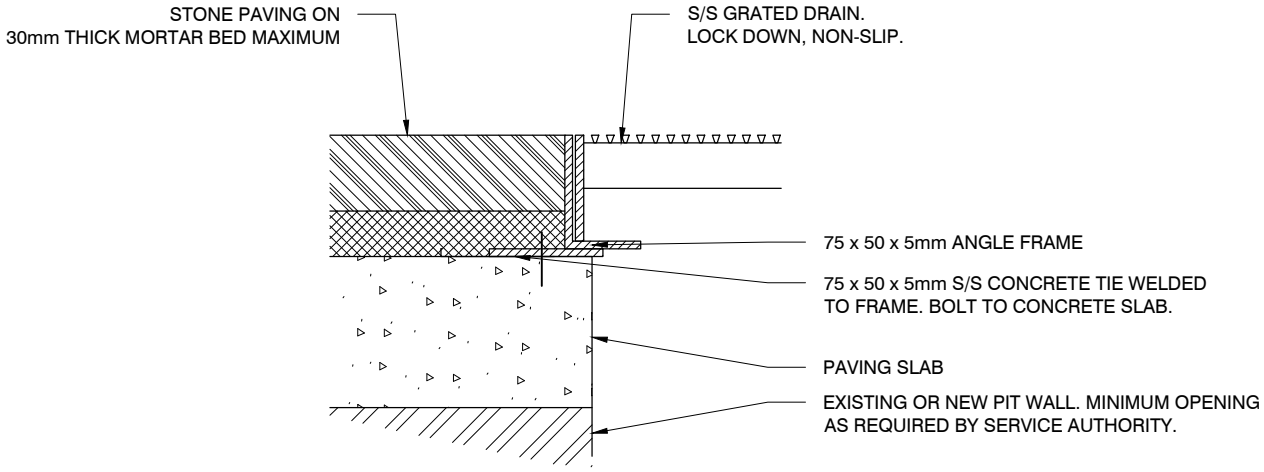
FOOTWAYS

Rev D
Date *01.12.19*
Approved P S

Dwg No. 2.2.11



PLAN 1:20



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

SECTION 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

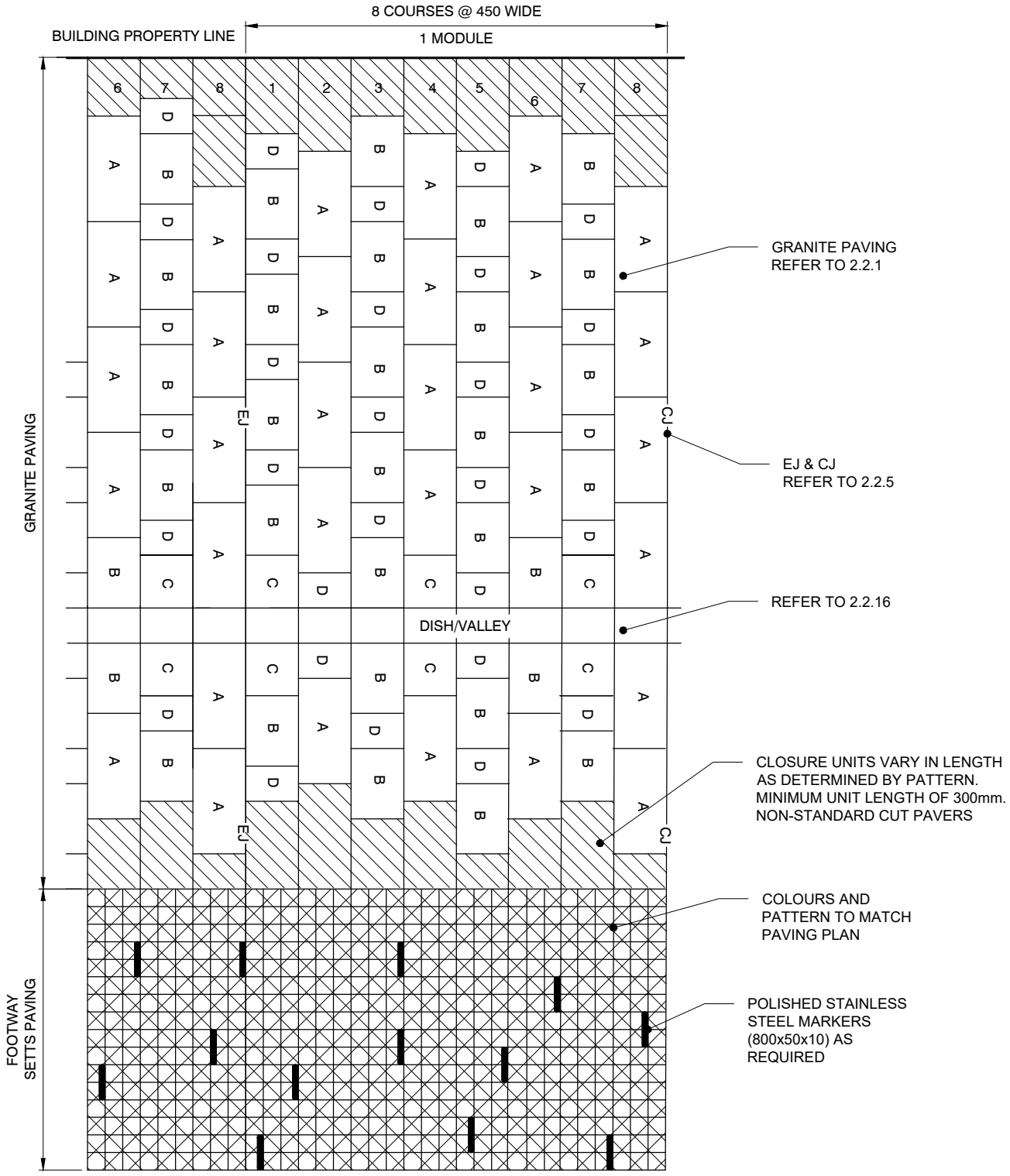
GRANITE PAVING

STAINLESS STEEL GRATING TO DRAINAGE PIT

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.12



NOTES:

1. MAINTAIN PAVER BAND WIDTH OF 450mm EXCEPT WHERE REQUIRED TO ADJUST PAVERS TO SUIT SITE CONDITIONS, THEN MIN 400mm BAND WIDTH OVER MIN 5 COURSES IS ACCEPTABLE.
2. 1-3mm GAP REQUIRED BETWEEN PAVERS.
3. FOOTWAY STONE SETTS TO COMPLY WITH THE FOLLOWING
   - 3.1. NATURAL STONE MATERIAL
   - 3.2. TO BE SIZED TO FIT WITHIN 450mm WIDE PAVER BAND
   - 3.3. LAYED ON 200mm THICK 32Mpa REINFORCED (2 LAYERS of SL82) CONCRETE BASE
   - 3.4. DESIGNED FOR HEAVY VEHICLE LOADS
   - 3.5. MEET SLIP RESISTANCE OF MINIMUM 'W' AS PER HB197
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

STONE SIZES:

TYPE A: 900 x 450 x 60mm
TYPE B: 600 x 450 x 60mm
TYPE C: 450 x 450 x 60mm
TYPE D: 300 x 450 x 60mm

CJ: CONTRACTION JOINT
EJ: EXPANSION JOINT

PLAN 1:50

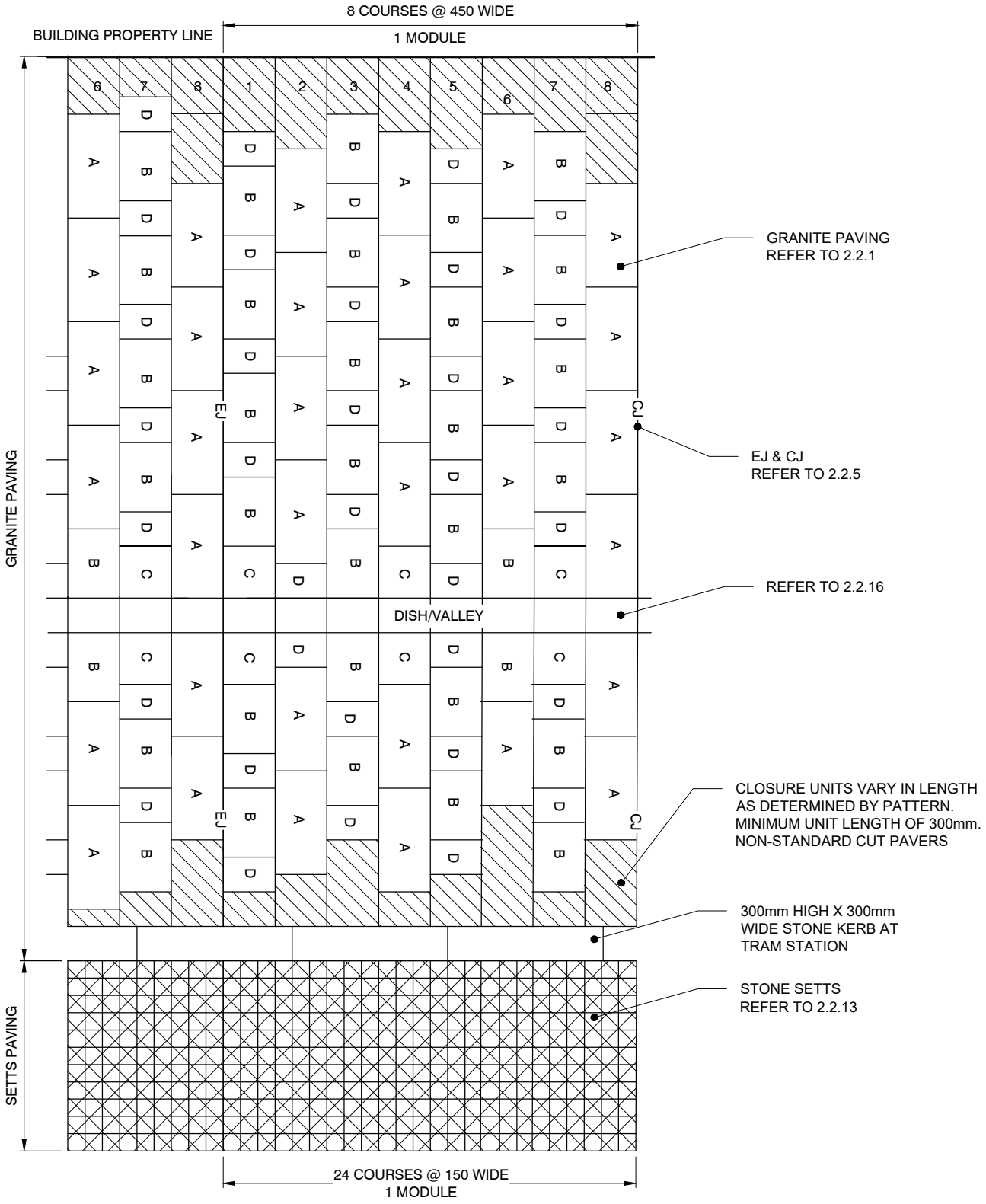
CITY OF SYDNEY

GRANITE PAVING
GENERAL ARRANGEMENT PLAN
(GEORGE ST PEDESTRIAN ZONE)

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.13



NOTES:

1. MAINTAIN PAVER BAND WIDTH OF 450mm EXCEPT WHERE REQUIRED TO ADJUST PAVERS TO SUIT SITE CONDITIONS, THEN MIN 400mm BAND WIDTH OVER MIN 5 COURSES IS ACCEPTABLE.
2. 1-3mm GAP REQUIRED BETWEEN PAVERS.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

STONE SIZES:

TYPE A: 900 x 450 x 60mm
TYPE B: 600 x 450 x 60mm
TYPE C: 450 x 450 x 60mm
TYPE D: 300 x 450 x 60mm

CJ: CONTRACTION JOINT
EJ: EXPANSION JOINT

PLAN 1:50

CITY OF SYDNEY

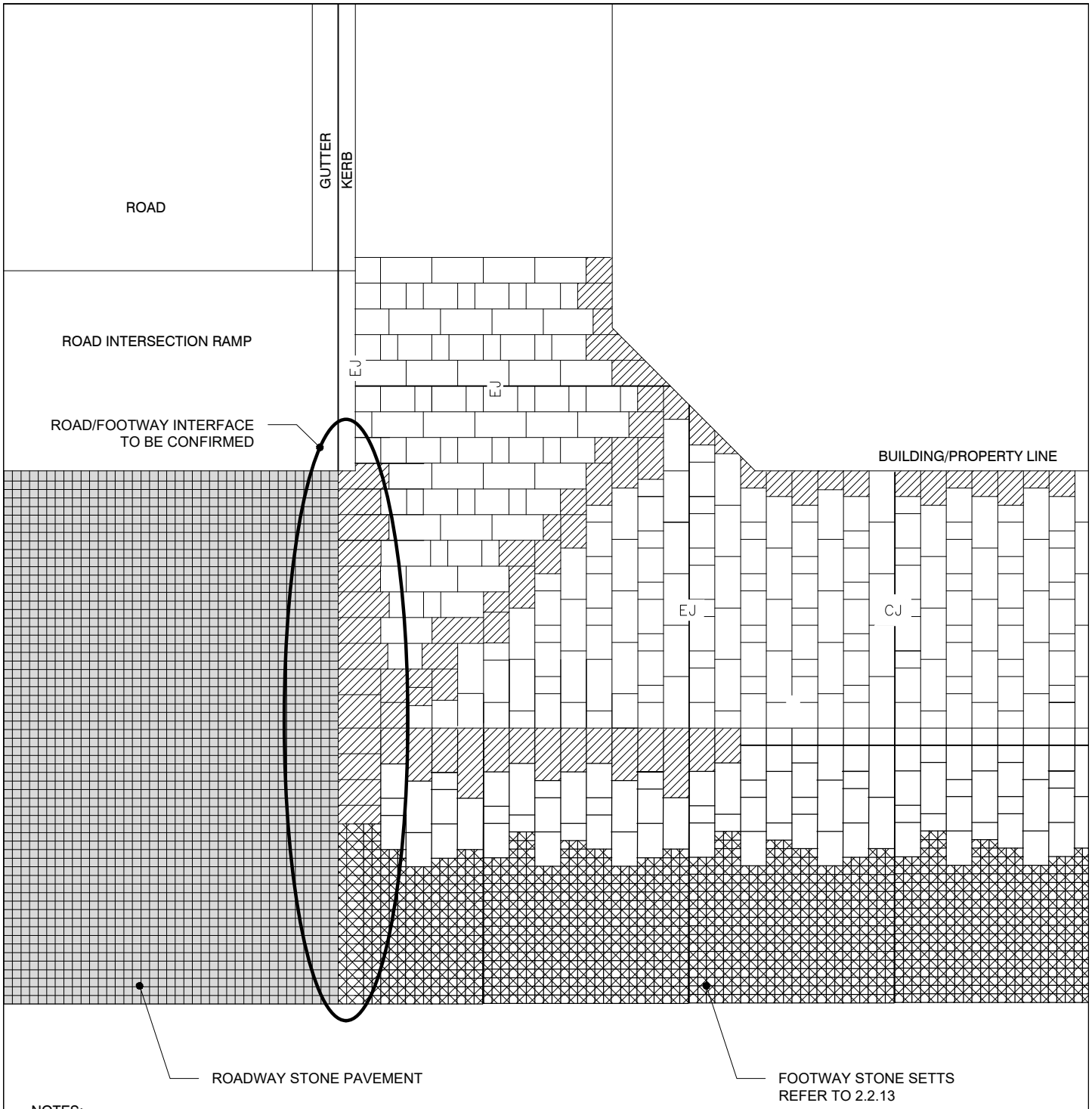
GRANITE PAVING

GENERAL ARRANGEMENT PLAN
(GEORGE ST PEDESTRIAN ZONE STATION)

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.14



NOTES:

1. MAINTAIN PAVER BAND WIDTH OF 450mm EXCEPT WHERE REQUIRED TO ADJUST PAVERS TO SUIT SITE CONDITIONS, THEN MIN 400mm BAND WIDTH OVER MIN 5 COURSES IS ACCEPTABLE.
2. 1-3mm GAP REQUIRED BETWEEN PAVERS.
3. TACTILES AS REQUIRED
4. ROAD PAVING TO COMPLY WITH THE FOLLOWING REQUIREMENTS
   - 4.1. LAYED ON A 200mm THICK 32mpa REINFORCED (2 LAYERS OF SL82) CONCRETE BASE
   - 4.2. A NATURAL STONE PAVER WITH SIMILAR COLOUR TO AUSTRAL BLACK GRANITE PAVING
   - 4.3. DESIGNED FOR HEAVY TRAFFIC LOADS EQUIVALENT TO CLASS D
   - 4.4. TO MEET THE TfNSW SKID RESISTANCE REQUIREMENTS
   - 4.5. DEMONSTRATED TO HAVE MINIMAL POLISHING OVER TIME DUE TO TRAFFIC LOADS
   - 4.6. PAVING TO BE DESIGNED FOR QUICK MAINTENANCE ALLOWING FOR TRAFFIC LOADING AFTER REPAIR
   - 4.7. MINIMUM SERVICE LIFE OF PAVEMENT SHALL BE 40 YEARS
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

STONE SIZES:

TYPE A: 900 x 450 x 60mm
TYPE B: 600 x 450 x 60mm
TYPE C: 450 x 450 x 60mm
TYPE D: 300 x 450 x 60mm

CJ: CONTRACTION JOINT
EJ: EXPANSION JOINT

PLAN 1:100

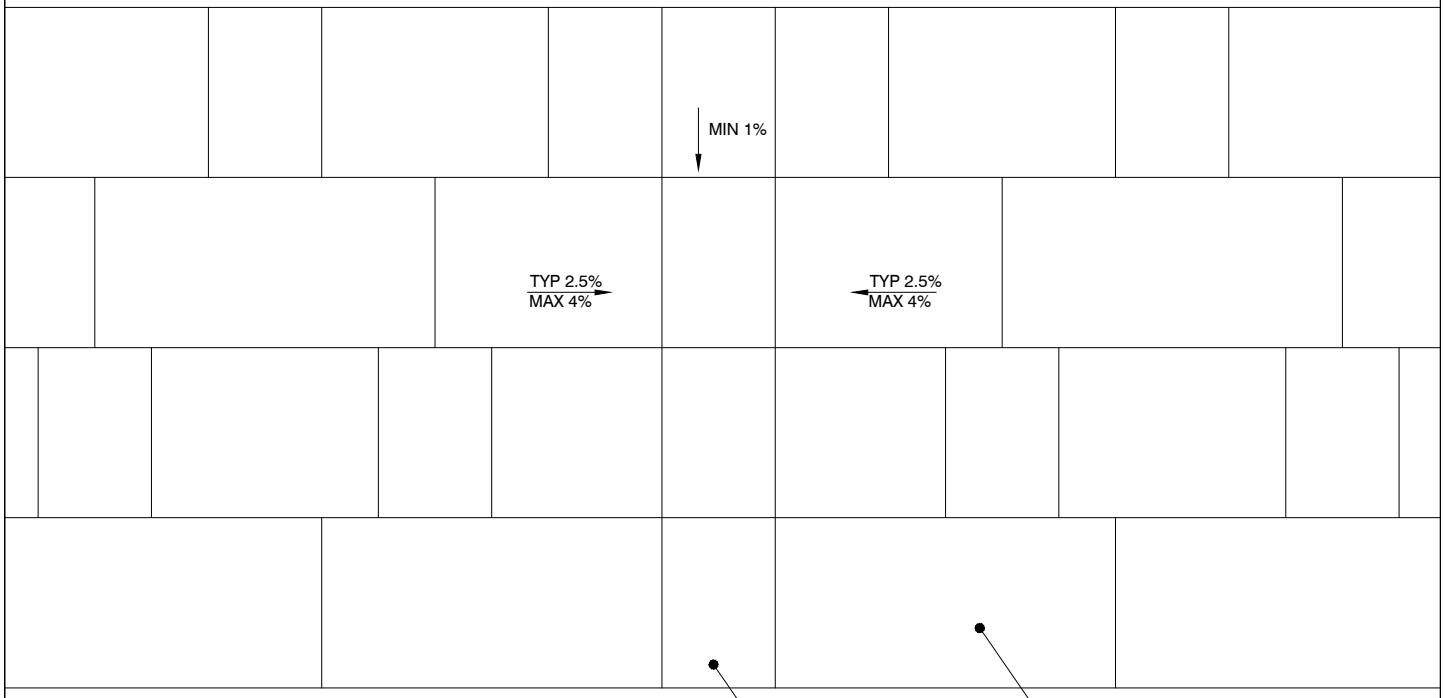
CITY OF SYDNEY

GRANITE PAVING

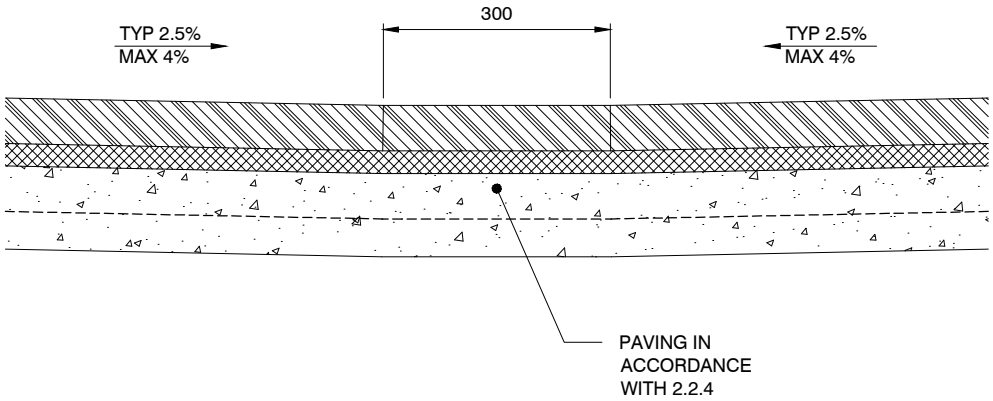
GENERAL ARRANGEMENT PLAN
(GEORGE ST PEDESTRIAN ZONE INTERSECTION)

FOOTWAYS

Rev	D	Dwg No.
Date	*01.12.19*	2.2.15
Approved	P S	



PLAN 1:20



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

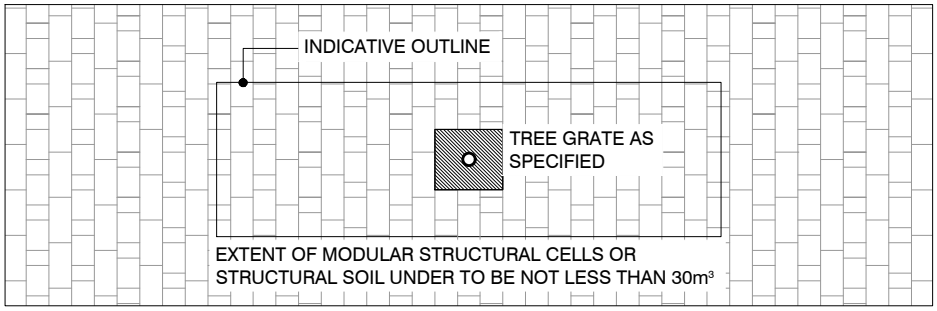
CITY OF SYDNEY

GRANITE PAVING
STORMWATER VALLEY DRAIN (GEORGE ST PEDESTRIAN ZONE)

FOOTWAYS

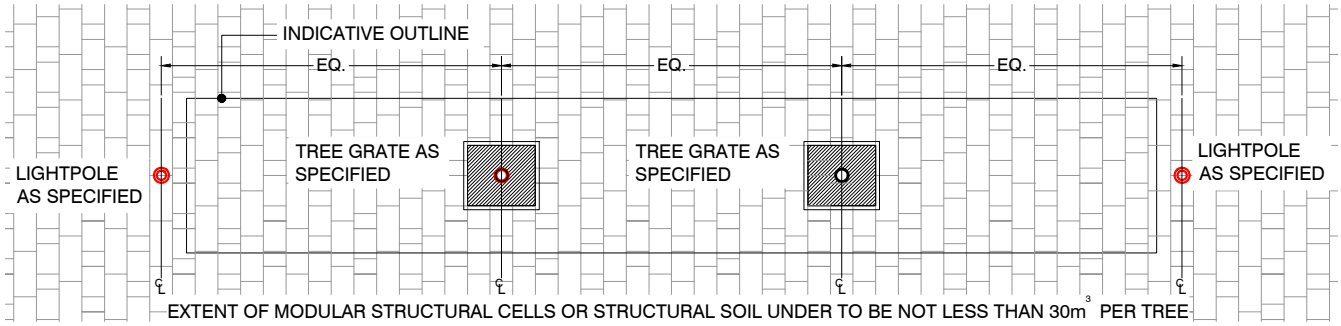
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.2.16



REFER TO DRAWING 2.2.1 FOR GRANITE PAVING

SINGLE TREE PIT PLAN



REFER TO DRAWING 2.2.1 FOR GRANITE PAVING

LINKED TREE PIT PLAN

NOTES:

1. THE VOLUME OF STRUCTURAL CELLS OR STRUCTURAL SOIL DOES NOT NEED TO BE REGULAR IN SHAPE. SHAPE MAY BE ADJUSTED BASED ON SPECIFIC SITE CONSTRAINTS IN ORDER TO ACHIEVE THE REQUIRED SOIL VOLUMES.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 2.2.1, 2.2.18 & 2.2.19
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

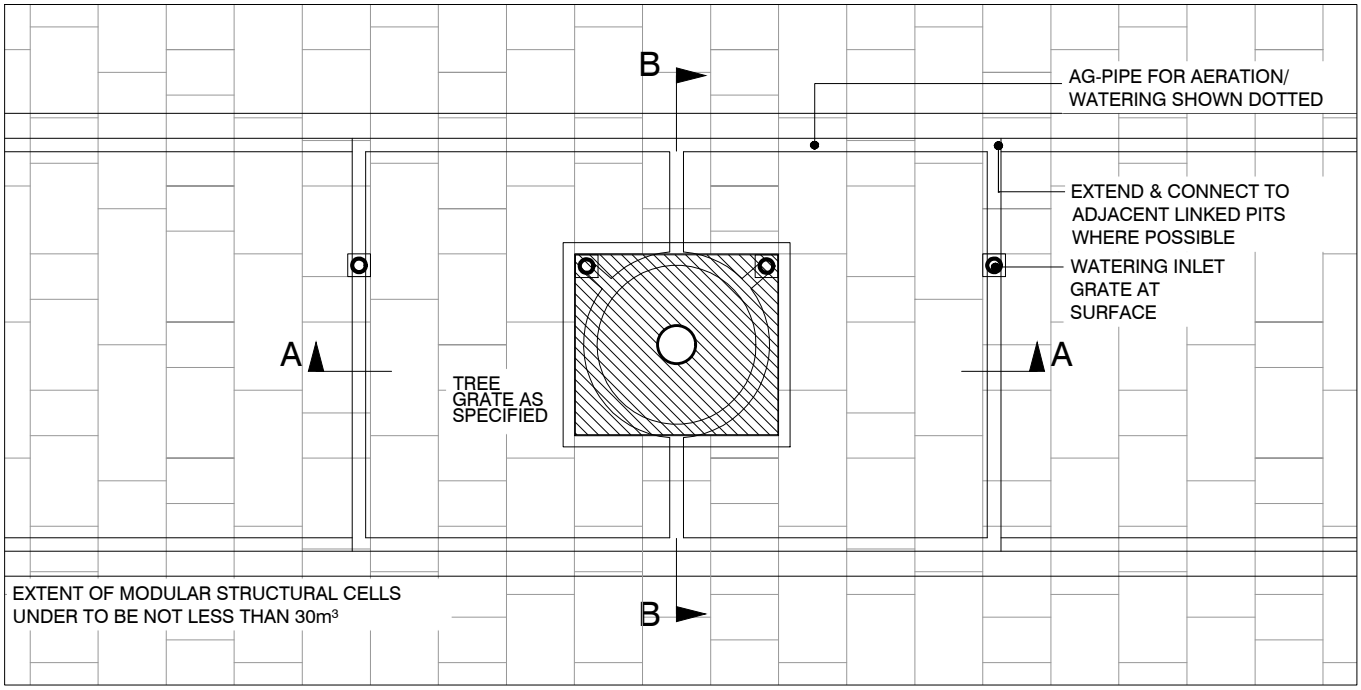
CITY OF SYDNEY

GRANITE PAVING
TREE PIT CONFIGURATIONS
(GEORGE ST PEDESTRIAN ZONE)

FOOTWAYS

Rev	D
Date	01.12.19
Approved	P S

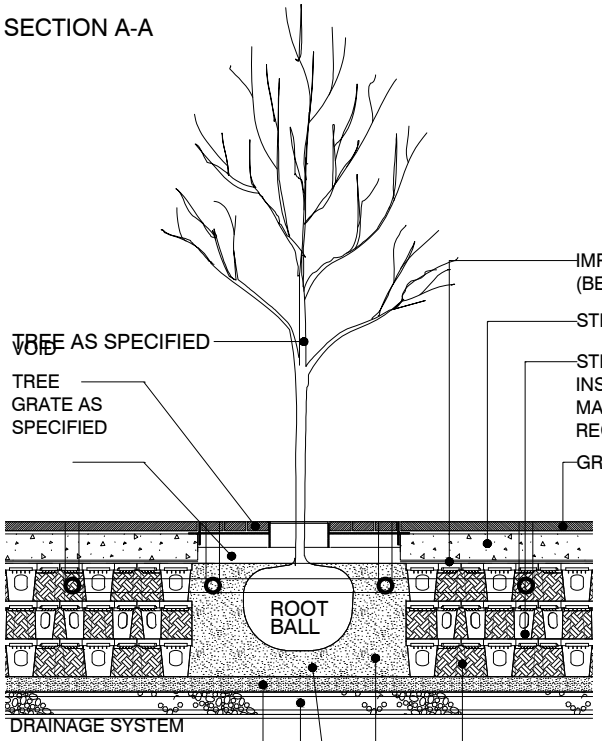
Dwg No. 2.2.17



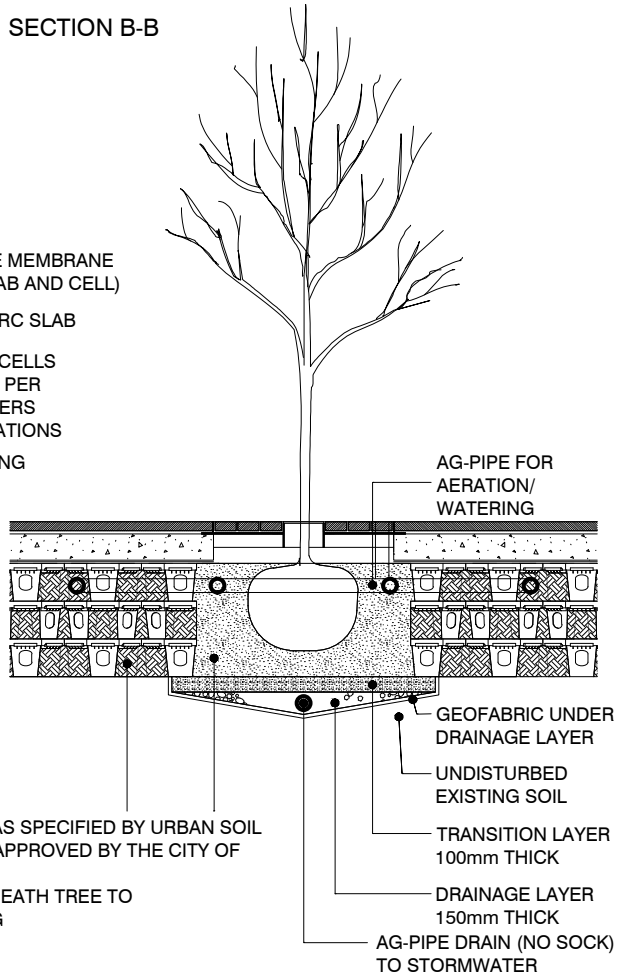
REFER TO DRAWING 2.2.1 FOR GRANITE PAVING

PLAN

SECTION A-A



SECTION B-B



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

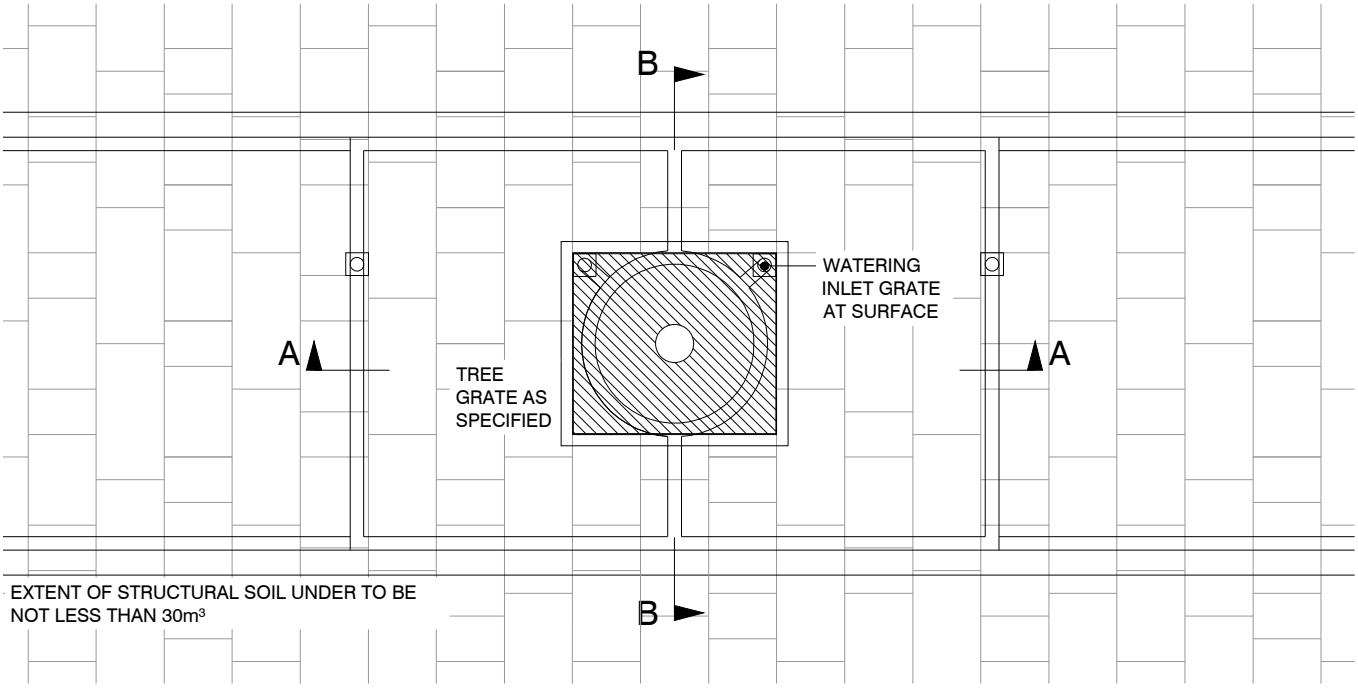
GRANITE PAVING

PREFERRED TREE PITS ARRANGEMENT (GEORGE ST PEDESTRIAN ZONE)

FOOTWAYS

Rev	D
Date	01.12.19
Approved	P S

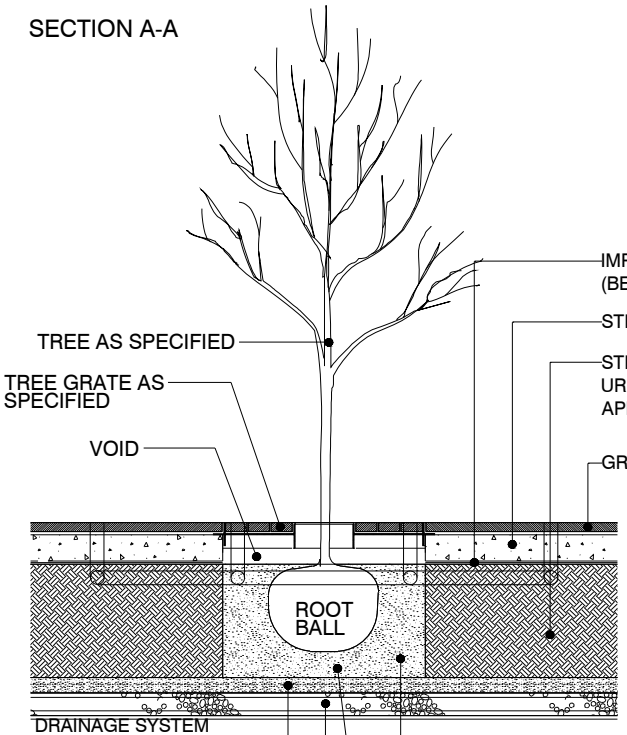
Dwg No. 2.2.18



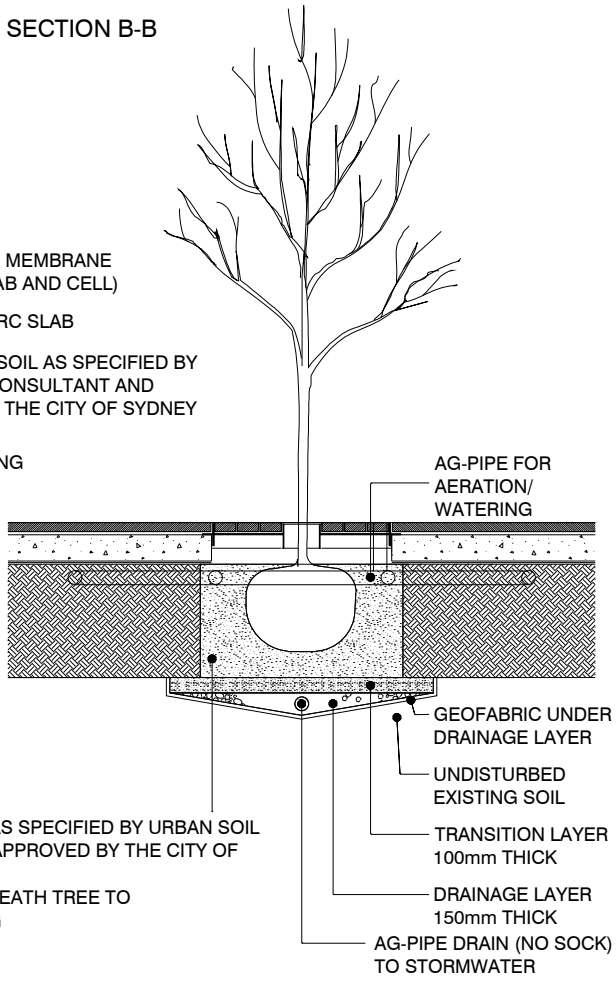
REFER TO DRAWING 2.2.1 FOR GRANITE PAVING

PLAN

SECTION A-A



SECTION B-B



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

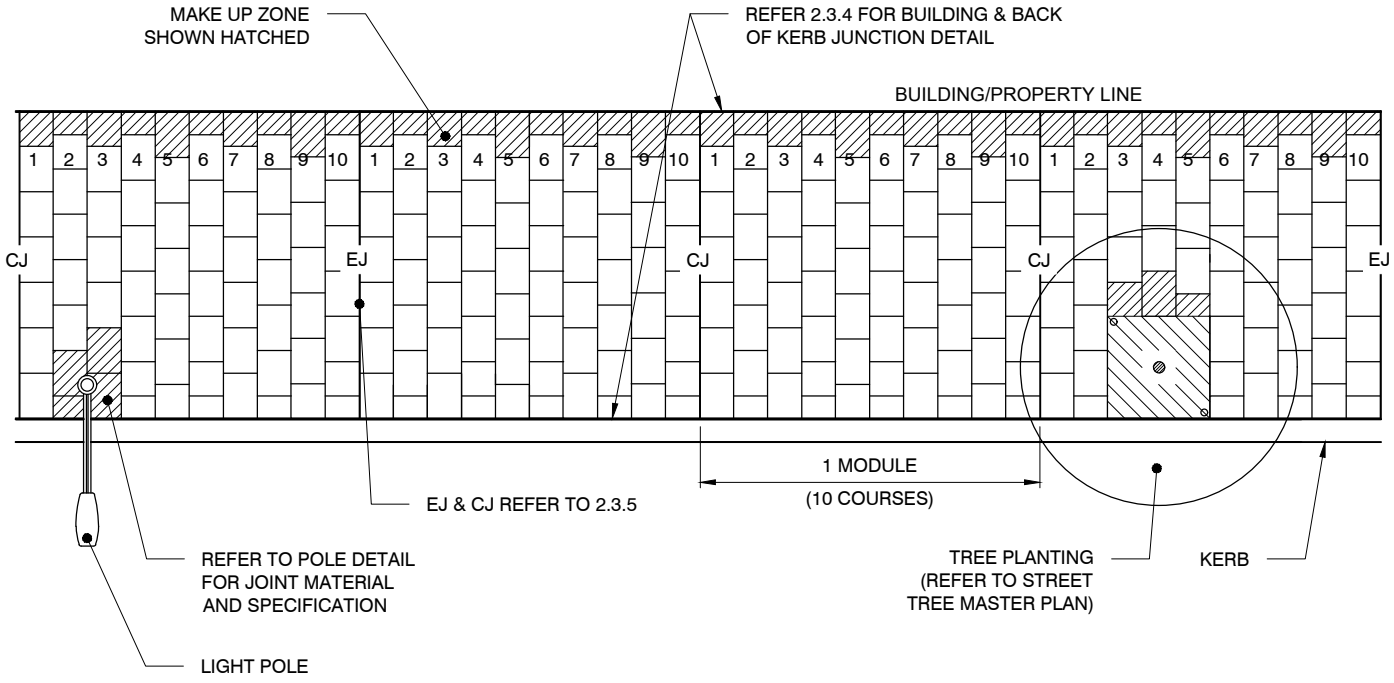
CITY OF SYDNEY

GRANITE PAVING
ALTERNATIVE TREE PIT ARRANGEMENT

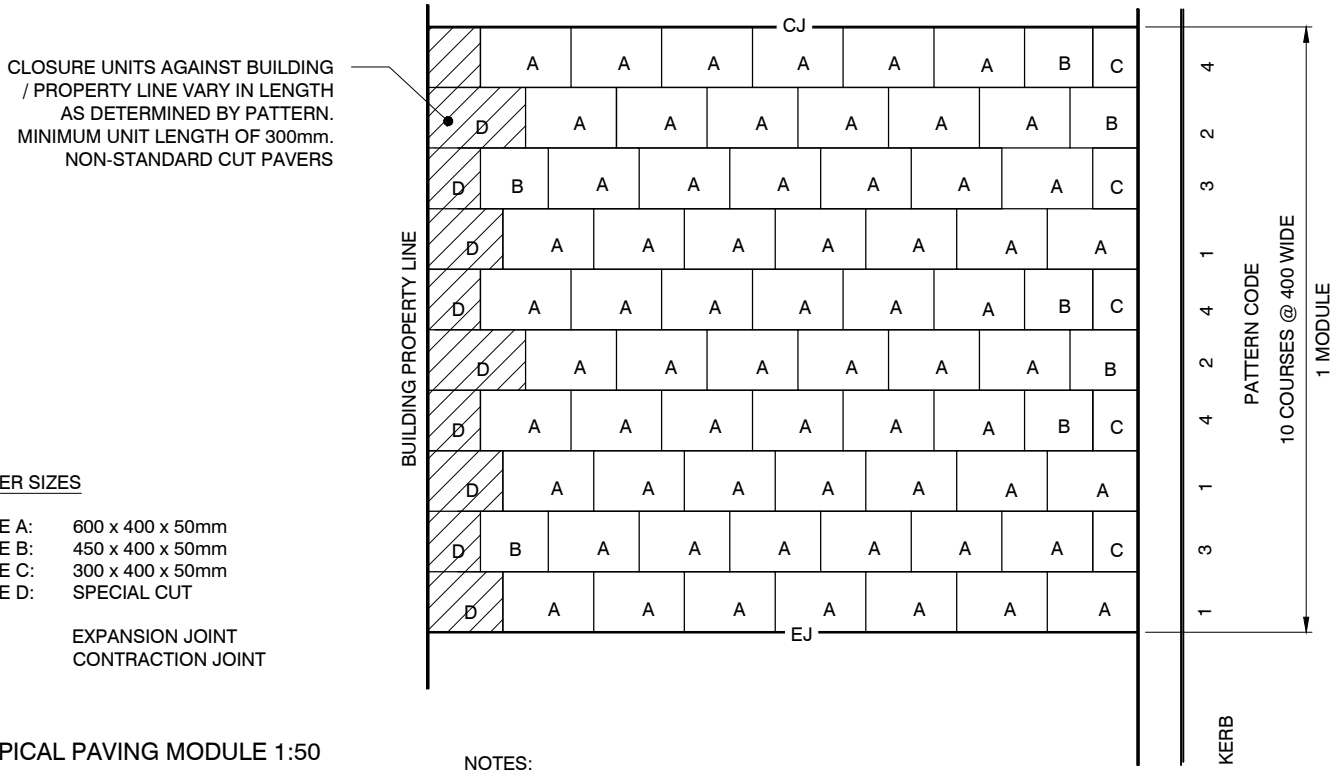
Rev	D
Date	01.12.19
Approved	P S

FOOTWAYS

Dwg No. 2.2.19



PLAN 1:100



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
EJ:	EXPANSION JOINT
CJ:	CONTRACTION JOINT

TYPICAL PAVING MODULE 1:50

NOTES:

1. 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

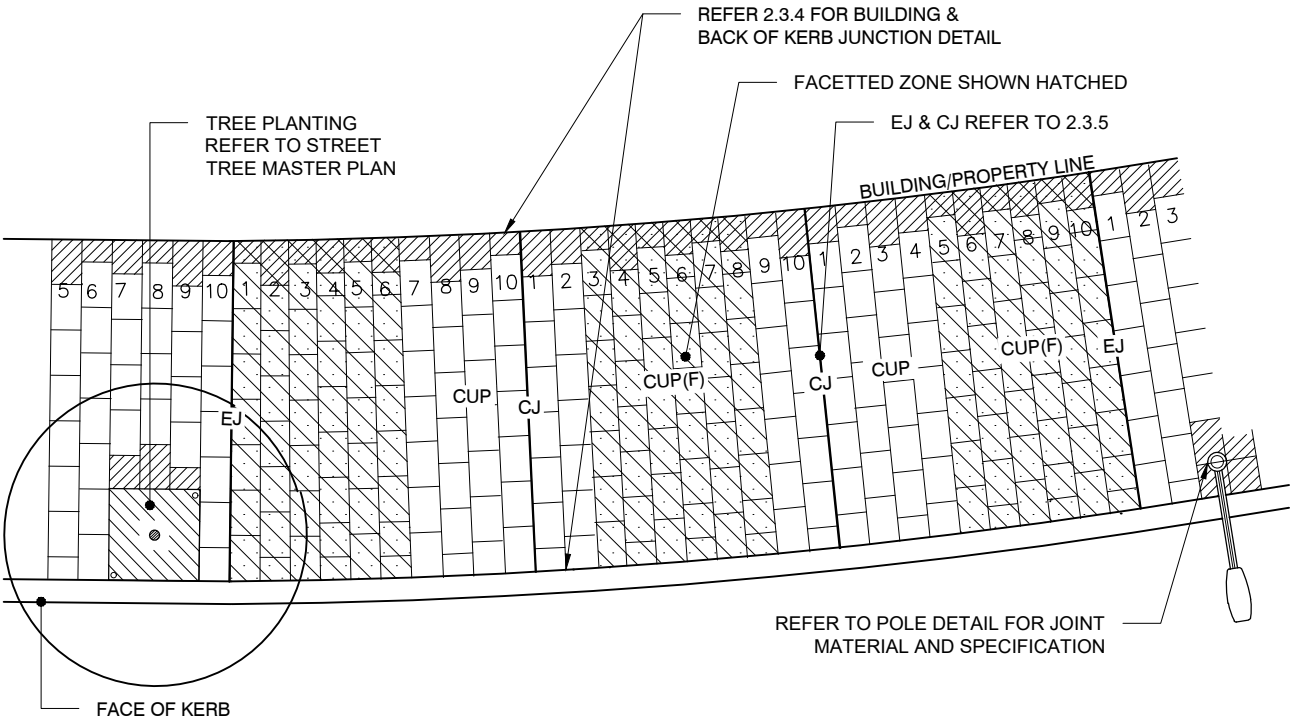
CONCRETE UNIT PAVING

GENERAL ARRANGEMENT PLAN

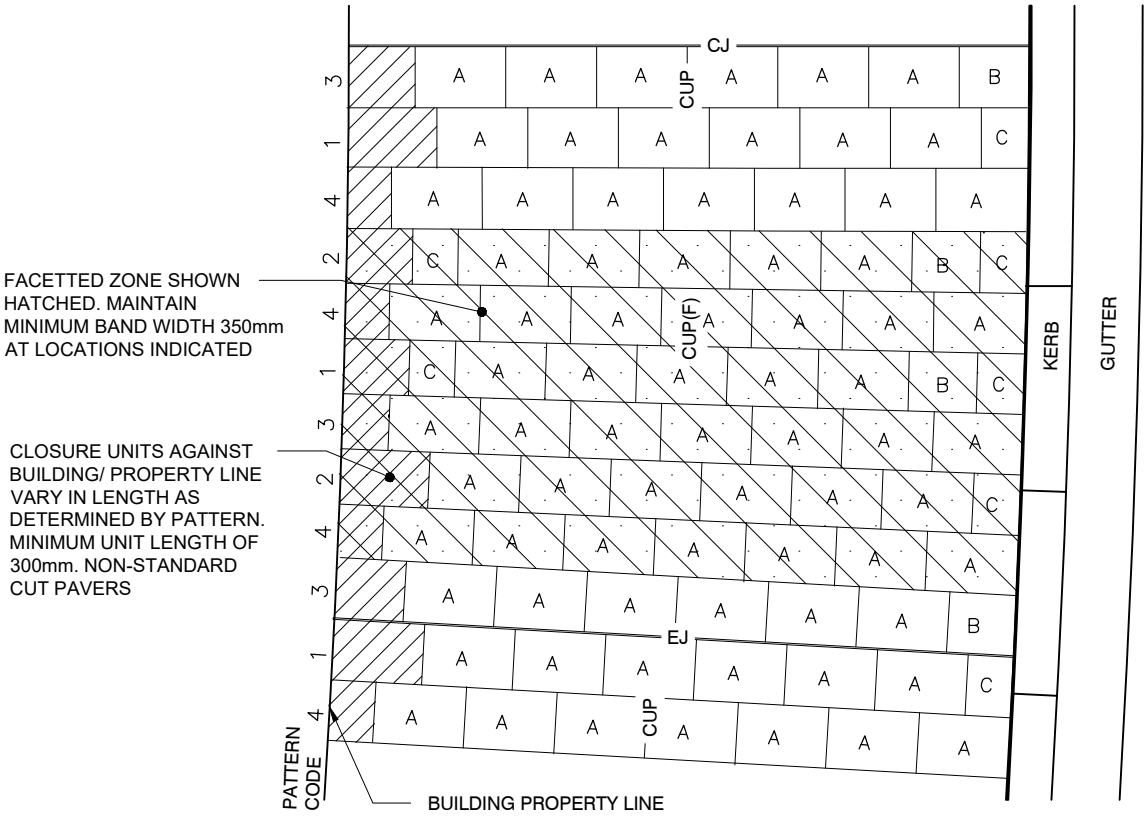
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.3.1



PLAN 1:100



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
EJ:	EXPANSION JOINT
CJ:	CONTRACTION JOINT
CUP:	CONCRETE UNIT PAVING
CUP(F):	CONCRETE UNIT PAVING (FACETTED)

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

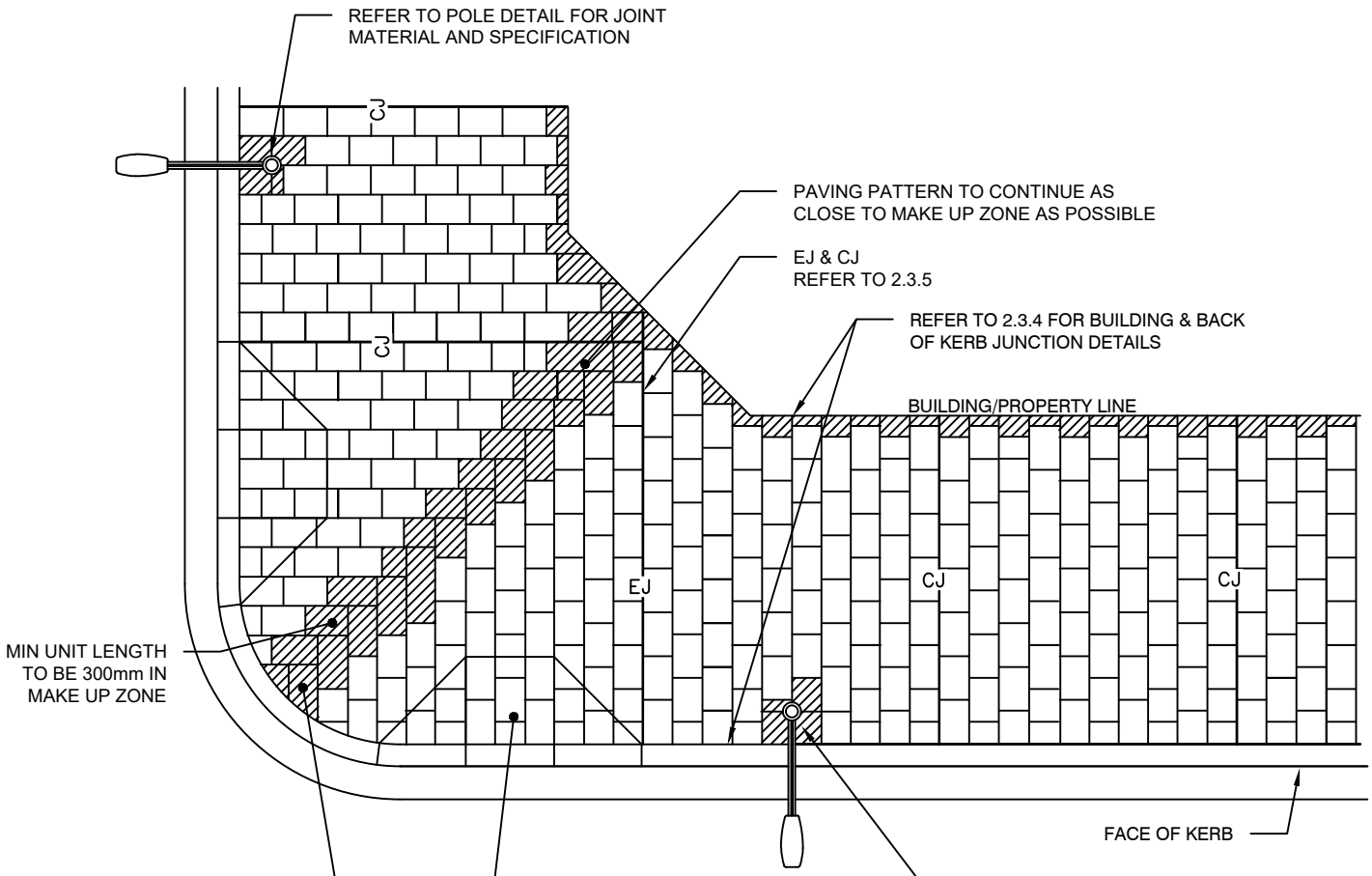
CITY OF SYDNEY

CONCRETE UNIT PAVING

GENERAL ARRANGEMENT PLAN (FACETTED)

FOOTWAYS

Rev	D	Dwg No.
Date	*01.12.19*	2.3.2
Approved	P S	



PLAN 1:100

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

CONCRETE UNIT PAVING

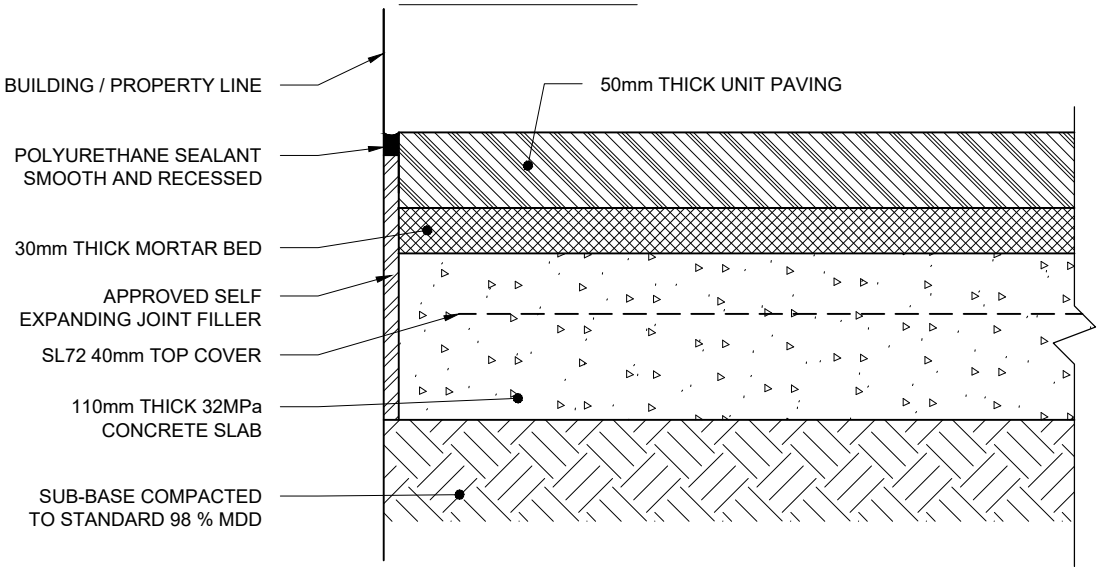
CORNER ARRANGEMENT PLAN (TYPICAL)

FOOTWAYS

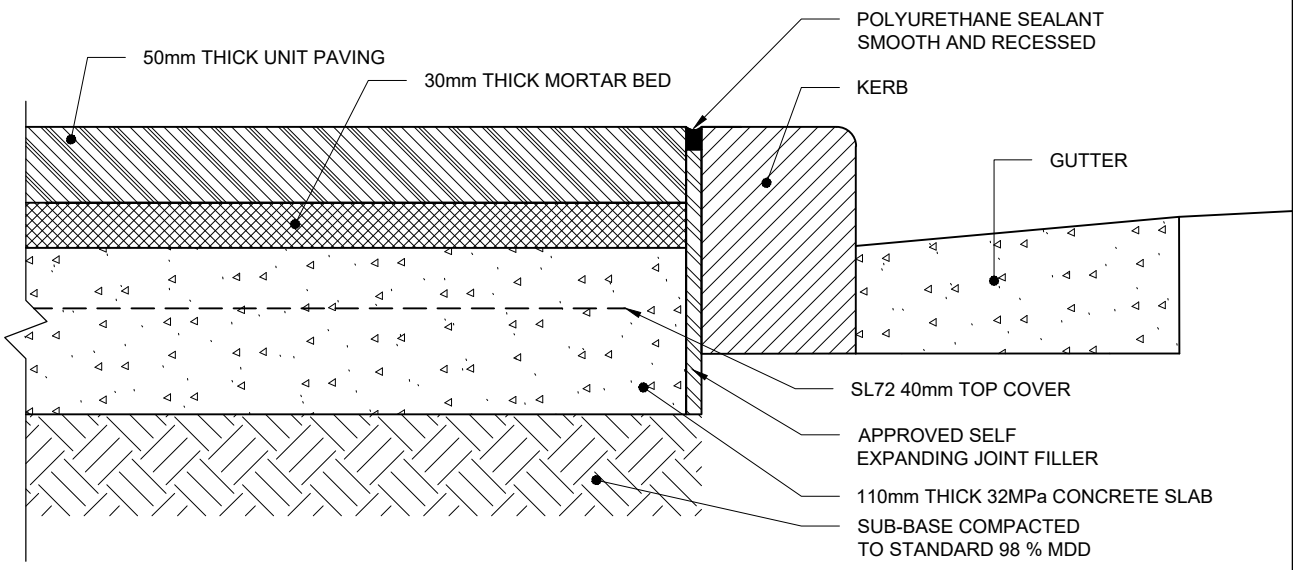
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.3.3

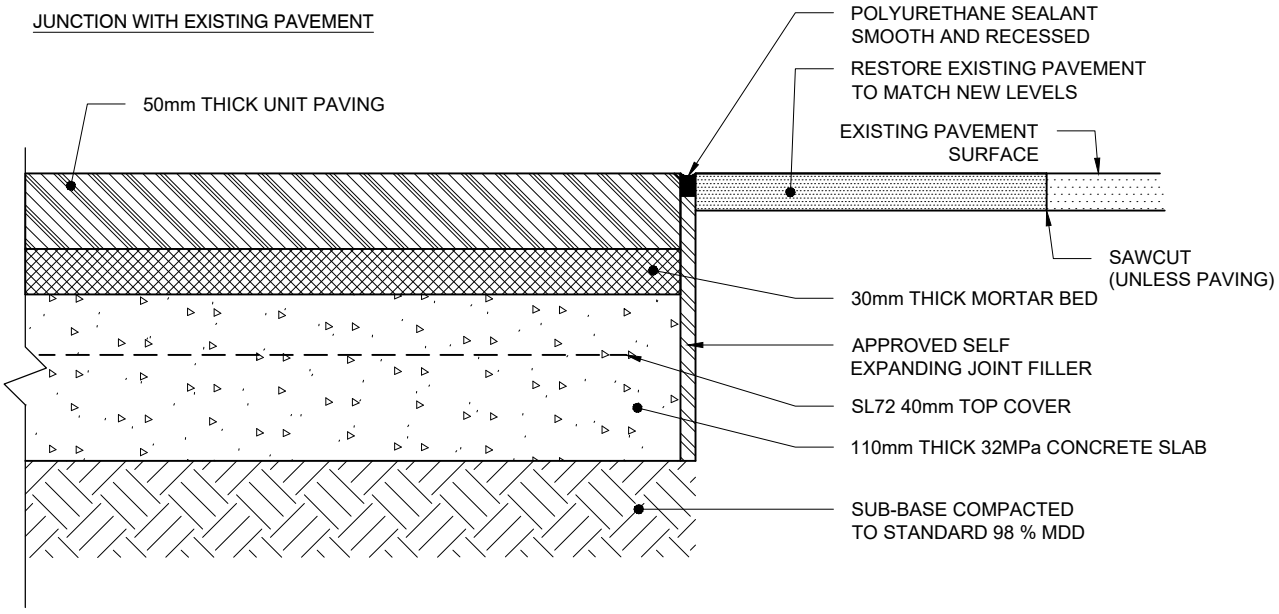
JUNCTION WITH BUILDING



JUNCTION WITH BACK OF KERB



JUNCTION WITH EXISTING PAVEMENT



SECTION 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

CONCRETE UNIT PAVING

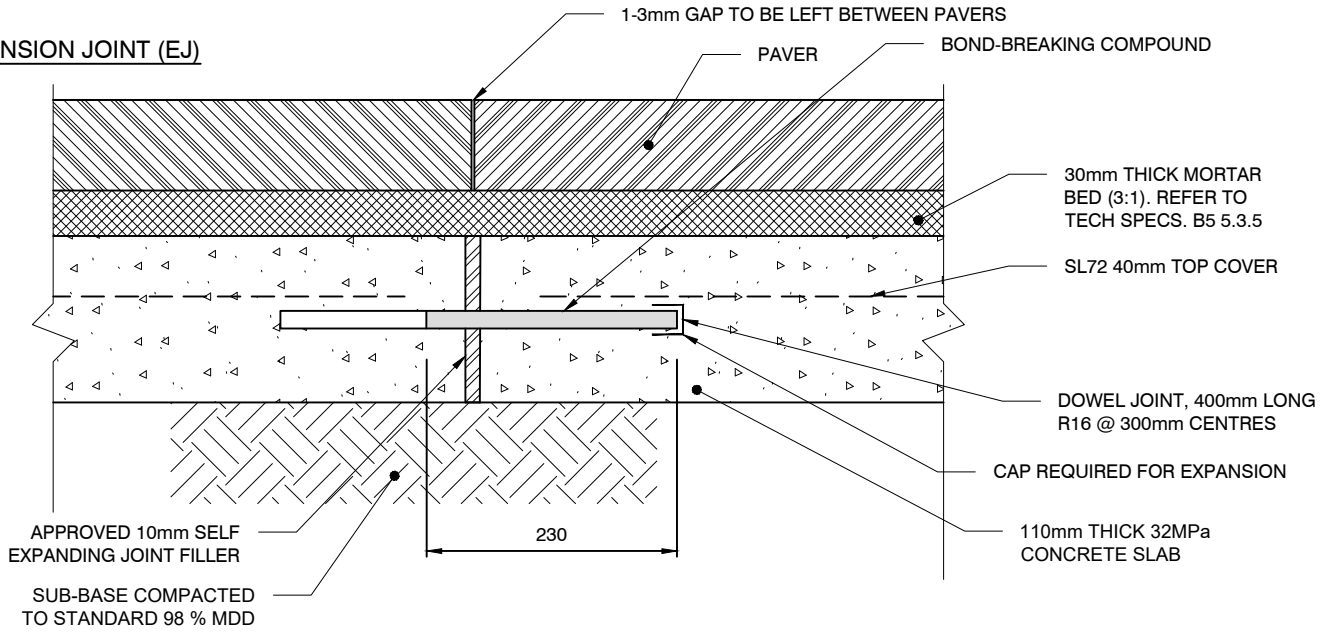
JUNCTIONS

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

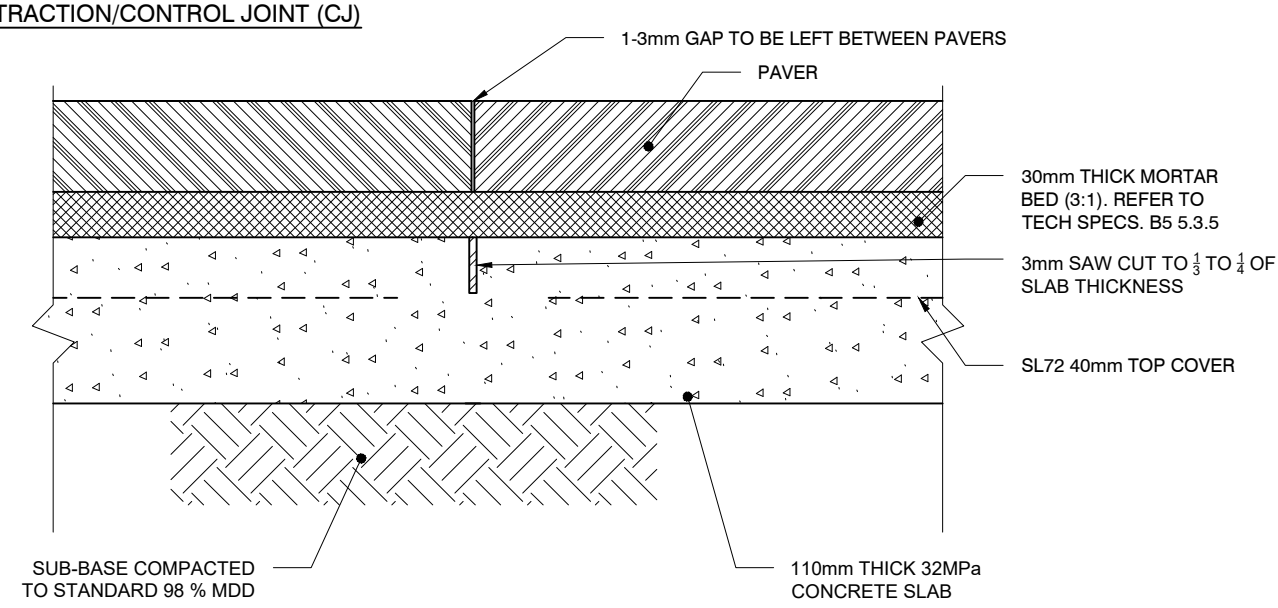
Dwg No. 2.3.4

EXPANSION JOINT (EJ)

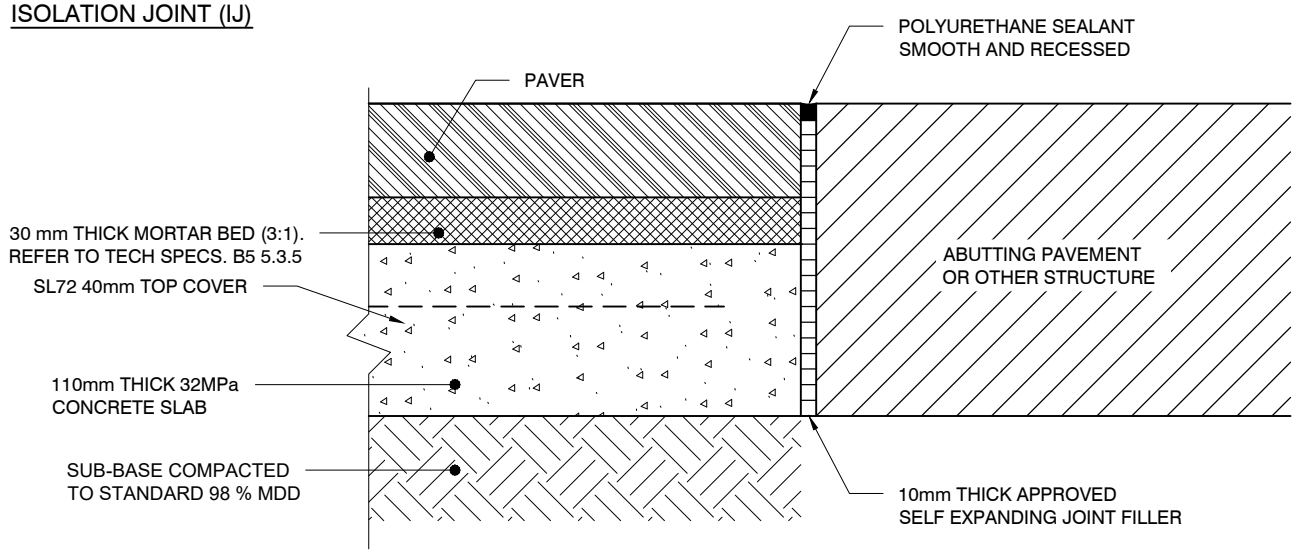


NOTE: BOND-BREAKING COMPONENT AND END CAP MAY BE REPLACED WITH A PURPOSE-MADE DOWEL SLEEVE.

CONTRACTION/CONTROL JOINT (CJ)



ISOLATION JOINT (IJ)



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

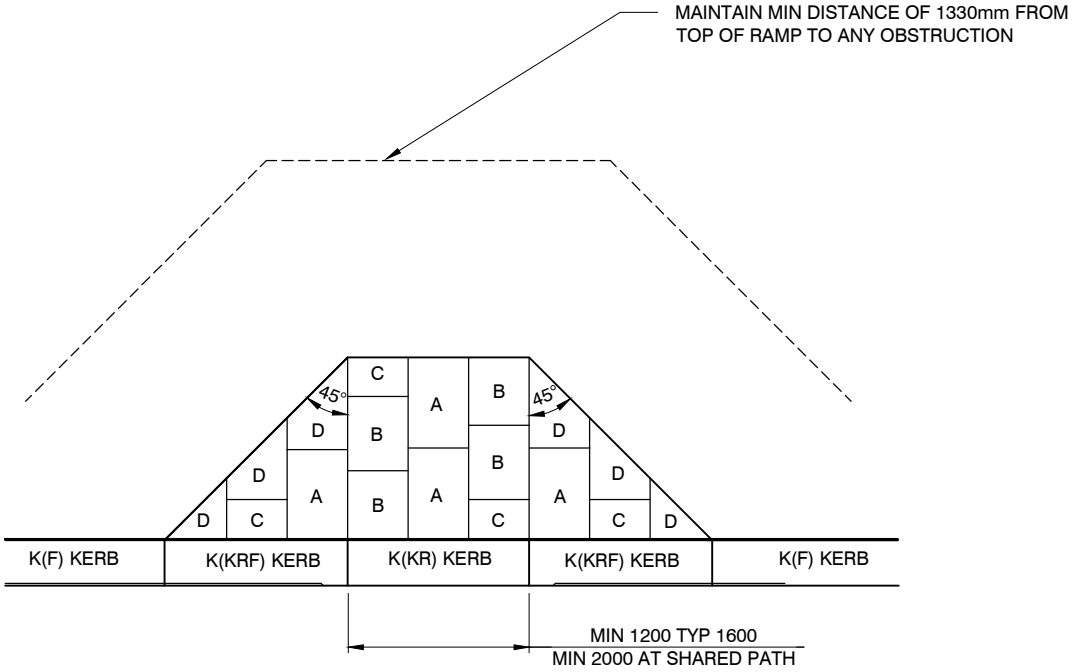
CONCRETE UNIT PAVING

JOINTS

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.3.5



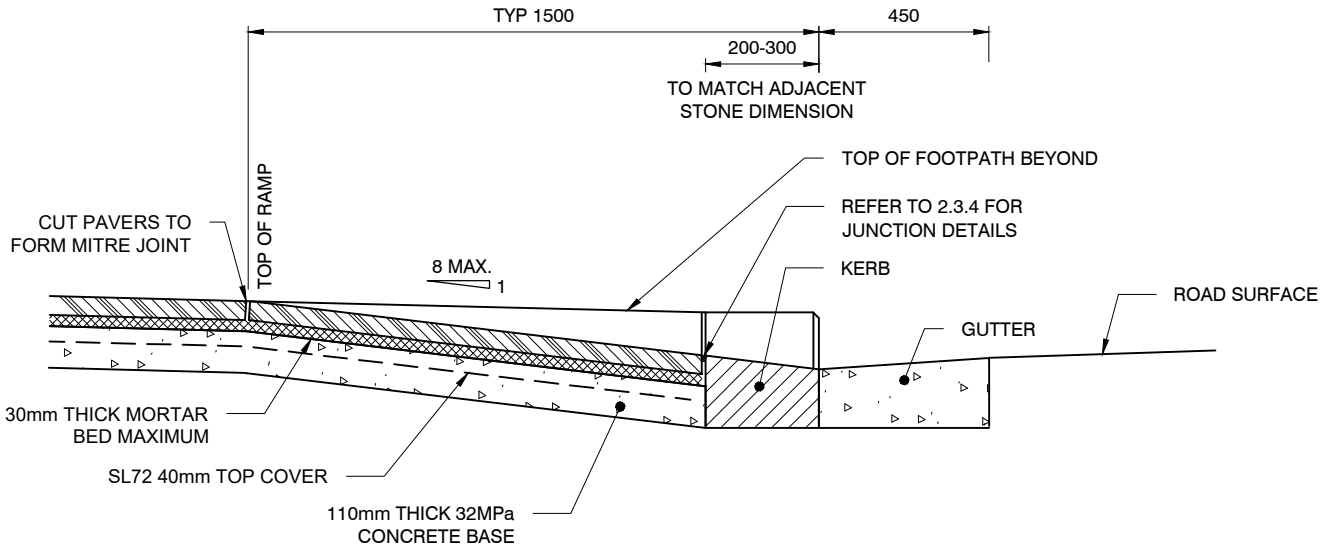
PAVER SIZES

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

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

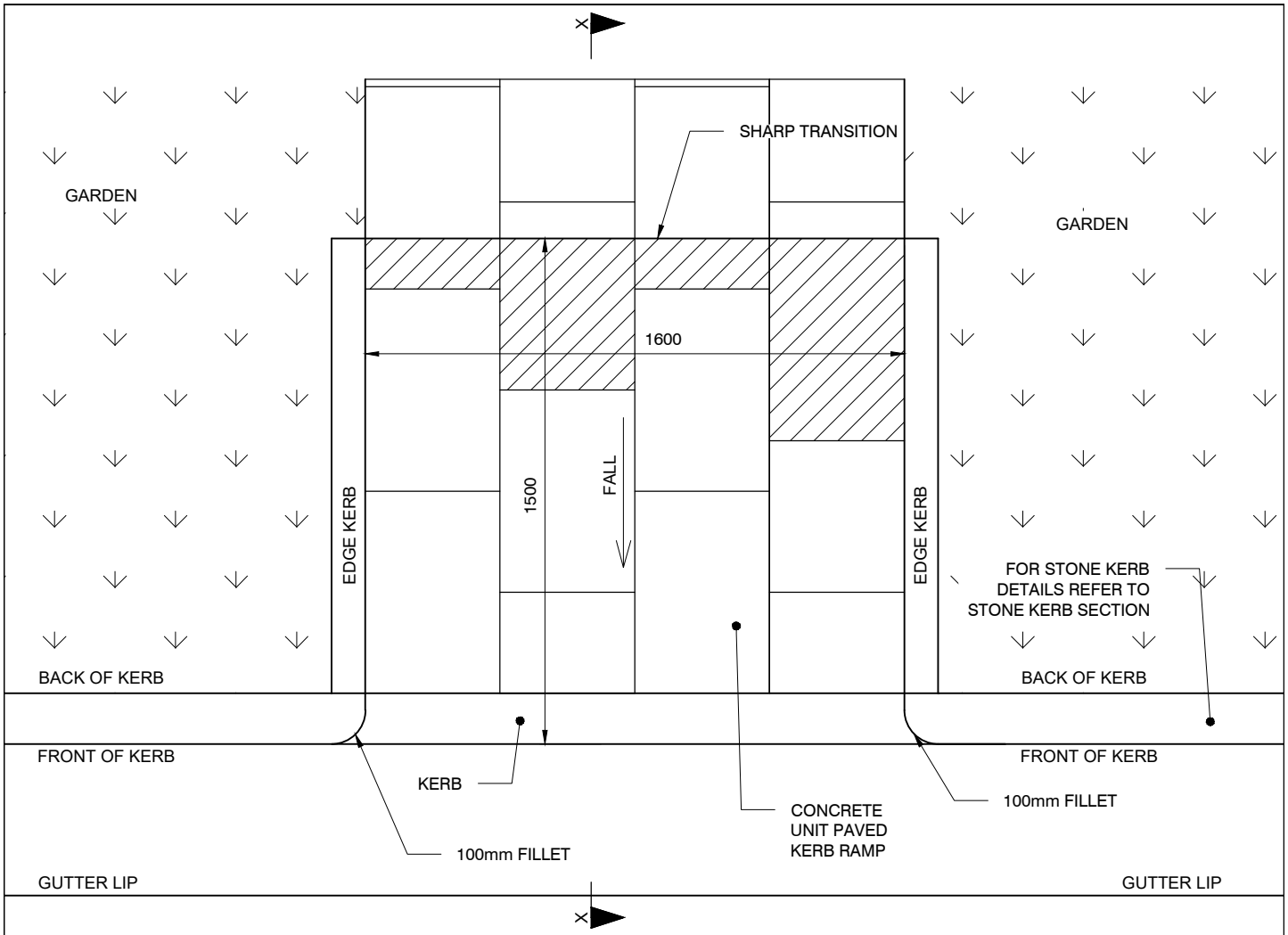
CONCRETE UNIT PAVING

PEDESTRIAN RAMP (TYPICAL)

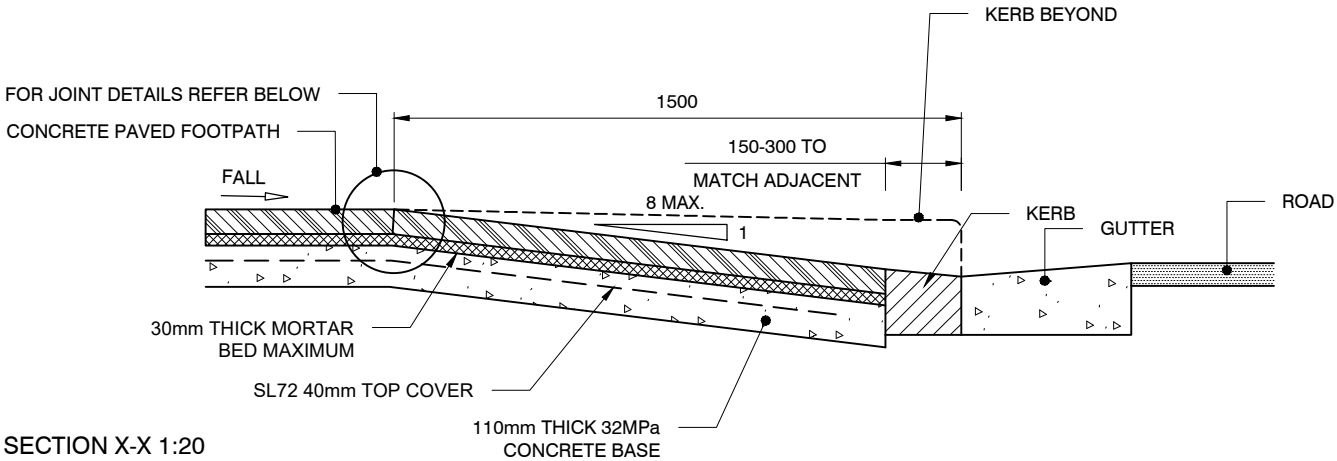
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

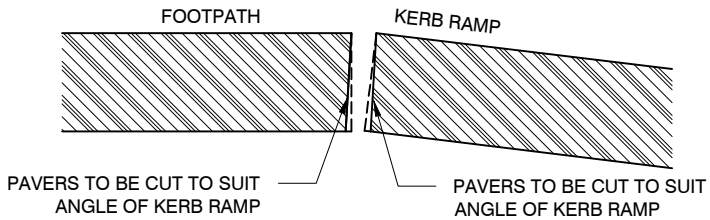
Dwg No. 2.3.6



PLAN 1:20



SECTION X-X 1:20



DETAIL 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

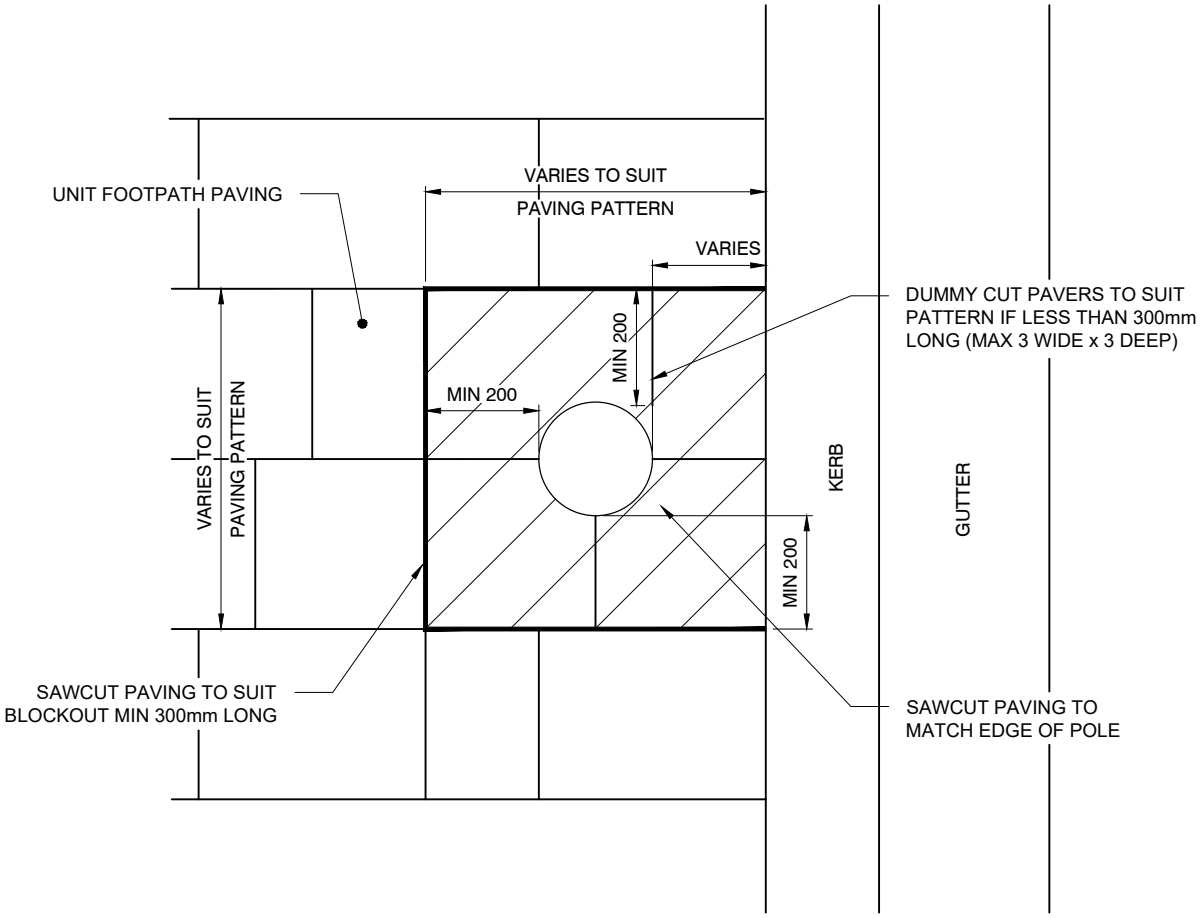
CONCRETE UNIT PAVING

PEDESTRIAN RAMP (ADJACENT GARDEN)

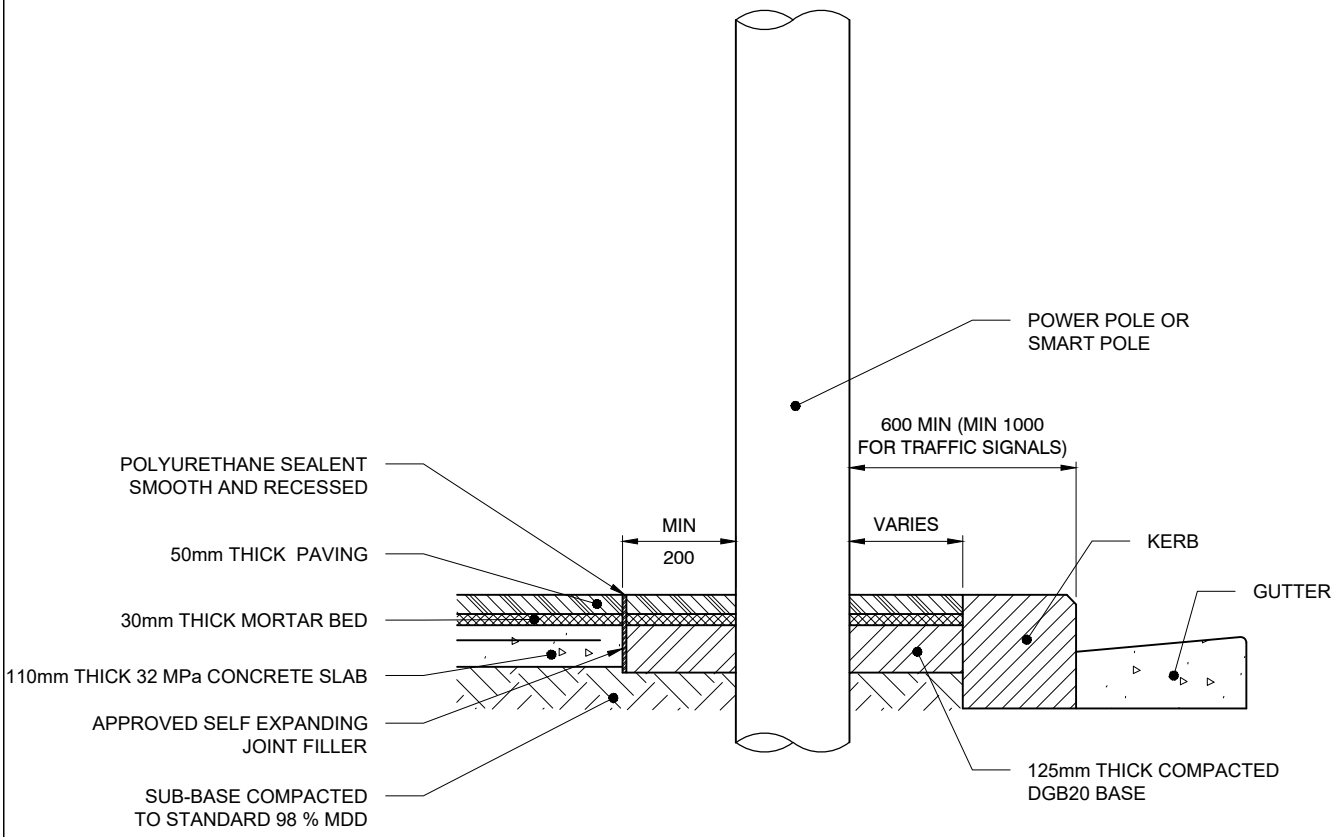
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.3.7



PLAN 1:20



SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

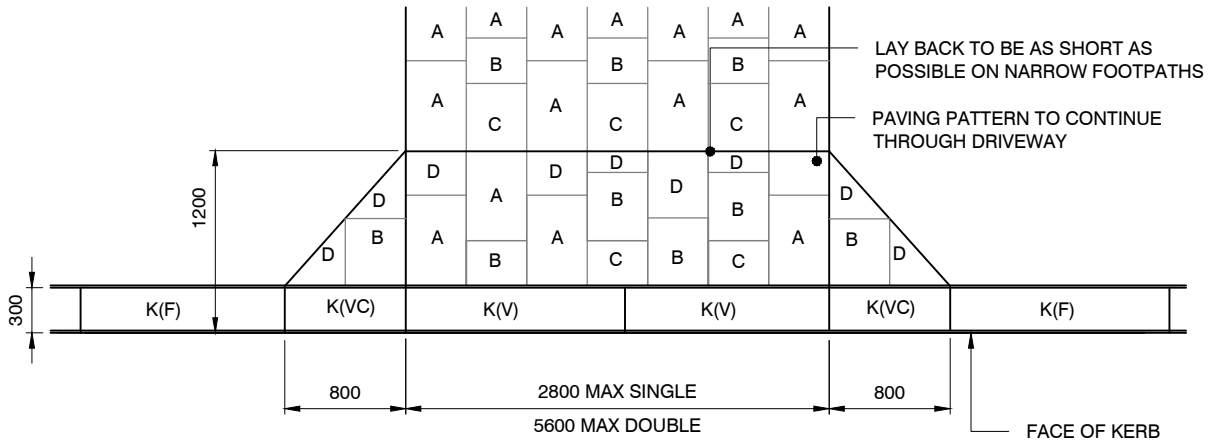
CONCRETE UNIT PAVING

PAVING AROUND LIGHT POLES AND SMART POLES

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.3.8



PAVER SIZES

TYPE A:	600 x 400 x 60mm
TYPE B:	450 x 400 x 60mm
TYPE C:	300 x 400 x 60mm
TYPE D:	SPECIAL CUT

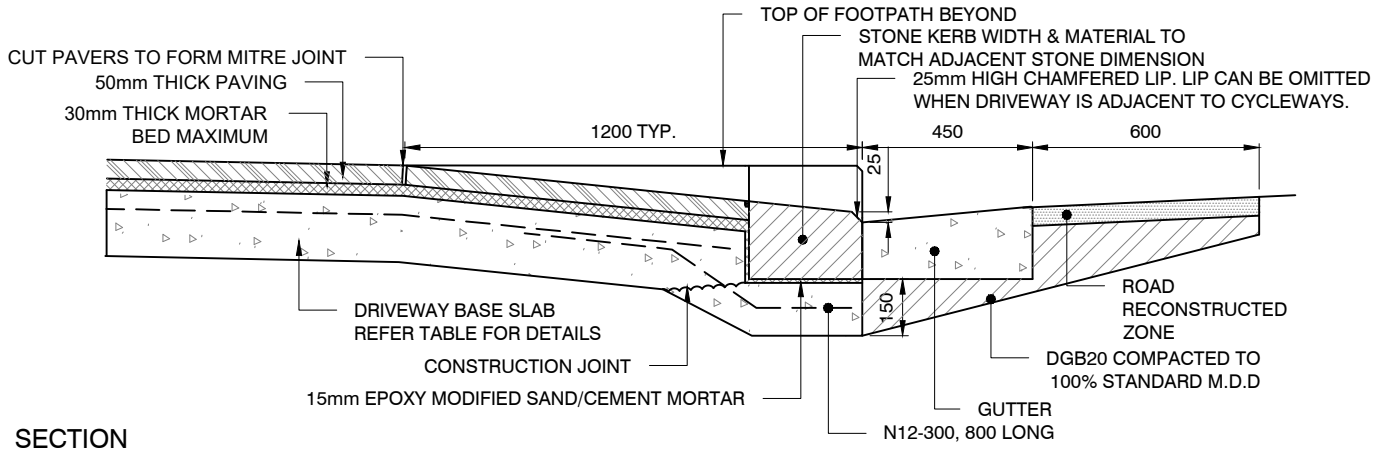
KERB TYPES:

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

NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1.
3. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARANCE.
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

PLAN
1:50



SECTION
1:20

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

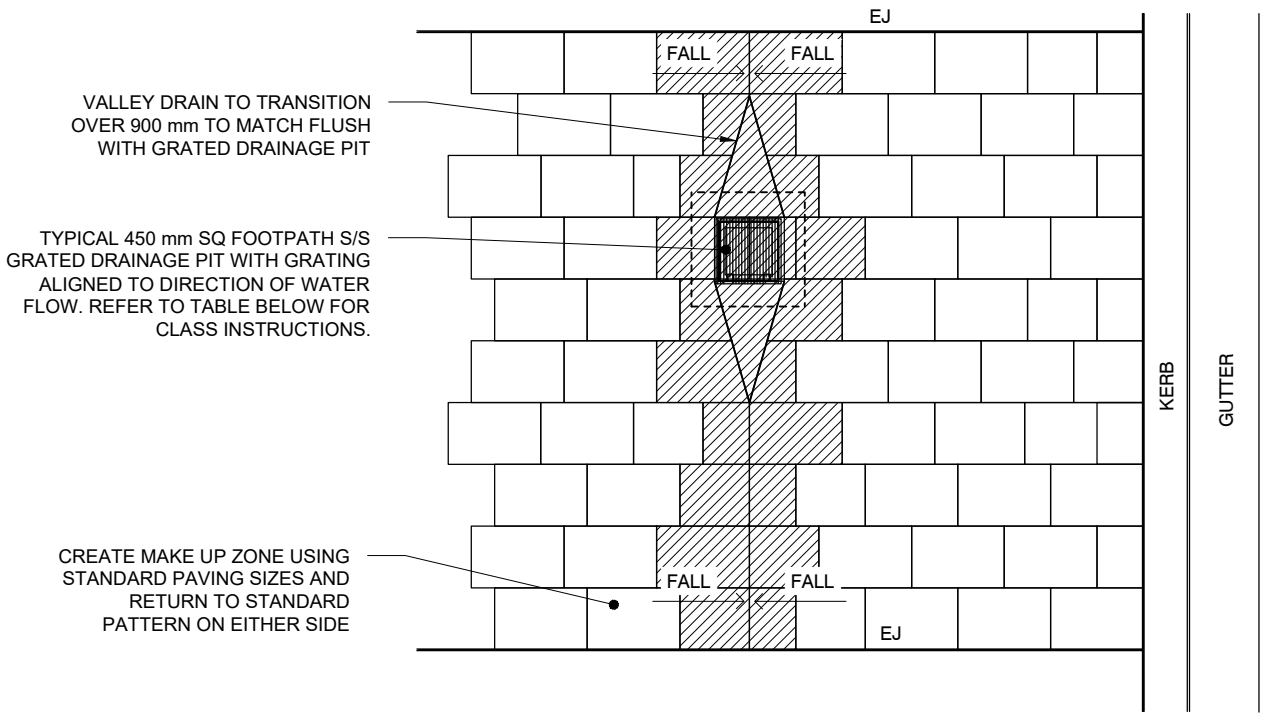
CONCRETE UNIT PAVING

VEHICULAR CROSSING

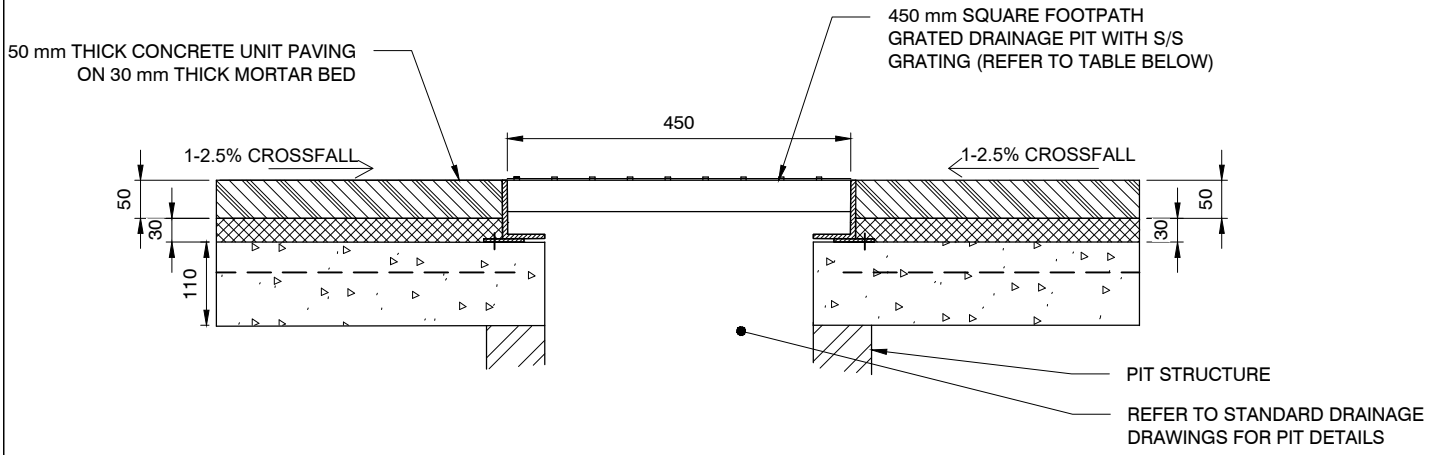
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.3.9



PLAN 1:50



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

NOTES:

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

SECTION 1:10

CITY OF SYDNEY

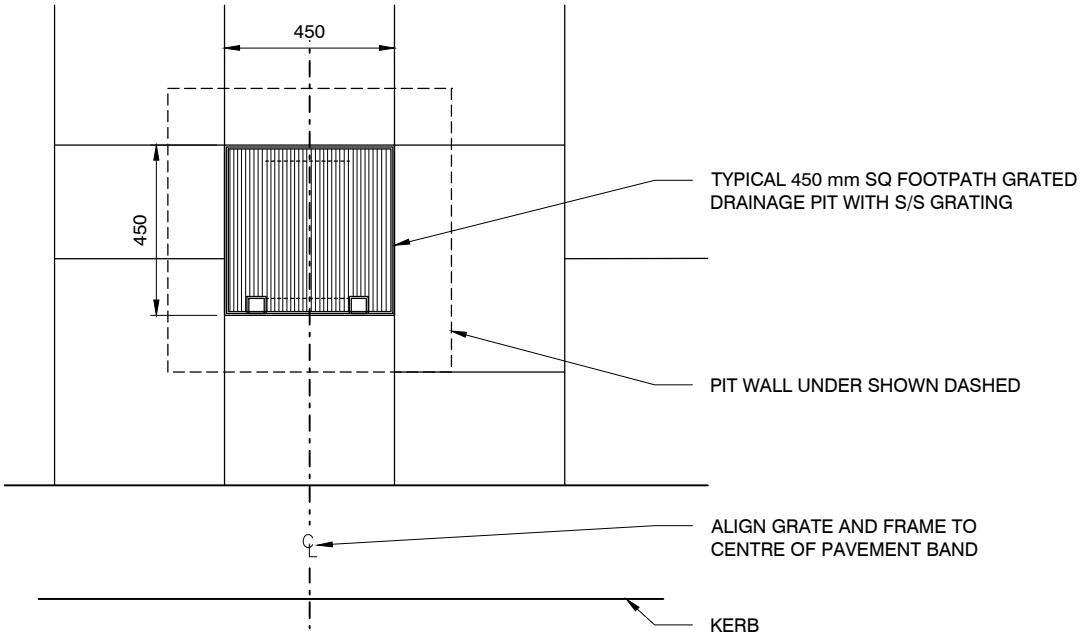
CONCRETE UNIT PAVING

STORMWATER VALLEY DRAIN

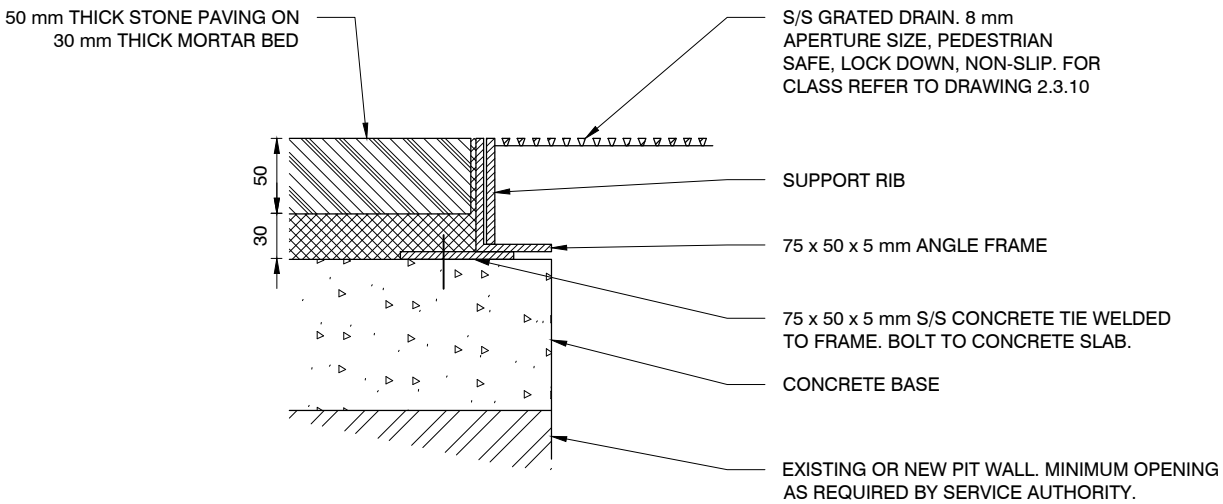
FOOTWAYS

Rev E
Date *16.11.22*
Approved S A

Dwg No. 2.3.10



PLAN 1:20



SECTION 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

CONCRETE UNIT PAVING

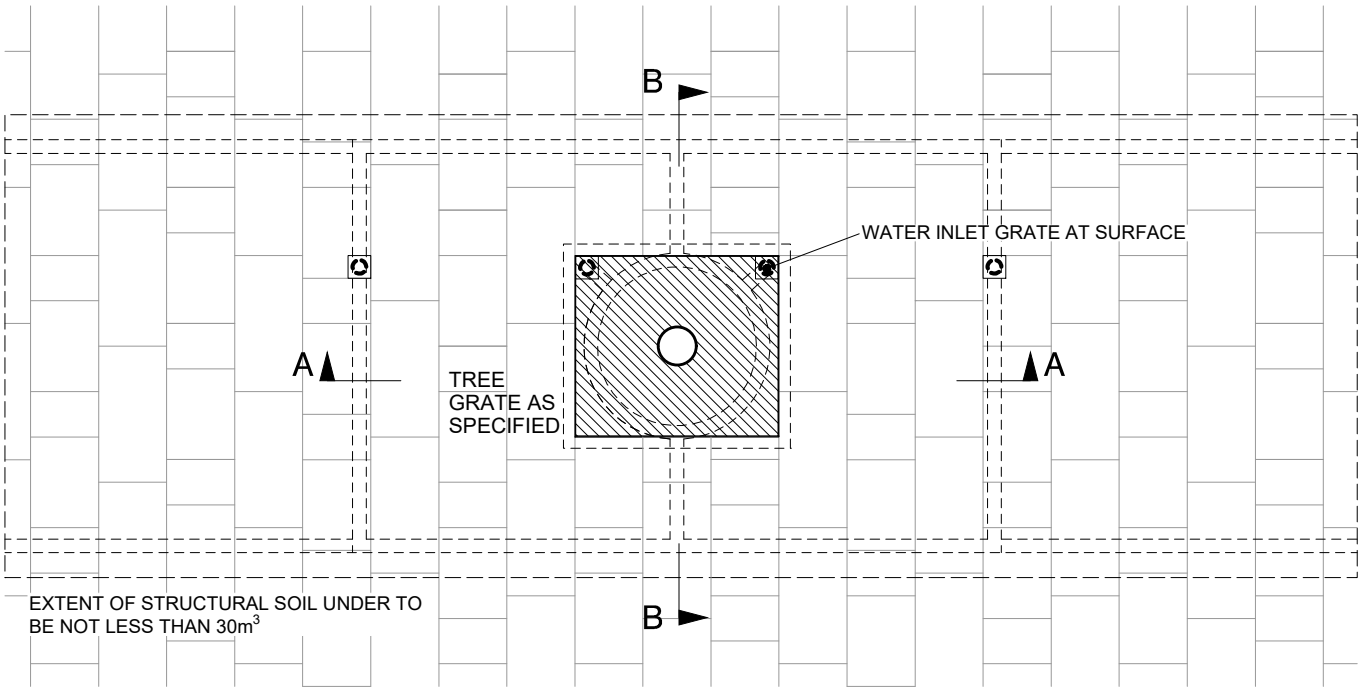
STAINLESS STEEL GRATING TO DRAINAGE PIT

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

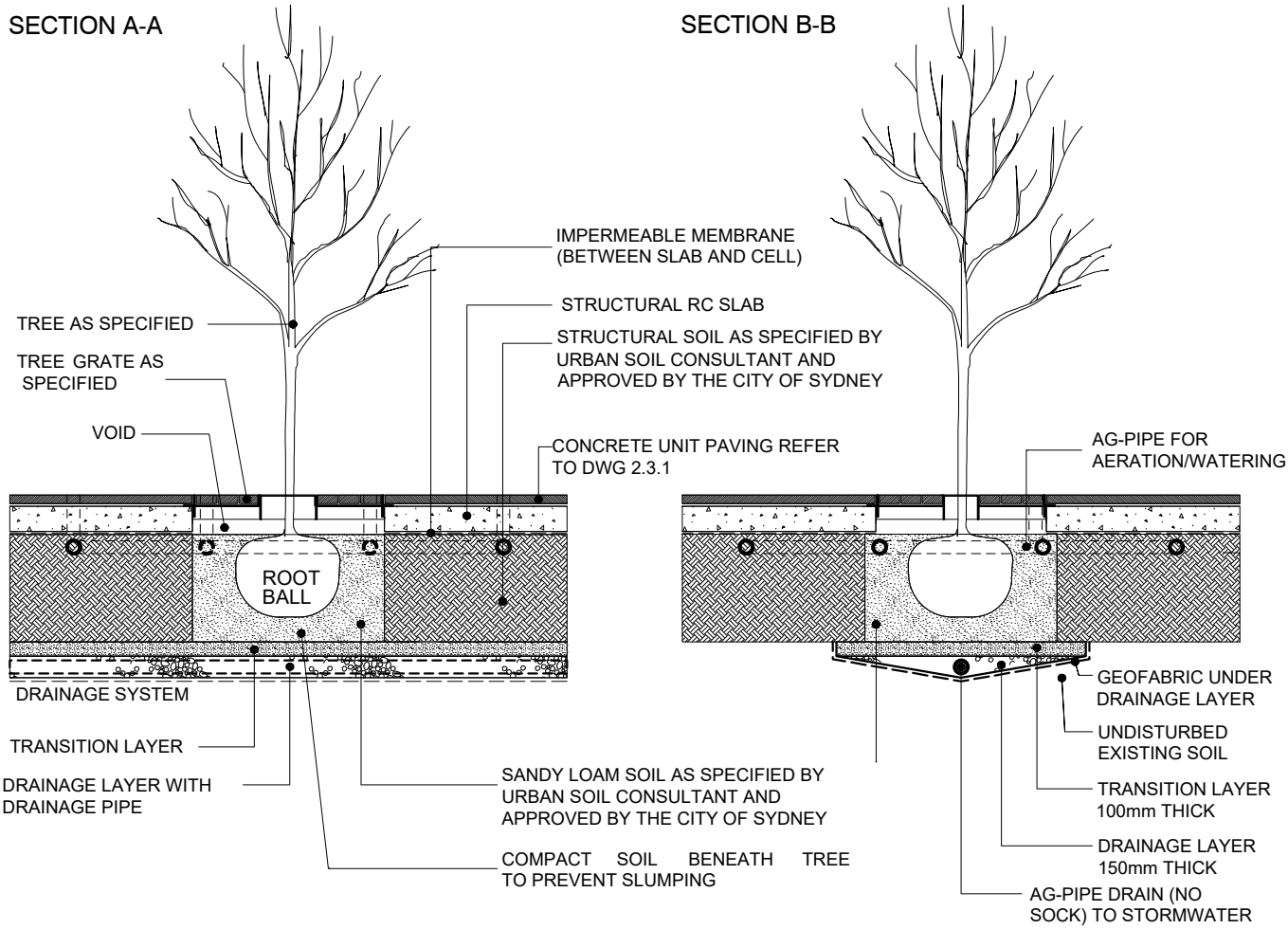
Dwg No. 2.3.11

PLAN



SECTION A-A

SECTION B-B



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

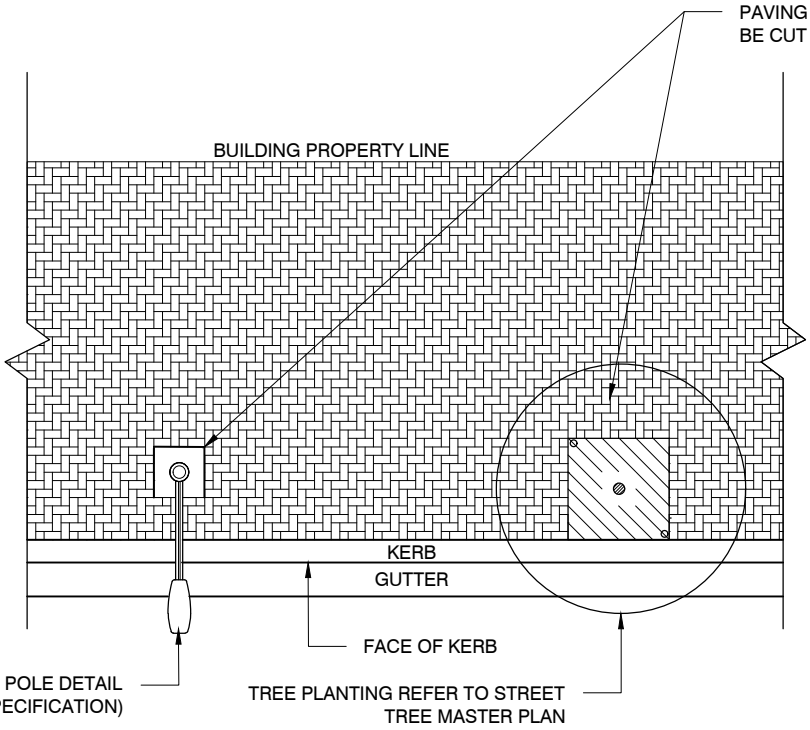
CONCRETE UNIT PAVING

TREE PIT ARRANGEMENT

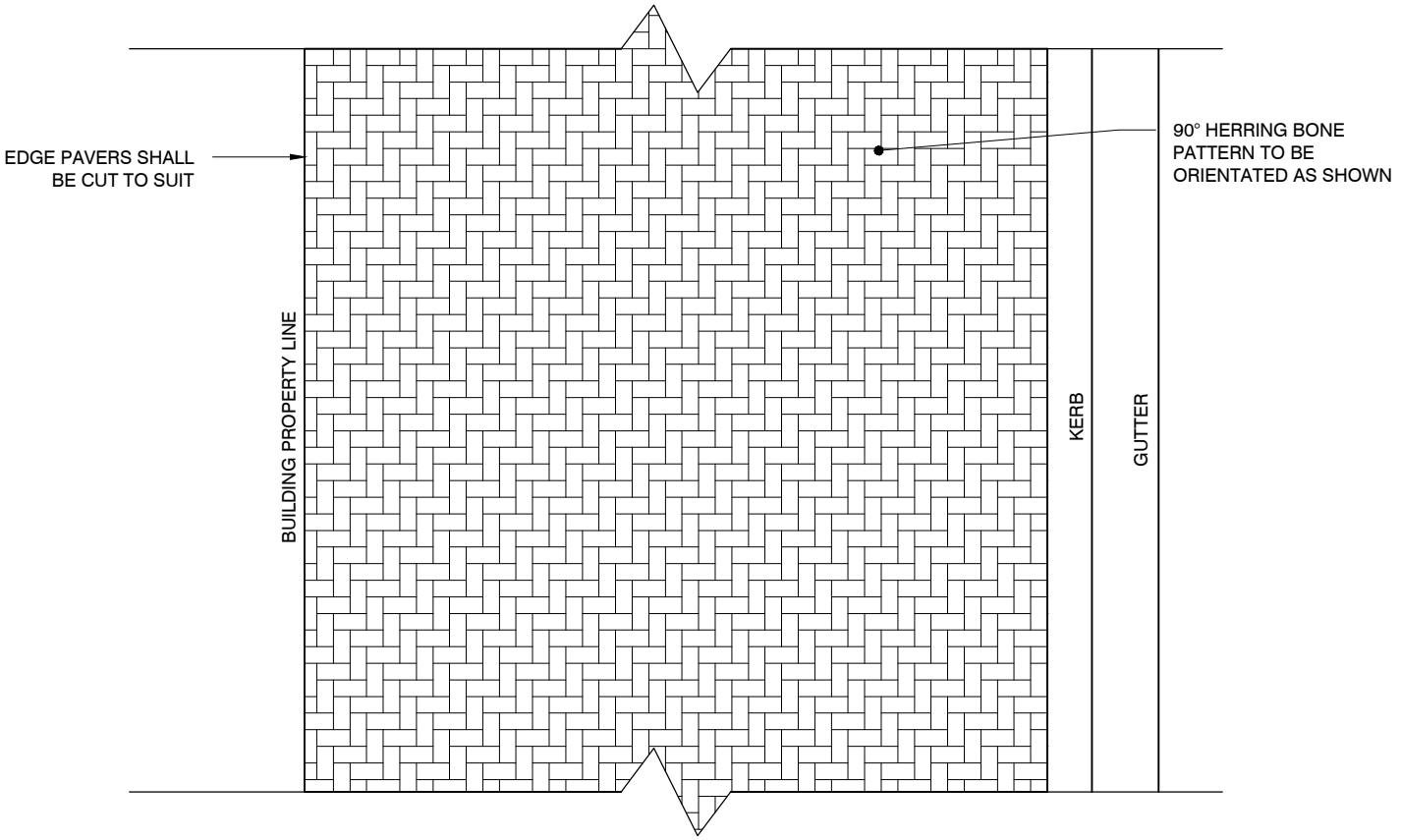
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.3.12



PLAN 1:100



TYPICAL PAVING MODULE 1:50

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

BRICK PAVING

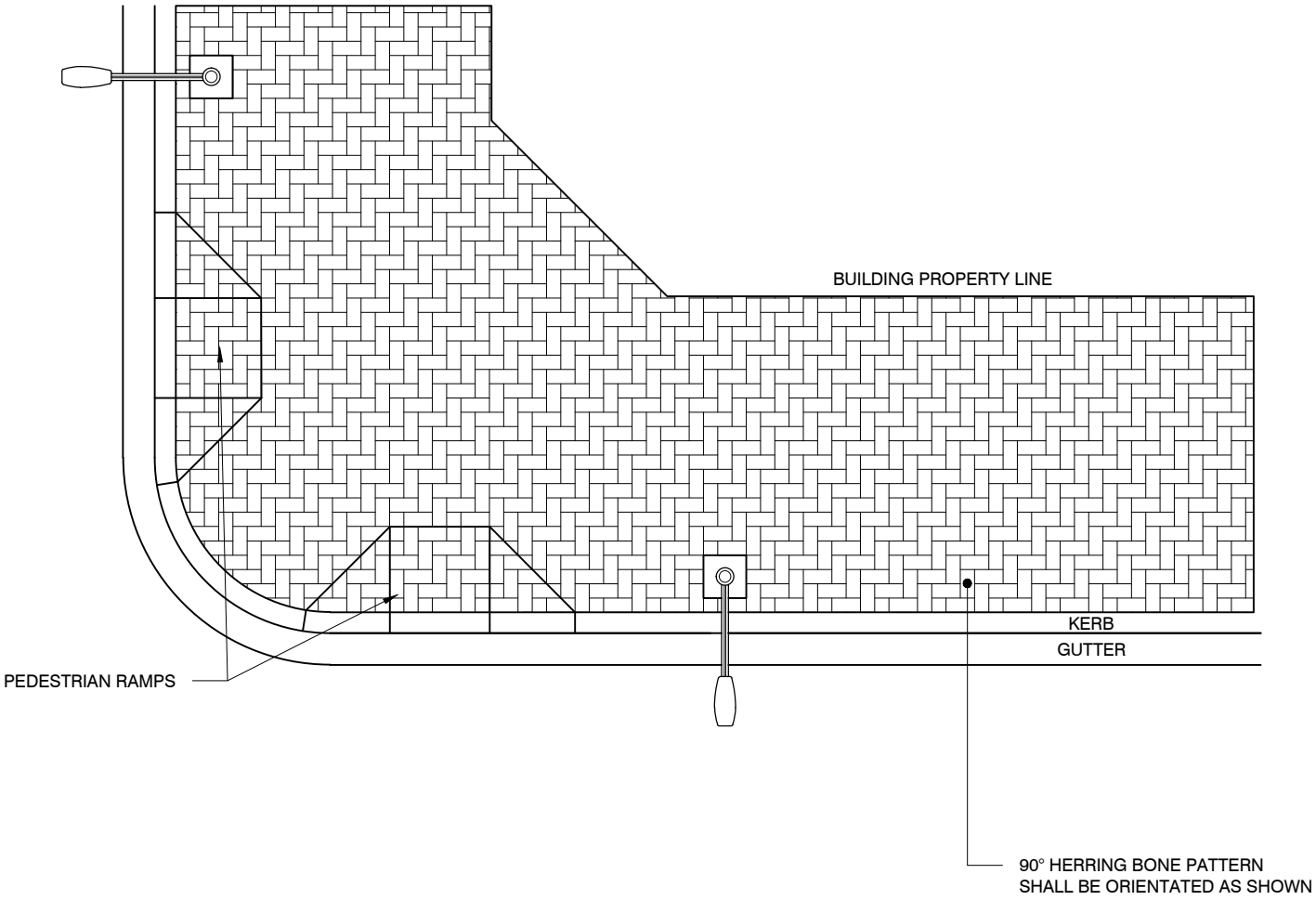
GENERAL ARRANGEMENT PLAN

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.4.1

BRICK PAVING CORNER ARRANGEMENT PLAN



PLAN 1:100

NOTES:

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

CITY OF SYDNEY

BRICK PAVING

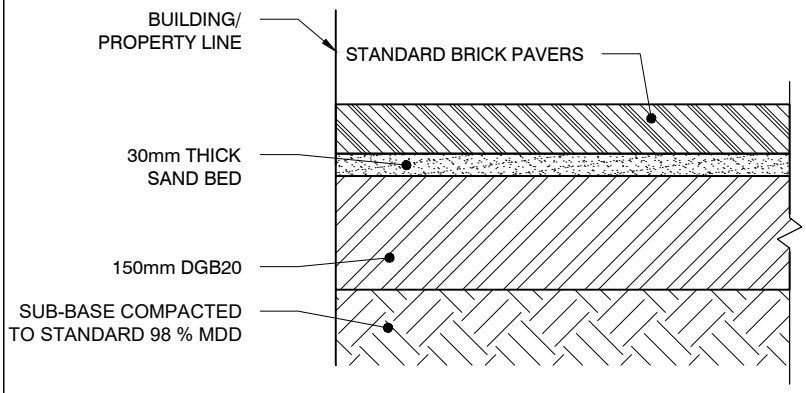
CORNER ARRANGEMENT PLAN (TYPICAL)

FOOTWAYS

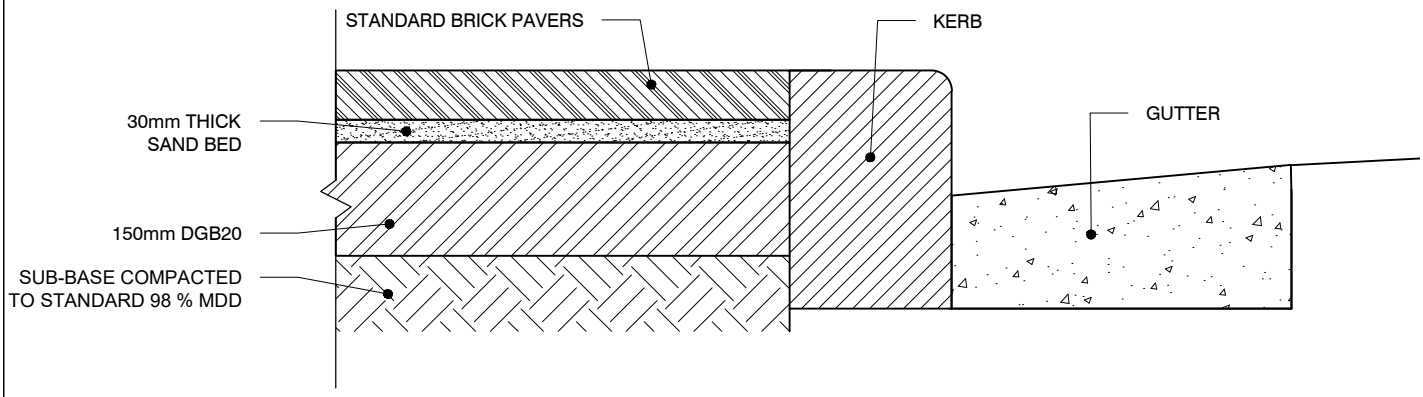
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.4.2

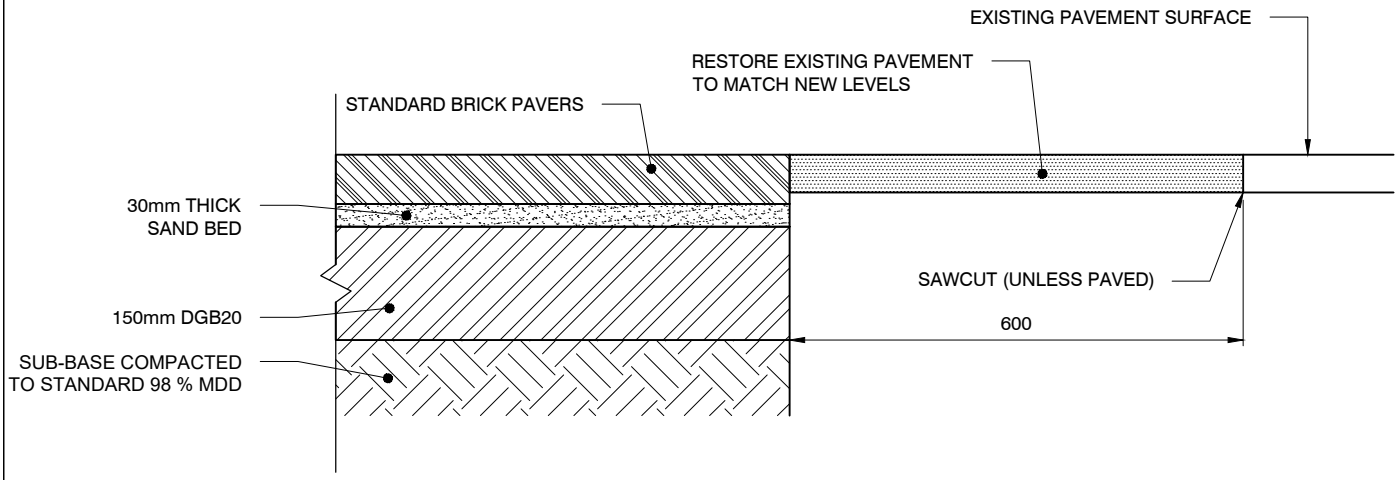
JUNCTION WITH BUILDING



JUNCTION WITH BACK OF KERB



JUNCTION WITH EXISTING PAVEMENT



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

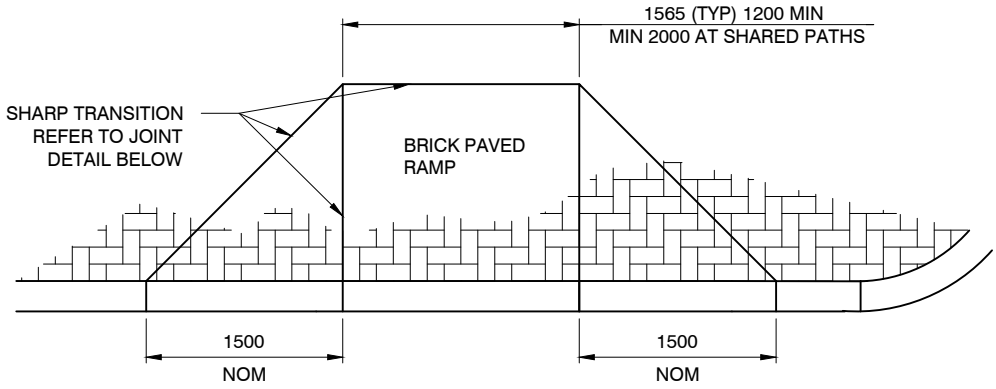
BRICK PAVING

JUNCTIONS

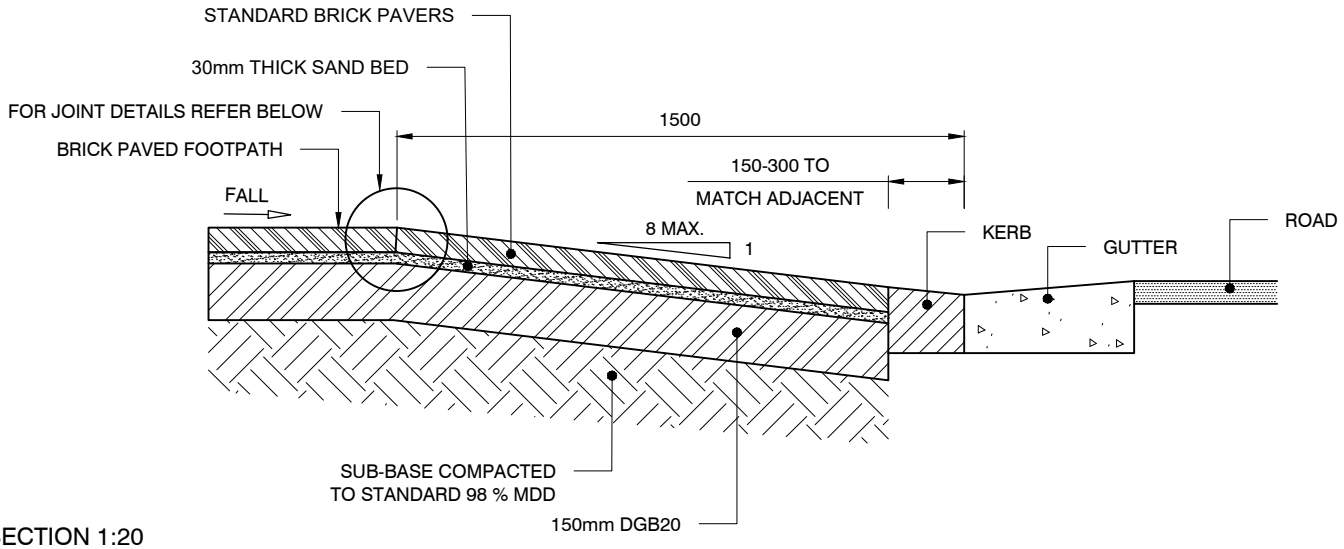
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

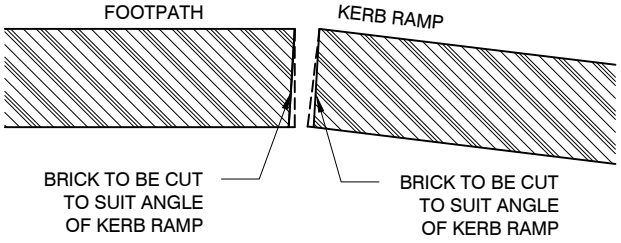
Dwg No. 2.4.3



PLAN 1:50



SECTION 1:20



DETAIL 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

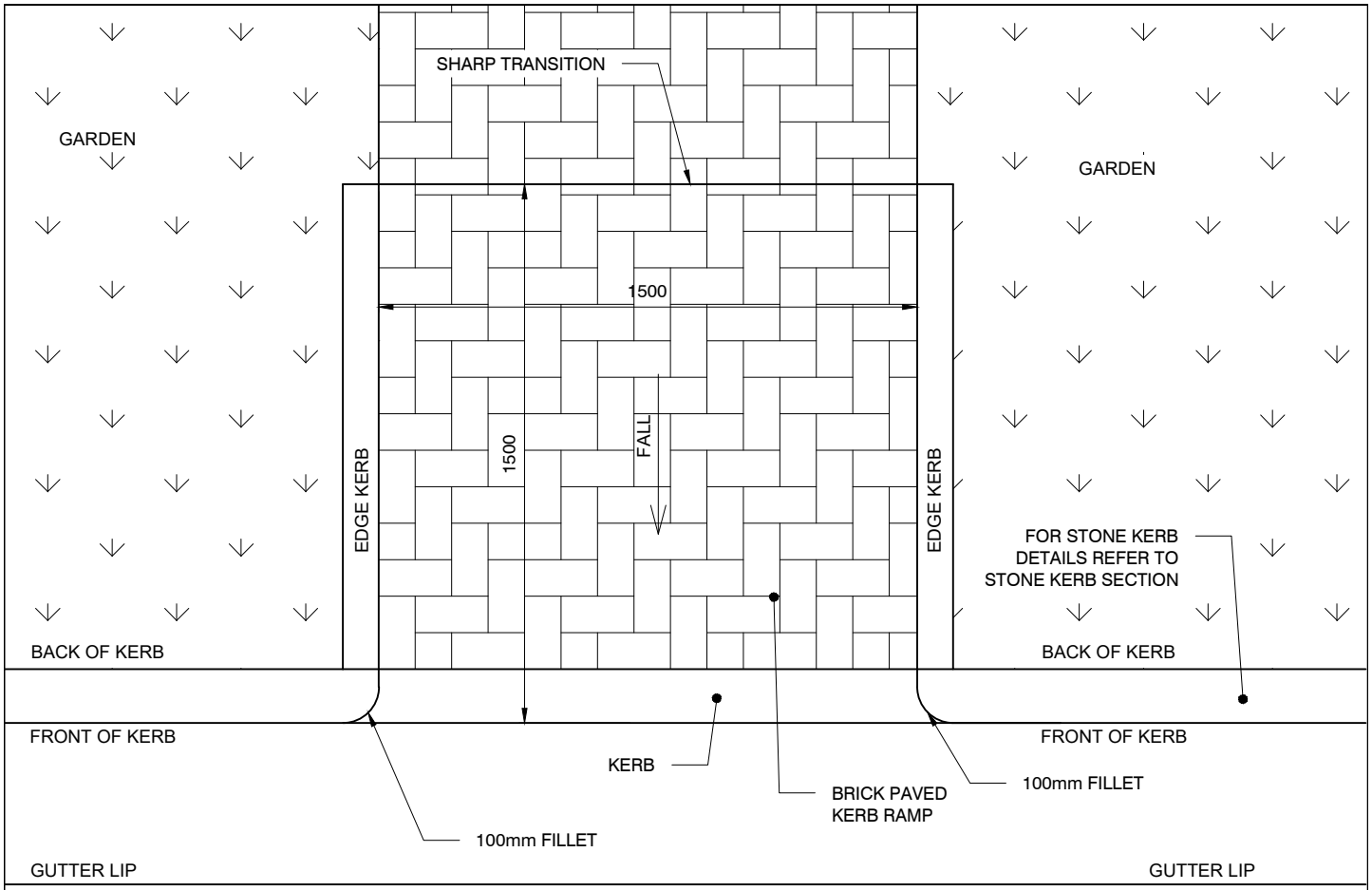
BRICK PAVING

PEDESTRIAN RAMP (TYPICAL)

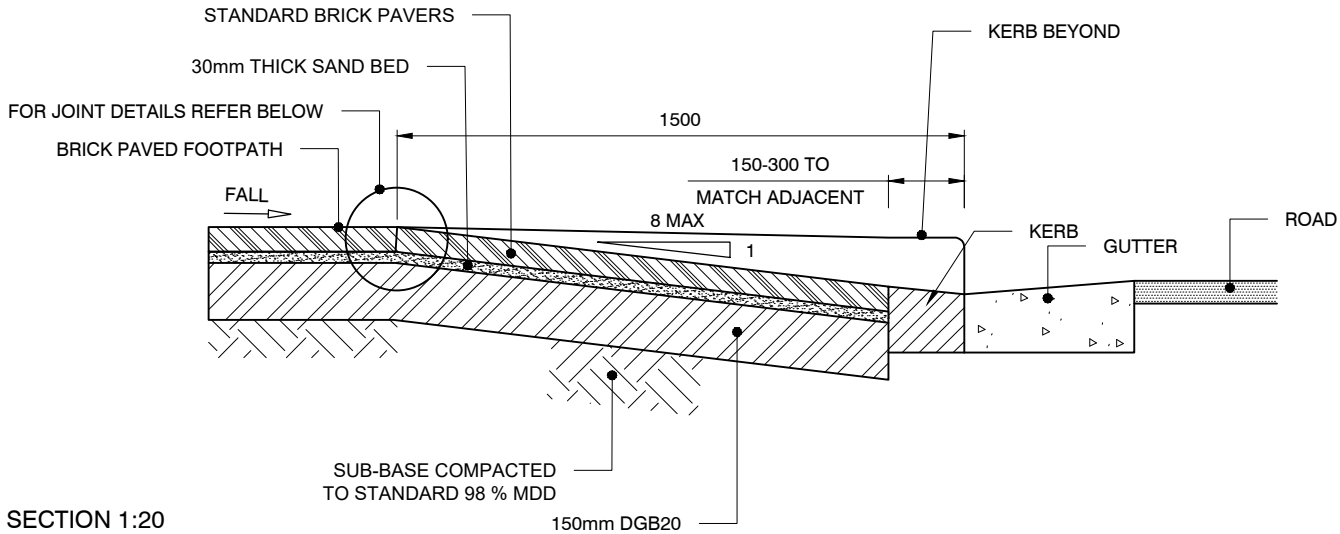
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

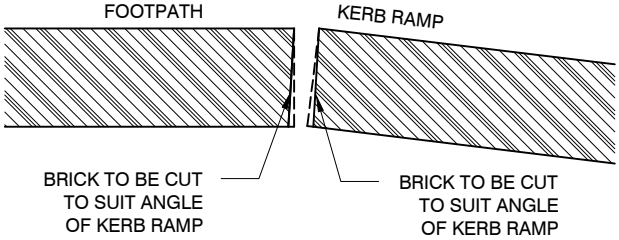
Dwg No. 2.4.4



PLAN 1:20



SECTION 1:20



DETAIL 1:5

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

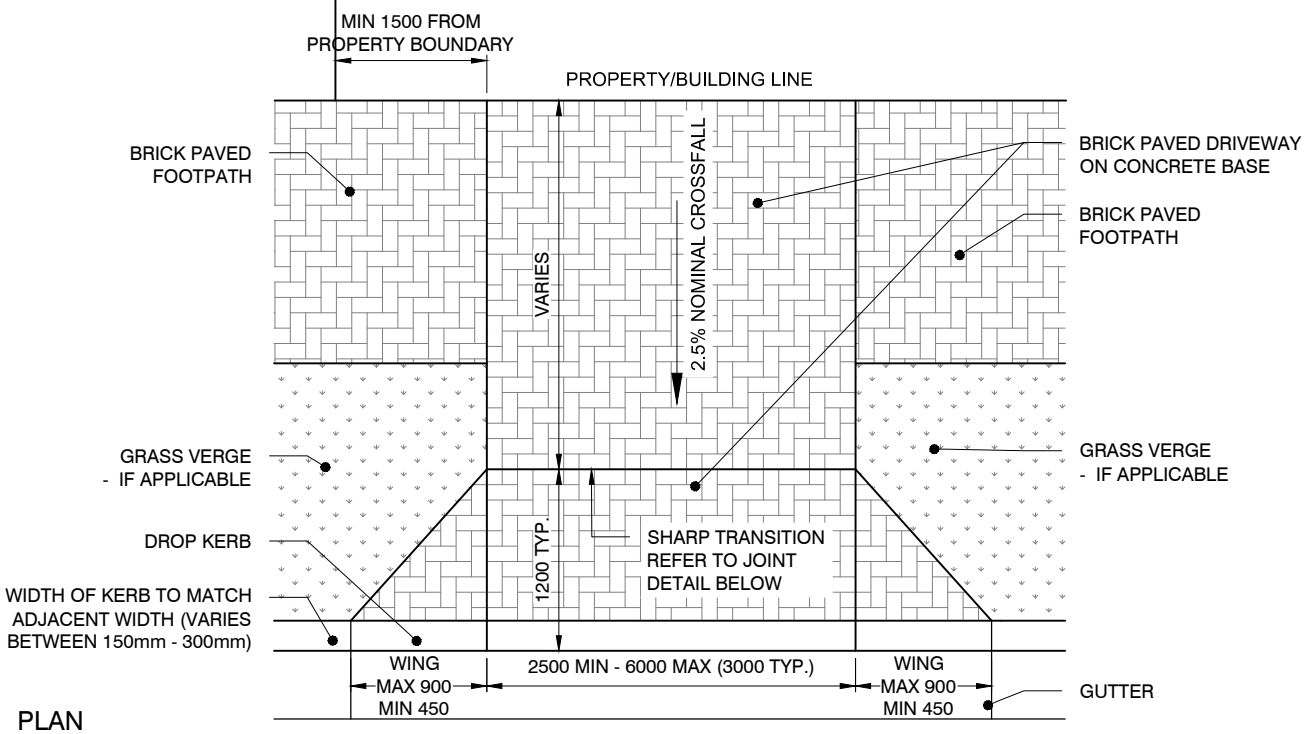
BRICK PAVING

PEDESTRIAN RAMP (ADJACENT GARDEN)

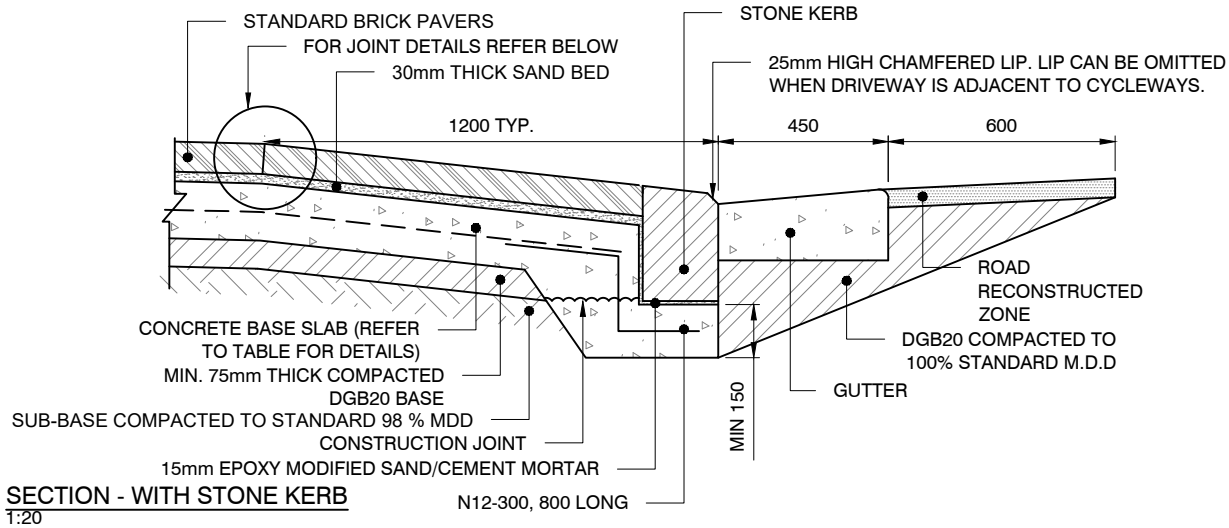
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

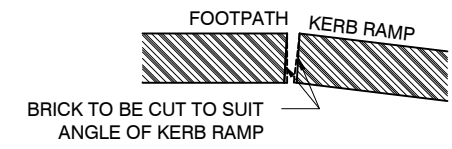
Dwg No. 2.4.5



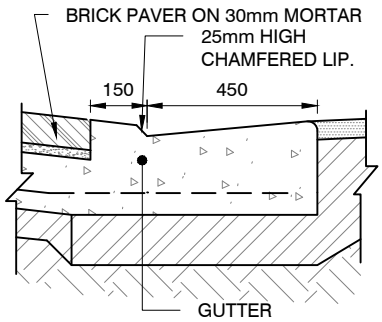
PLAN
1:50



SECTION - WITH STONE KERB
1:20



DETAIL 1:10



SECTION - WITH CONCRETE K&G
1:20

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

NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. ALL DRIVEWAY CROSSINGS TO INCLUDE REINFORCED CONCRETE SLAB.
3. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARNACE, OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
4. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
5. VERTICAL AND HORIZONTAL CLEARANCE OF THE VEHICULAR CROSSINGS SHALL BE CHECKED BY THE DESIGNER.
6. CONCRETE STRENGTH SHALL NOT BE LESS THAN F'c=32MPa.
7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

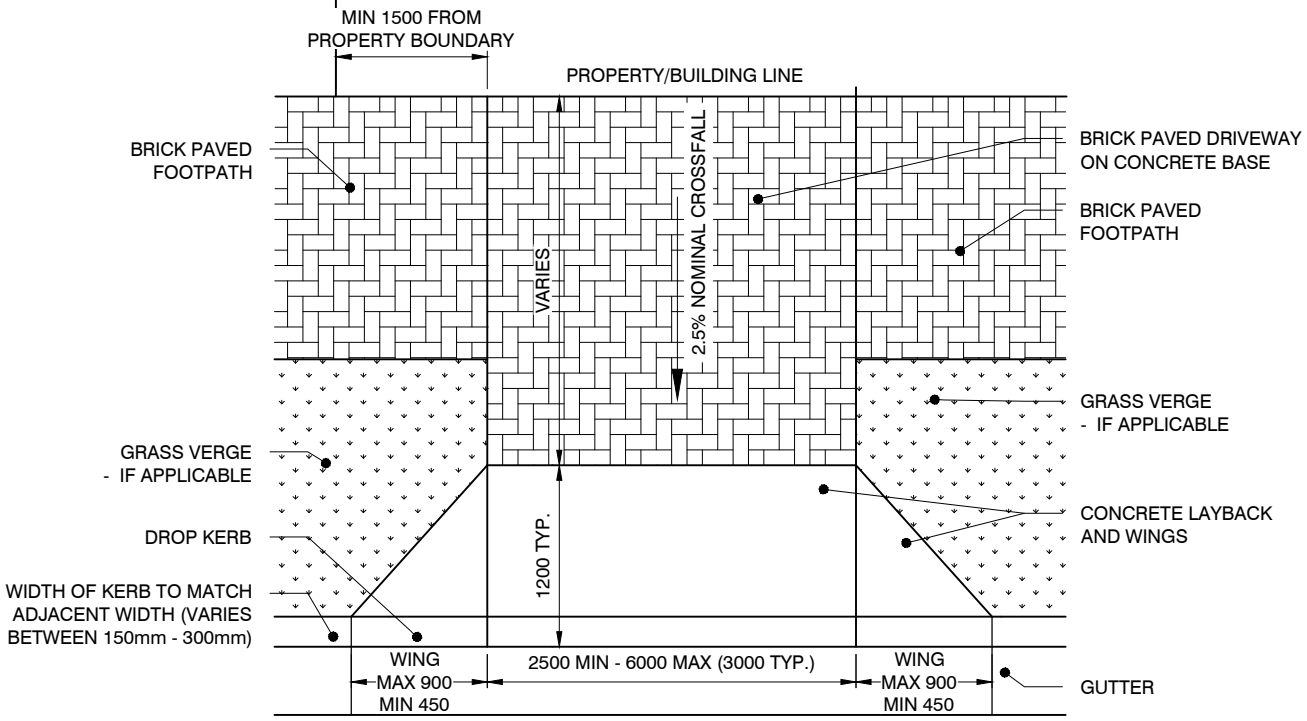
BRICK PAVING

RESIDENTIAL VEHICULAR CROSSING

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

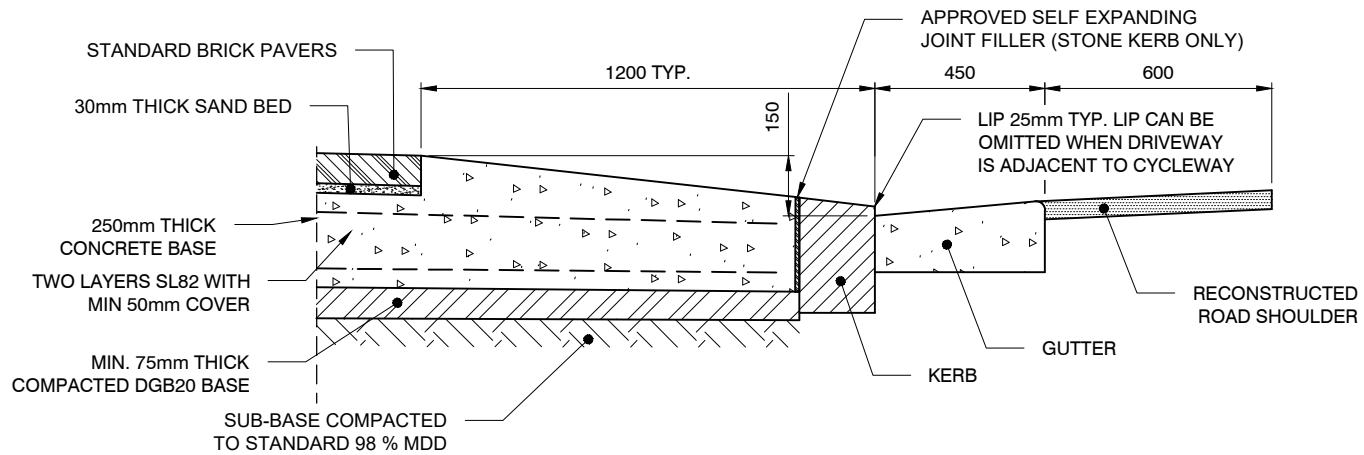
Dwg No. 2.4.6



PLAN 1:50

NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. FOR NARROW FOOTPATHS, LENGTH OF LAYBACK TO BE REDUCED TO 900mm SUBJECT TO VEHICLE CLEARANCE , OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
3. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
4. CONCRETE TO BE MINIMUM 32MPa.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION 1:20

CITY OF SYDNEY

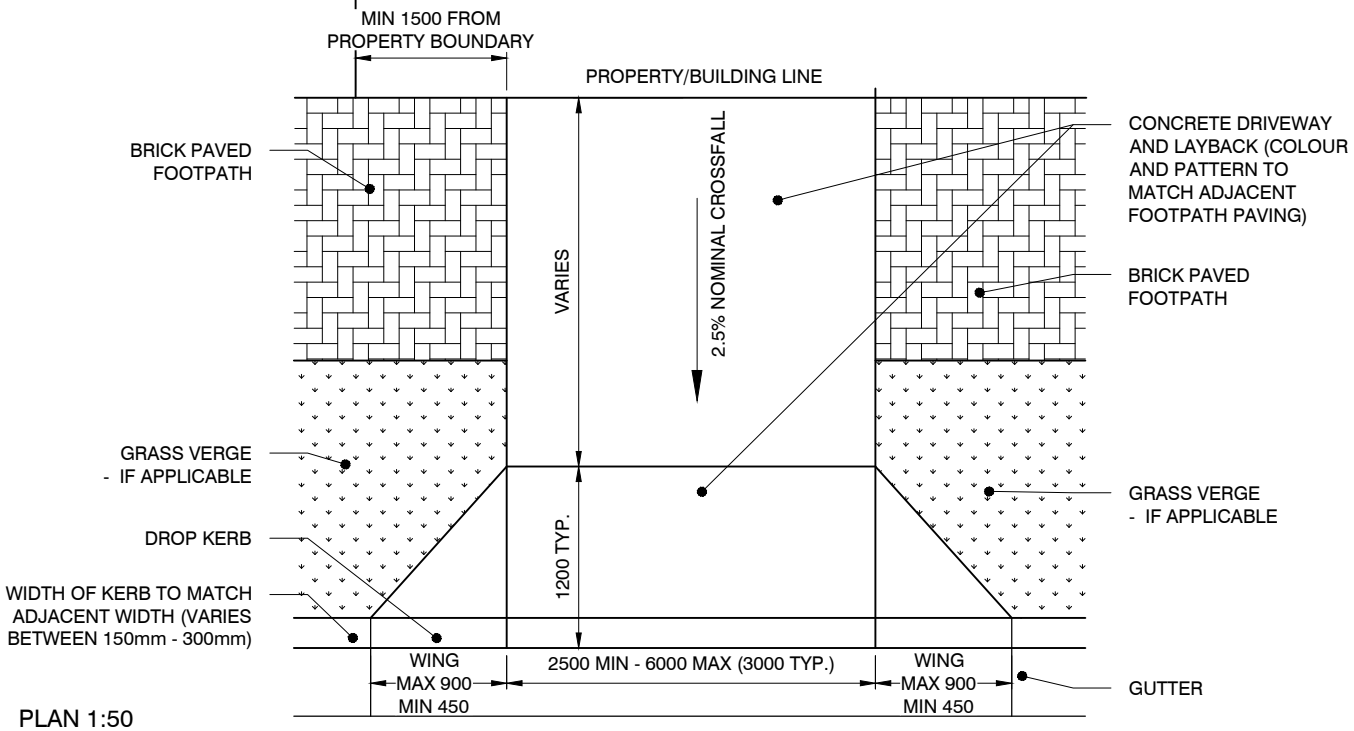
BRICK PAVING

COMMERCIAL (LIGHT) VEHICULAR CROSSING

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

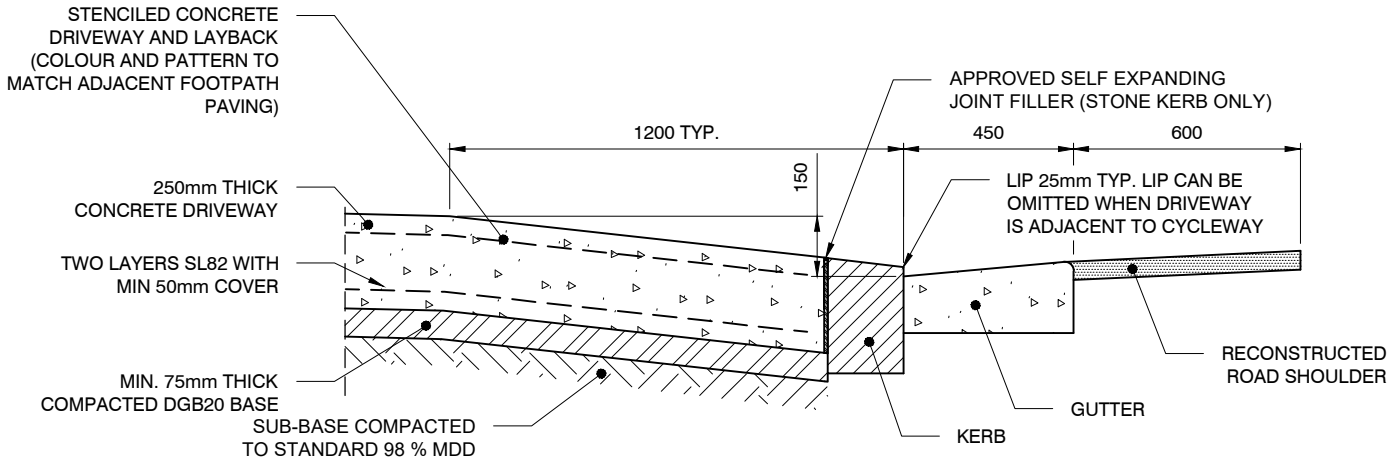
Dwg No. 2.4.7



PLAN 1:50

NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. FOR NARROW FOOTPATHS, LENGTH OF LAYBACK TO BE REDUCED TO 900mm, SUBJECT TO VEHICLE CLREARE OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
3. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
4. CONCRETE TO BE MINIMUM 32MPA.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION 1:20

CITY OF SYDNEY

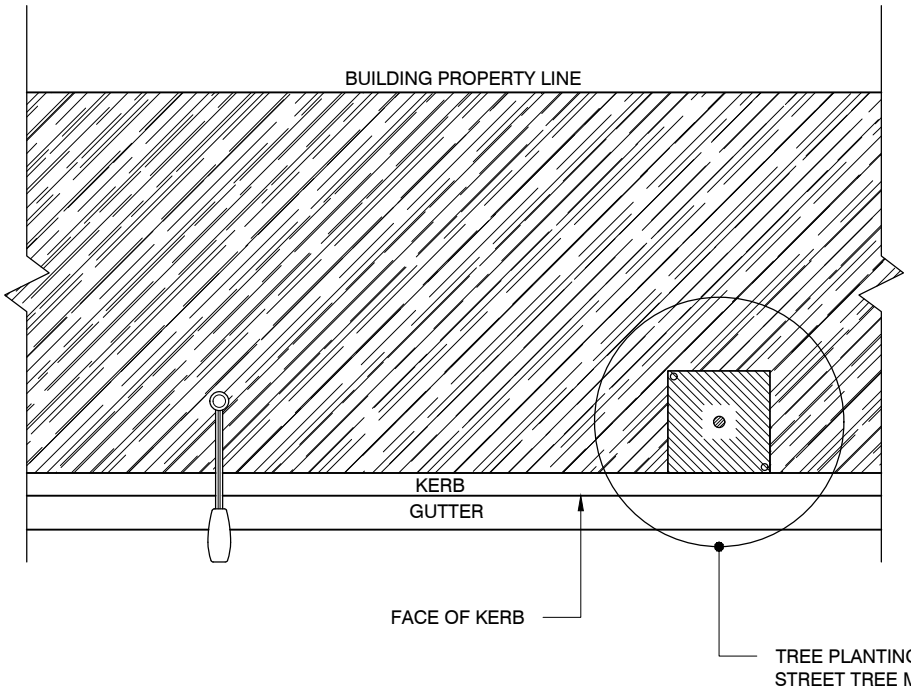
BRICK PAVING

COMMERCIAL/INDUSTRIAL VEHICULAR CROSSING

FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.4.8



PLAN 1:100

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

ASPHALT PAVING

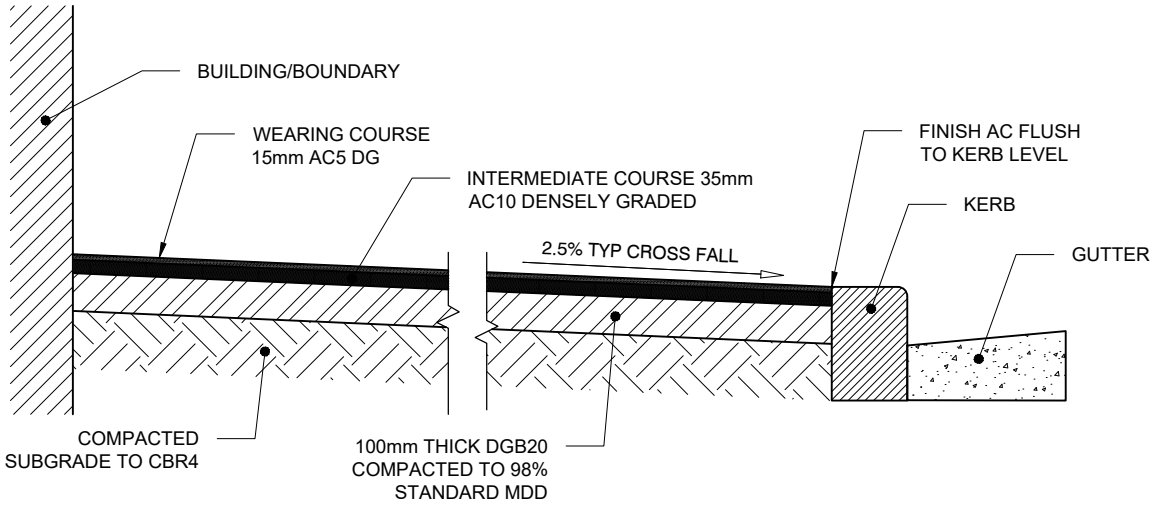
GENERAL ARRANGEMENT PLAN

FOOTWAYS

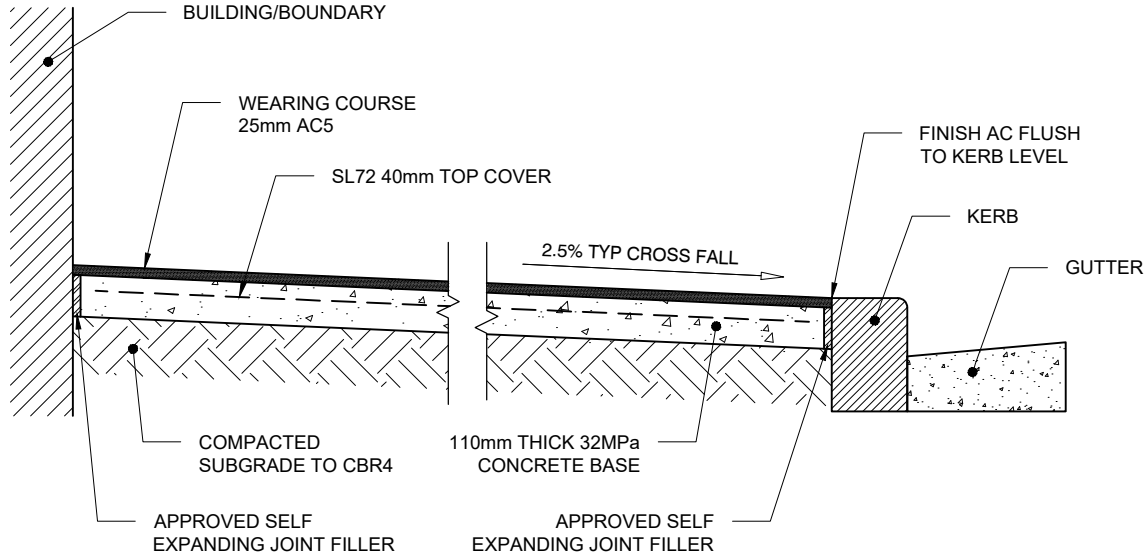
Rev	D
Date	*01.12.19*
Approved	P S

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

CITY OF SYDNEY

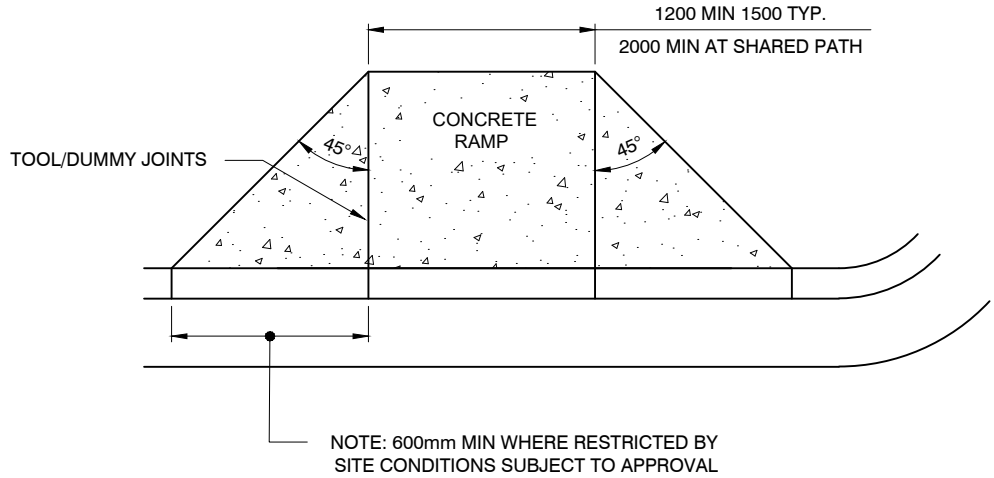
ASPHALT PAVING

TYPICAL SECTIONS

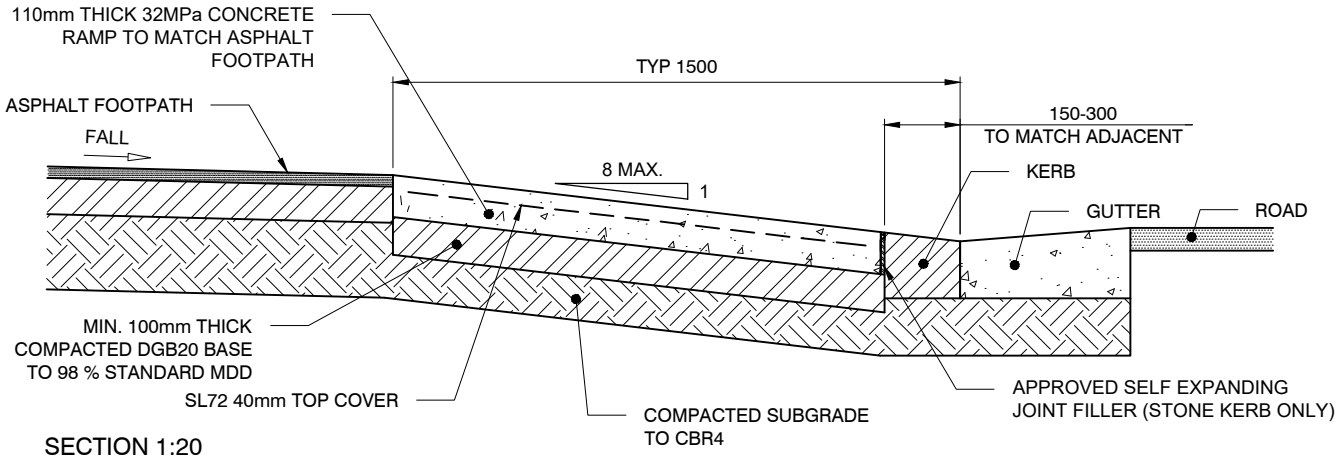
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.5.2



PLAN 1:50



SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

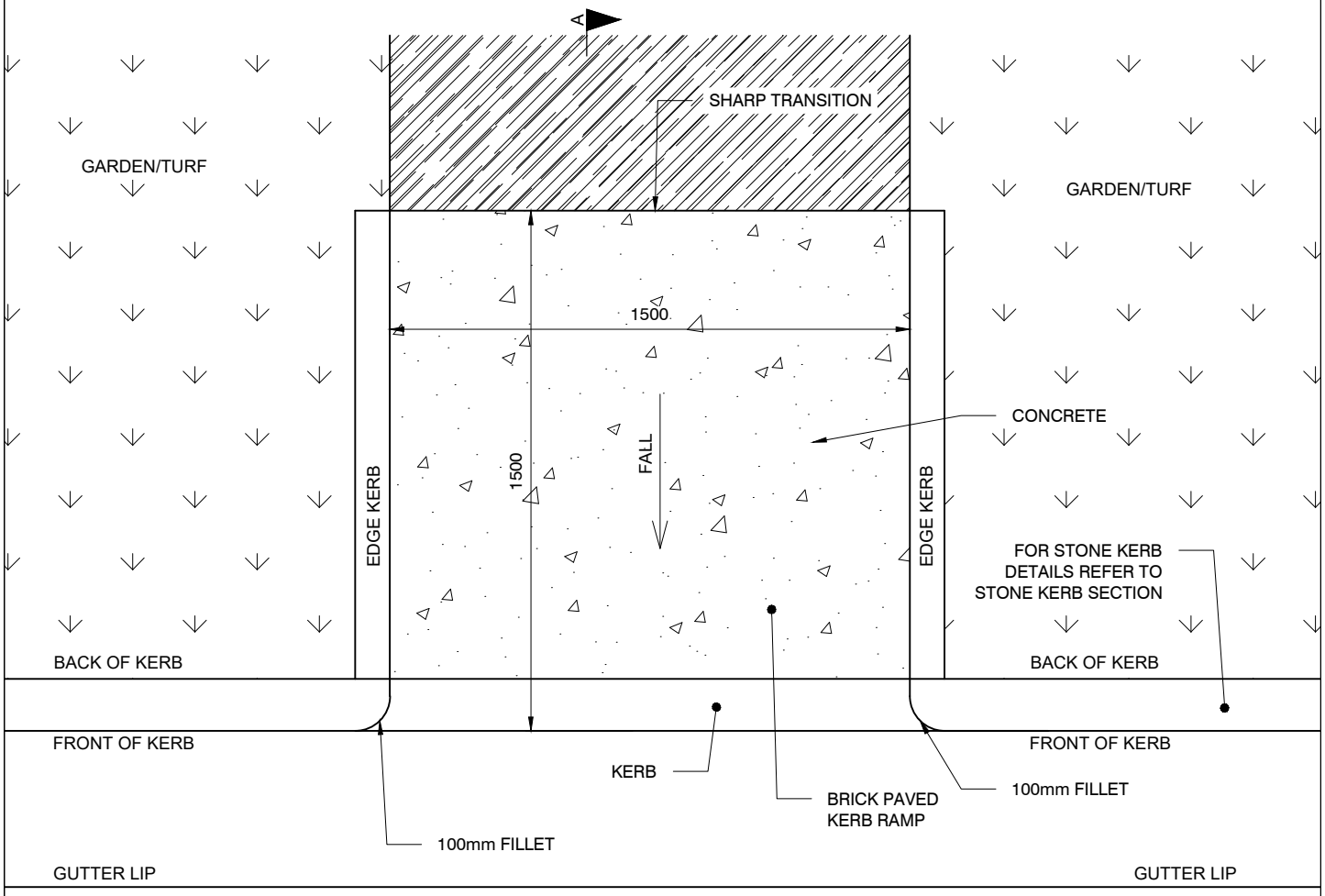
ASPHALT PAVING

PEDESTRIAN RAMP

FOOTWAYS

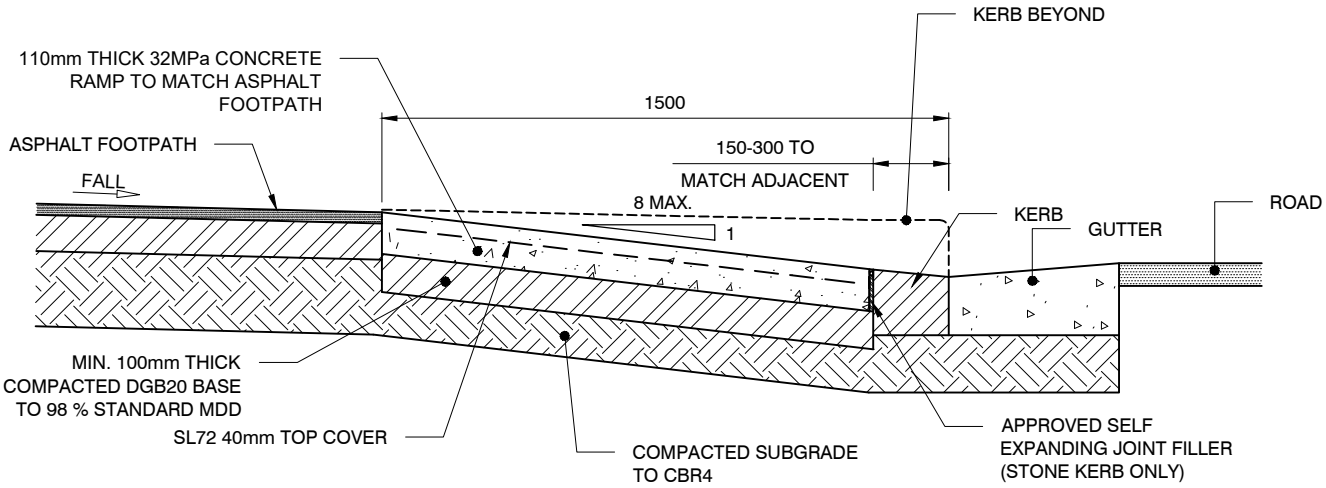
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.5.3



A

PLAN 1:20



SECTION A-A 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

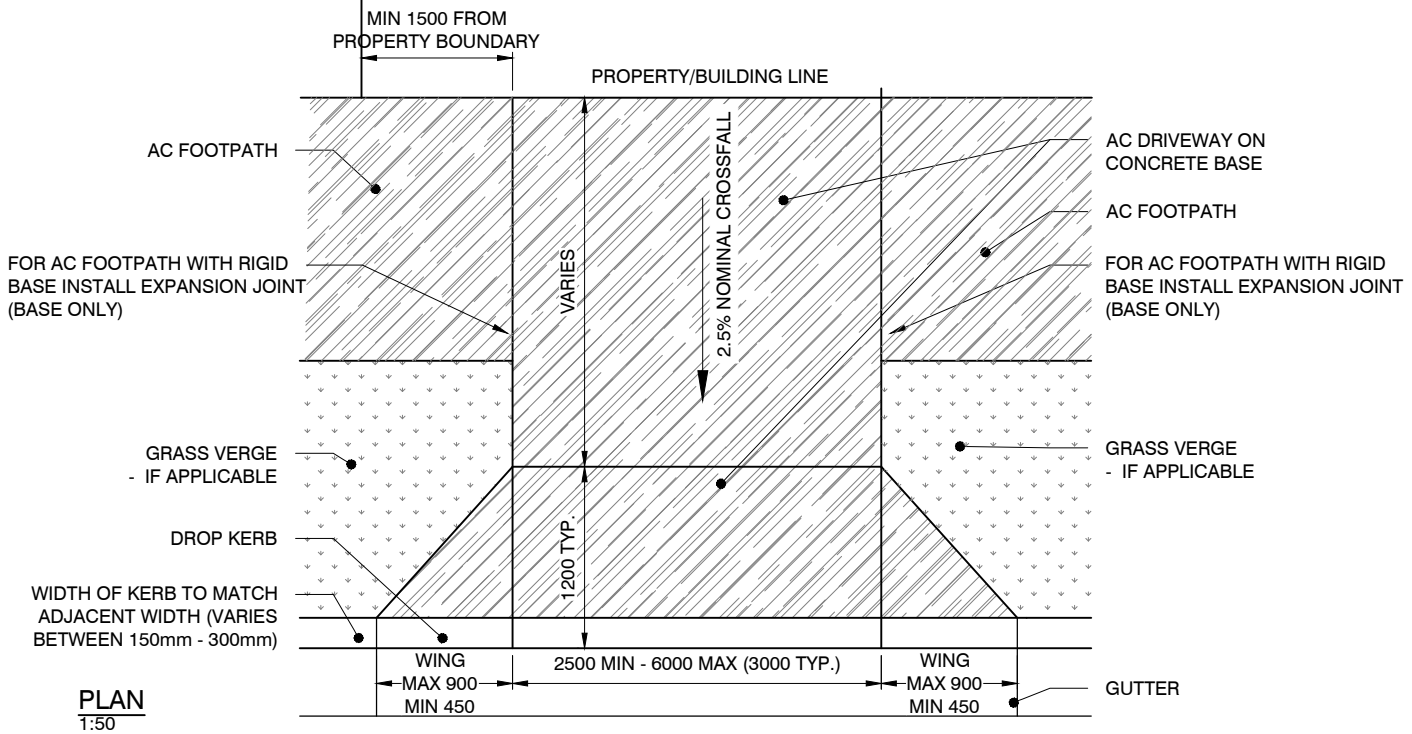
ASPHALT PAVING

PEDESTRIAN RAMP (ADJACENT GARDEN)

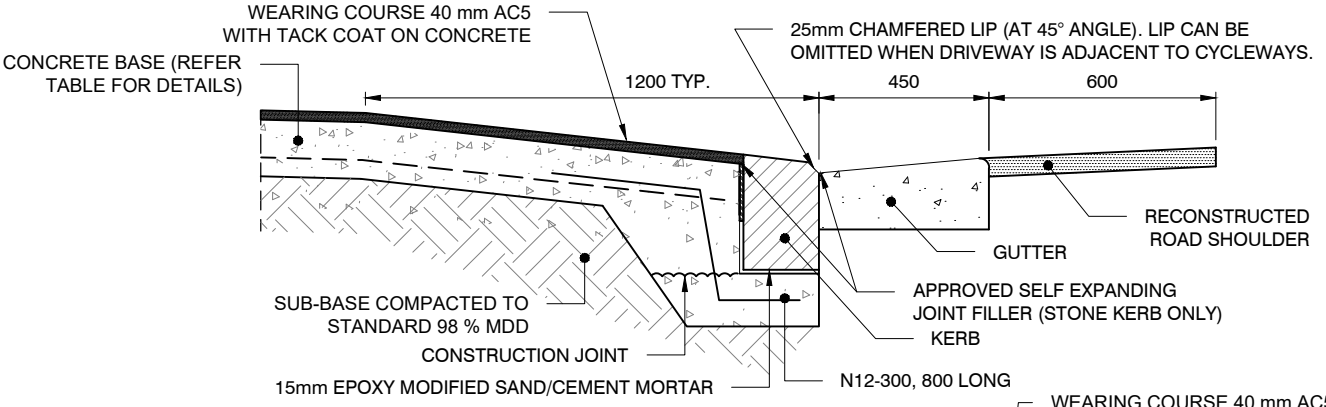
FOOTWAYS

Rev	D
Date	01.12.19
Approved	P S

Dwg No. 2.5.4

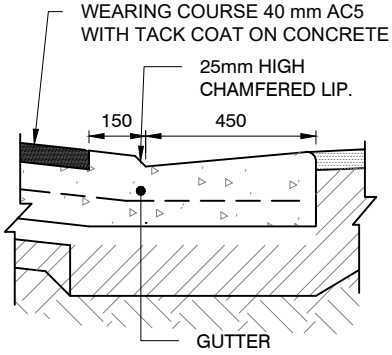


PLAN
1:50



SECTION (WITH STONE KERB)
1:20

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



SECTION (WITH CONCRETE KERB)
1:20

NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. FOR NARROW FOOTPATHS, LENGTH OF LAYBACK TO BE REDUCED TO 900mm, SUBJECT TO VEHICLE CLEARANCE OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
3. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
4. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1.
5. CONCRETE TO BE MINIMUM 32MPa.
6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

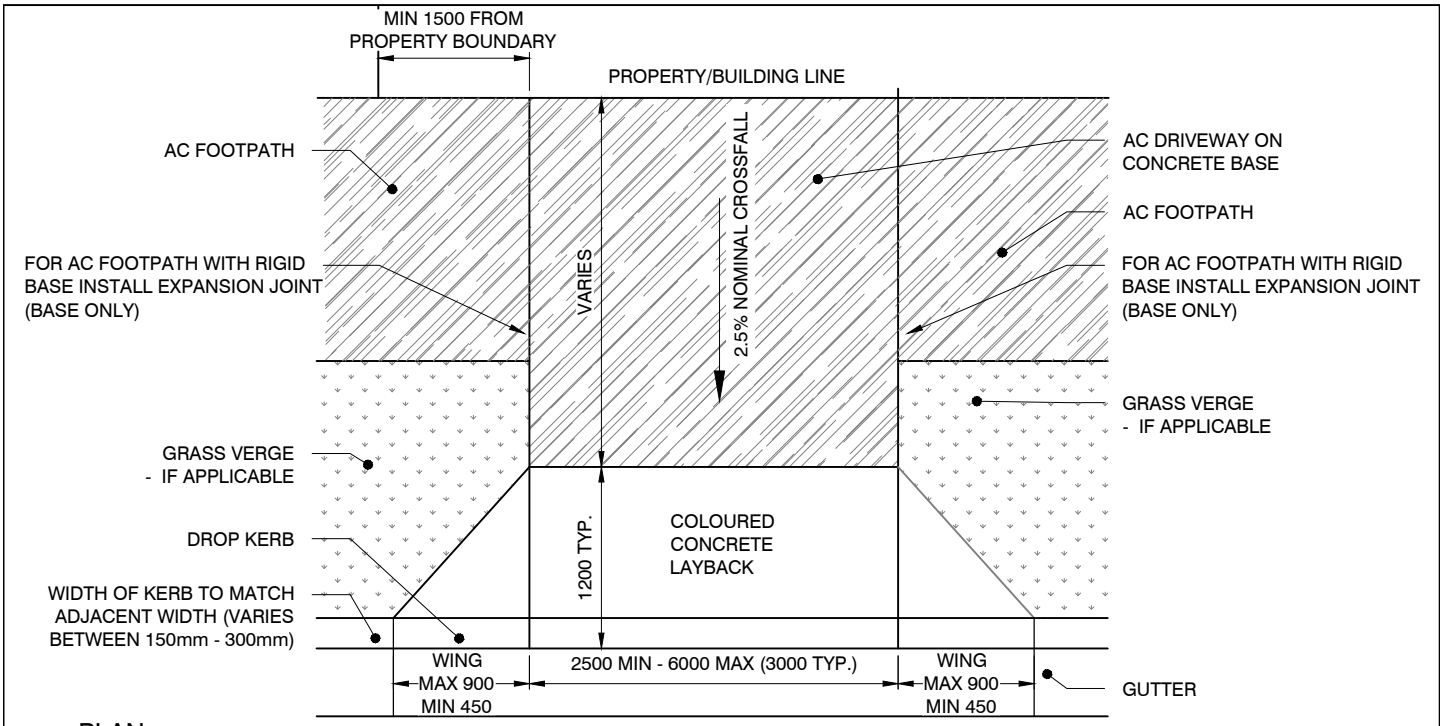
ASPHALT PAVING

RESIDENTIAL VEHICLE CROSSING

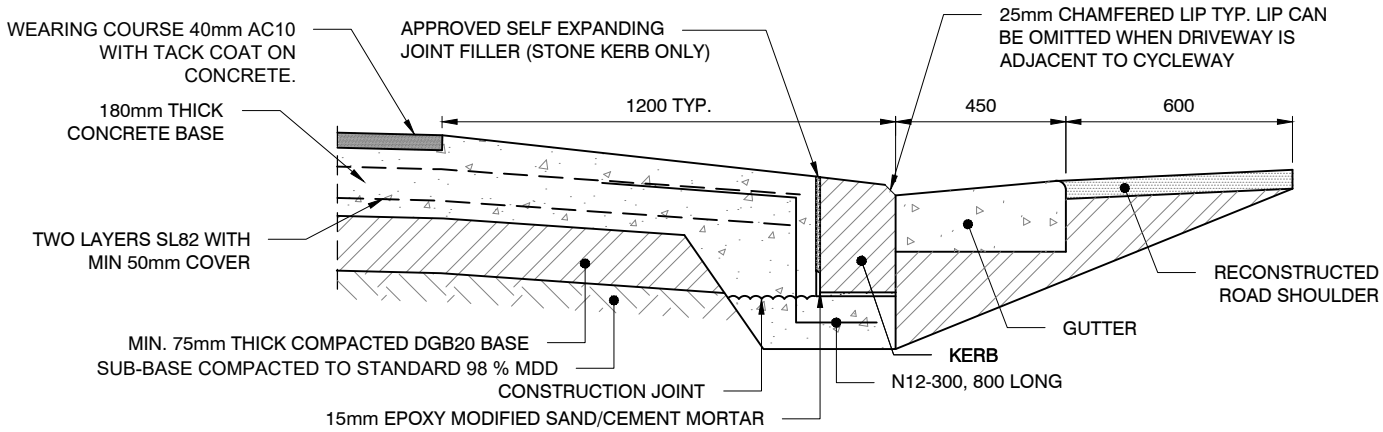
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

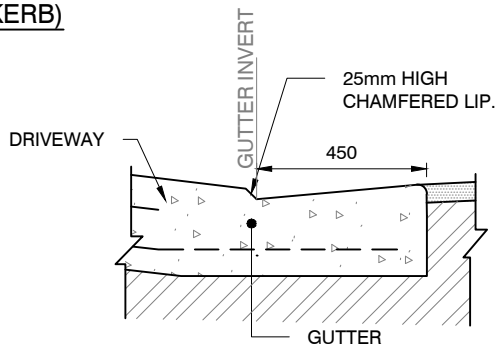
Dwg No. 2.5.5



PLAN
1:50



SECTION (WITH STONE KERB)
1:20



SECTION (WITH CONCRETE KERB)
1:20

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.
3. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1.
4. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm, SUBJECT TO VEHICLE CLEARANCE OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
5. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE CONCRETE DRIVEWAY.
6. CONCRETE TO BE MINIMUM 32MPa.
7. TYPE OF KERB TO SUIT SYDNEY STREET CODE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

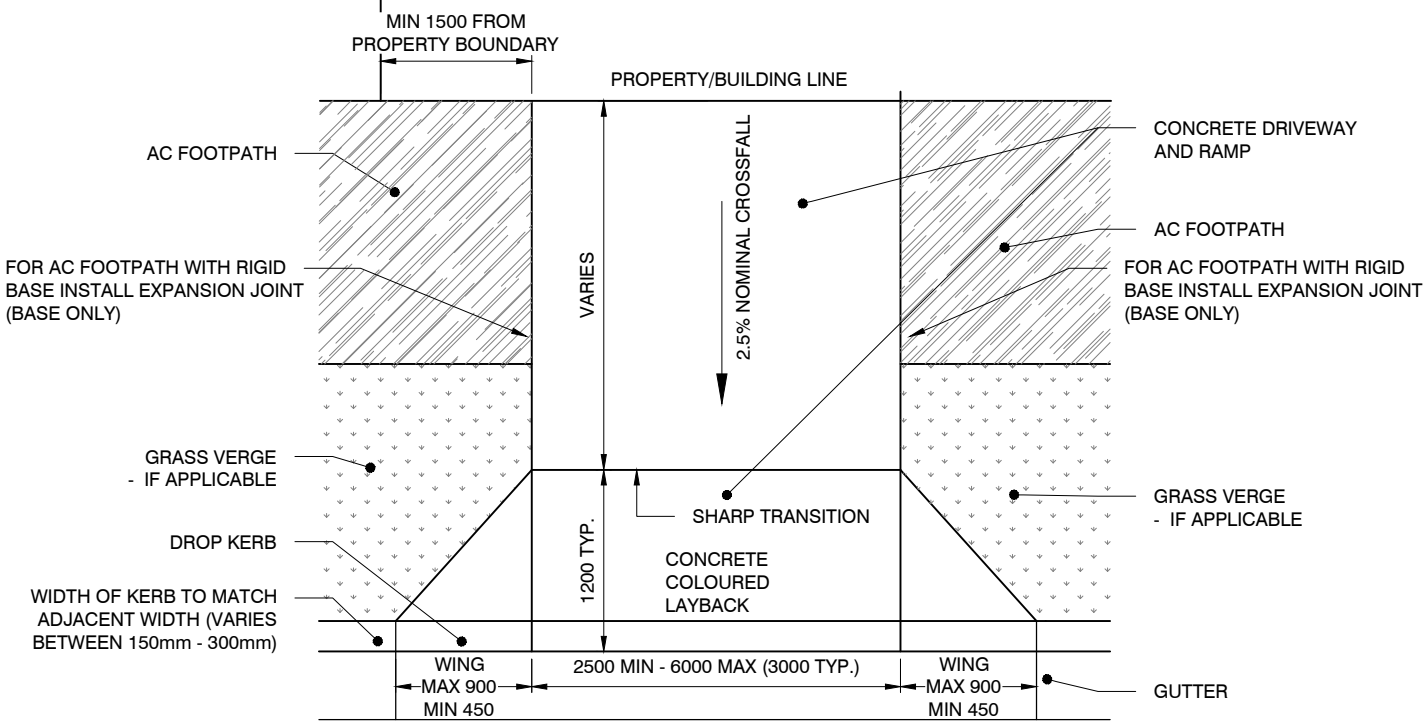
ASPHALT PAVING

COMMERCIAL (LIGHT) VEHICLE CROSSING

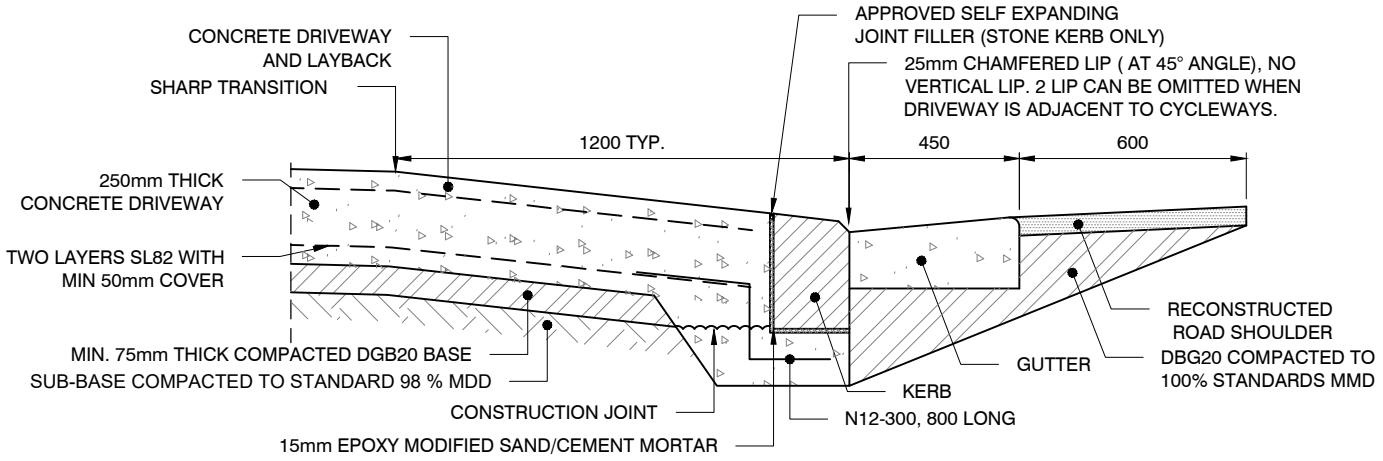
FOOTWAYS

Rev	E
Date	*16.11.22*
Approved	S A

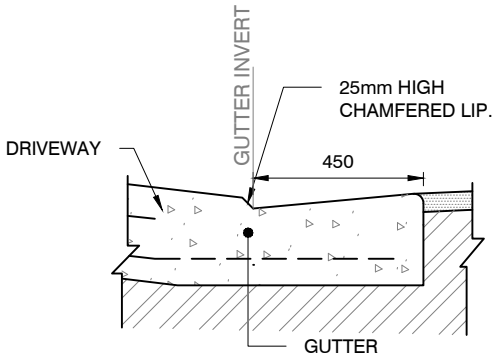
Dwg No. 2.5.6



PLAN
1:50



SECTION (WITH STONE KERB)
1:20



SECTION (WITH CONCRETE KERB)
1:20

NOTES:

1. THIS DRIVEWAY SUIT COMMERCIAL VEHICULAR CROSSINGS SUBJECTED TO AXLE LOADING HEAVIER THAN 10 TONNES.
2. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
3. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER AS PER AS2890.1.
4. FOR NARROW FOOTPATHS, LENGTH OF RAMP TO BE REDUCED TO 900mm, SUBJECT TO VEHICLE CLEARANCE OR LAYBACK ONLY TO BE USED IN APPROVED APPLICATIONS.
5. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE CONCRETE DRIVEWAY.
6. CONCRETE TO BE MINIMUM 32MPa.
7. TYPE OF KERB TO SUIT SYDNEY STREET CODE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

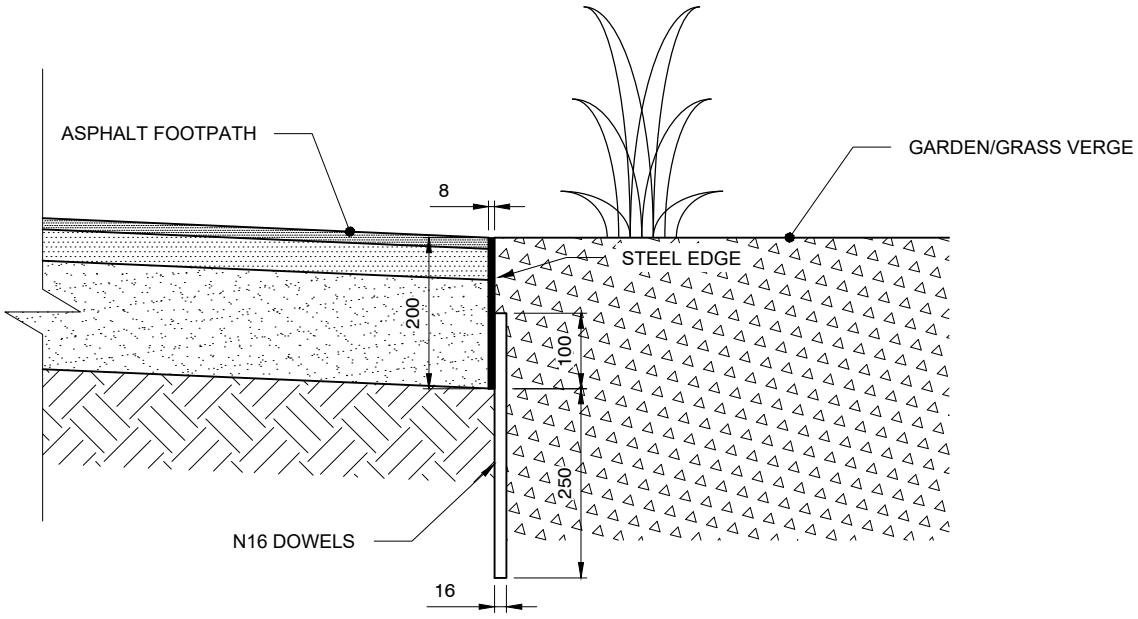
ASPHALT PAVING

COMMERCIAL/INDUSTRIAL VEHICLE CROSSING

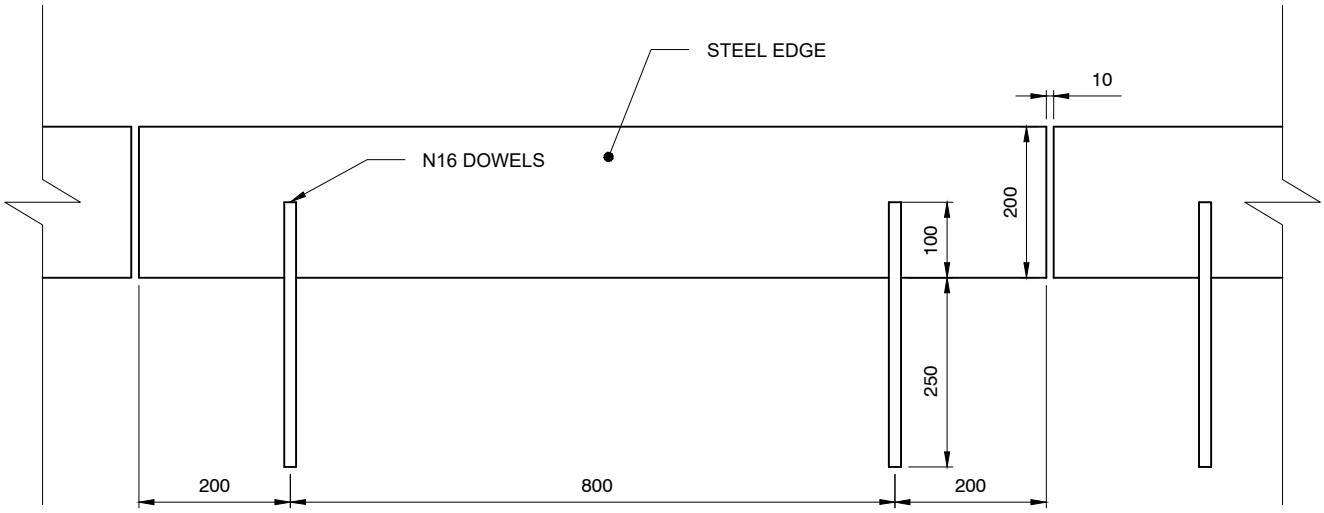
FOOTWAYS

Rev	E
Date	*16.11.22*
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.

CITY OF SYDNEY

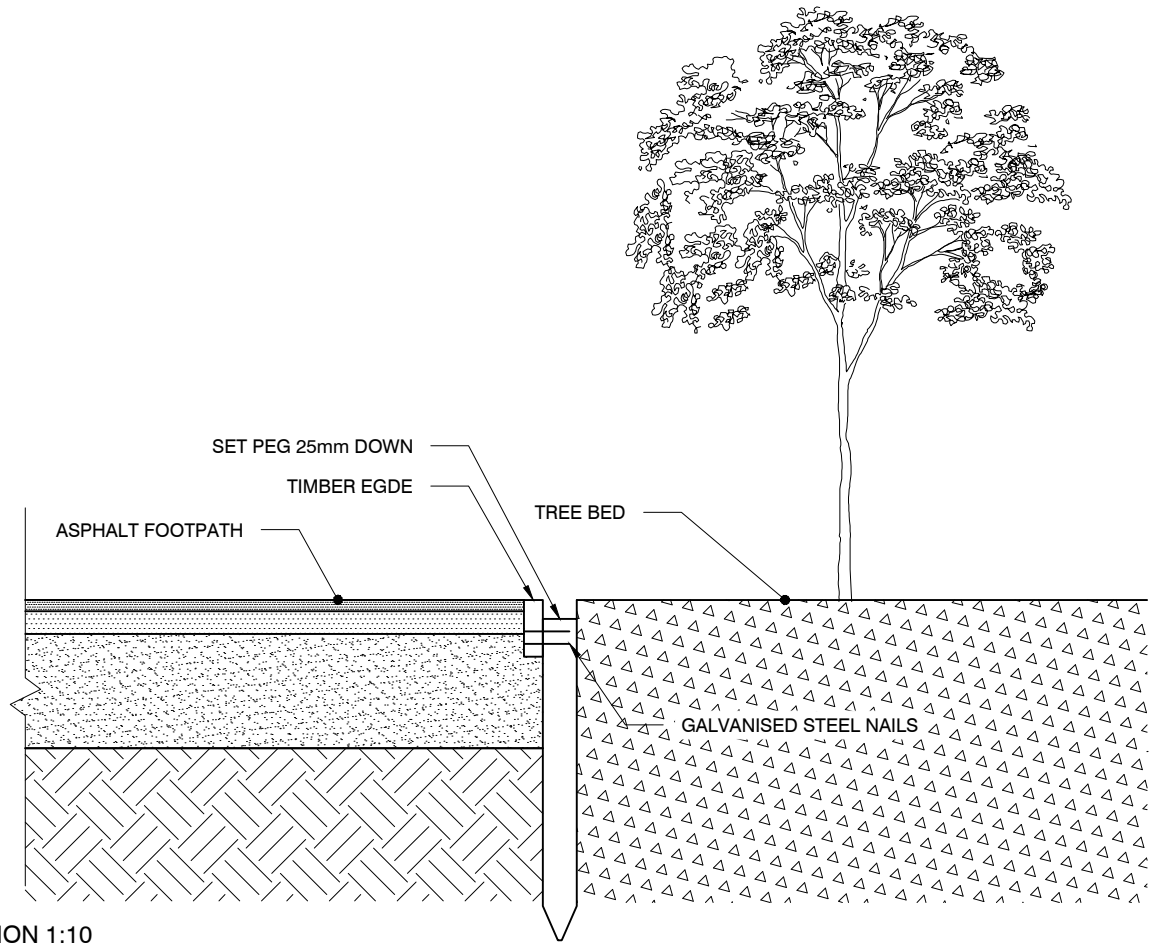
ASPHALT PAVING

EDGE DETAIL - GRASS/GARDEN

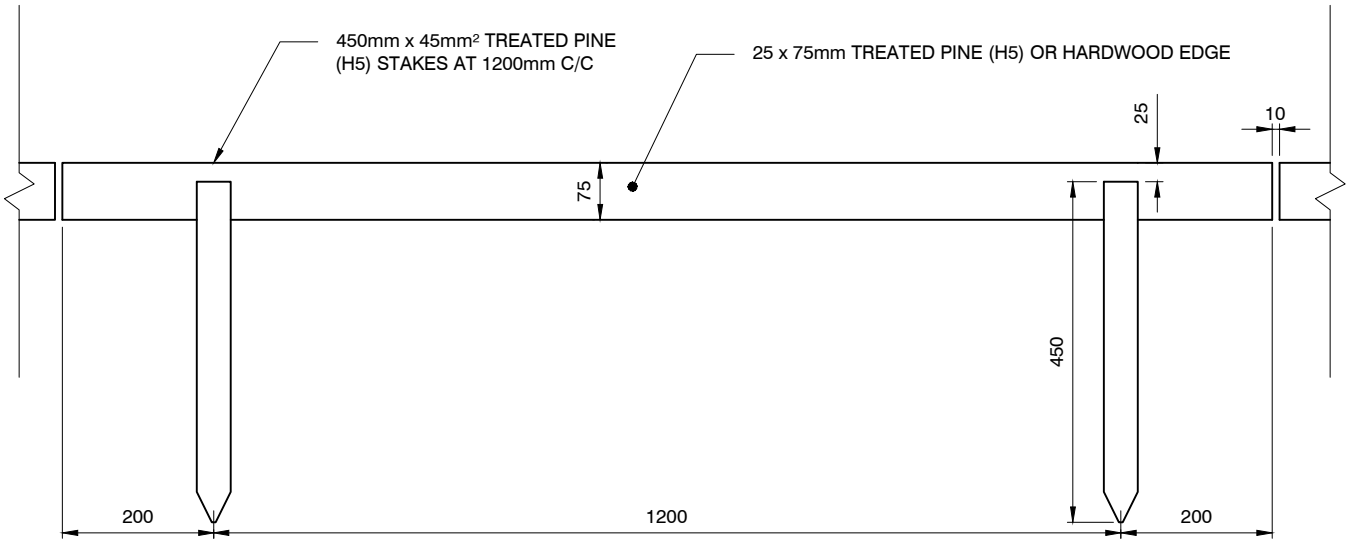
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.5.8



SECTION 1:10



ELEVATION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

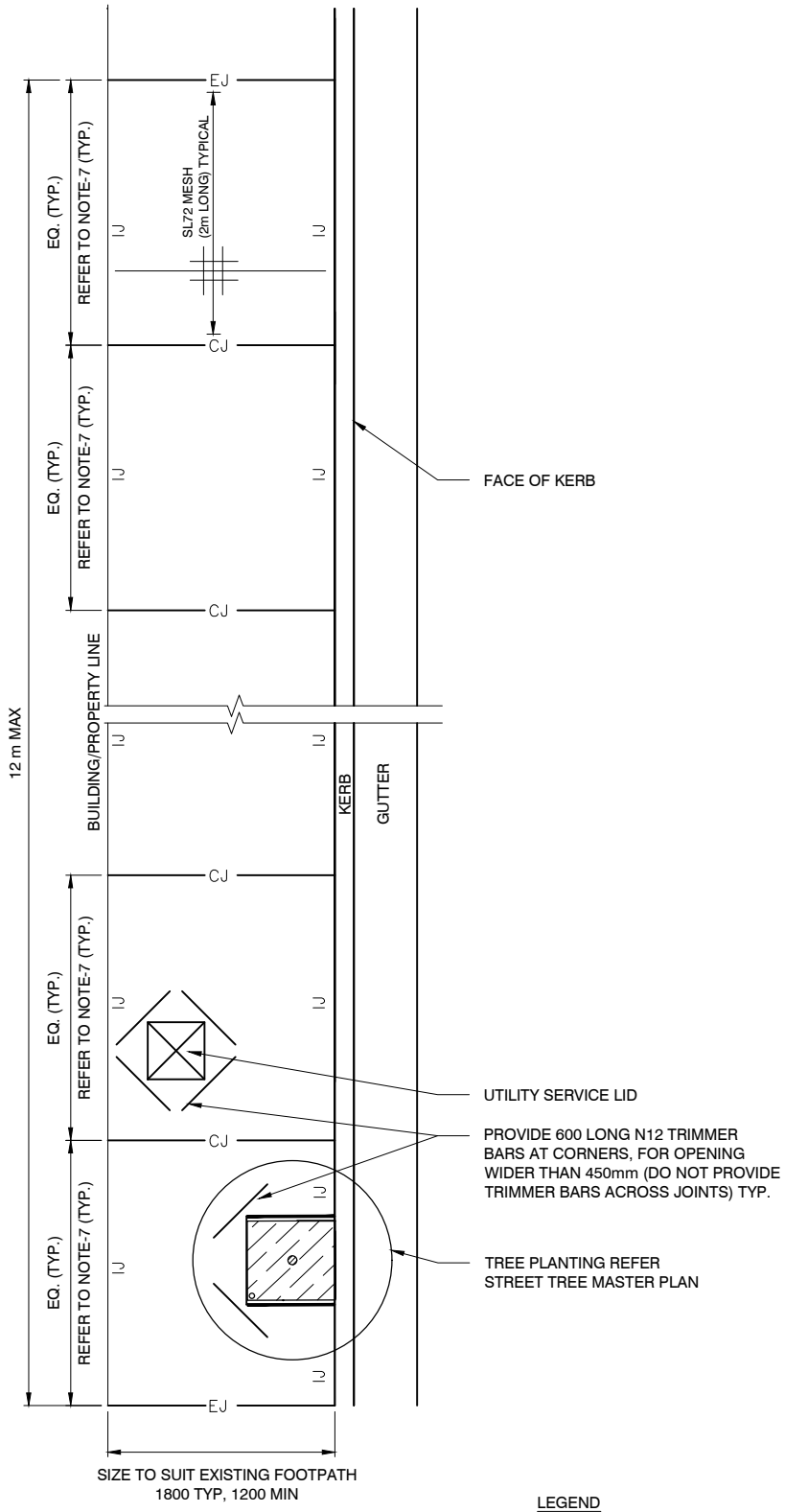
ASPHALT PAVING

EDGE DETAIL - TREE BED

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.5.9



NOTES:

1. DETAIL ONLY TO BE USED IF MATCHING EXISTING, CITY REPRESENTATIVE TO APPROVE.
2. ALL EXPOSED CONCRETE SURFACES MUST BE FINISHED WITH A MEDIUM BROOM FINISH GENERALLY PERPENDICULAR TO THE DIRECTION OF TRAVEL.
3. ALL CONCRETE SLABS MUST HAVE AN ISOLATION JOINT ALONG THE BUILDING LINE, KERB LINE AND ANY PENETRATIONS (EXCEPT WHEN USING BRICK KERBS).
4. 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).
5. CONCRETE FOOTWAYS TO BE 1.8 m WIDE TYPICAL (MINIMUM OF 1.2 m WIDE, OR AS DIRECTED BY COUNCIL.)
6. TYPICALLY ALLOW FOR EXPANSION JOINTS AT 12 m (MAX) SPACING
7. 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.
8. 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.

LEGEND

CJ	CONTRACTION JOINTS
EJ	EXPANSION JOINTS
IJ	ISOLATION JOINTS

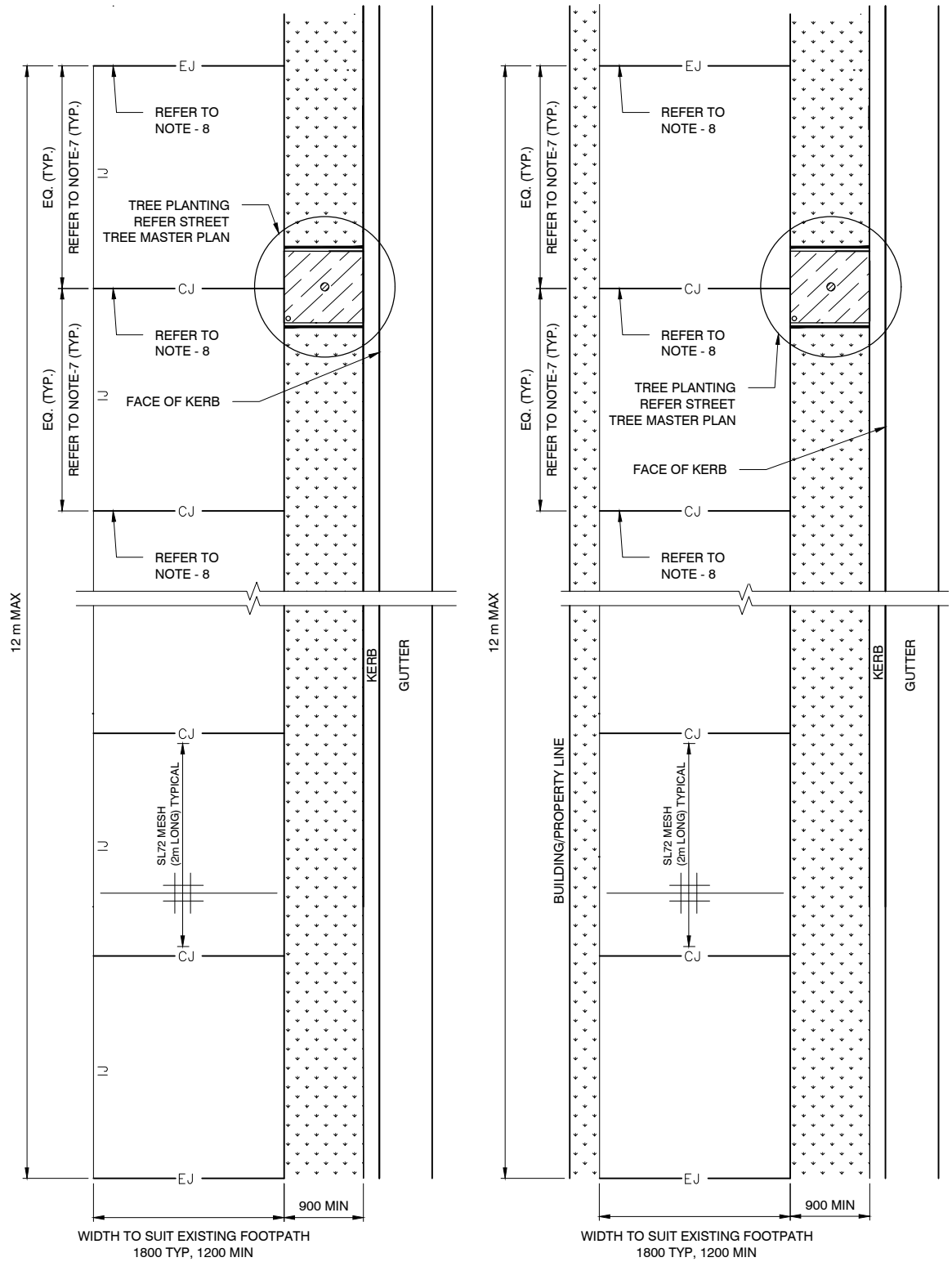
CITY OF SYDNEY

CONCRETE PAVING

TYPICAL CONCRETE PAVING JOINTING DETAILS - NO PLANTING

FOOTWAYS

Rev	E	Dwg No.
Date	*16.11.22*	2.6.1
Approved	S A	



NOTES:

1. DETAIL ONLY TO BE USED IF MATCHING EXISTING, CITY REPRESENTATIVE TO APPROVE.
2. ALL EXPOSED CONCRETE SURFACES MUST BE FINISHED WITH A MEDIUM BROOM FINISH GENERALLY PERPENDICULAR TO THE DIRECTION OF TRAVEL.
3. ALL CONCRETE SLABS MUST HAVE AN ISOLATION JOINT ALONG THE BUILDING LINE, KERB LINE AND ANY PENETRATIONS (EXCEPT WHEN USING BRICK KERBS).
4. 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).
5. CONCRETE FOOTWAYS TO BE 1.8 m WIDE TYPICAL (MINIMUM OF 1.2 m WIDE, OR AS DIRECTED BY COUNCIL.)
6. TYPICALLY ALLOW FOR EXPANSION JOINTS AT 12 m (MAX) SPACING
7. 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.
8. 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.

LEGEND

CJ	CONTRACTION JOINTS
EJ	EXPANSION JOINTS
IJ	ISOLATION JOINTS

CITY OF SYDNEY

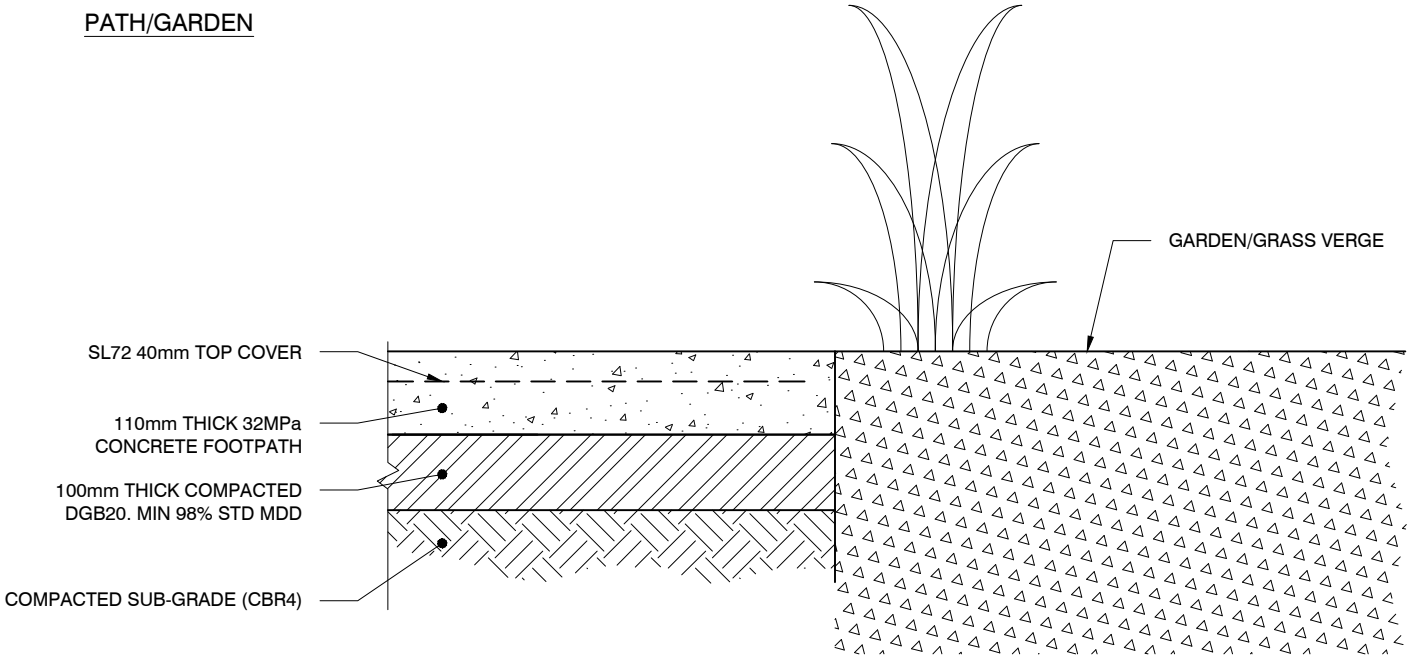
CONCRETE PAVING
TYPICAL CONCRETE PAVING JOINTING DETAILS

FOOTWAYS

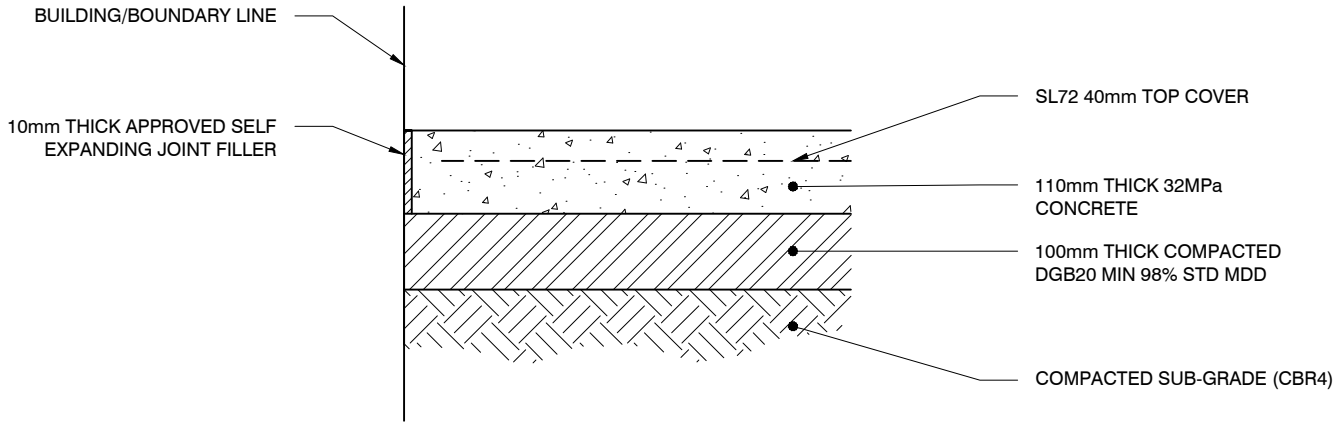
Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 2.6.2

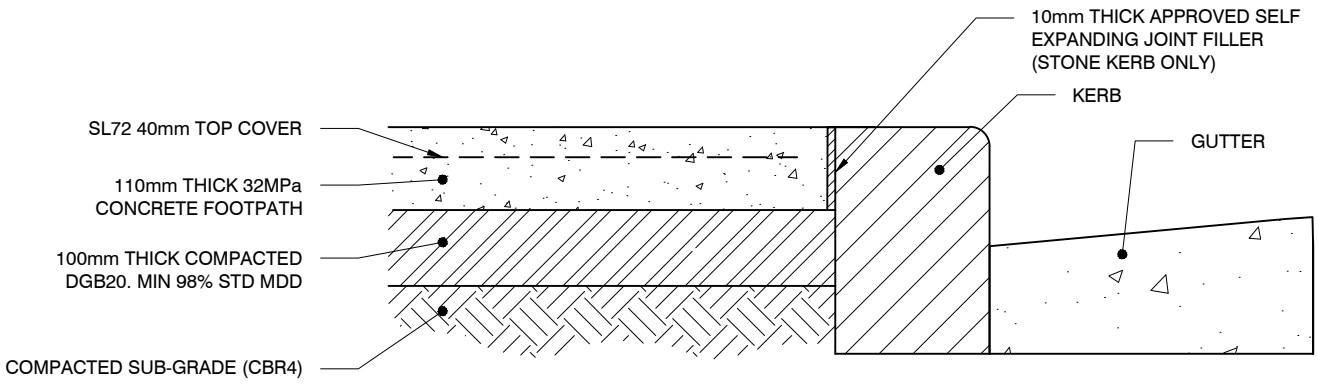
PATH/GARDEN



PATH/BUILDING LINE



PATH/KERB



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

CONCRETE PAVING

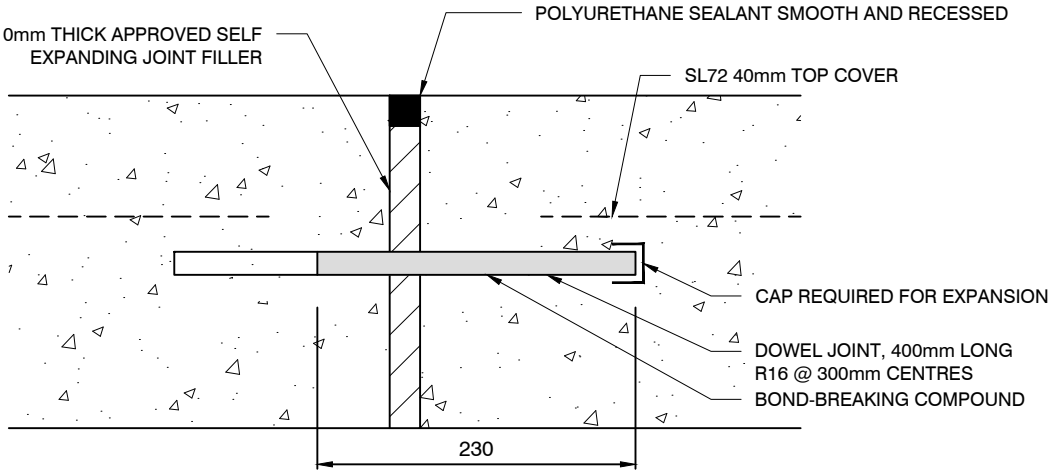
JUNCTIONS

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

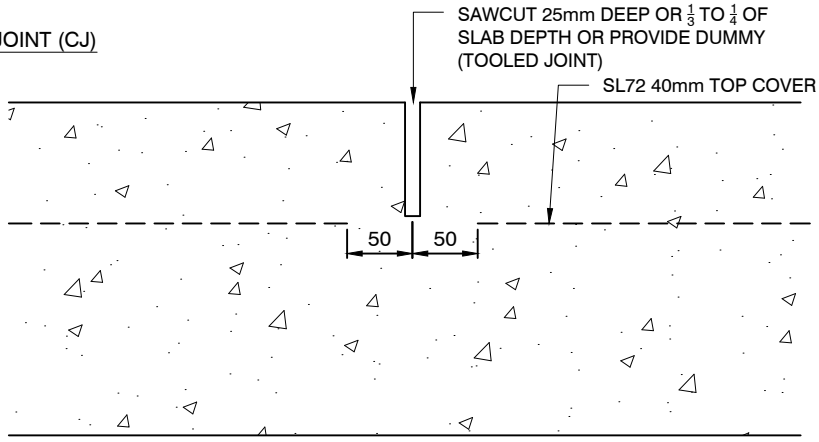
Dwg No. 2.6.3

EXPANSION JOINT (EJ)

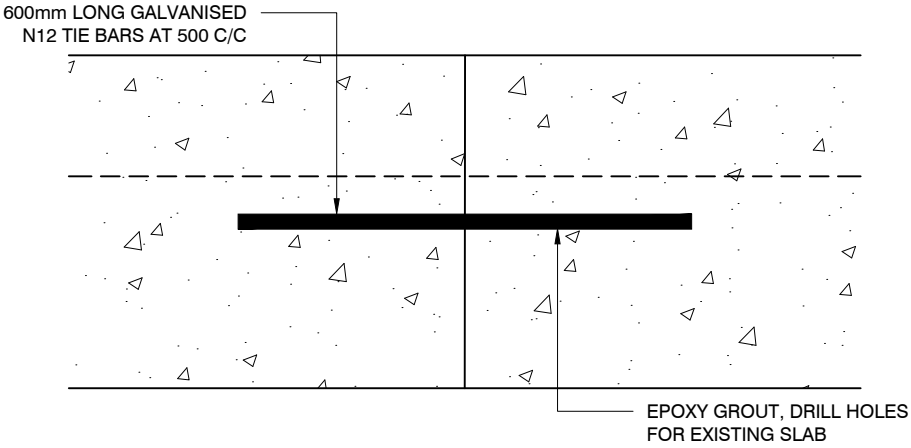


NOTE: BOND-BREAKING COMPONENT AND END CAP MAY BE REPLACED WITH A PURPOSE-MADE DOWEL SLEEVE.

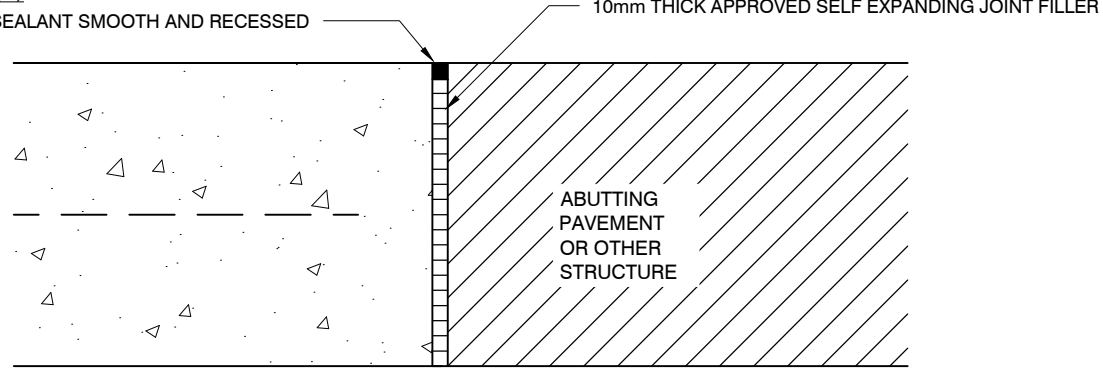
CONTRACTION/CONTROL JOINT (CJ)



CONSTRUCTION JOINT



ISOLATION JOINT (IJ)



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

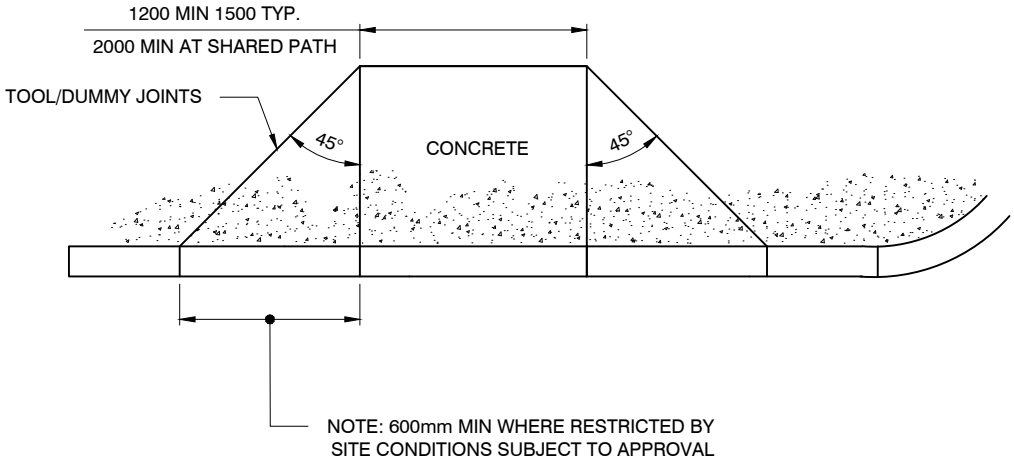
CONCRETE PAVING

JOINTS

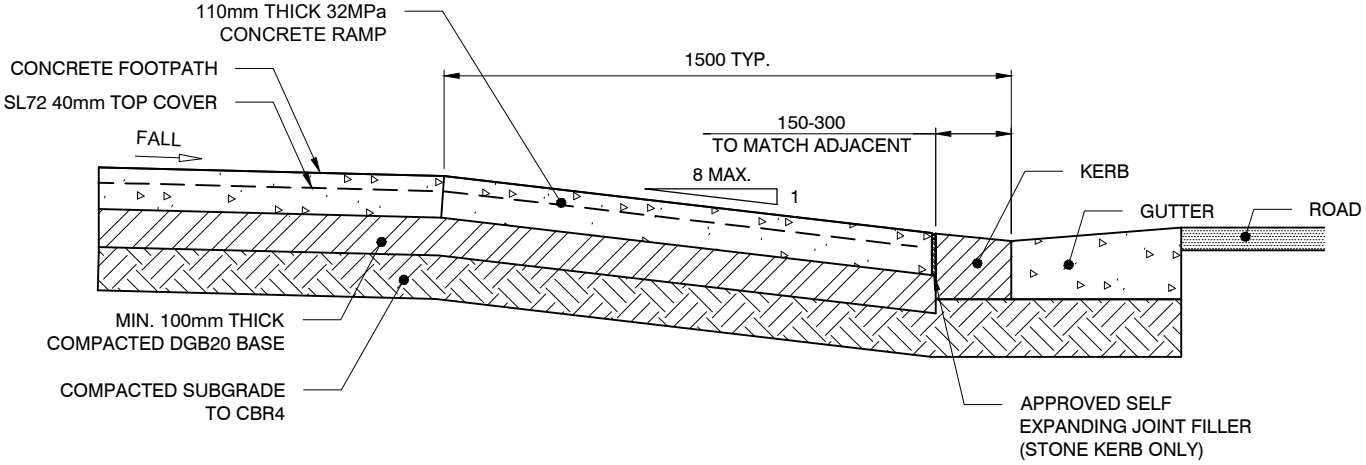
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.6.4



PLAN 1:50

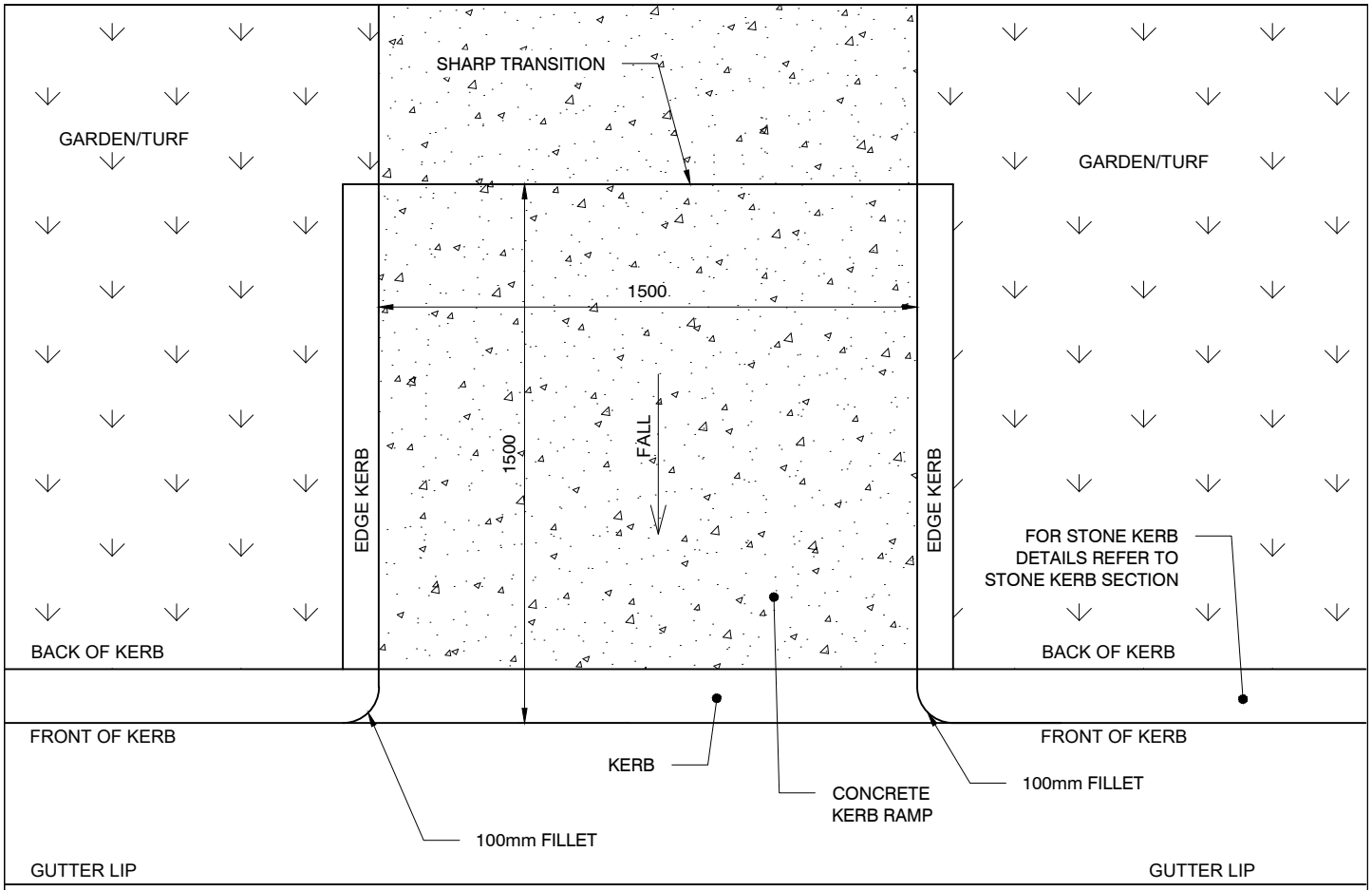


SECTION 1:20

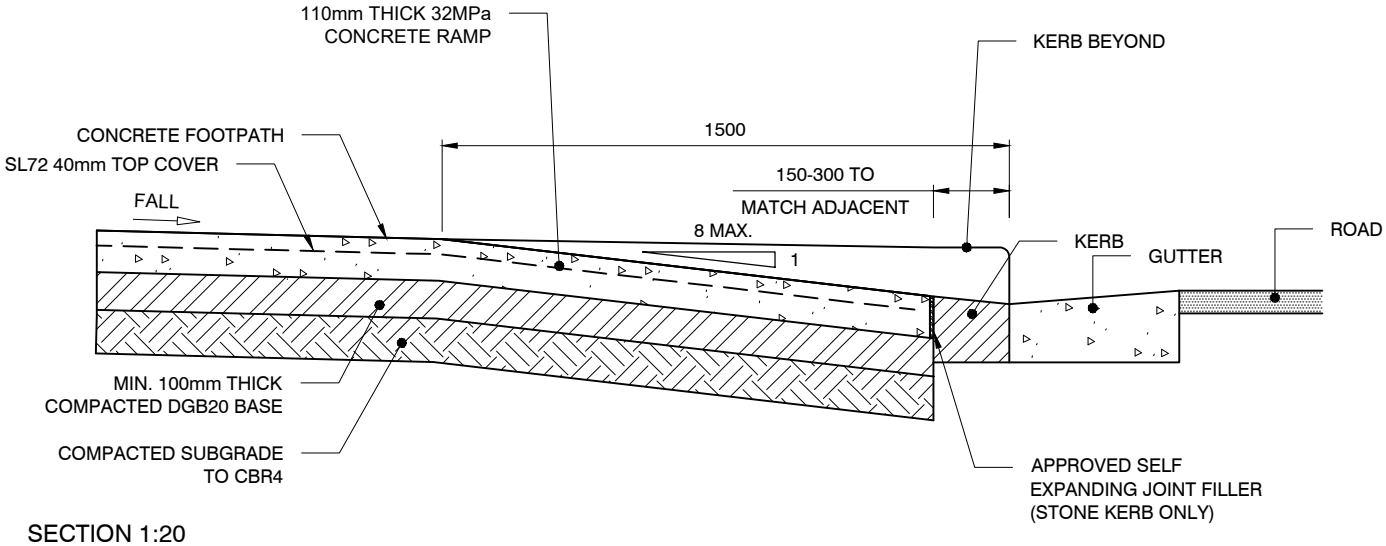
NOTES:

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

CITY OF SYDNEY	CONCRETE PAVING PEDESTRIAN RAMP	FOOTWAYS **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 2.6.5



PLAN 1:20



SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

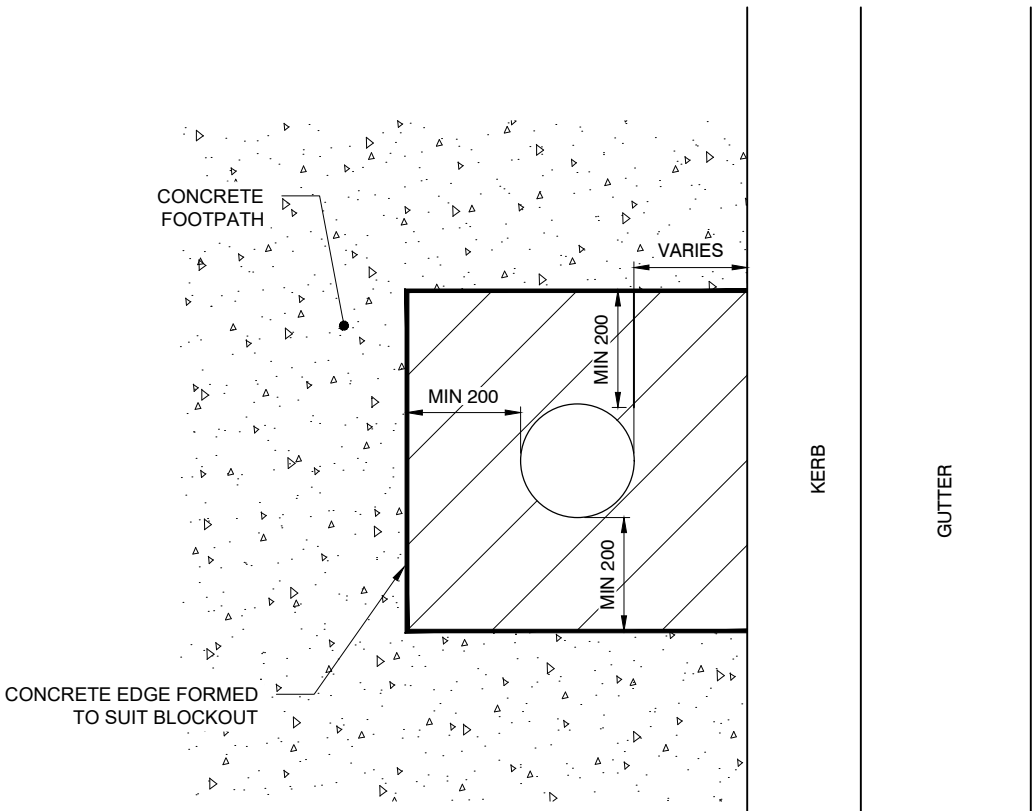
CONCRETE PAVING

PEDESTRIAN RAMP (ADJACENT GARDEN)

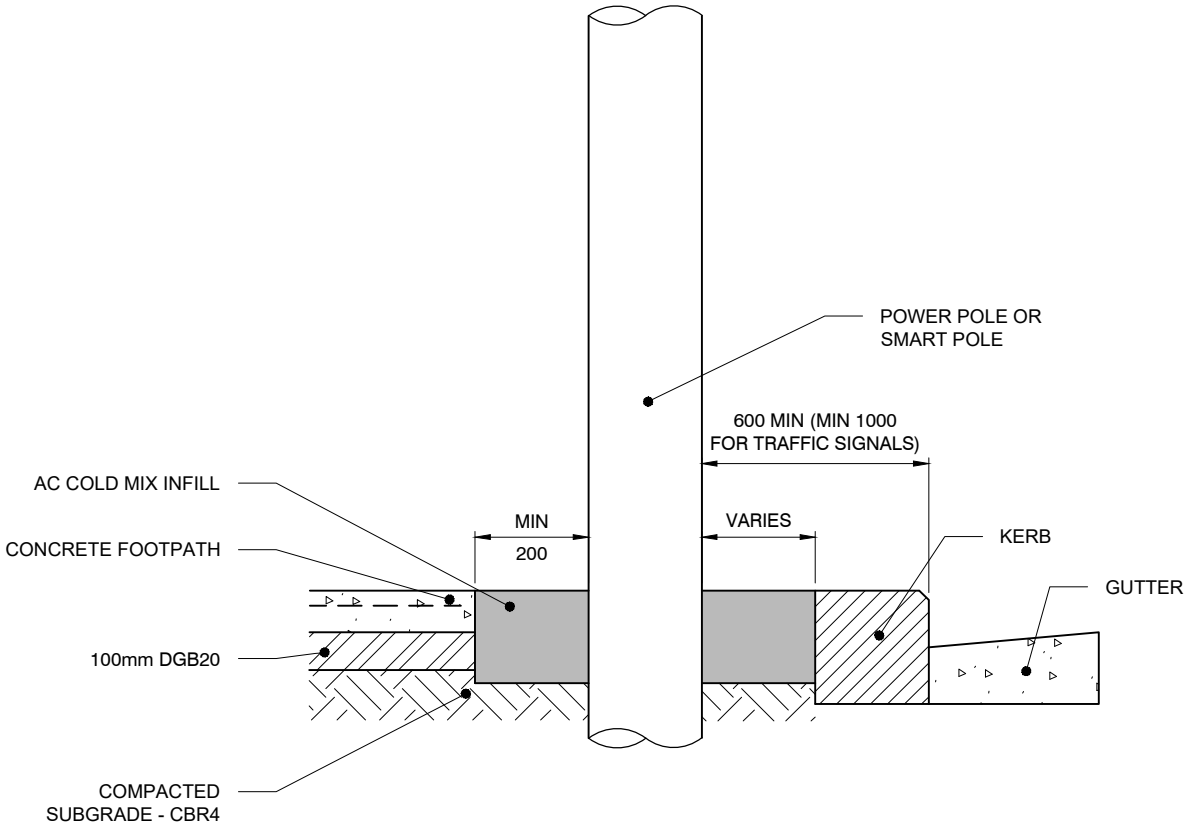
FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 2.6.6



PLAN 1:20



SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

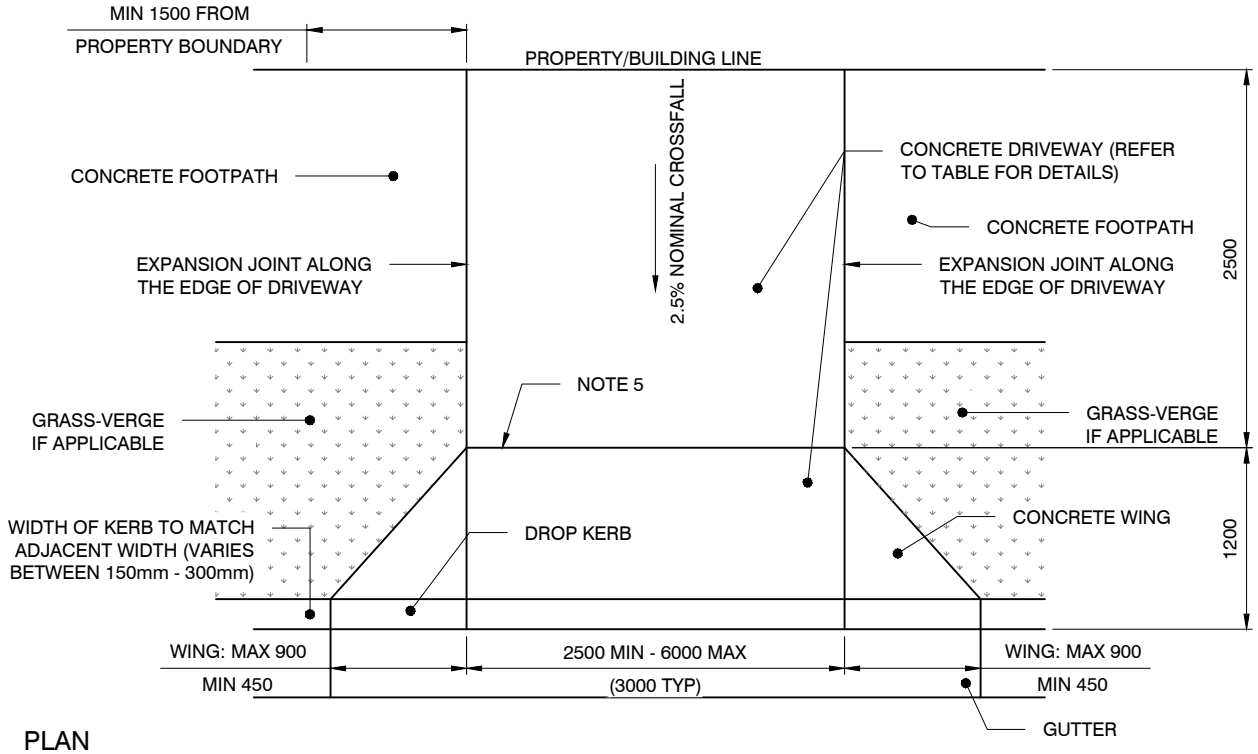
CONCRETE PAVING

PAVING AROUND LIGHT POLES AND SMARTPOLES

FOOTWAYS

Rev	D
Date	*01.12.19*
Approved	P S

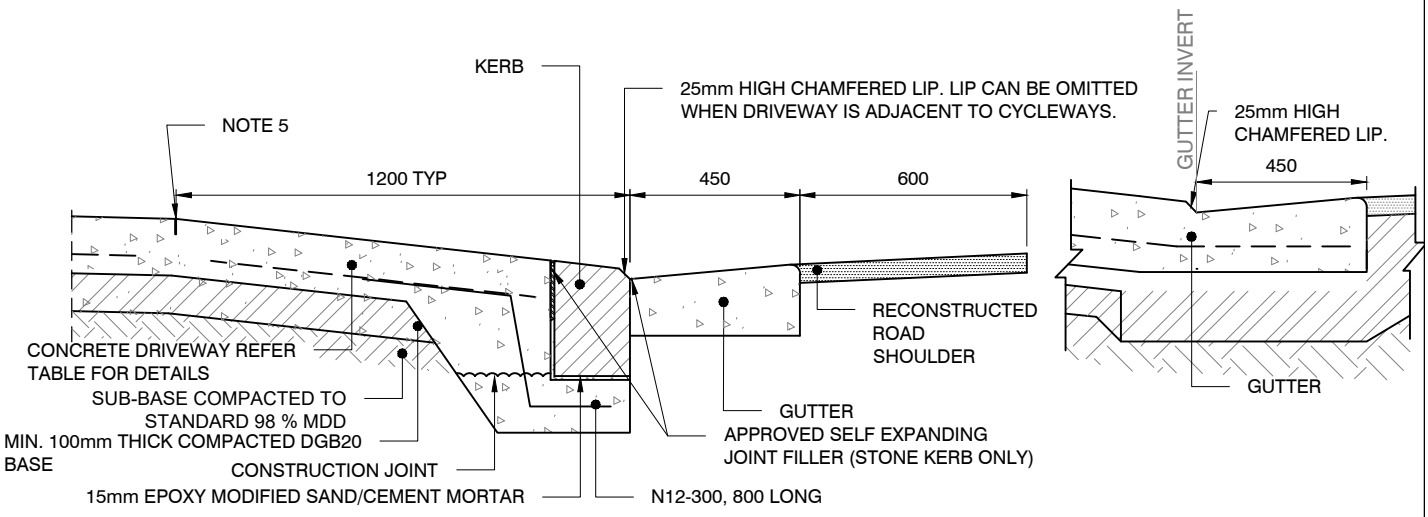
Dwg No. 2.6.7



PLAN
1:50

NOTES:

1. DRIVEWAY TO BE GENERALLY PERPENDICULAR TO KERB LINE, UNLESS APPROVED OTHERWISE.
2. VERTICAL AND HORIZONTAL CLEARANCE SHALL BE CHECKED BY THE DESIGNER IN ACCORDANCE WITH AS2890.1.
3. 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.
4. FOR DRIVEWAYS WIDER THAN 6.0m A TOOL JOINT SHALL BE PROVIDED ALONG THE CENTRE OF THE DRIVEWAY.
5. PROVIDE CONTRACTION/ CONTROL JOINT AT CHANGE IN GRADE AND IN LINE WITH FOOTPATH
6. DRIVEWAY CONCRETE SHALL BE WOOD FLOAT FINISHED.
7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION (STONE KERB)
1:20

SECTION (CONCRETE KERB)
1:20

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

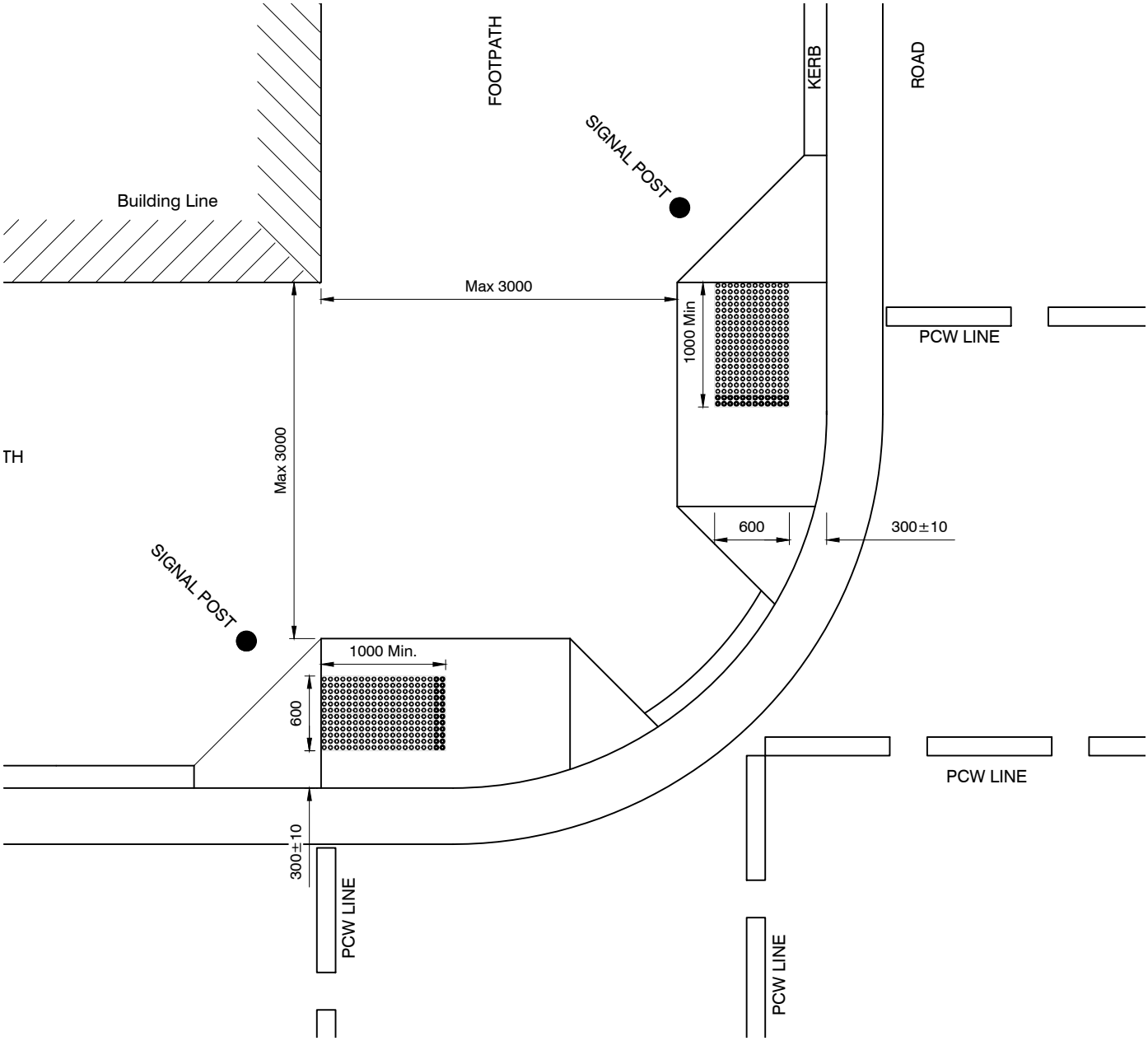
CONCRETE PAVING

VEHICULAR CROSSING

FOOTWAYS

Rev E
Date *16.11.22*
Approved S A

Dwg No.
2.6.8



LEGEND

WARNING TGSI

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.

CITY OF SYDNEY

TGSI

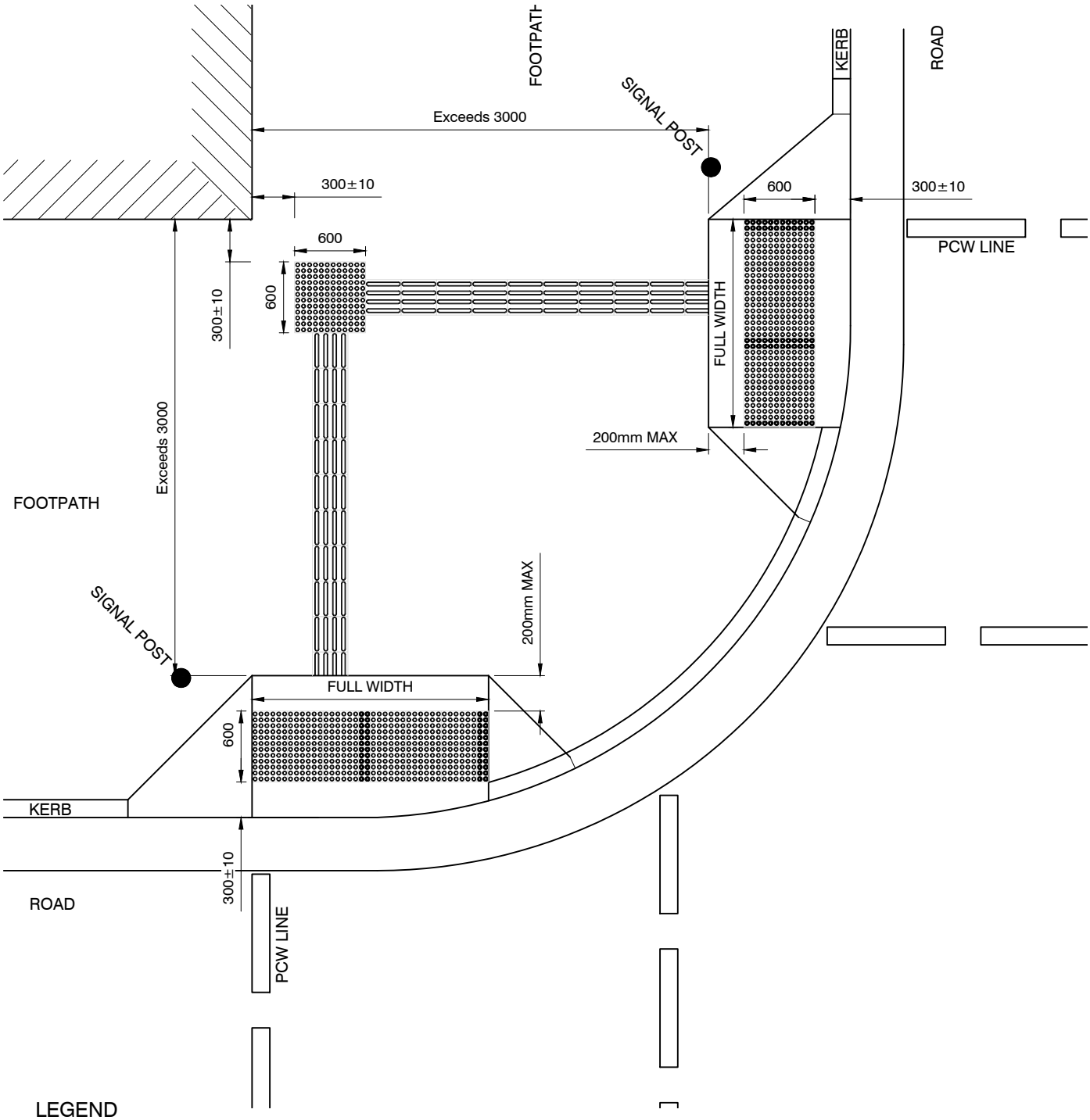
TYPICAL LAYOUT

TOP OF RAMP WITHIN 3000MM FROM BUILDING LINE

FOOTPATH

Rev	D
Date	01.12.19
Approved	P S

Dwg No. 2.7.1



LEGEND

WARNING TGSI

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.

CITY OF SYDNEY

TGSI

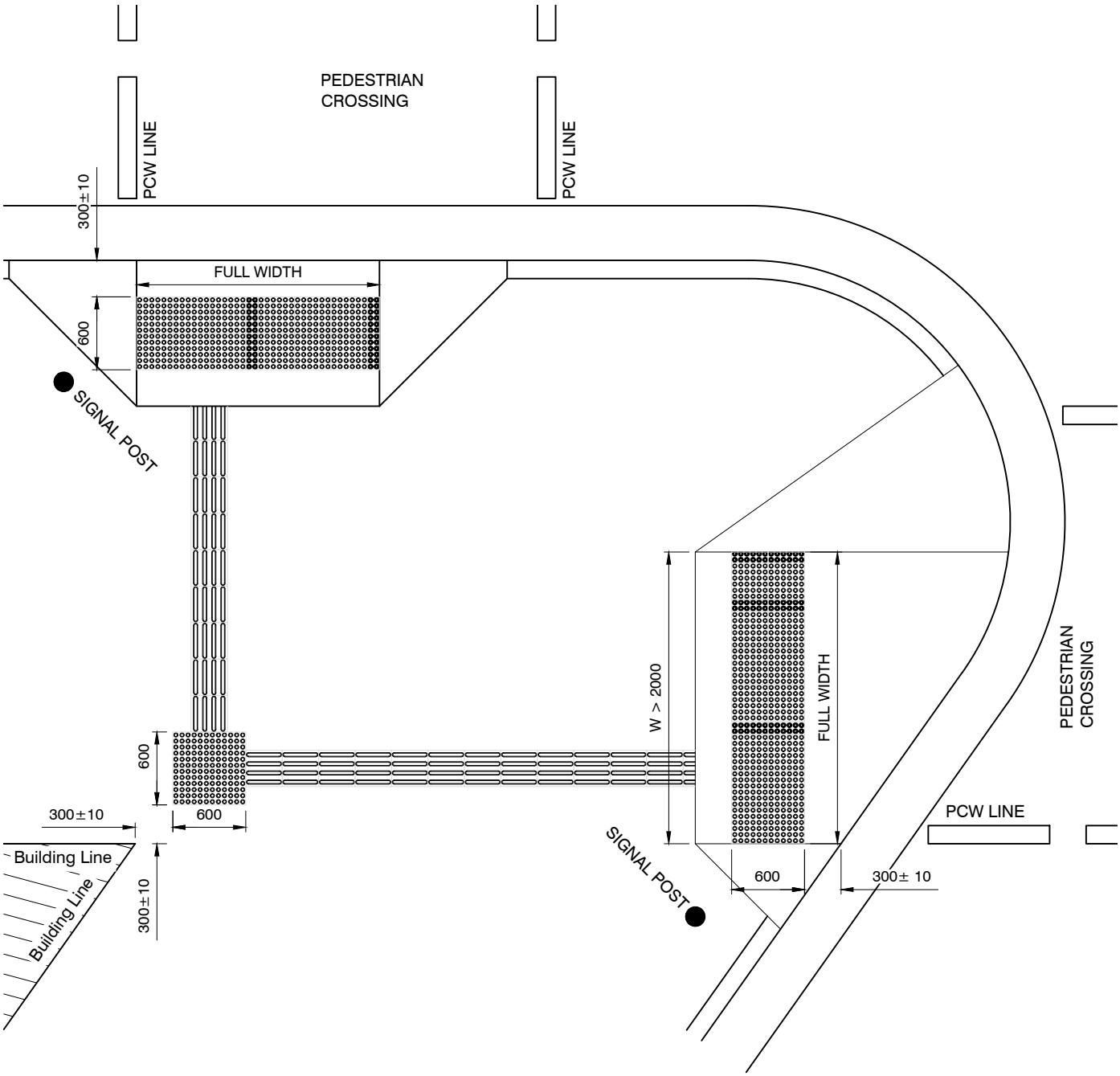
TYPICAL LAYOUT

TOP OF RAMP BEYOUND 3000MM FROM BUILDING LINE

FOOTPATH

Rev	D
Date	01.12.19
Approved	P S

Dwg No. 2.7.2



LEGEND

WARNING TGSI

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.

CITY OF SYDNEY

TGSI
TYPICAL LAYOUT
SKEWED BOUNDARY LINES

FOOTPATH

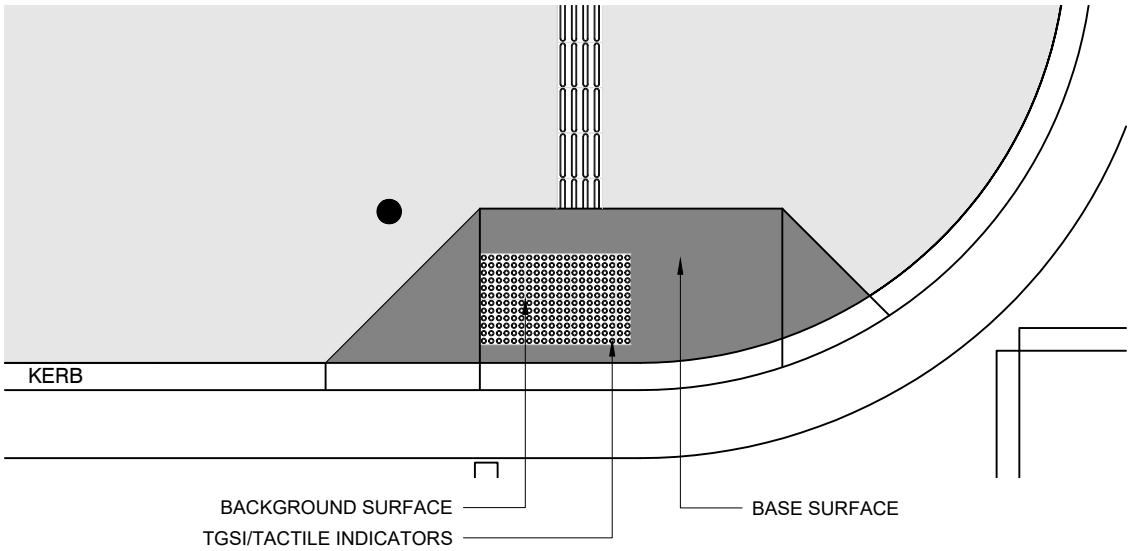
Rev	D
Date	01.12.19
Approved	P S

Dwg No. 2.7.3

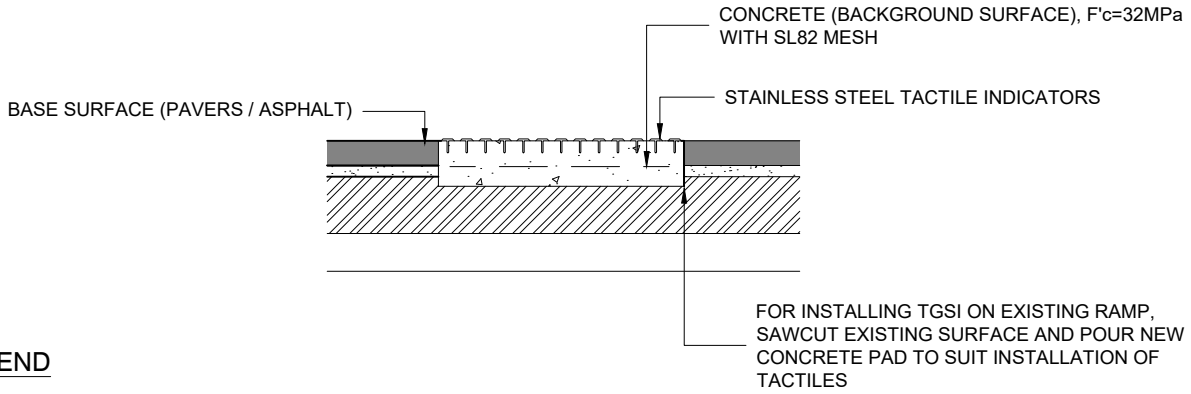
TGSI /TACTILE INDICATORS MATERIAL

Item	Base Surface	Background Surface	Tactile Type
1	Granite	Granite	Stainless Steel
2	Brick Pavers	Concrete	Stainless Steel
3	Concrete Pavers	Concrete/Concrete Pavers[4]	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



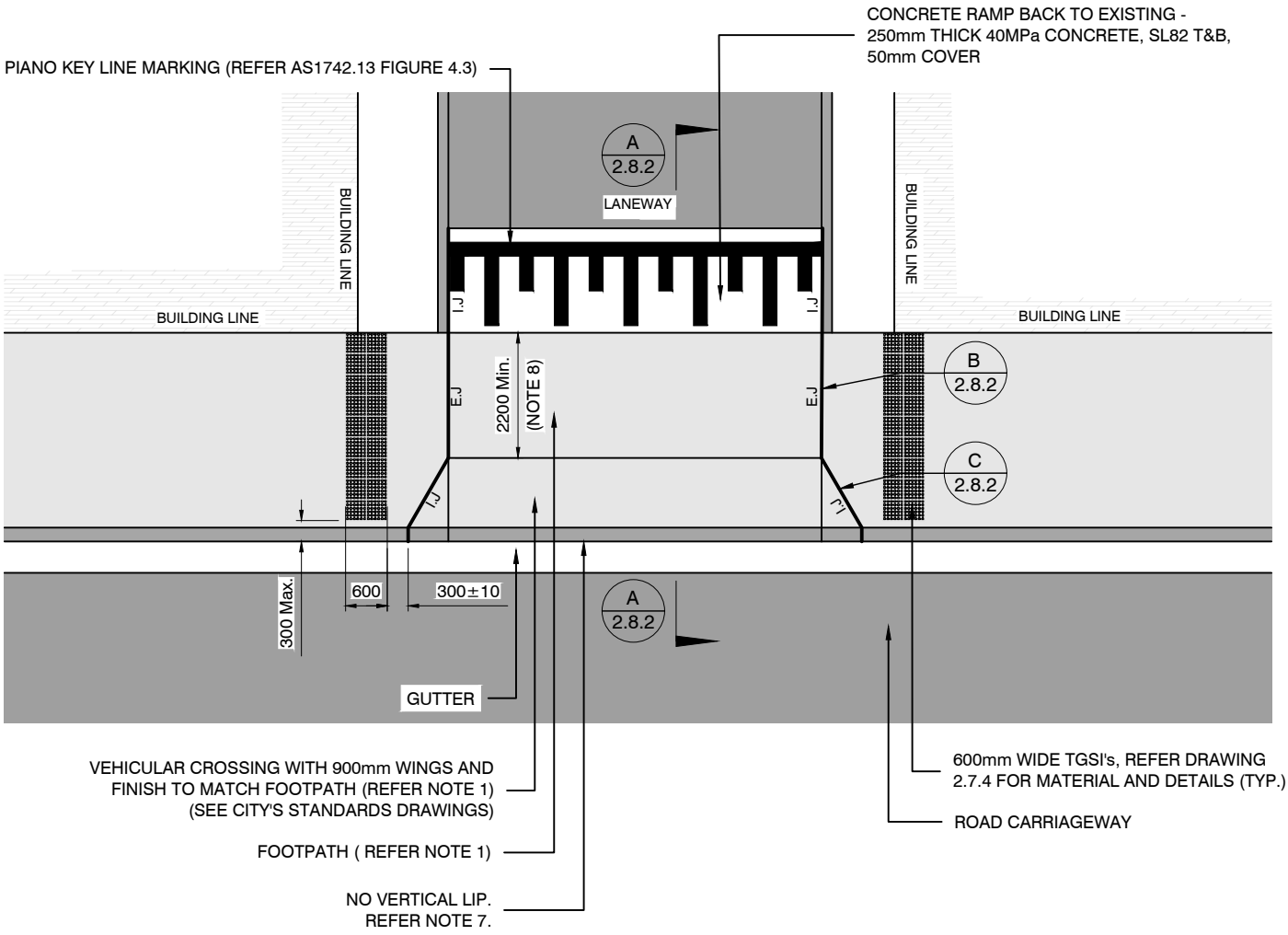
LEGEND

WARNING TGSI

DIRECTIONAL TGSI

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.



LEGEND

	WARNING TGSI
E.J.	EXPANSION JOINT
I.J.	ISOLATION JOINT

NOTES:

1. THIS DRAWING IS TO READ IN CONJUNCTION WITH TfNSW 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.
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 25mm HIGH LIP CHAMFERED AT 45° 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.

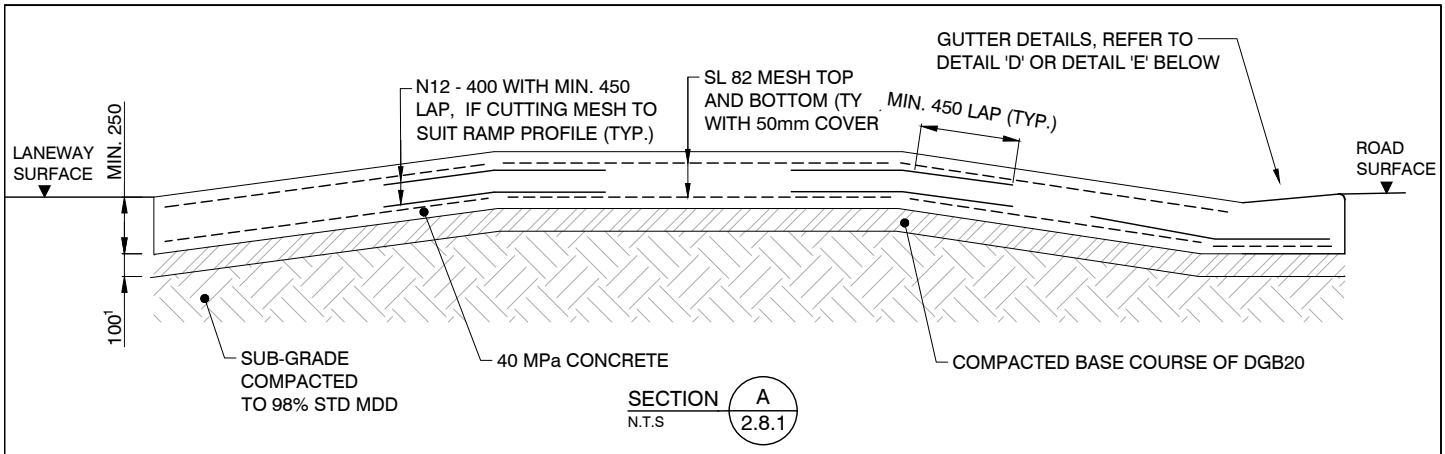
CITY OF SYDNEY

CONTINUOUS FOOTPATH TREATMENTS
TYPICAL LAYOUT

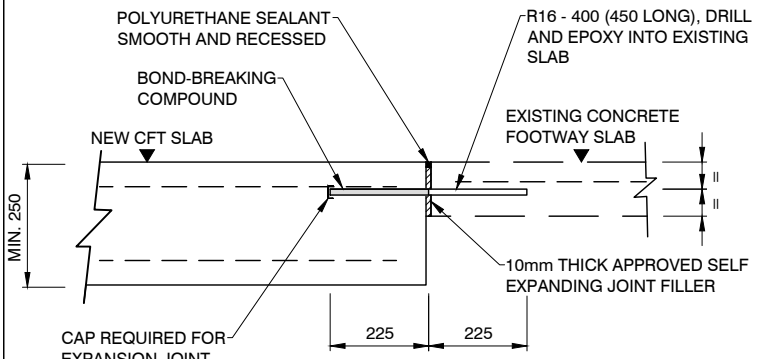
FOOTPATH

Rev	E
Date	*16.11.22*
Approved	S A

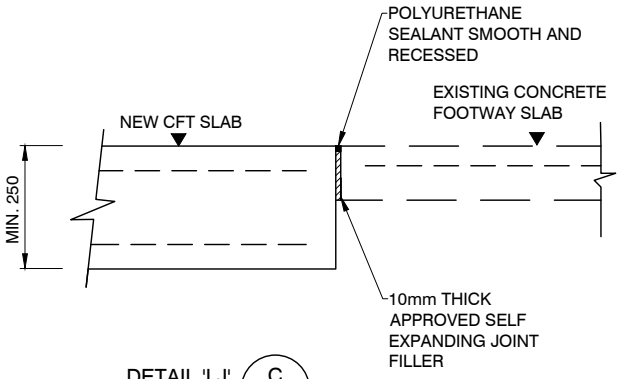
Dwg No. 2.8.1



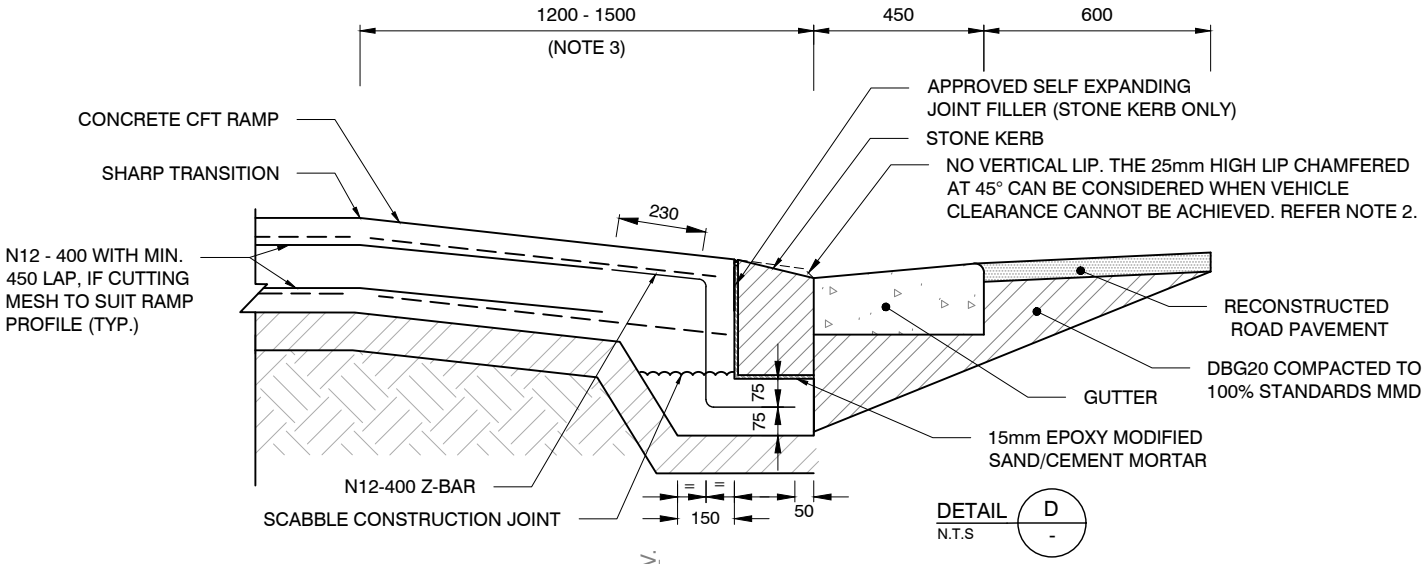
SECTION A N.T.S 2.8.1



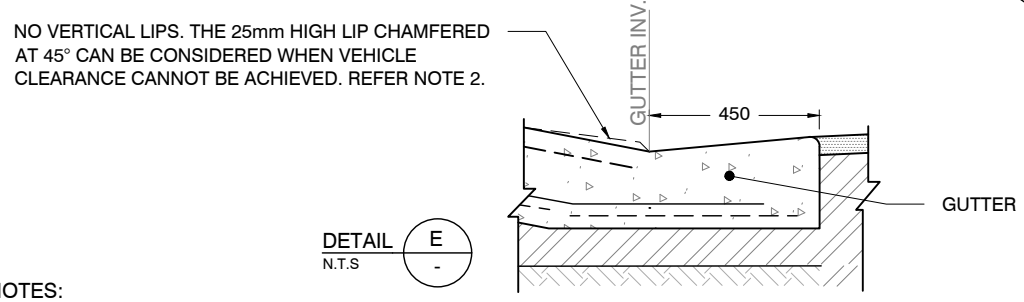
DETAIL 'E.J' N.T.S B 2.8.1



DETAIL 'I.J' N.T.S C 2.8.1



DETAIL N.T.S D -



DETAIL N.T.S E -

NOTES:

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.

CITY OF SYDNEY

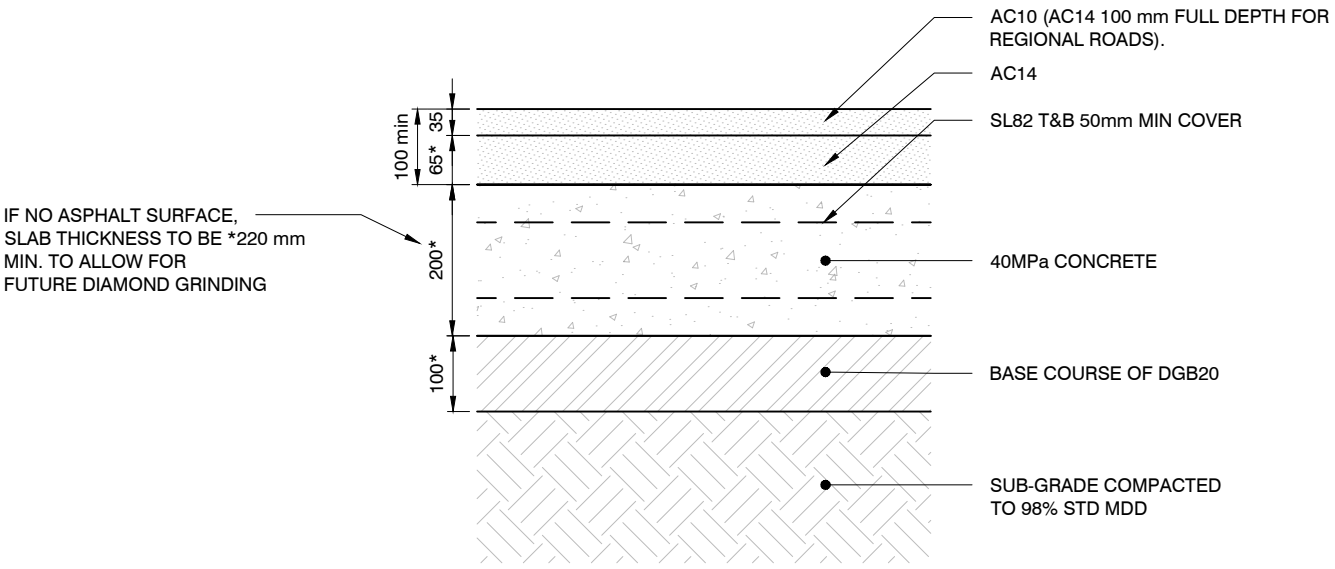
CONTINUOUS FOOTPATH TREATMENTS
SECTION AND DETAILS

FOOTPATH

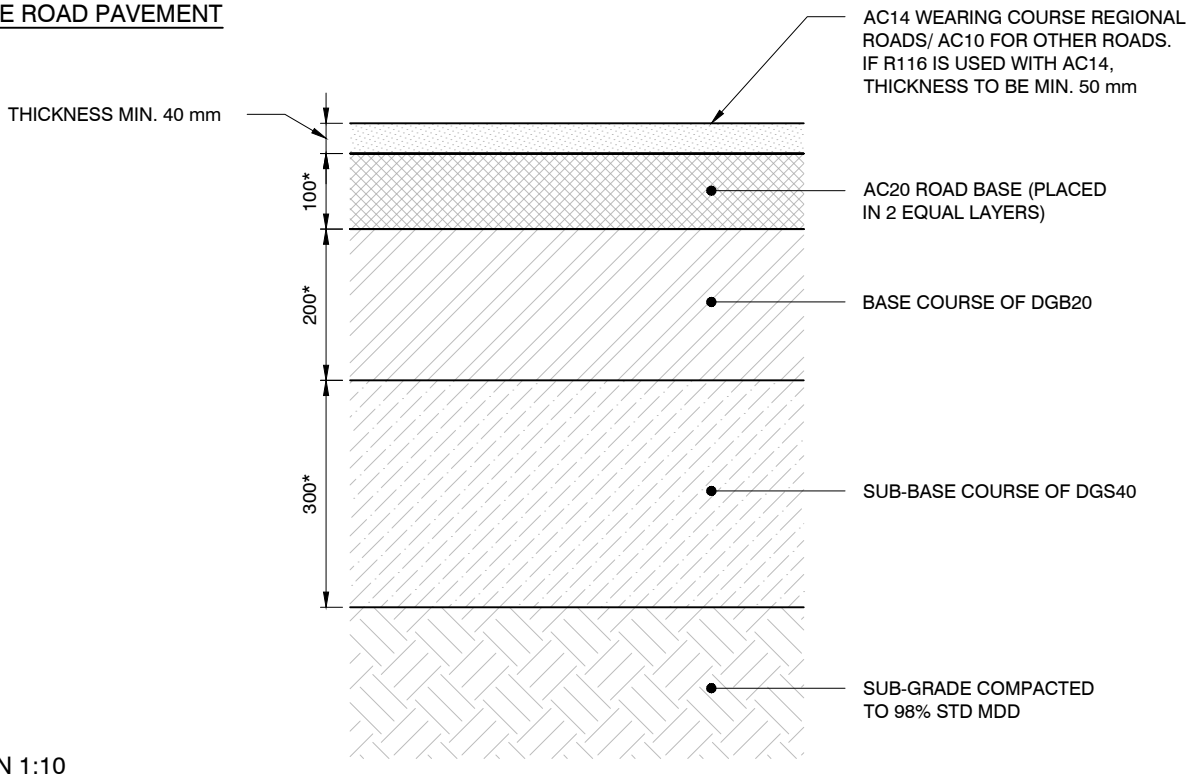
Rev	-
Date	*16.11.22*
Approved	S A

Dwg No. 2.8.2

RIGID ROAD PAVEMENT (ASPHALT SURFACE OPTIONAL)



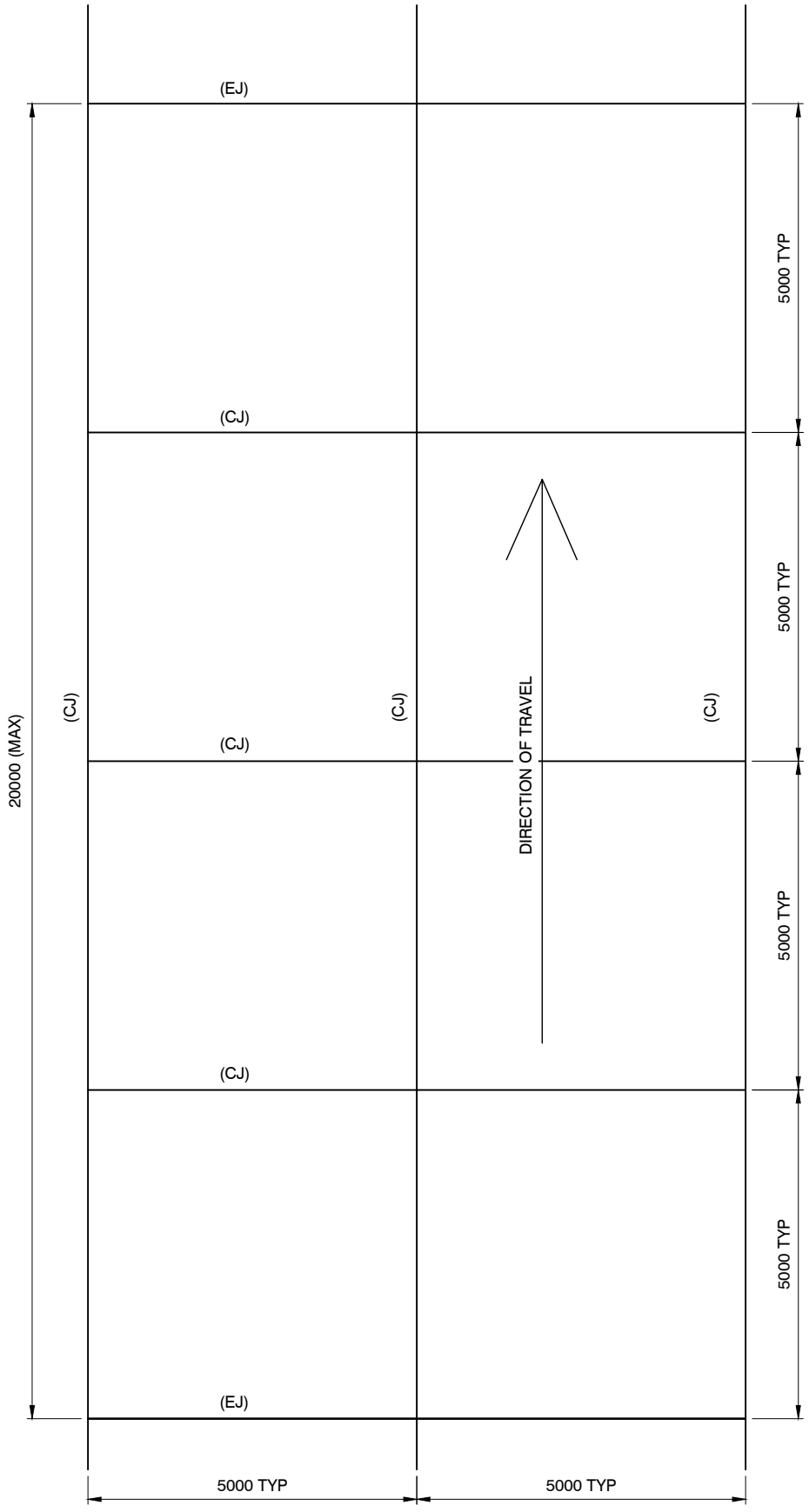
FLEXIBLE ROAD PAVEMENT



SECTION 1:10

NOTES:

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. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



NOTES:

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

ROAD PAVEMENTS

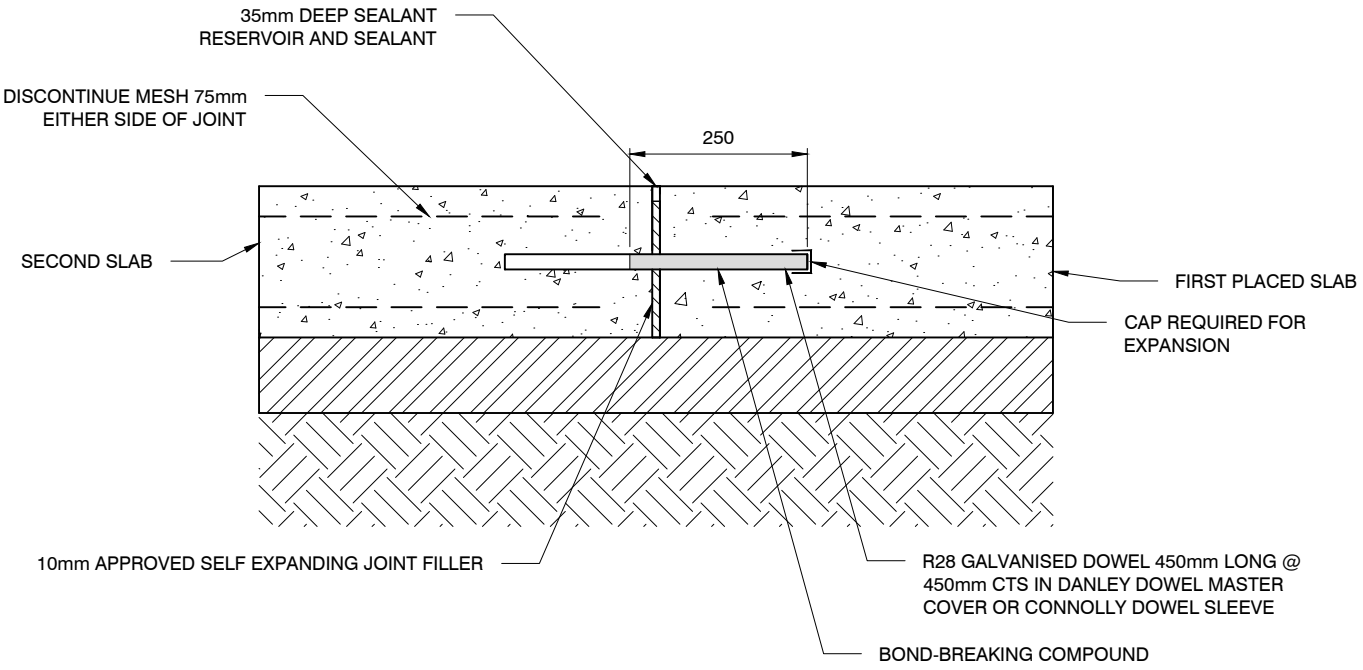
TRAFFICABLE JOINTS - PLAN

ROADWAYS

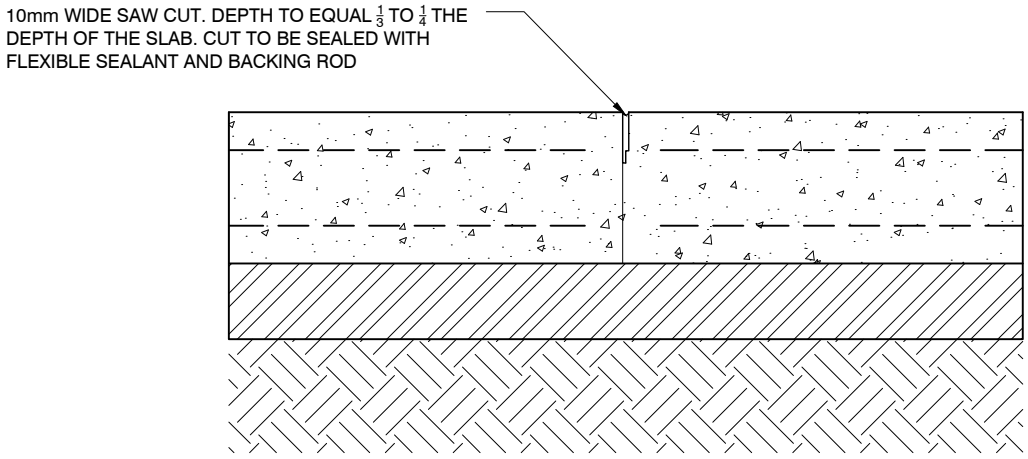
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 3.1.2

EXPANSION JOINT (EJ)



CONTRACTION JOINT/CONTROL JOINT (CJ)



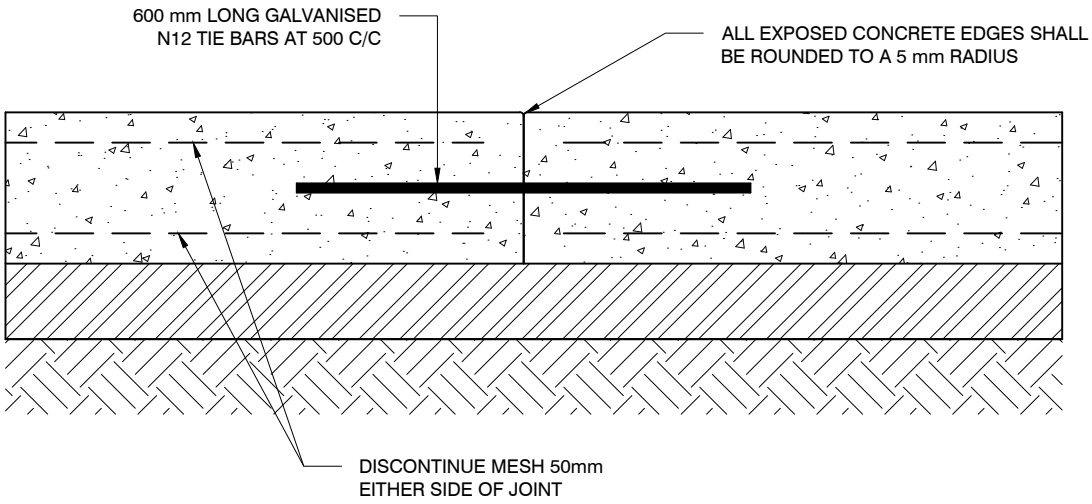
SECTION 1:10

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.

CITY OF SYDNEY	ROAD PAVEMENTS TRAFFICABLE JOINTS - EXPANSION AND CONTRACTION JOINTS	ROADWAYS **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 3.1.3

CONSTRUCTION JOINT (DCJ)

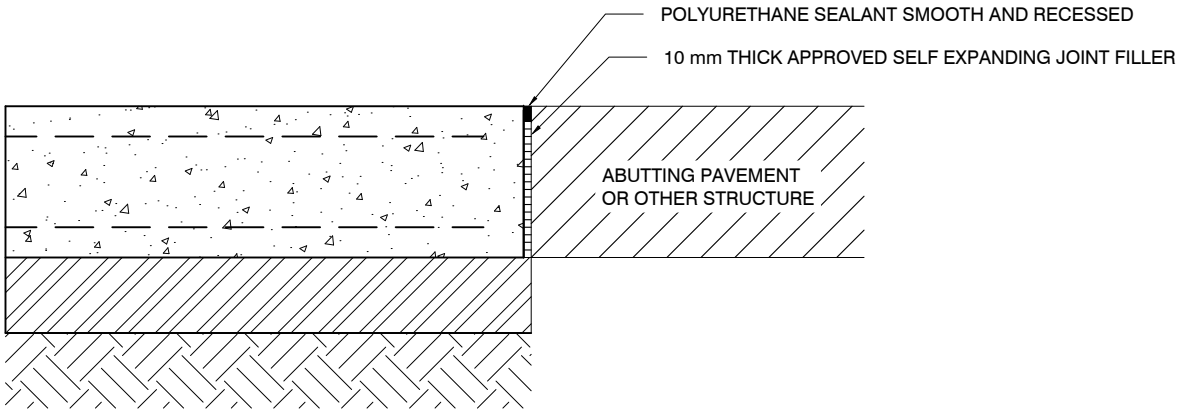


NOTES:

1. ALL TIE BARS TO BE DEFORMED BARS.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION 1:10

ISOLATION JOINT



CITY OF SYDNEY

ROAD PAVEMENTS

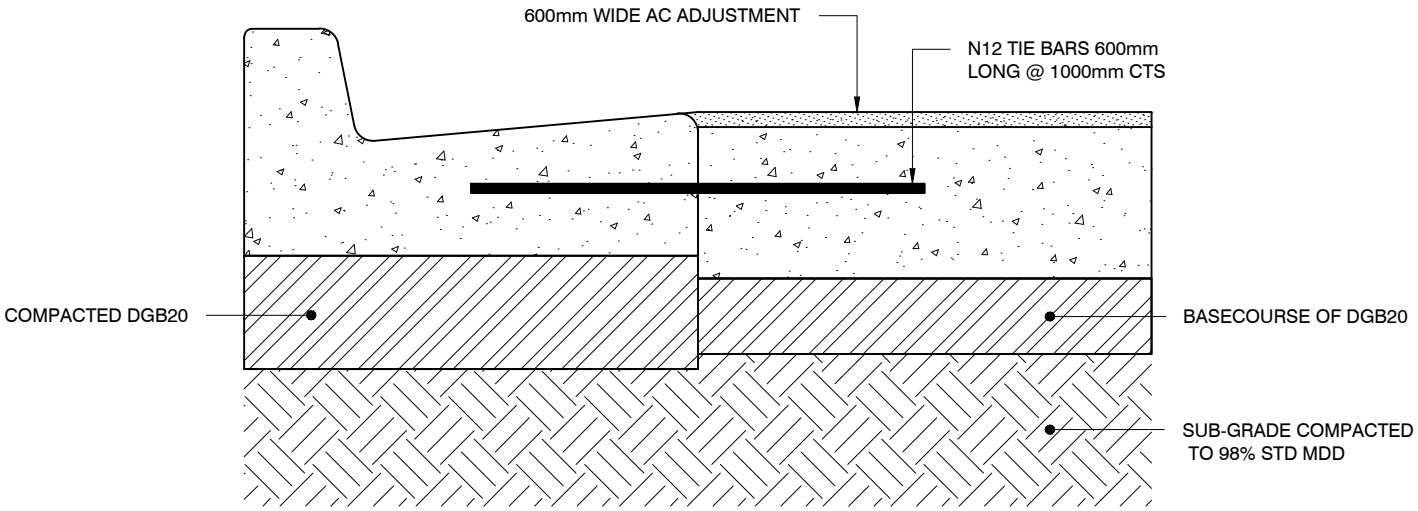
TRAFFICABLE JOINTS - CONSTRUCTION JOINT

ROADWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 3.1.4

CONCRETE ROAD



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

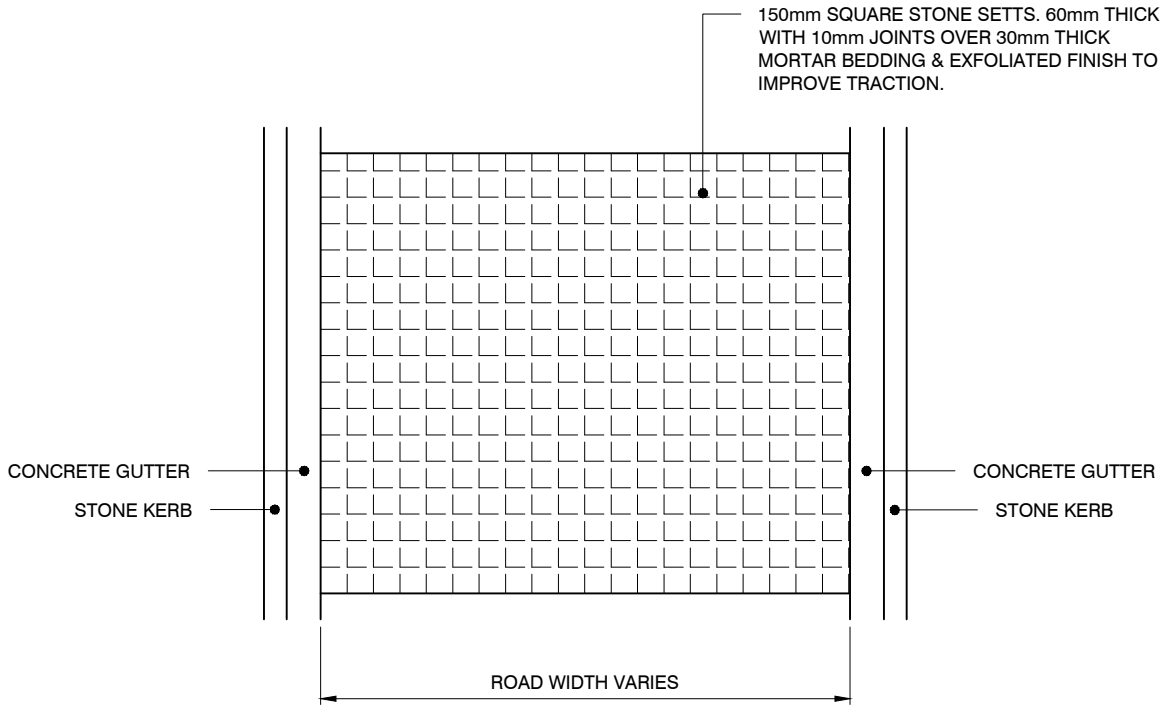
ROAD PAVEMENTS

EDGE DETAIL - CONCRETE ROAD TO CONCRETE K&G

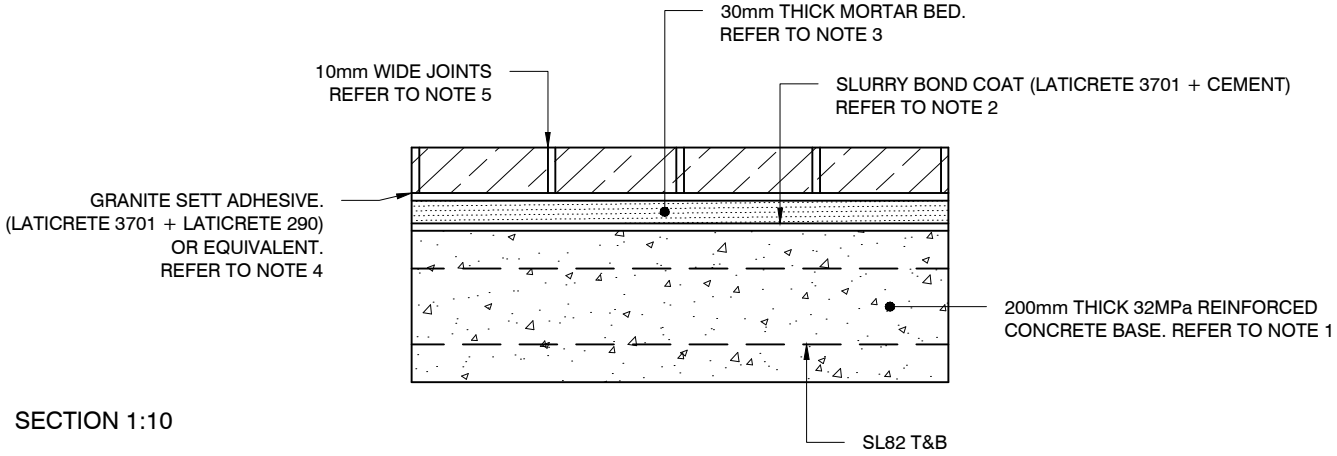
ROADWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 3.1.5



PLAN 1:100

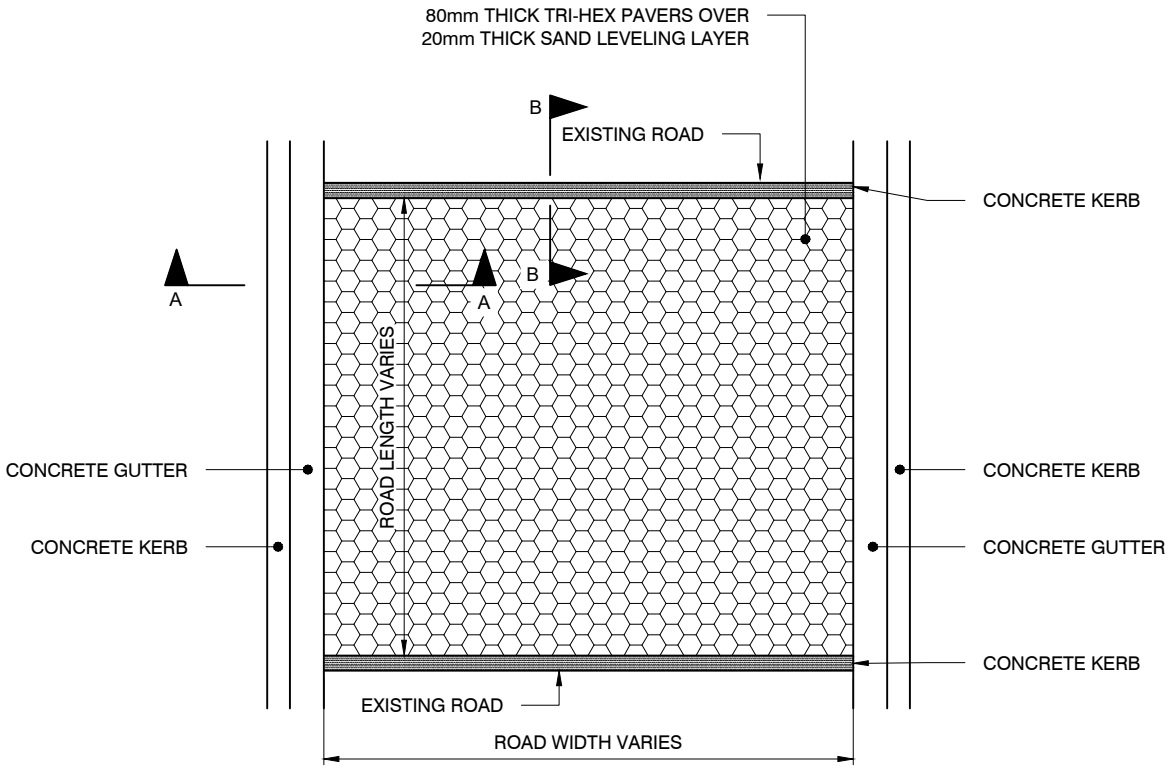


SECTION 1:10

NOTES:

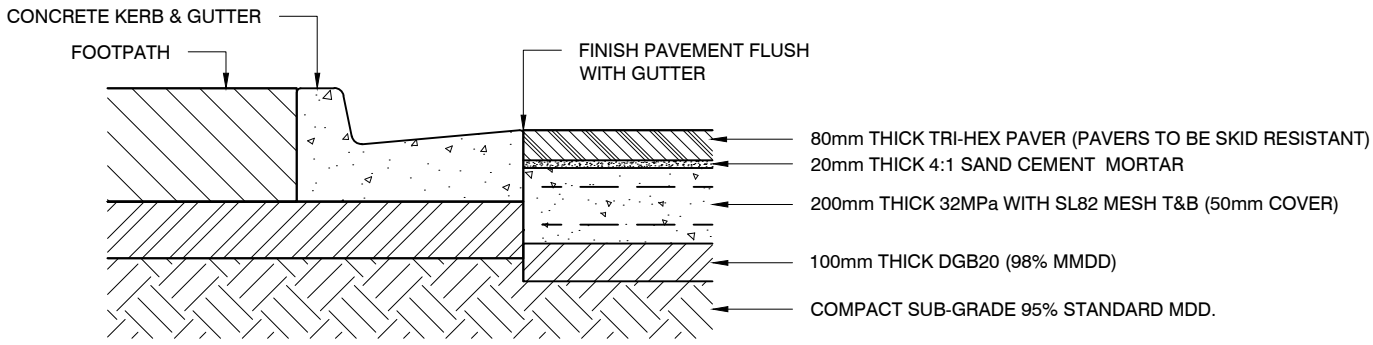
1. SURFACE SHALL BE MADE PLUMB & TRUE WITHIN 3mm AND SHALL HAVE A WOODEN FLOAT FINISH.
2. MORTAR BED SHALL BE LAID WHILE THE SLURRY BOND COAT IS STILL WET & TACKY.
3. 30mm THICK MORTAR BEDDING FINISHED TO A WOOD FLOAT QUALITY. THE BEDDING SHALL BE OF MODIFIED MORTAR (3:1 SAND:CEMENT) MIXED WITH LATICRETE 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 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 OR EQUIVALENT MORTAR ADMIX, LATICRETE 226 OR EQUIVALENT THICK BED MORTAR TO MATCH SETTS COLOUR.
6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY	ROAD PAVEMENTS STONE SETT PAVEMENT	ROADWAYS **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 3.1.9

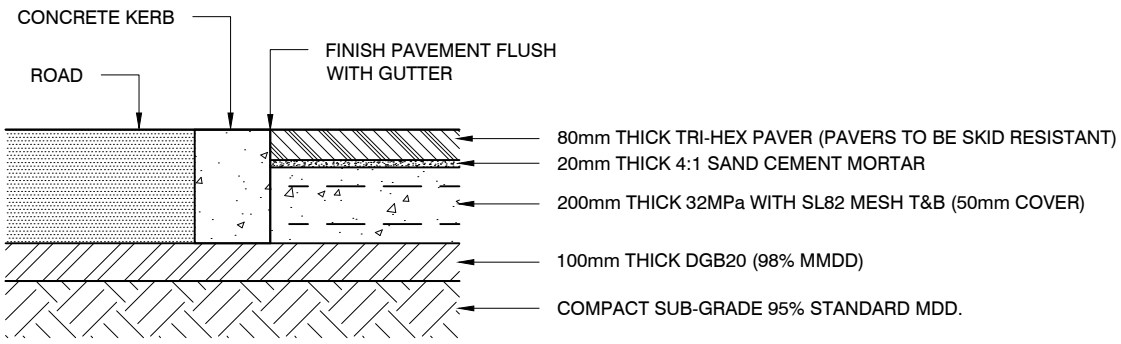


PLAN 1:100

SECTION A-A



SECTION B-B



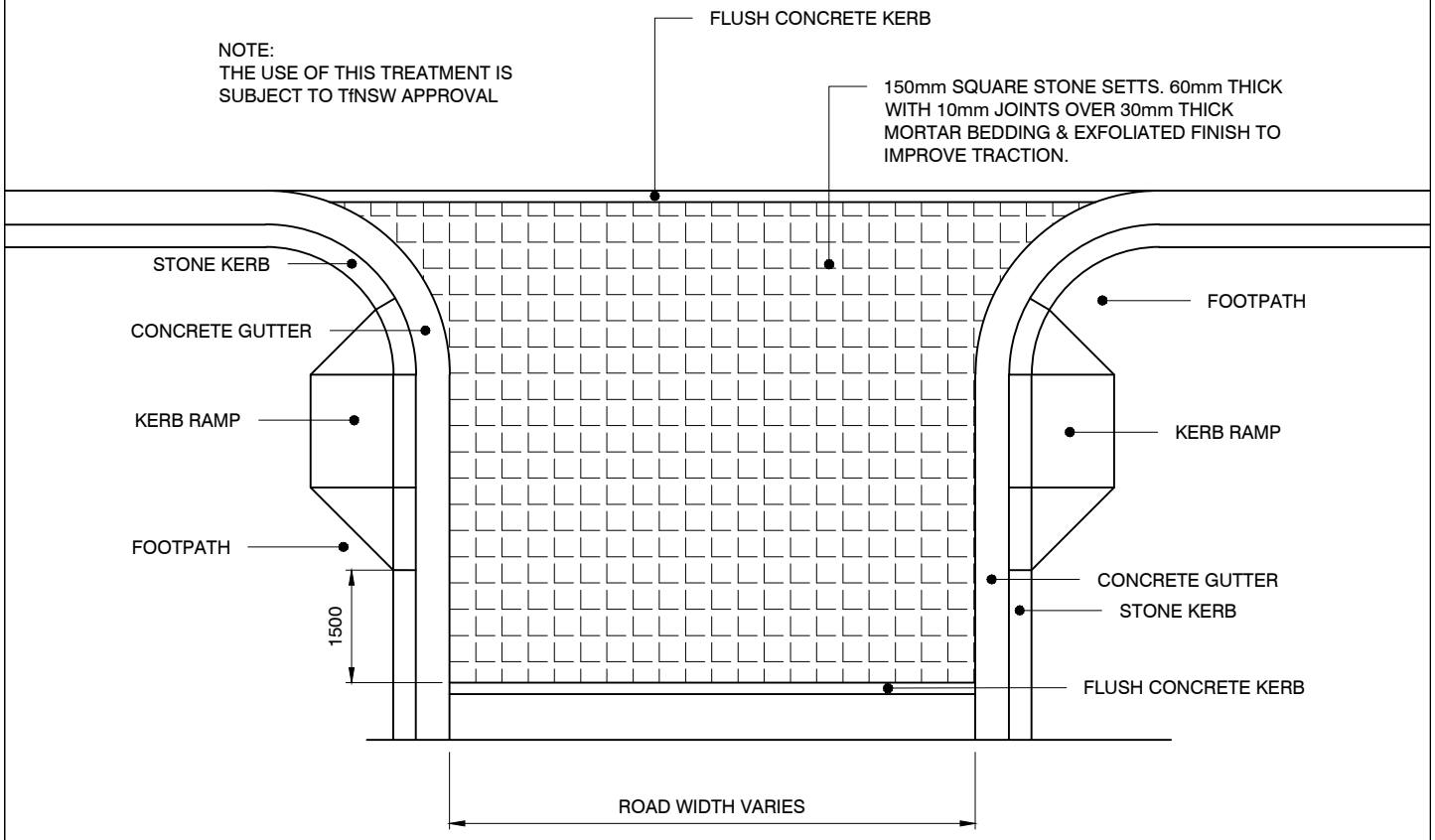
SECTION 1:20

NOTES:

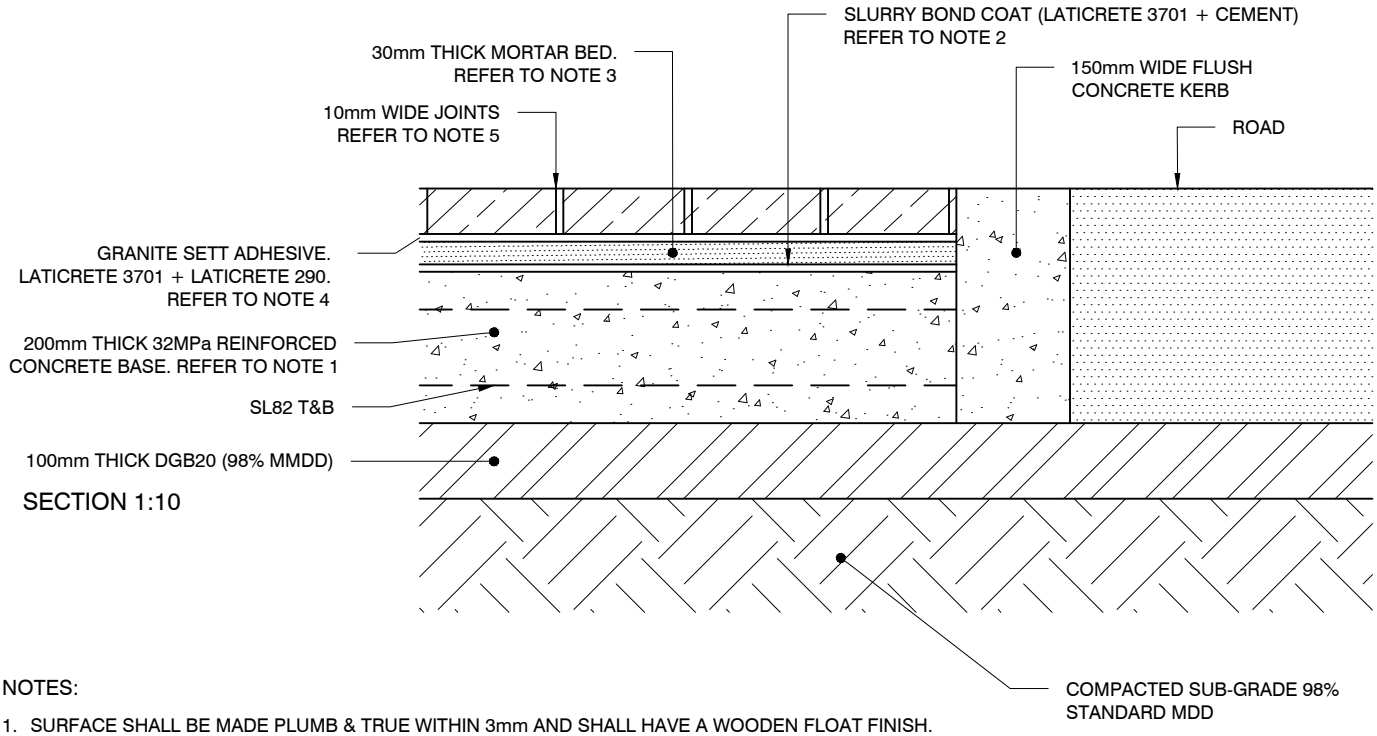
1. THESE ARE TYPICAL DRAWINGS ONLY.
2. **FOR NEW ROADS, PAVEMENT THICKNESSES SHALL BE DETERMINED BY DESIGN BASED ON SUBGRADE CBR, MATERIAL TYPE AND PROPERTIES, AND ESAS (EQUIVALENT STANDARD AXLES). ALL PAVEMENT DESIGN REQUIREMENTS AND PROCEDURES SET IN SECTION "A3 ROADS AND STRUCTURES DESIGN" SHALL BE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

CITY OF SYDNEY	ROAD PAVEMENTS CONCRETE UNIT PAVEMENT	ROADWAYS **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 3.1.10

NOTE:
THE USE OF THIS TREATMENT IS SUBJECT TO TfNSW APPROVAL



PLAN 1:100



SECTION 1:10

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 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. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

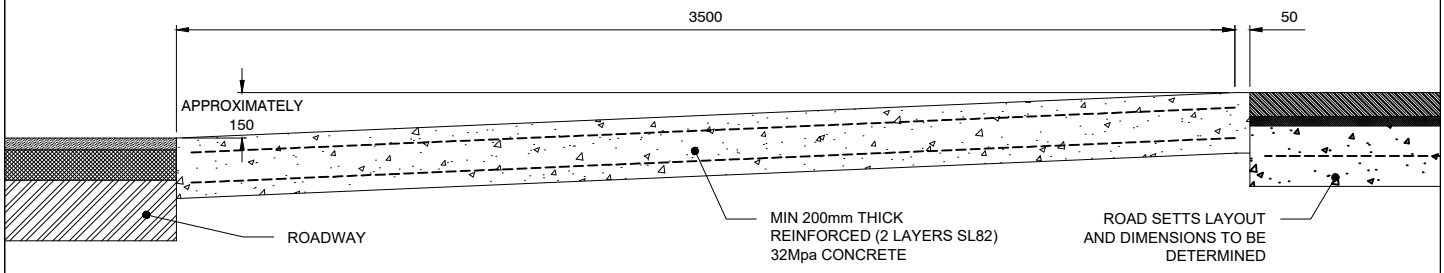
CITY OF SYDNEY

ROAD PAVEMENTS
FLUSH PAVING PEDESTRIAN CROSSING

ROADWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 3.1.11



NOTES:

1. RAMP CONCRETE TO BE COLOURED BLACK WITH OXIDE
2. PIANO KEY LINE MARKING TO BE IN ACCORDANCE WITH AS1742.13
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION 1:25

CITY OF SYDNEY

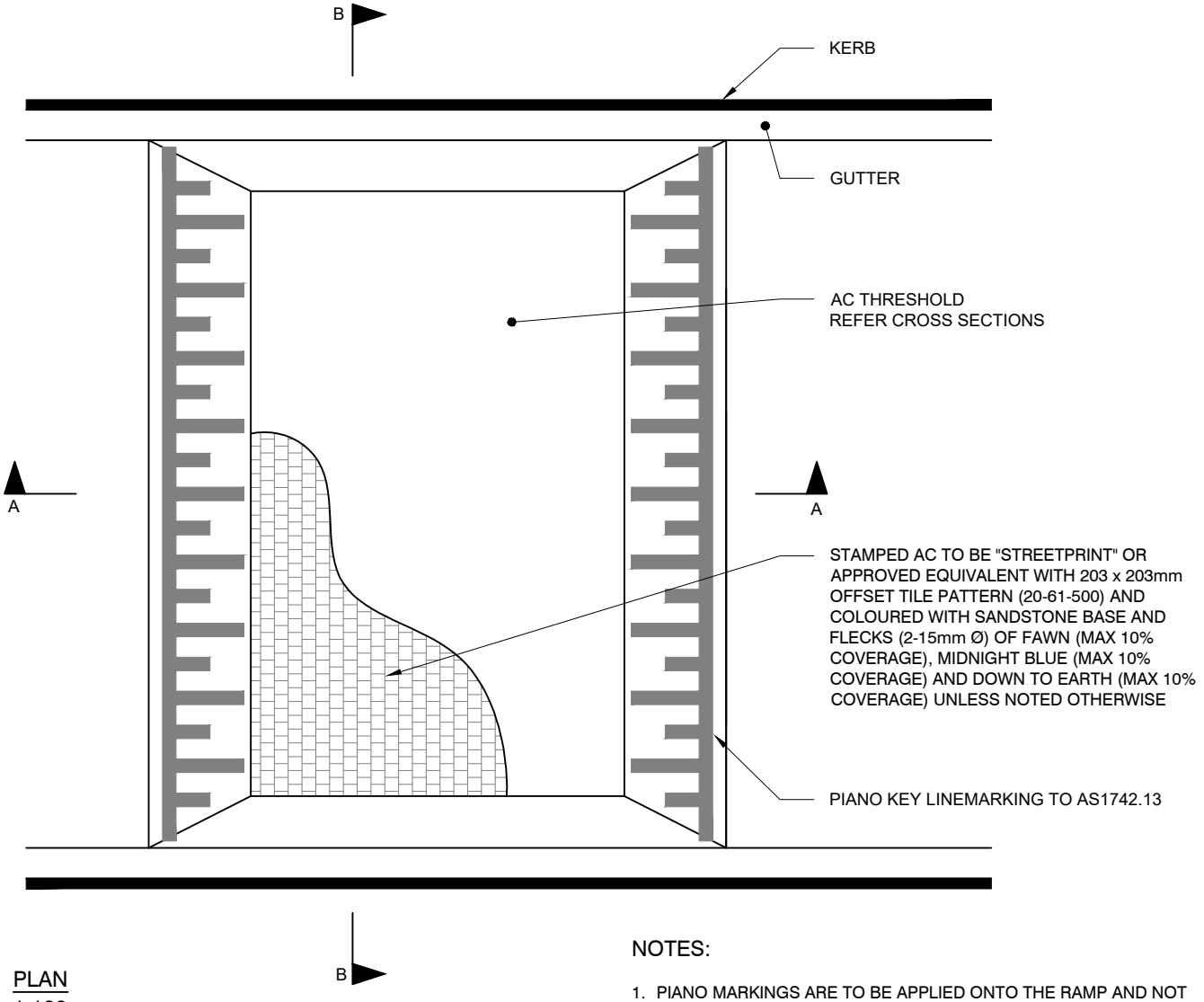
ROAD PAVEMENTS

ROAD INTERSECTION RAMPS
(GEORGE ST PEDESTRIAN ZONE)

ROADWAYS

Rev	D
Date	*01.12.19*
Approved	P S

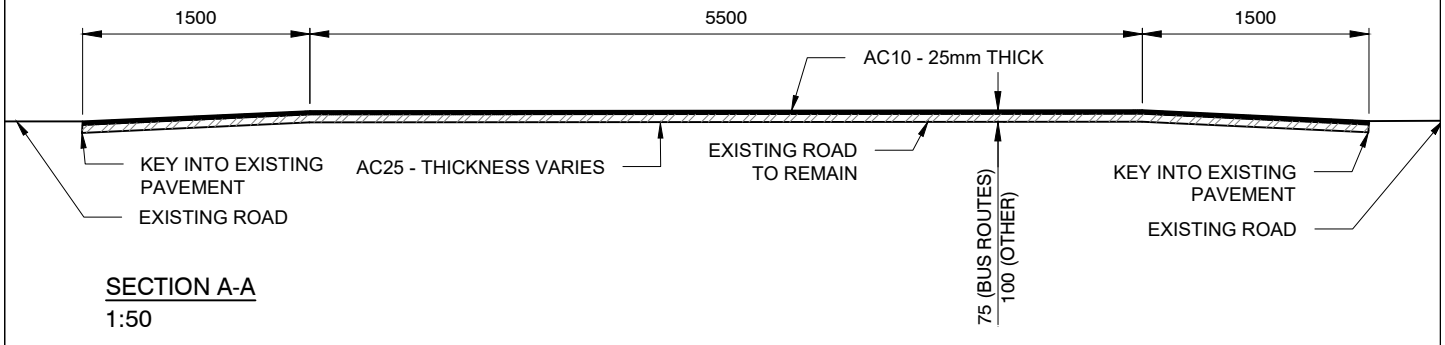
Dwg No.
3.1.12



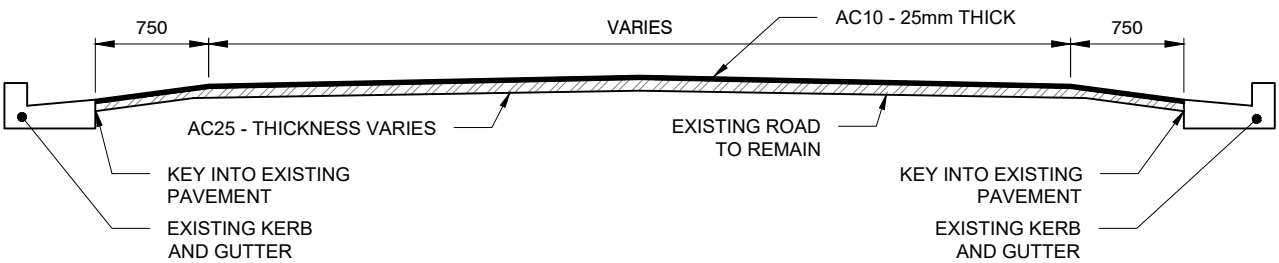
PLAN
1:100

NOTES:

1. PIANO MARKINGS ARE TO BE APPLIED ONTO THE RAMP AND NOT ONTO THE PRECEDING ASPHALT.
2. ON FLAT GRADES A 0.3m DRAINAGE CHANNEL MAY BE REQUIRED.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION A-A
1:50



SECTION B-B
1:50

CITY OF SYDNEY

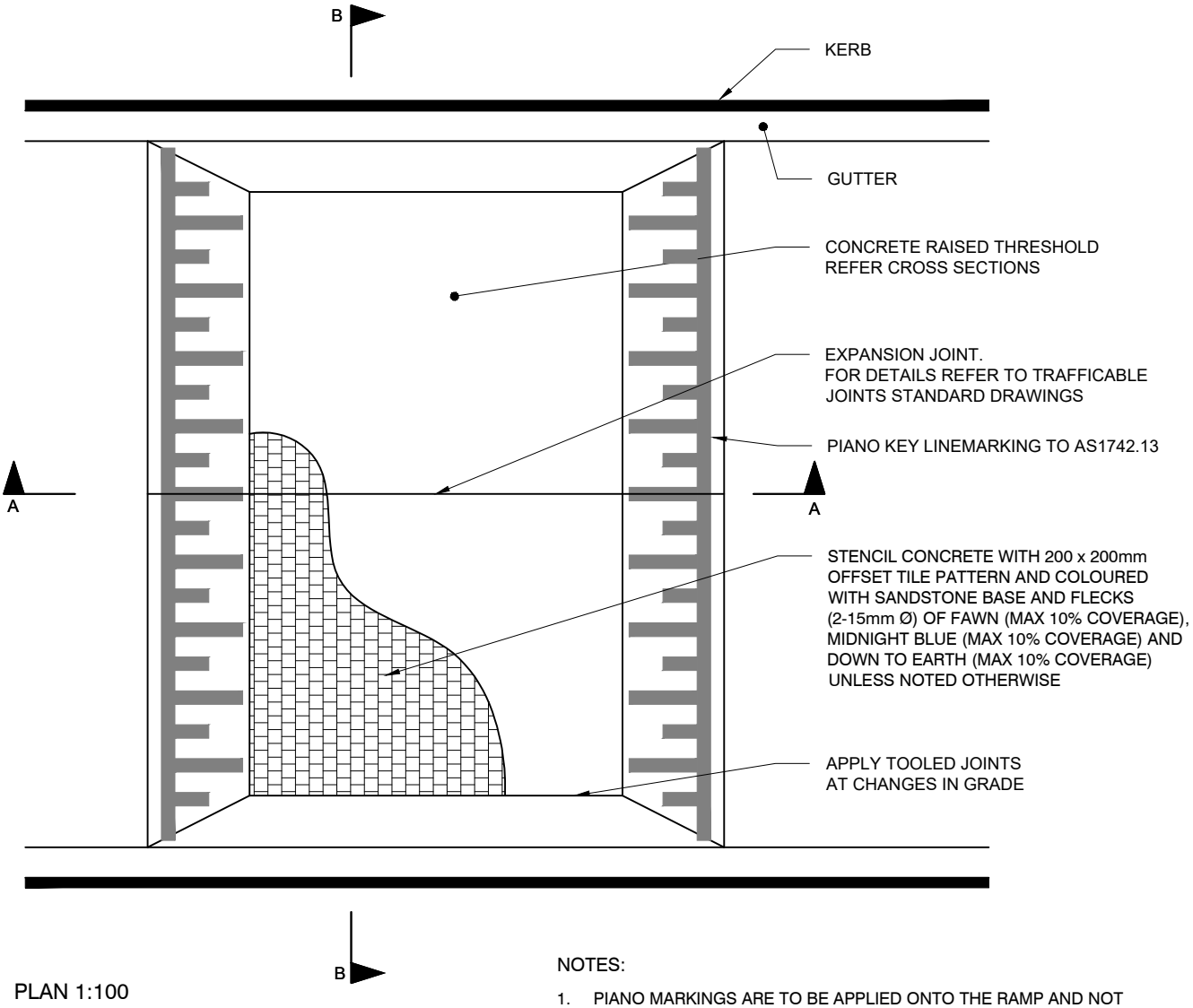
PCTC

RAISED PLATFORM - ASPHALT

ROADWAYS

Rev	D
Date	*01.12.19*
Approved	P S

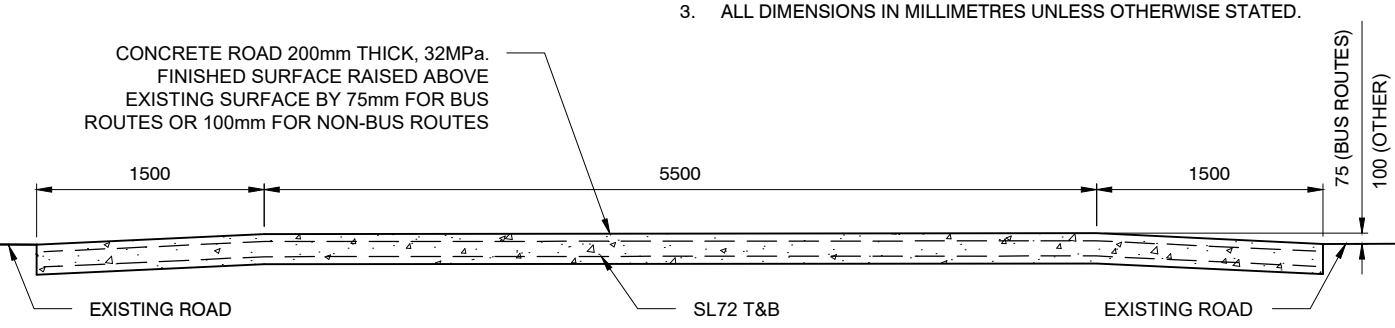
Dwg No. 3.2.1



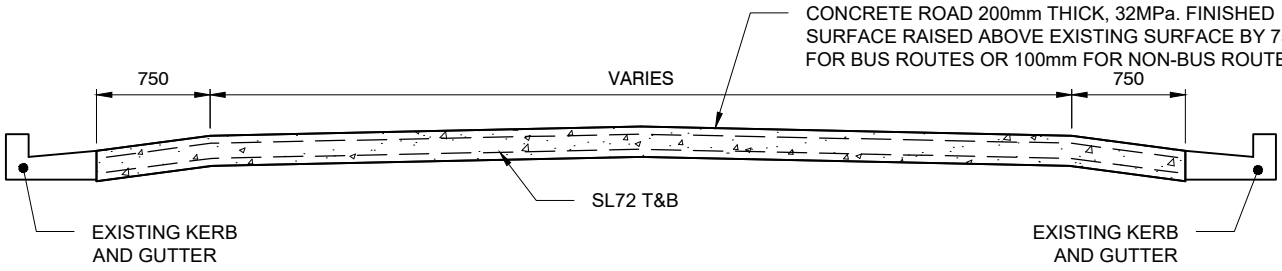
PLAN 1:100

NOTES:

1. PIANO MARKINGS ARE TO BE APPLIED ONTO THE RAMP AND NOT ONTO THE PRECEDING ASPHALT.
2. ON FLAT GRADES A 0.3m DRAINAGE CHANNEL MAY BE REQUIRED.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



SECTION A-A
1:50



SECTION B-B
1:50

CITY OF SYDNEY

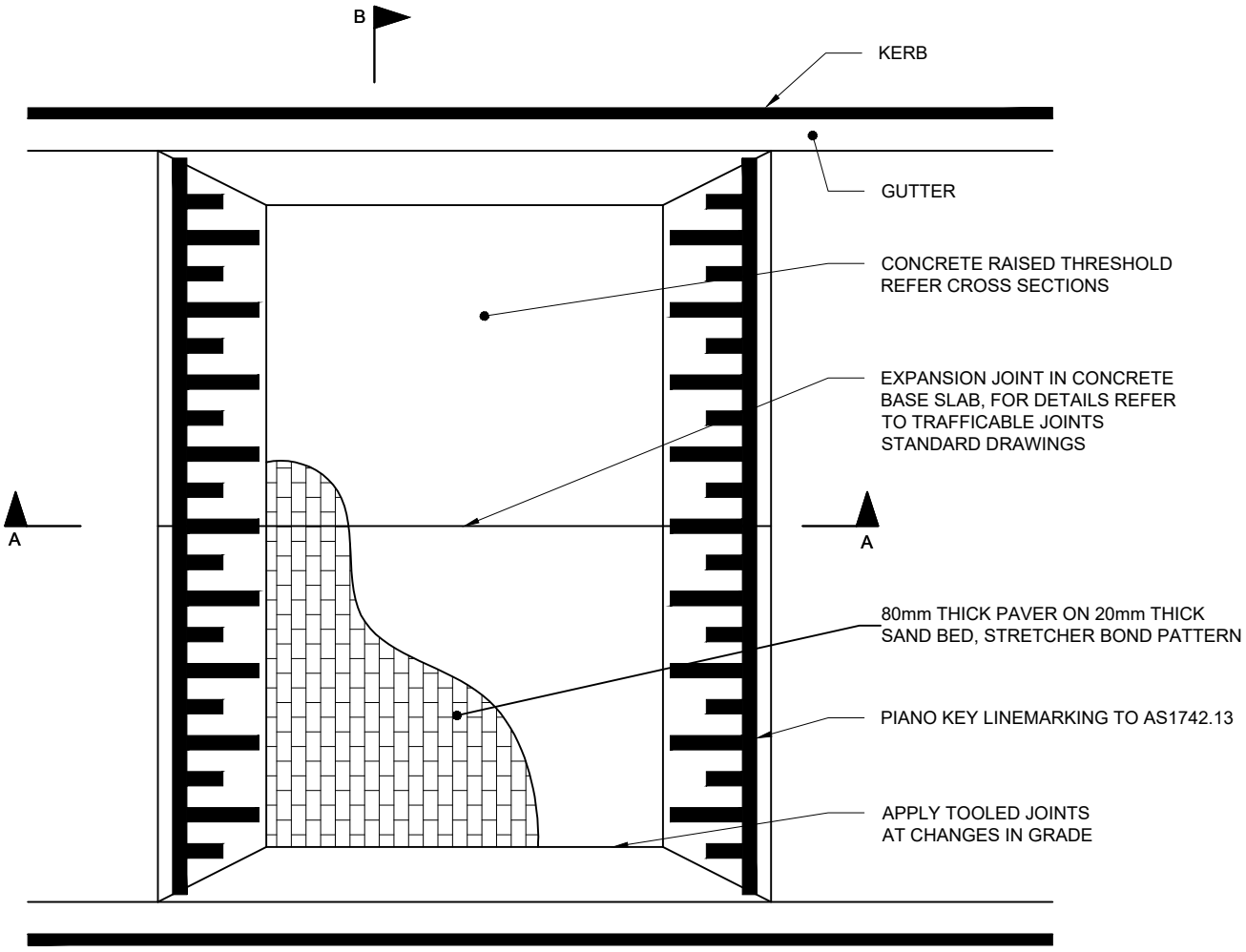
PCTC

RAISED PLATFORM - CONCRETE

ROADWAYS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 3.2.2

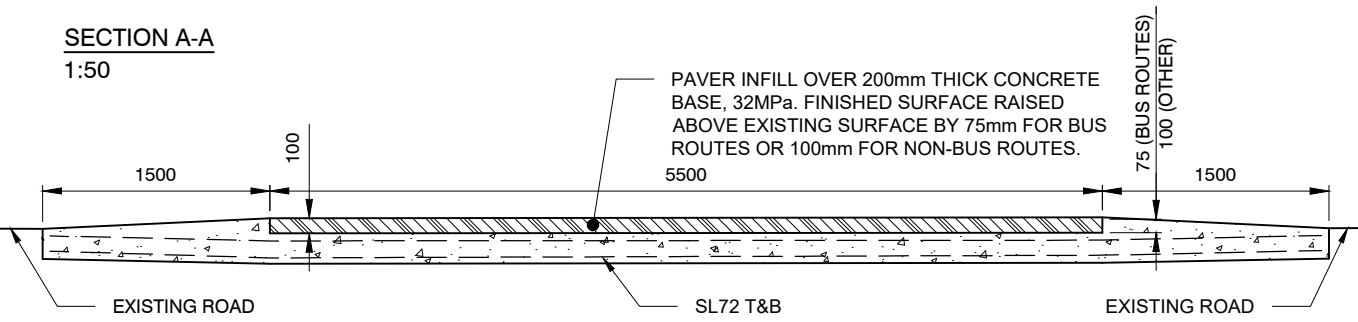


PLAN 1:100

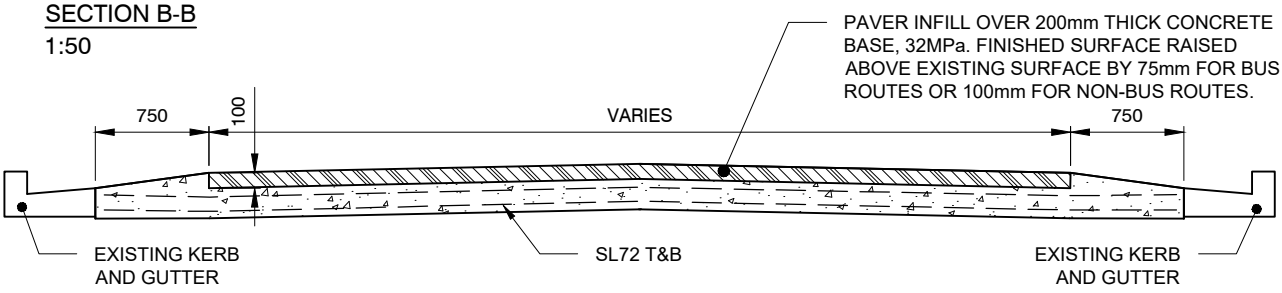
NOTES:

1. PIANO MARKINGS ARE TO BE APPLIED ONTO THE RAMP AND NOT ONTO THE PRECEDING ASPHALT.
2. ON FLAT GRADES A 0.3m DRAINAGE CHANNEL MAY BE REQUIRED.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

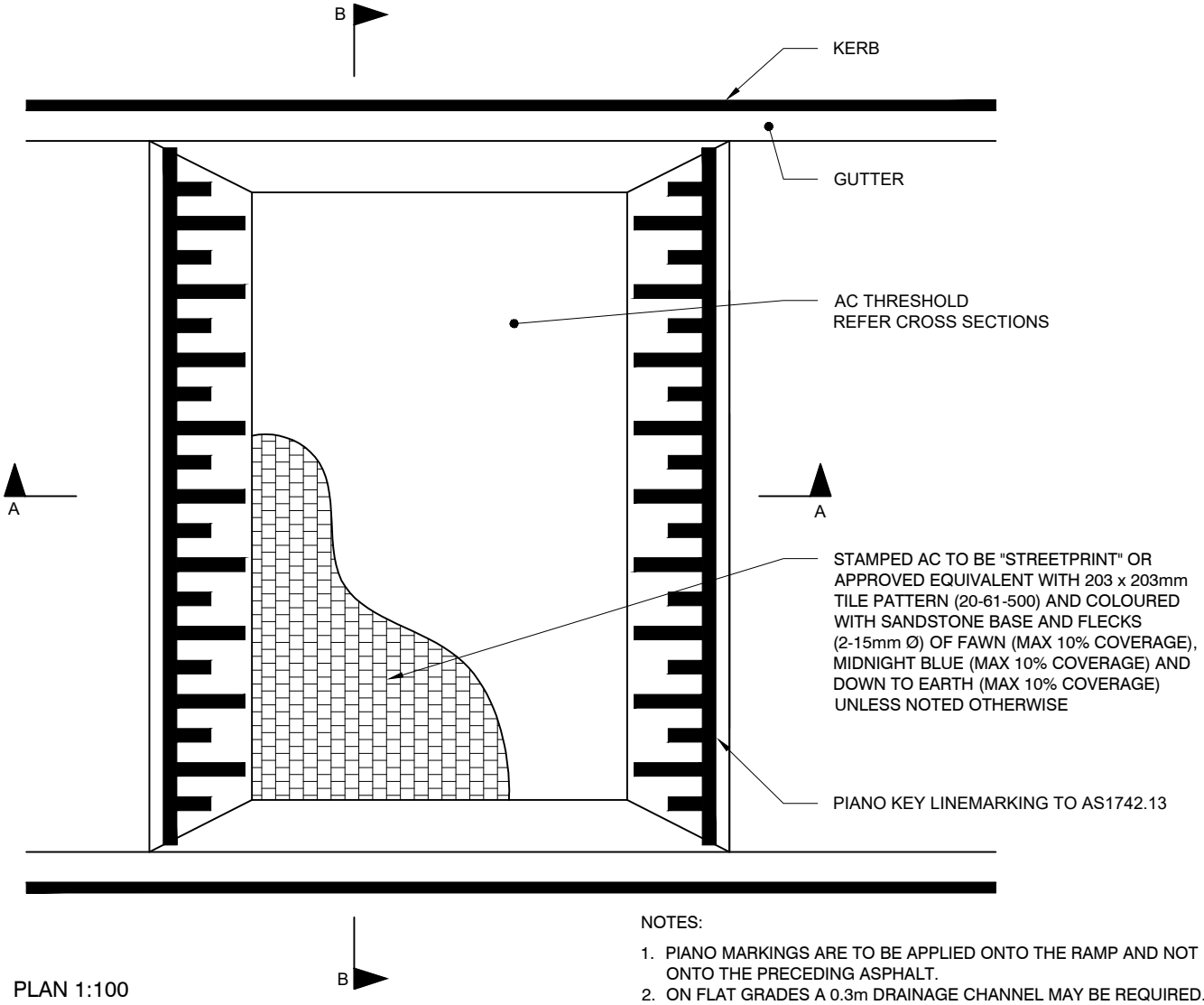
SECTION A-A
1:50



SECTION B-B
1:50



CITY OF SYDNEY	PCTC RAISED PLATFORM - PAVER IN-FILL	ROADWAYS **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 3.2.3

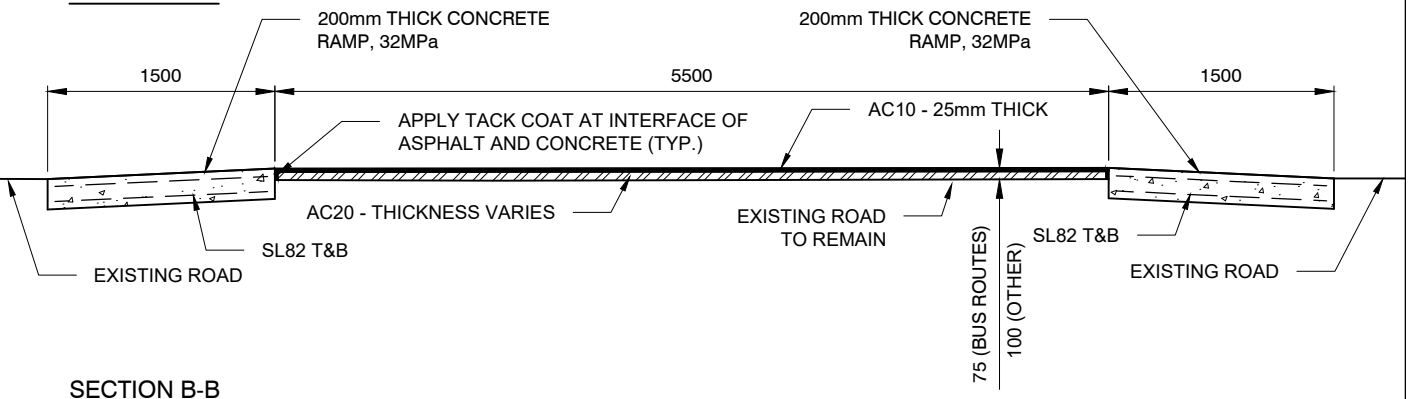


PLAN 1:100

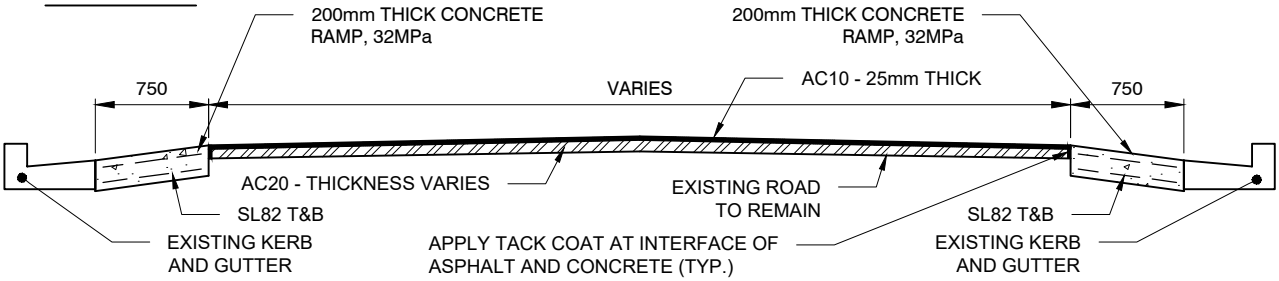
NOTES:

1. PIANO MARKINGS ARE TO BE APPLIED ONTO THE RAMP AND NOT ONTO THE PRECEDING ASPHALT.
2. ON FLAT GRADES A 0.3m DRAINAGE CHANNEL MAY BE REQUIRED.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION A-A



SECTION B-B



SECTION 1:50

CITY OF SYDNEY

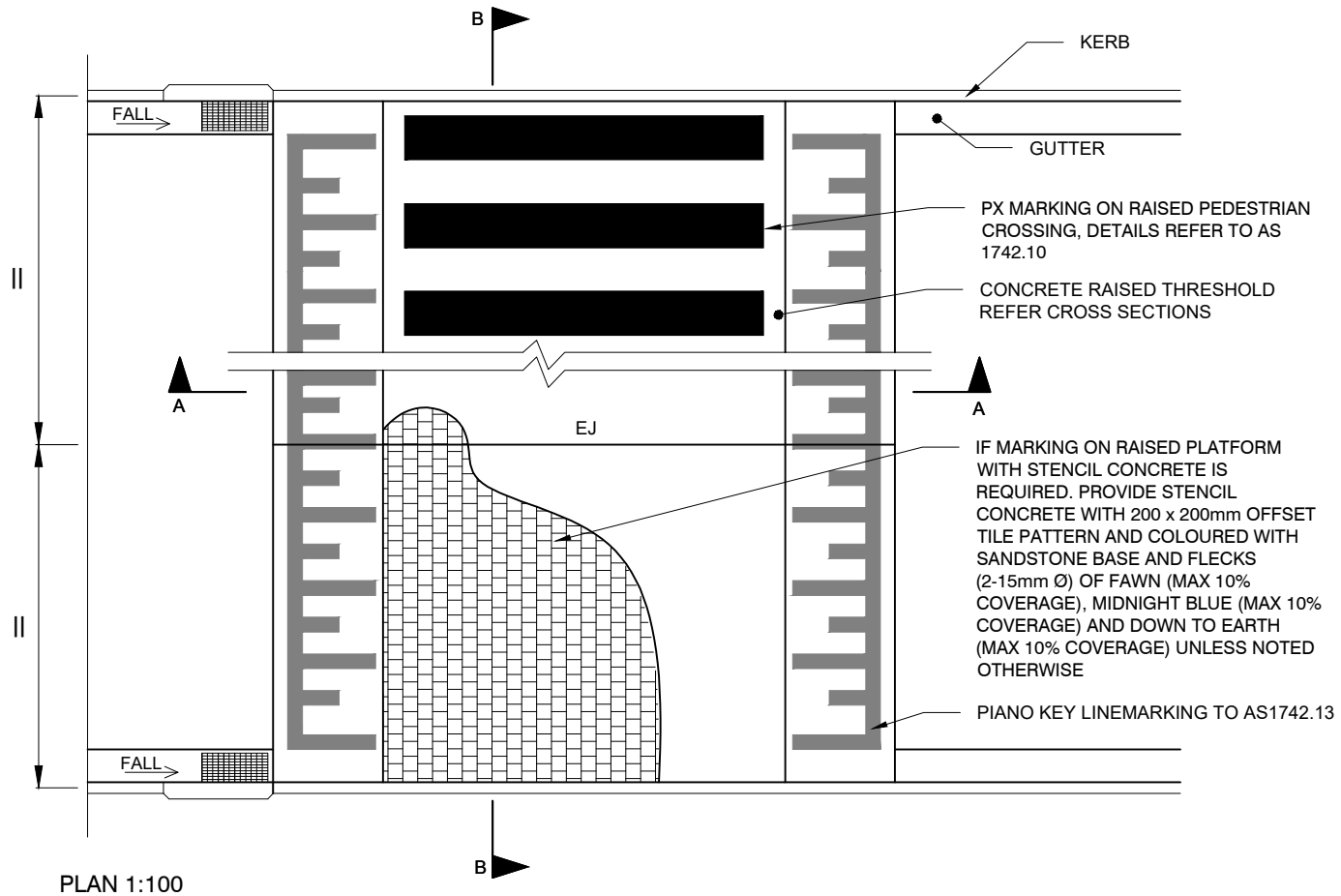
PCTC

RAISED PLATFORM - ASPHALT WITH CONCRETE RAMPS

ROADWAYS

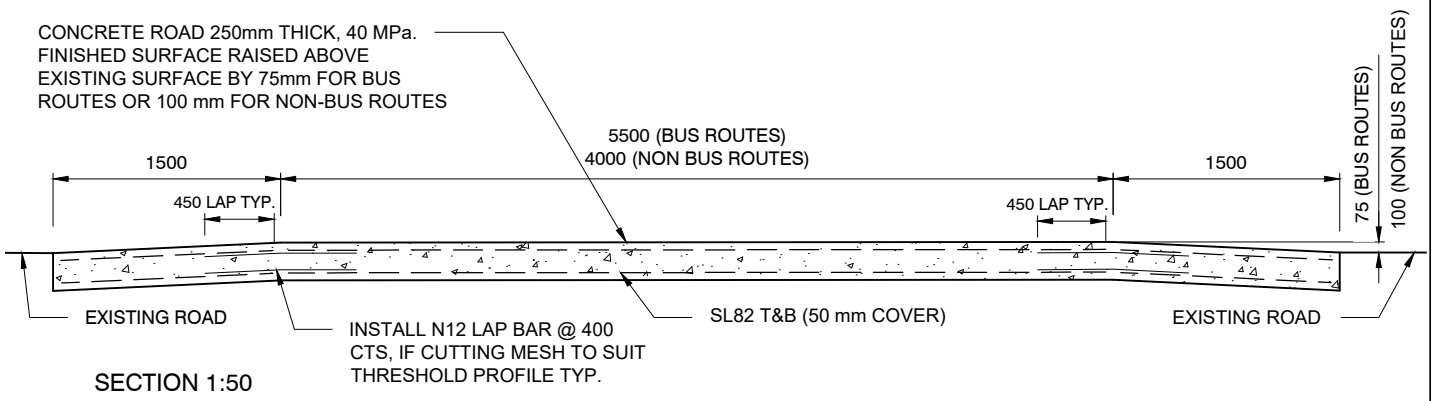
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 3.2.4



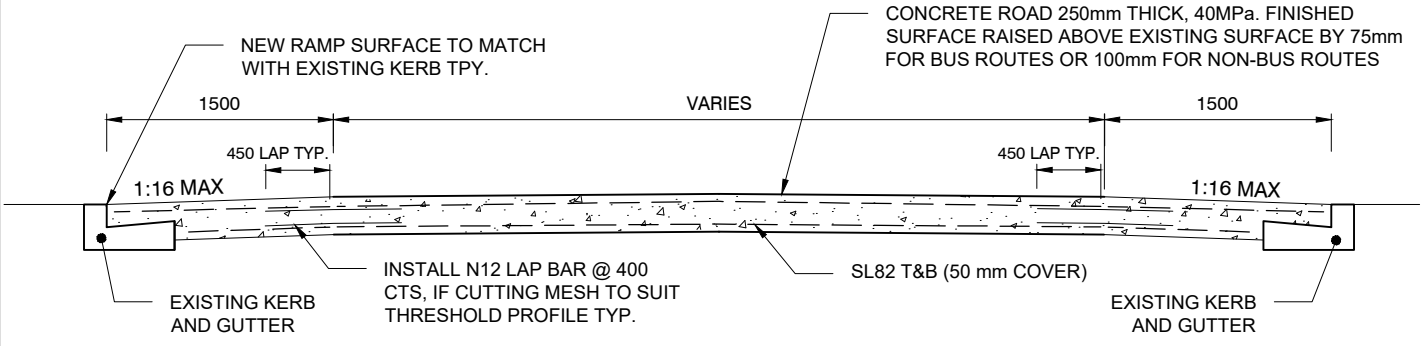
PLAN 1:100

NOTE: EJ DENOTES EXPANSION JOINT. FOR DETAILS, REFER TO DRAWING NO. 3.1.3



SECTION 1:50

SECTION A-A

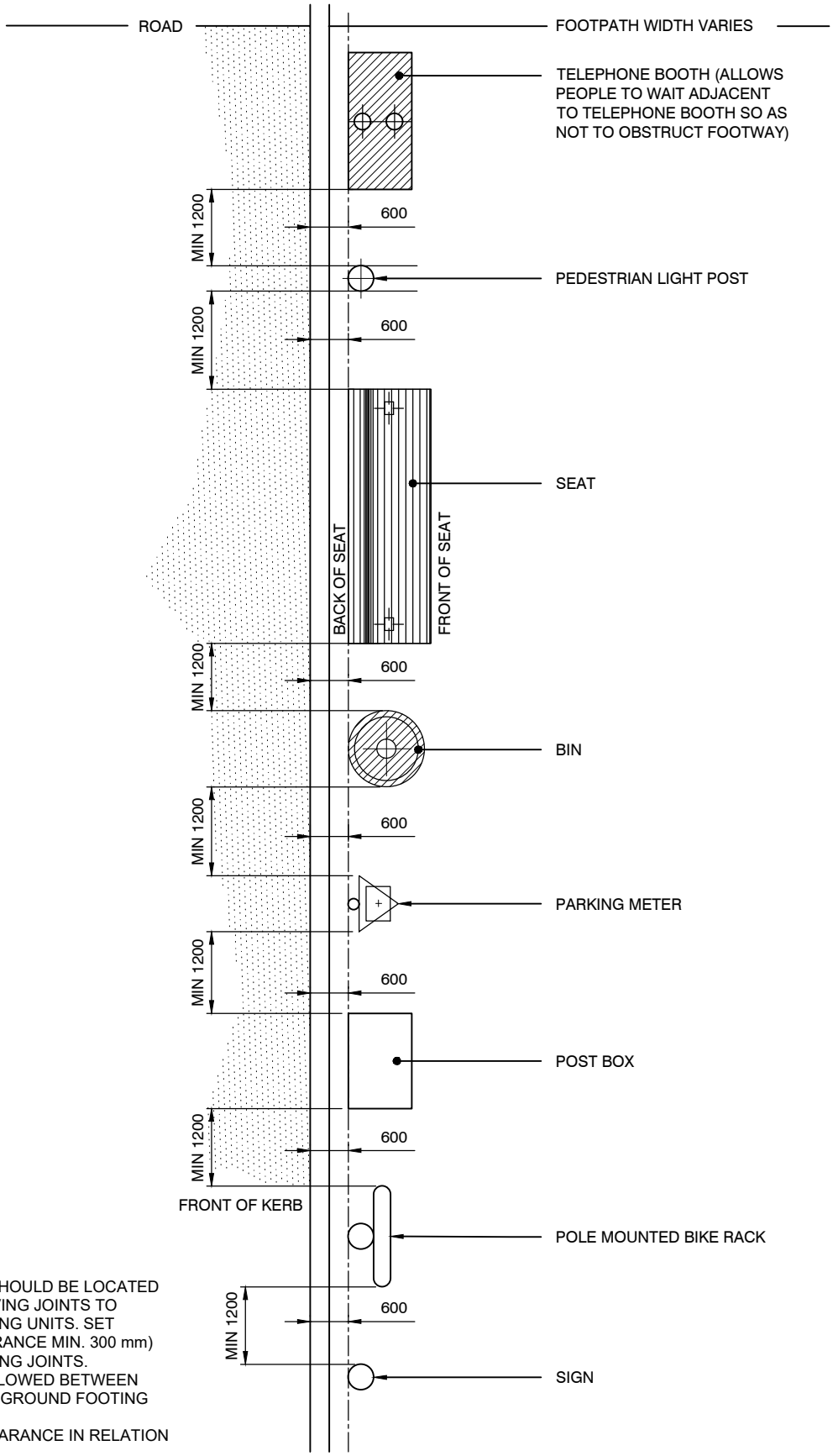


SECTION B-B

SECTION 1:50

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	PCTC RAISED PLATFORM - CONCRETE	ROADWAYS **Rev** - **Date** *16.11.22* **Approved** S A Dwg No. 3.2.5



NOTES:

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.
2. 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

PLAN 1:100

CITY OF SYDNEY

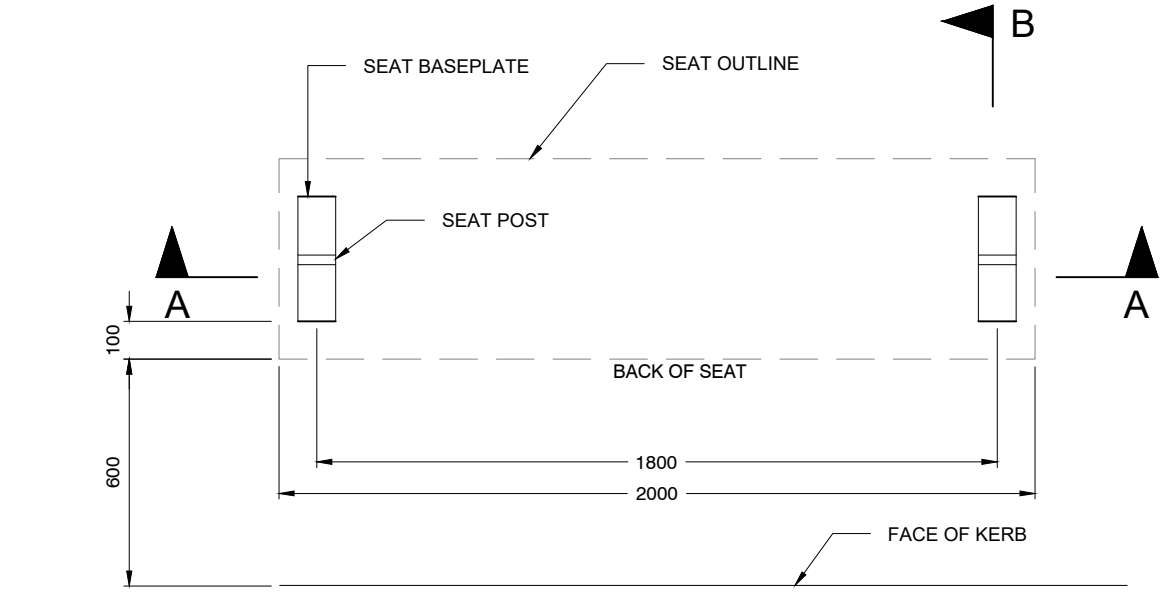
FIXTURES

TYPICAL LAYOUTS - FIXTURE ALIGNMENTS

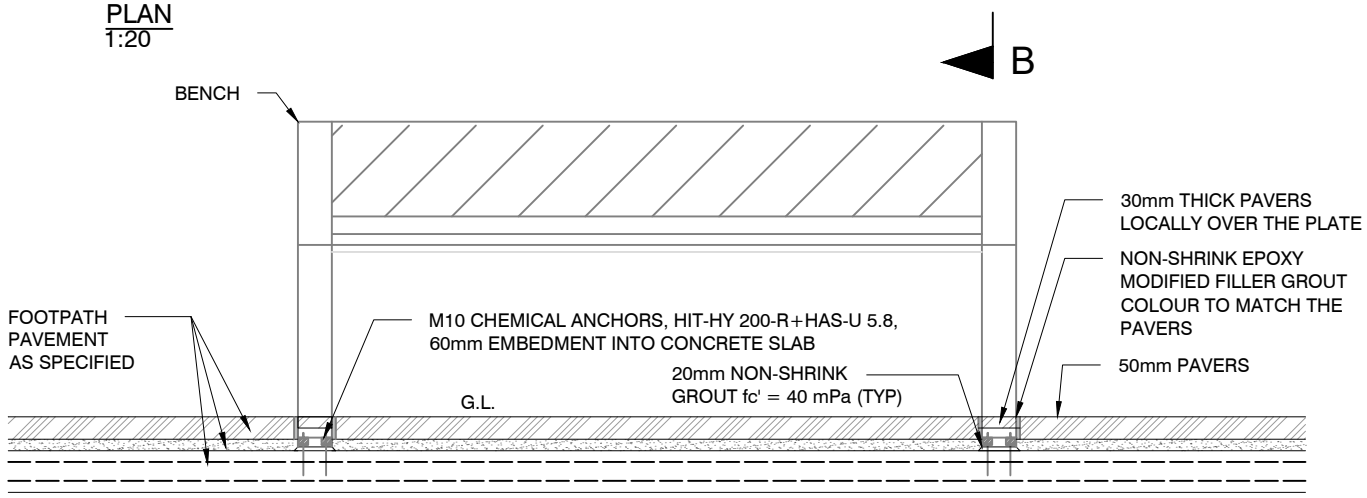
FURNITURE

Rev	D
Date	*01.12.19*
Approved	P S

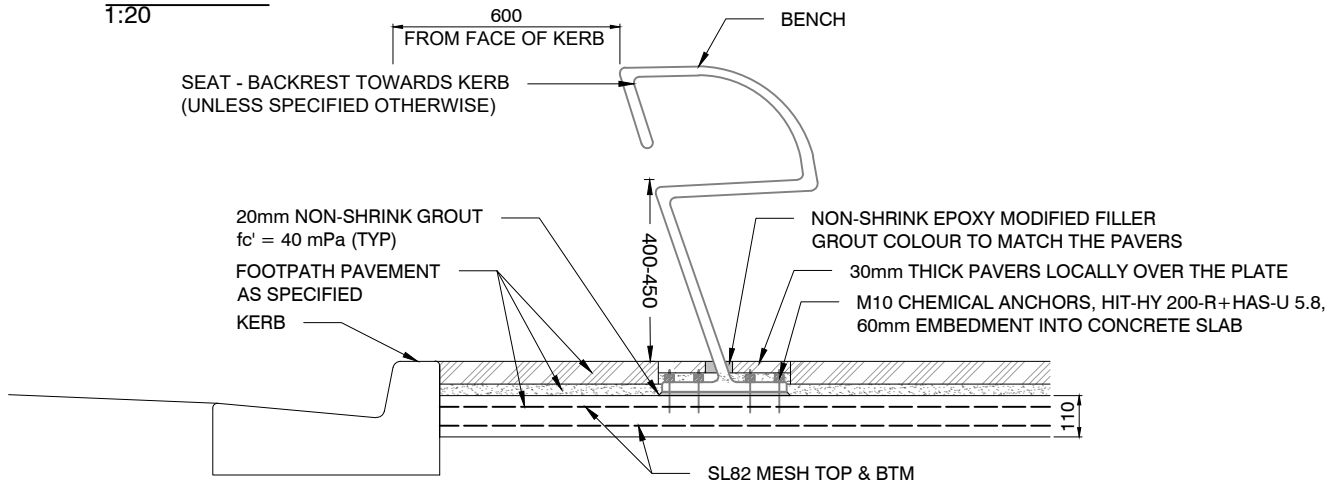
Dwg No. 4.1.1



PLAN
1:20



SECTION A-A
1:20



SECTION B-B
1:20

NOTES:

1. CONCRETE GRADE f'C = 32 MPa.
2. ALL CONCRETE COVER TO BE 50 mm.
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.
5. THE FOUNDATION HAVE BEEN DESIGNED FOR AN MINIMUM ALLOWABLE BEARING PRESSURE OF 150 kPa.
6. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.
7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

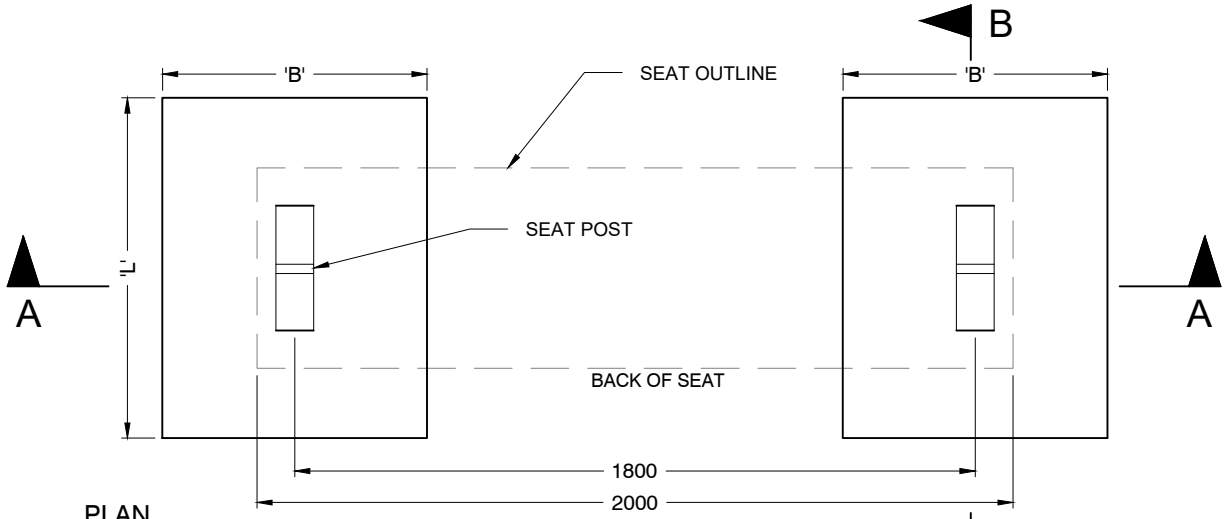
SEATS

TZANNES SEAT FOOTING DETAILS - SHEET 1

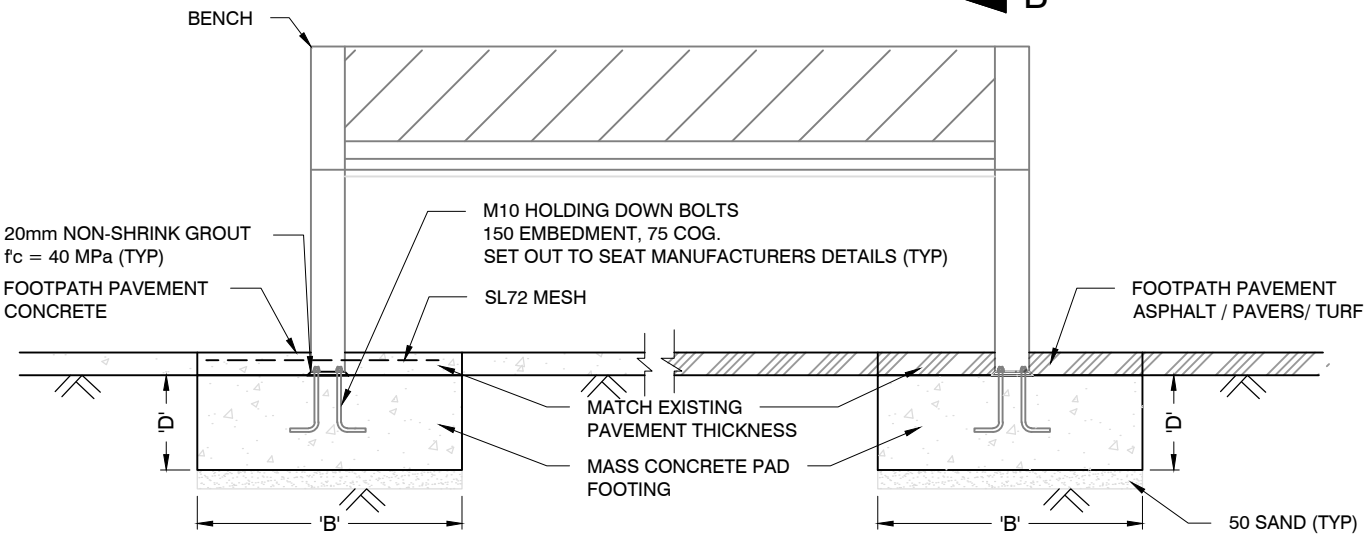
FURNITURE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 4.2.1

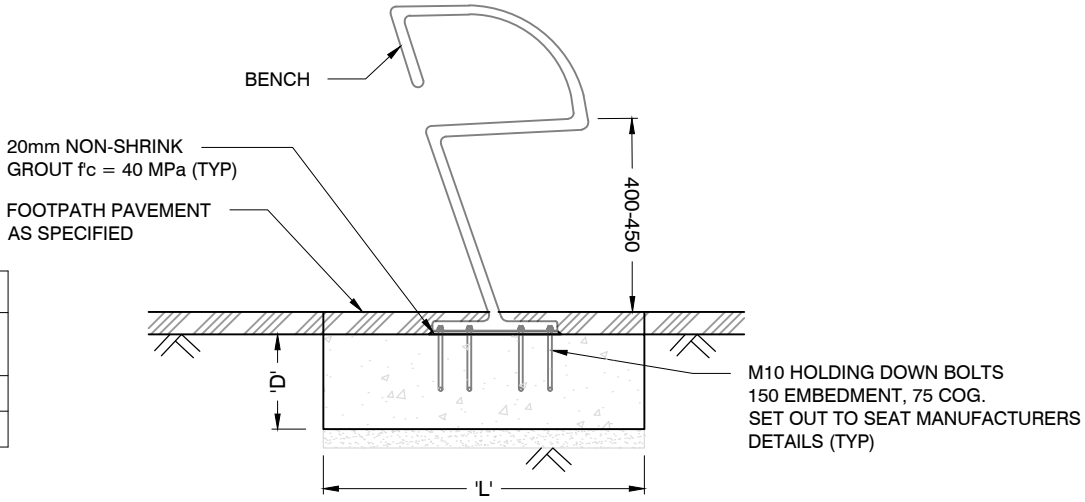


PLAN
1:20



SECTION A-A
1:20

FOOTING SCHEDULE		
'B' WIDTH (mm)	'L' LENGTH (mm)	'D' DEPTH (mm)
700	900	250
700	800	300



SECTION B-B
1:20

NOTES:

1. CONCRETE GRADE f'c = 32 MPa.
2. ALL CONCRETE COVER TO BE 50 mm.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
4. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
5. 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.
6. THE FOUNDATION HAVE BEEN DESIGNED FOR AN MINIMUM ALLOWABLE BEARING PRESSURE OF 150 kPa.

CITY OF SYDNEY

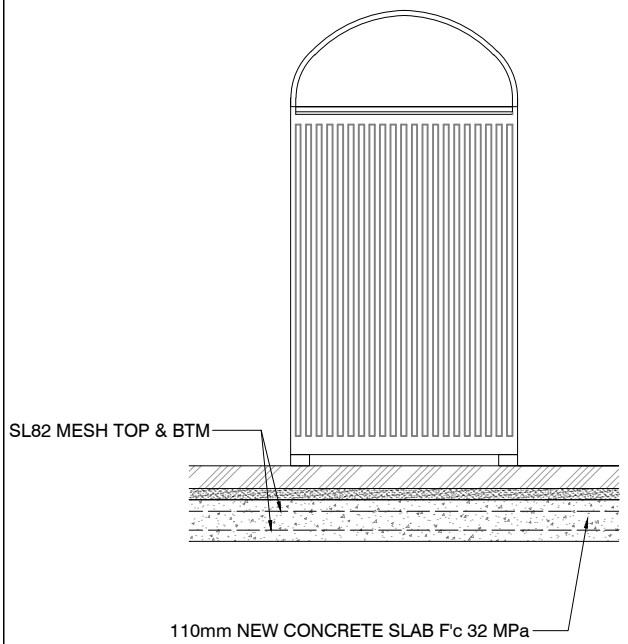
SEATS

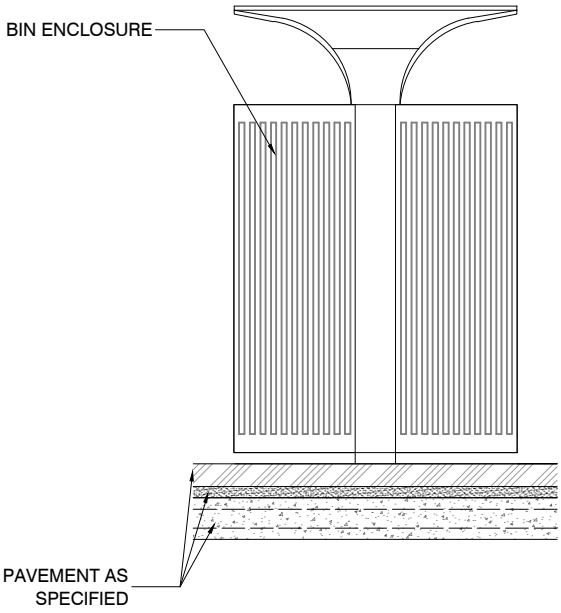
TZANNES SEAT FOOTING DETAILS - SHEET 2

(ON EXISTING PAVEMENT OR NATURE STRIP)

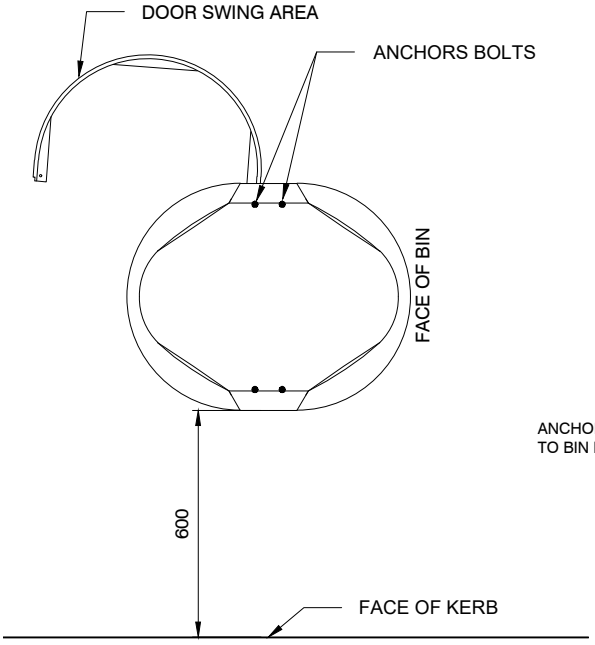
FURNITURE

Rev	E	Dwg No.
Date	*16.11.22*	4.2.2
Approved	S A	

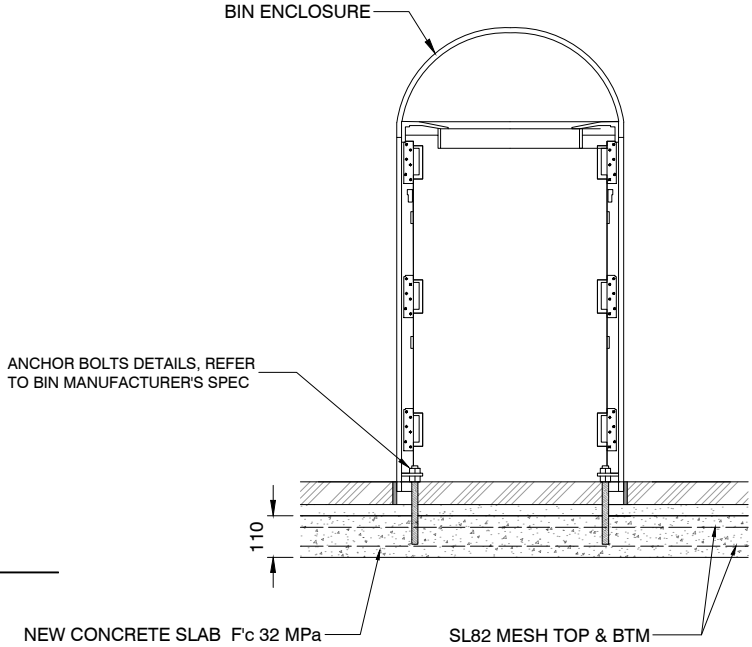




VIEWS
1:20



PLAN
1:20

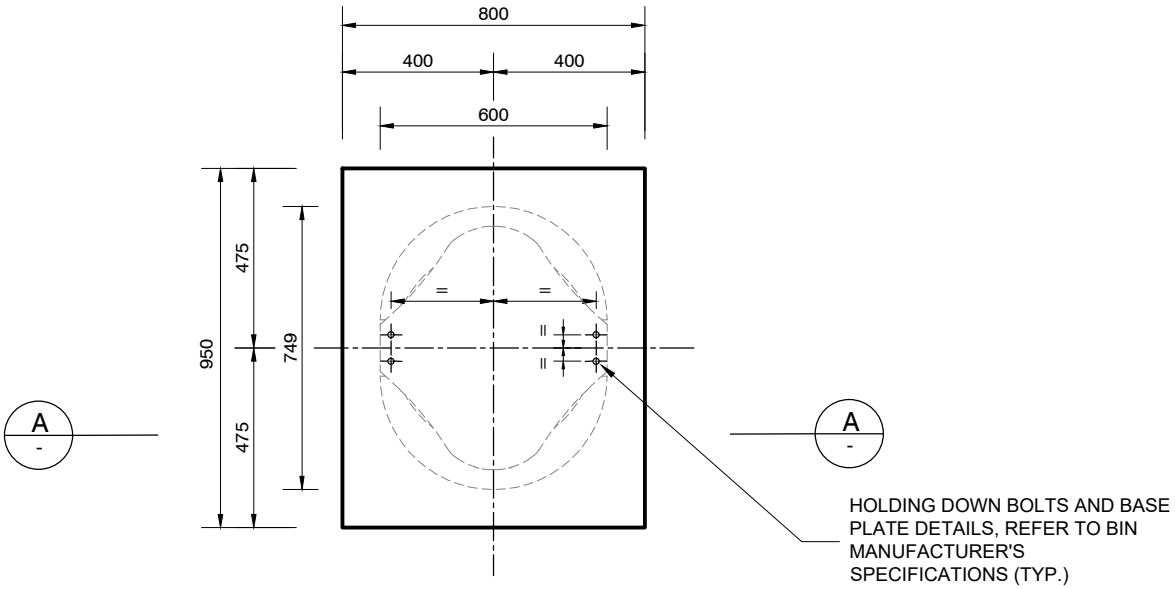


SECTION
1:20

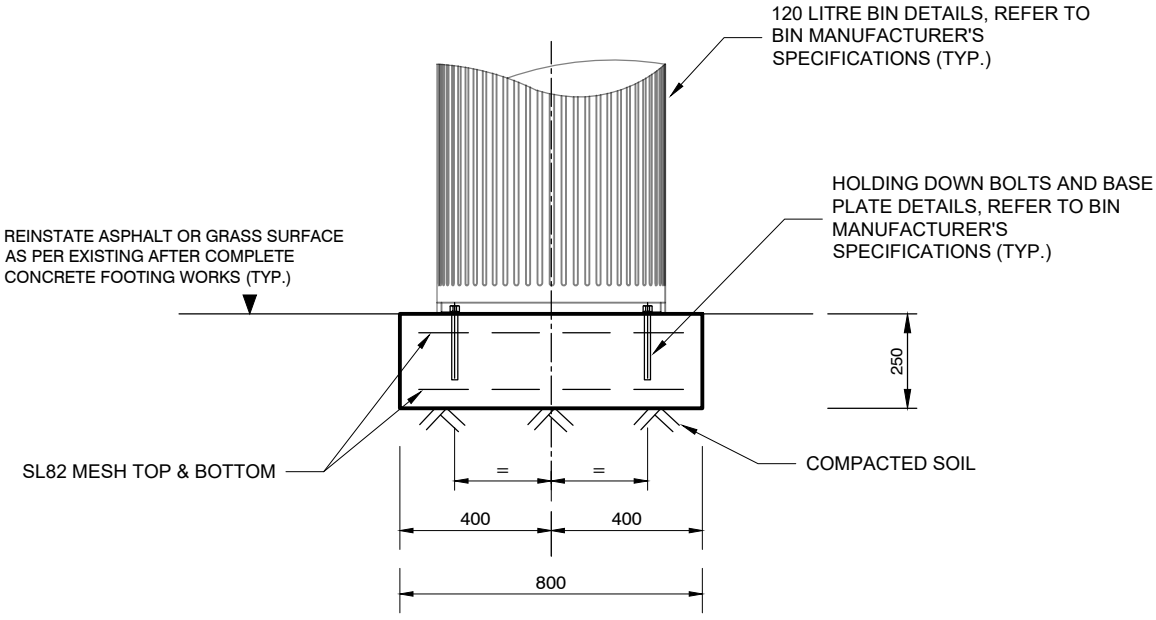
NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL CONCRETE COVER TO BE 30 mm.
3. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
4. 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
5. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

CITY OF SYDNEY	BIN ENCLOSURE	FURNITURE **Rev** E **Date** *16.11.22* **Approved** S A Dwg No. 4.3.1



120L BIN FOOTING PLAN
1:20



SECTION A-A
1:20

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. CONCRETE GRADE f'C = 32 MPa.
3. ALL CONCRETE COVER TO BE 50 mm.
4. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
5. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

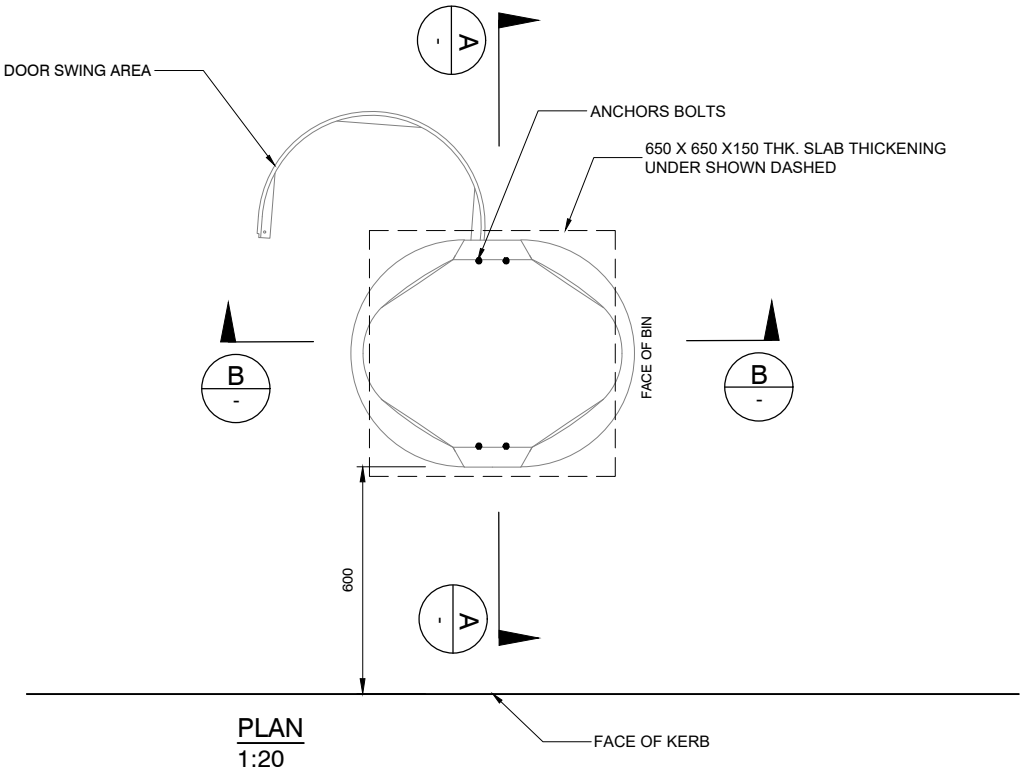
CITY OF SYDNEY

BIN ENCLOSURE

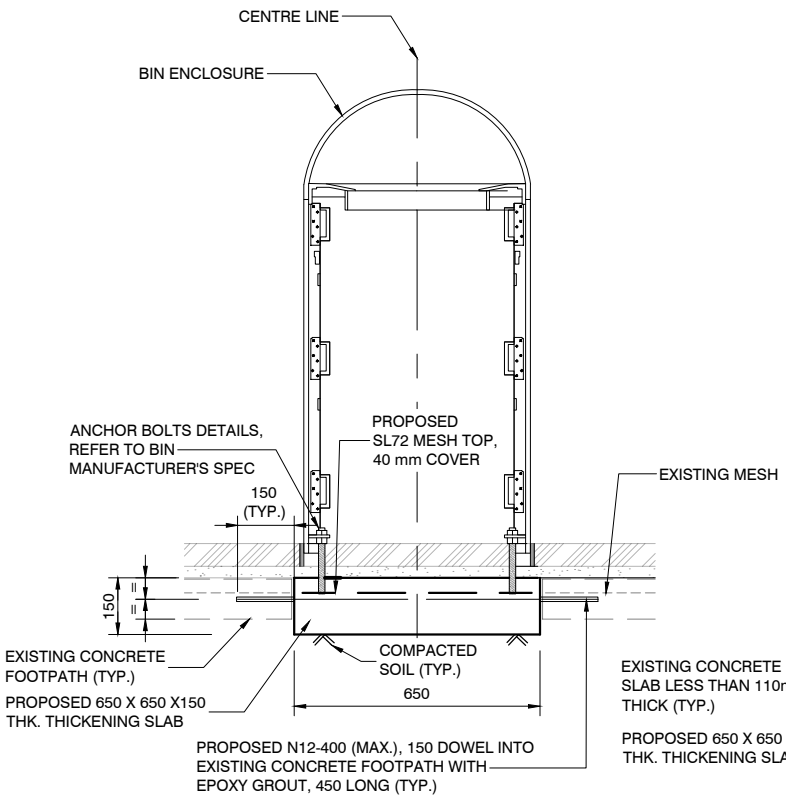
(CONCRETE FOOTING FOR 120 LITRE BIN ON ASPHALT OR GRASS SURFACE)

FURNITURE

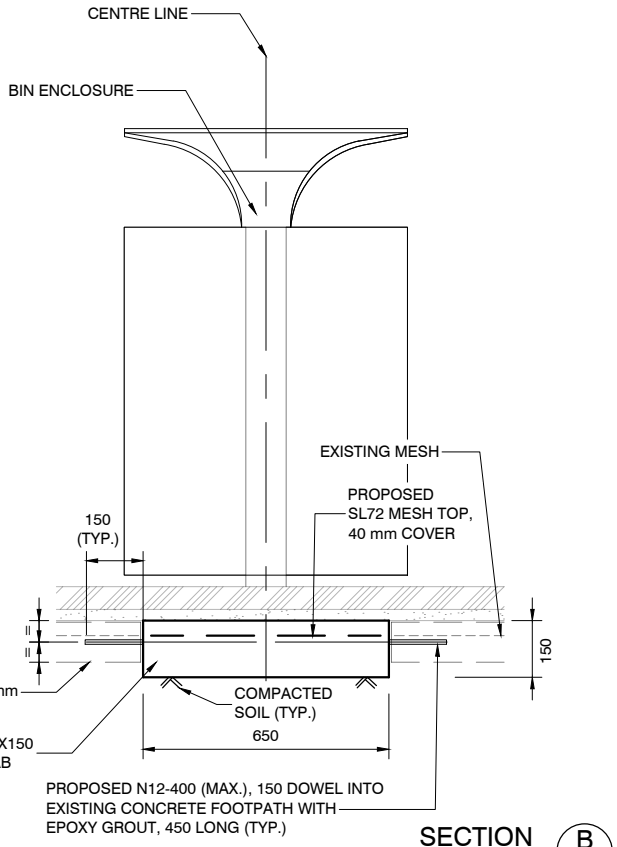
Rev	-	Dwg No.
Date	*16.11.22*	4.3.2
Approved	S A	



PLAN
1:20



SECTION A
1:20



SECTION B
1:20

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. CONCRETE GRADE f'C = 32 MPa.
3. ALL CONCRETE COVER TO BE 50 mm.
4. ALL HOLDING DOWN BOLTS, BASE PLATE AND BIN DETAILS, REFER TO MANUFACTURER'S SPECIFICATIONS.
5. REFER TO CITY OF SYDNEY TECHNICAL SPECIFICATIONS FOR ALL WORKS.

CITY OF SYDNEY

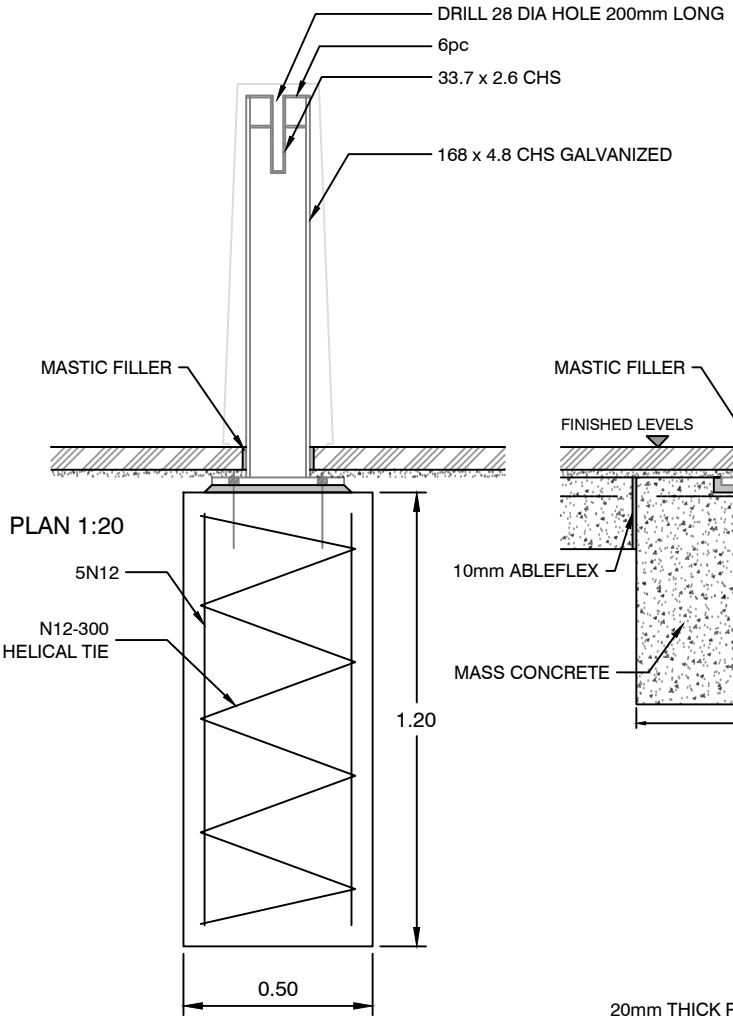
BIN ENCLOSURE

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

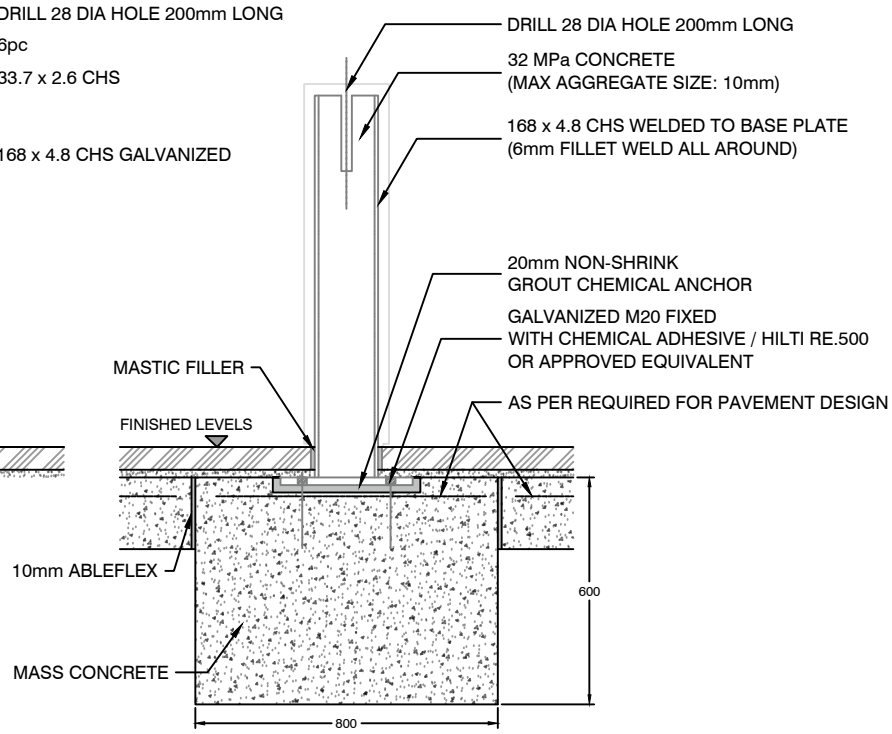
FURNITURE

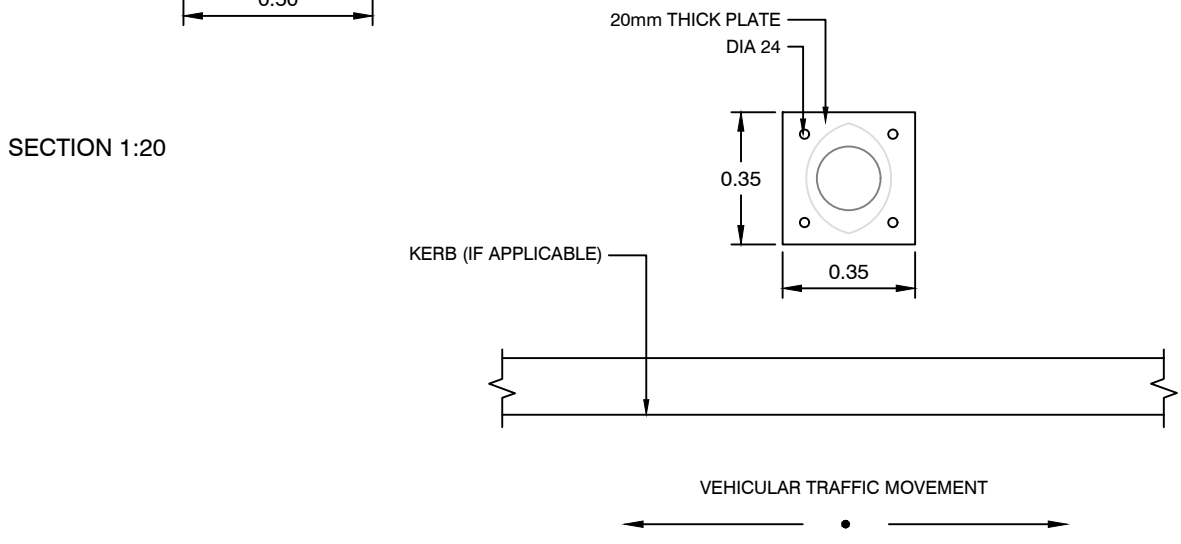
Rev	-	Dwg No.
Date	*01.03.22*	4.3.3
Approved	S A	

INSTALLATION DETAIL 1



INSTALLATION DETAIL 2

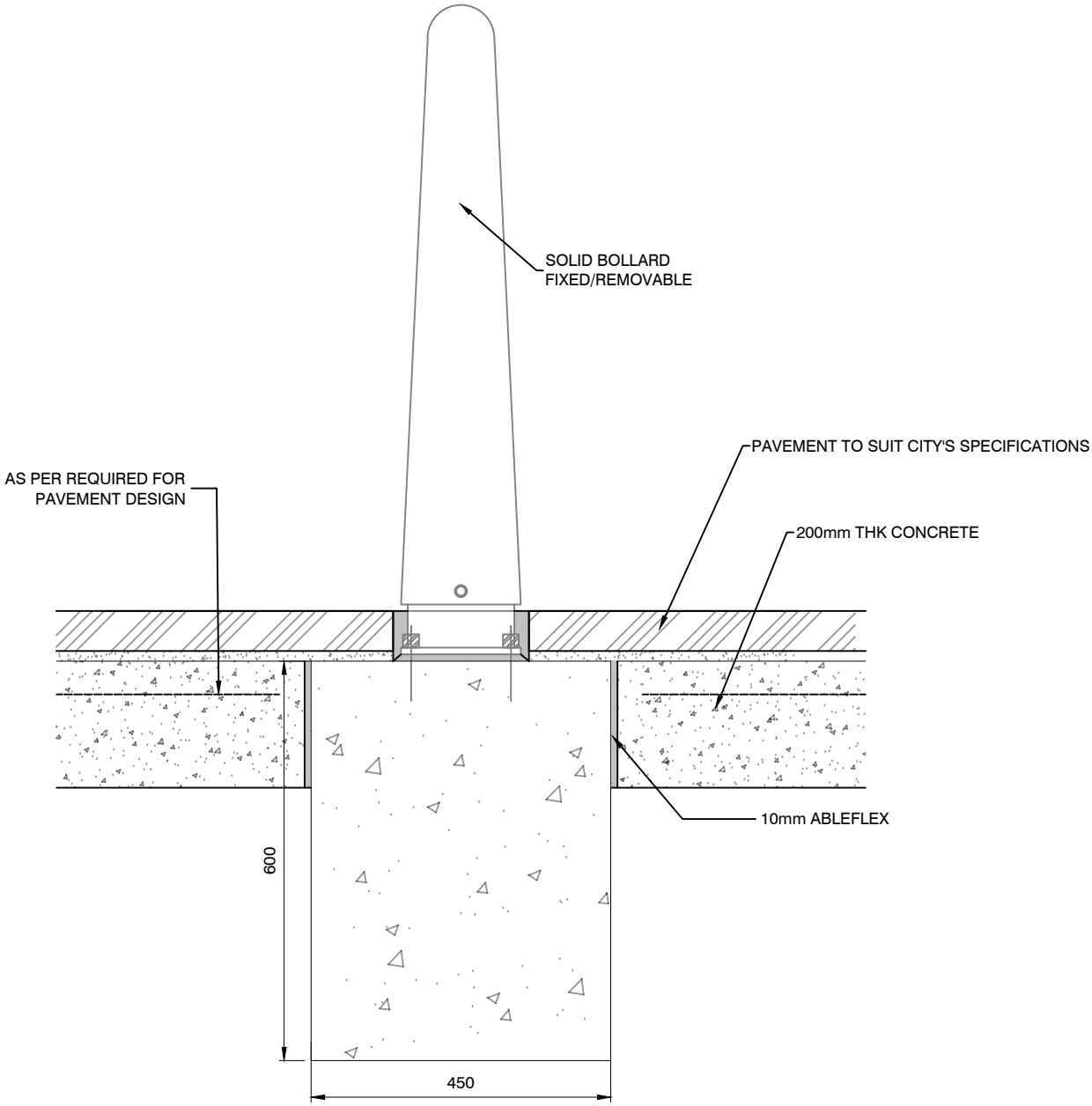




TOP VIEW

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	BOLLARDS ANTI-VEHICULAR BOLLARD - FIXED	FURNITURE **Rev** D **Date** *01.12.19* **Approved** P G Dwg No. 4.4.1

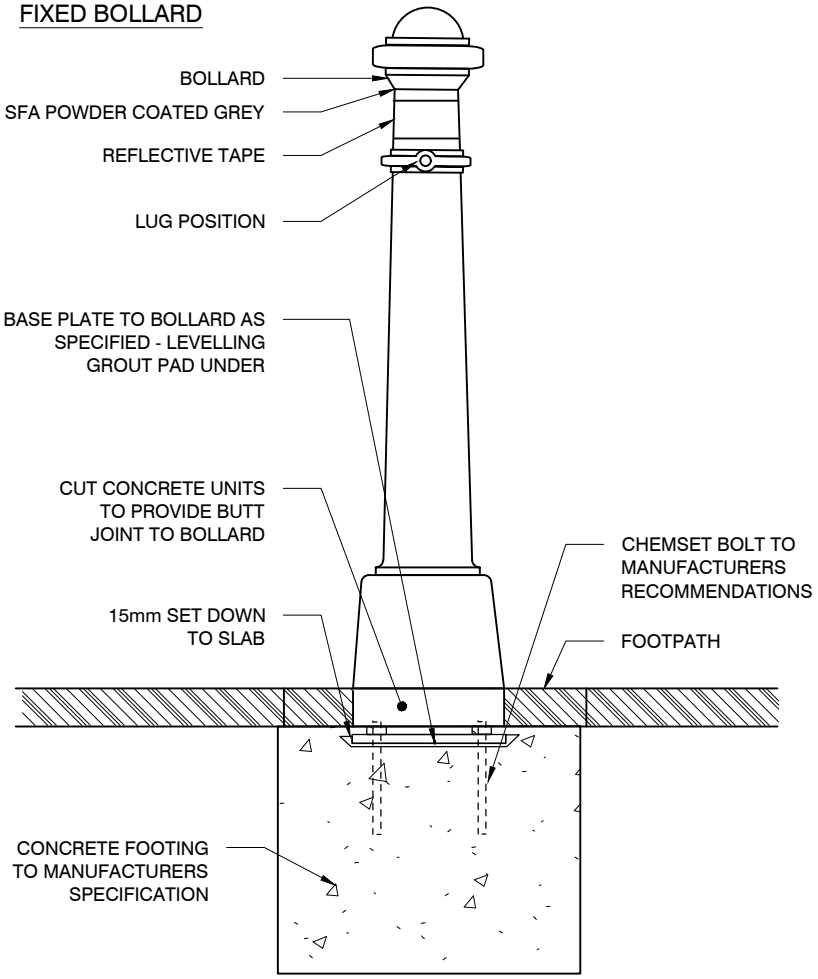


SECTION 1:10

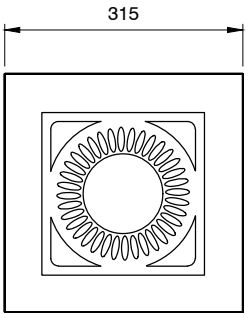
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	SOLID BOLLARD	FURNITURE **Rev** D **Date** *01.12.19* **Approved** P G Dwg No. 4.4.2

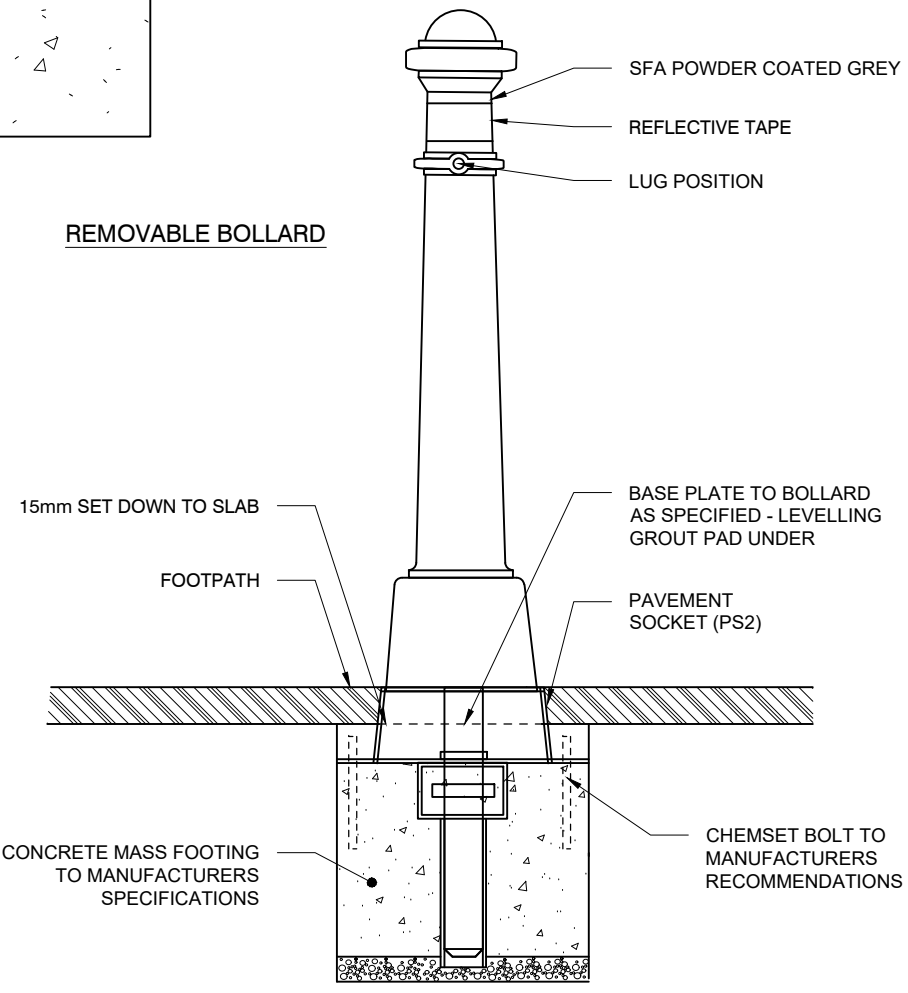
FIXED BOLLARD



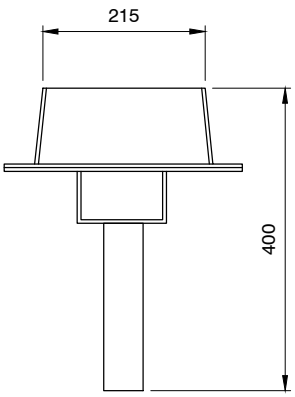
PAVEMENT SOCKET PLAN



REMOVABLE BOLLARD



PAVEMENT SOCKET ELEVATION



SCALE 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

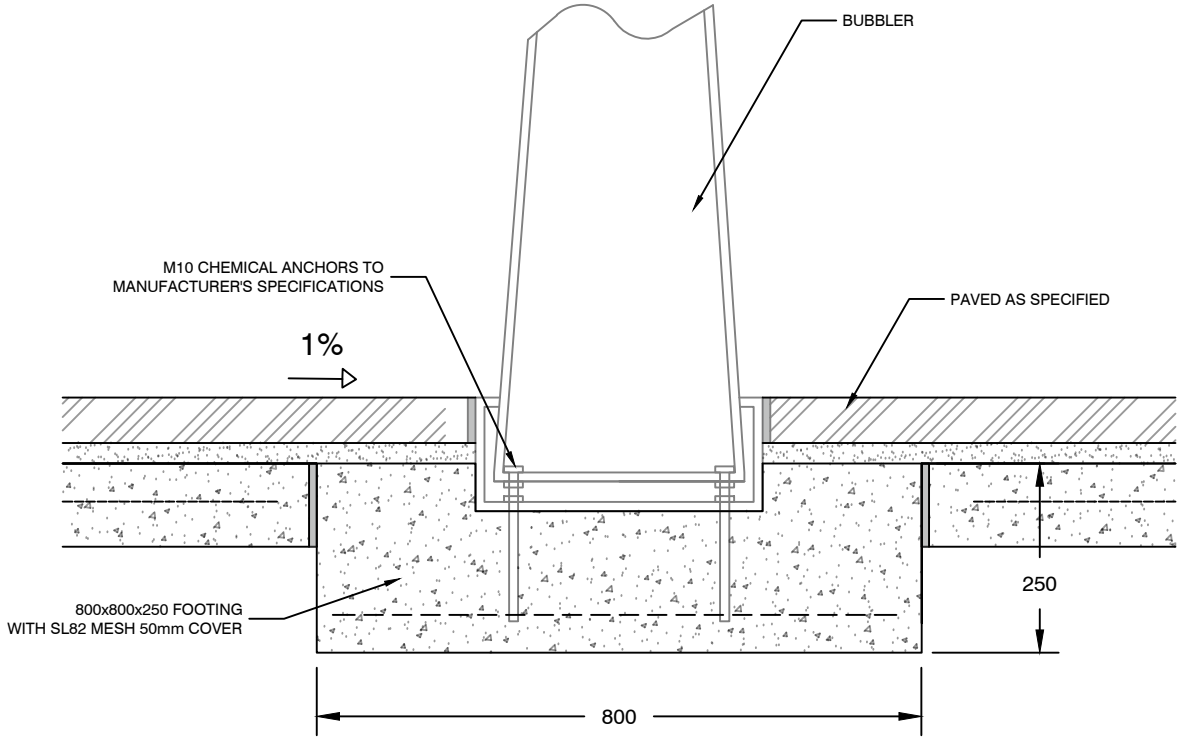
BOLLARDS

HERITAGE

FURNITURE

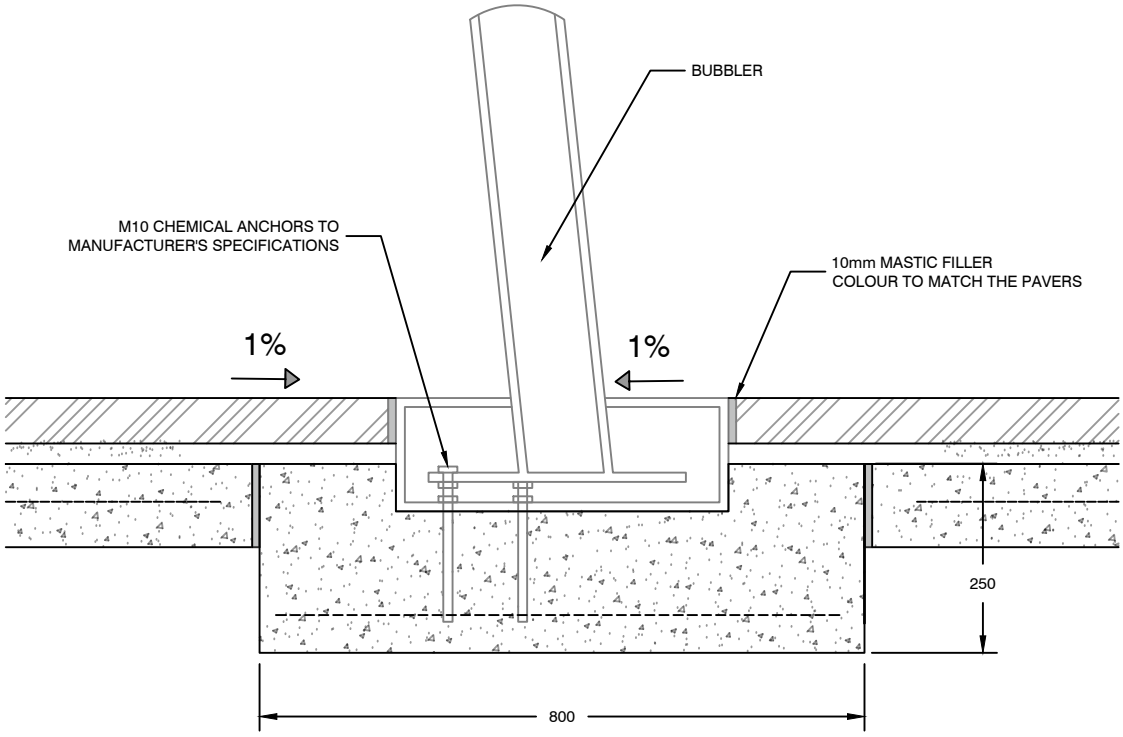
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 4.4.3



FRONT VIEW

SECTION 1:10

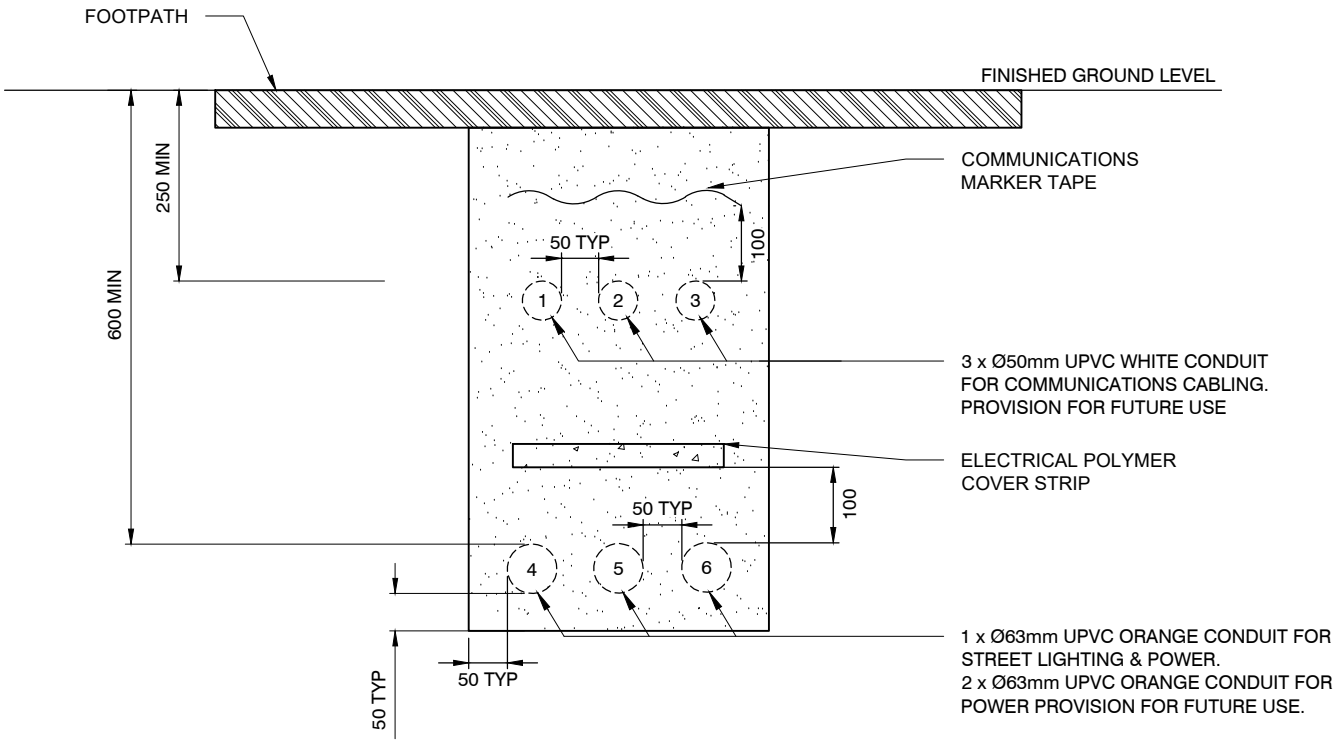


SIDE VIEW

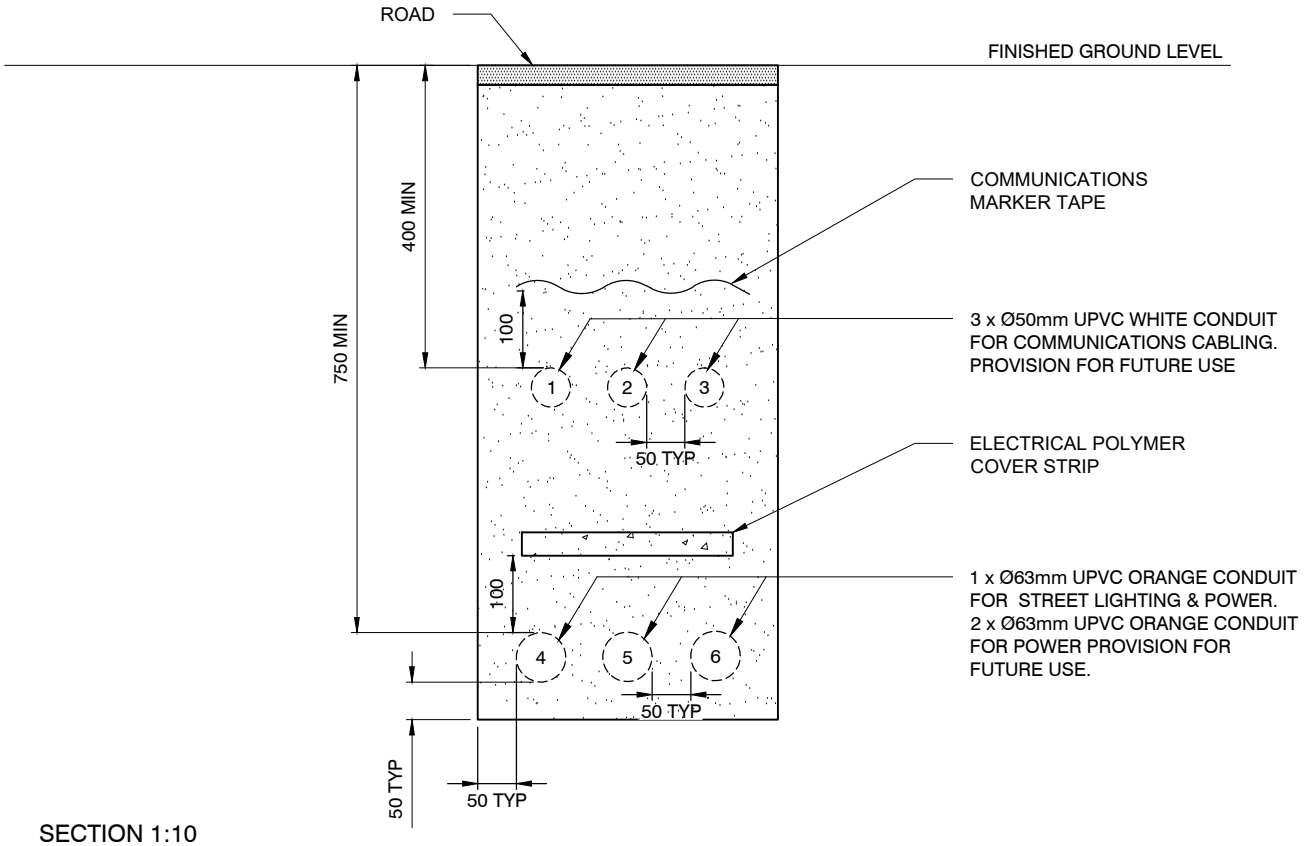
NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	BUBBLER INSTALLATION DETAIL	FURNITURE **Rev** D **Date** *01.12.19* **Approved** P G Dwg No. 4.5.1

TYPICAL ELECTRICAL & COMMS
CONDUIT ARRANGEMENT (FOOTPATH)



TYPICAL ELECTRICAL & COMMS
CONDUIT ARRANGEMENT (ROAD)



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

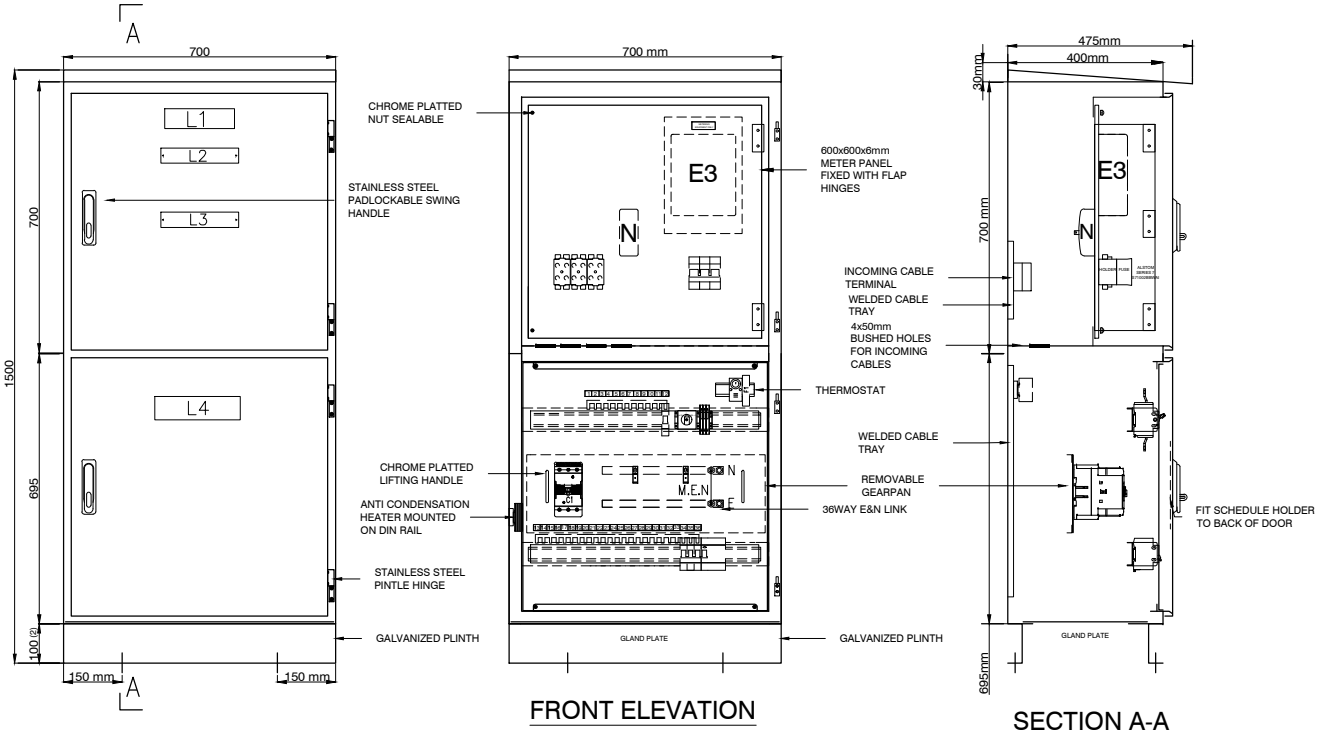
GENERAL

CONDUITS IN FOOTWAY AND CARRIAGEWAY

LIGHTING

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 5.1.1



FRONT ELEVATION
(WITH DOORS FITTED)

FRONT ELEVATION

(WITH DOORS REMOVED)

SECTION A-A

MINOR EQUIPMENT SCHEDULE			
ITEMS	DESCRIPTION REFERENCE	PART NO.	QTY
SERVICE FUSES	IPD SERIES 7 SERVICE FUSE BACK CONNECTION + FUSE LINK	#S71002BBWAI+RHLF100	3
THREE PHASE METER	SUPPLIED AND FITTED BY OTHERS		1
SERVICE METER NEUTRAL LINK	NETEC SEALABLE LINKS 3x35 & 2x16mm	#AN100S-535-B	1
MAIN ISOLATOR			1
3P 12-WAY COMB BUSBAR	SCNEIDER 3P 12-WAY 100A COMB BUSBAR WITH ENDCAP	#SN-A9XPH312	1
3P 24-WAY COMB BUSBAR	SCNEIDER 3P 12-WAY 100A COMB BUSBAR 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 THERMOSTAT	#TRT-10A230V-NC	1
FUSE	FUSE CARRIER 10A FUSE LINK	#ACC-FUS-C10G #ACC-FUS-10G-10	1 1
A-O-M SWITCH	TELUX DIN RAIL MOUNTED 20A NON-LOCABLE 2P SWITCH	#M10HEU1-SMA	1
CONTRACTOR (C1)	LS CONTRACTOR 3P N/O AC3-85A 240V	#BX-MC-85A	1
TERMINAL	TERMINAL 2.5MM GREY	#ACC-TERM-GREY-2.5	3
SS316 PADLOCKABLE HANDLE	SWING HANDLE PADLOCKABLE - SS316	#GEN-HANDLE -SH-PL-316	2
MCB	SCHNEIDER - 1P 6A 6kA MCB C - CURVE	#SN-A9F44106	1
MCB	SCHNEIDER - 3P 25A 6kA MCB C - CURVE	#SN-A9F44350	1
MCB	SCHNEIDER - 2P 20A 10kA MCB WITH 30mA RCD PROTECTION C-CURVE		1

L2

STREET LIGHTING MAIN SWITCHBOARD
SUPPLY FED FROM: TO BE ADVISED
SUBMAIN:

10mm 5mm 5mm

Colour - White - Black
Size- 200x40mm
1 OFF

L3

ENERY AUTHORITY
METER ENCLOSURE

10mm 10mm

Colour - White - Black
Size- 200x40mm
1 OFF

L4

CITY OF SYDNEY
SITE LOCATION
SITE LOCATION

10mm 10mm 10mm

Colour - White - Black
Size- 200x50mm
1 OFF

MAIN ISOLATOR 6mm

Colour - Black - White
Size- 80x25mm
1 OFF

L1

SWITCHBOARD & MANUFACTURER DETAILS. REFER TO CoS STREET LIGHTING STANDARD SECTION B8

GPO DISTRIBUTION SECTION 6mm 6mm

Colour - White - Black
Size- 80x25mm
1 OFF

LIGHTING DISTRIBUTION SECTION 6mm 6mm

Colour - White - Black
Size- 80x25mm
1 OFF

NOTES:
1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.4
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
THREE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 1)

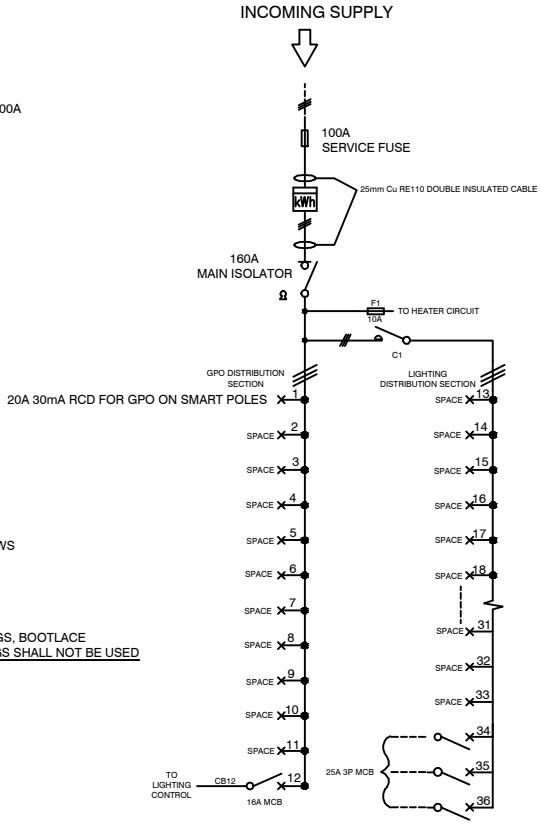
LIGHTING

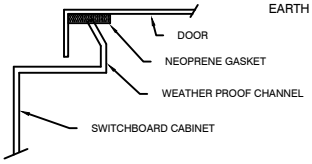
Rev	D
Date	01.12.19
Approved	P G

Dwg No. 5.1.3

CONSTRUCTION NOTES:

CONSTRUCTION:	FLOOR MOUNTED, FRONT CONNECTED, RATED AT 100A
CABINET:	2mm 316 STAINLESS STEEL, FOLDED & WELDED/MODULAR BOLTED CONSTRUCTION
DOORS AND ESCUTCHEONS:	1.5mm GRADE 316 STAINLESS STEEL
OTHER BRACKETS:	1.6mm ZINC SEALED MILD STEEL MIN
BOTTOM GLAND PLATE:	6mm METER PANEL
FORM OF SECREGATION:	FORM 1 - TO AS3439.1 - 2002
DEGREE OF PROTECTION:	IP - 66 - REFER TO WEATHER PROOFING DETAIL
FAULT RATING:	6kA FOR 1 SECOND
FINISH:	
PREPERATION:	DE-SCALE & DE-GREASE
EXTENRAL COLOUR:	NATURAL FINISH
INTERNAL COLOUR:	NATURAL FINISH
REMOVALBLE GEAR PANS & ESCUTCHEON:	GLOSS WHITE
PLINTH:	GALVANISED
LABELS:	ENGRAVED PLASTIC LAMINATE
FIXING:	DOUBLE SIDED ADHESIVE & STAINLESS STEEL SCREWS
COLOUR:	AS SHOWN
CONTROL WIRING:	MINIMUM 1.5mm Cu V90
POWER WIRING:	MINIMUM 2.5mm Cu RE110 DOUBLE INSULATED
WIRE MARKERS:	STANDARD FERRULES
TERMINATIONS:	BARE CABLE ENDS. WHERE TERMINALS REQUIRE LUGS, BOOTLACE FERRULES OR PRE-INSULATED RING LUGS. FORK LUGS SHALL NOT BE USED
COLOUR:	240 AC - PHASE COLOURED NEUTRAL - BLACK EARTH - GREEN/YELLOW





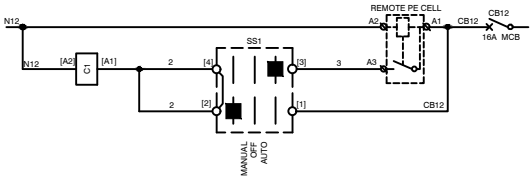
WEATHER PROOFING DETAIL

1 OFF

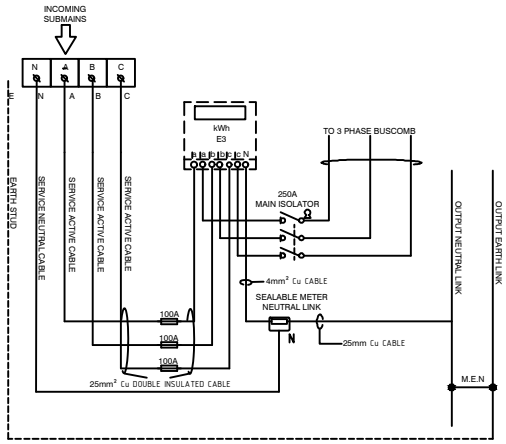
NOTES:

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

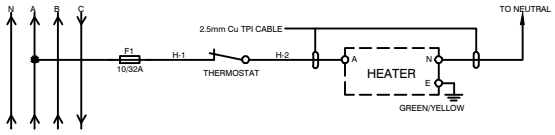
SINGLE LINE DIAGRAM



PE CELL LIGHTING CONTROL SCHEMATIC DIAGRAM



E3 METER WIRING SCHEMATIC



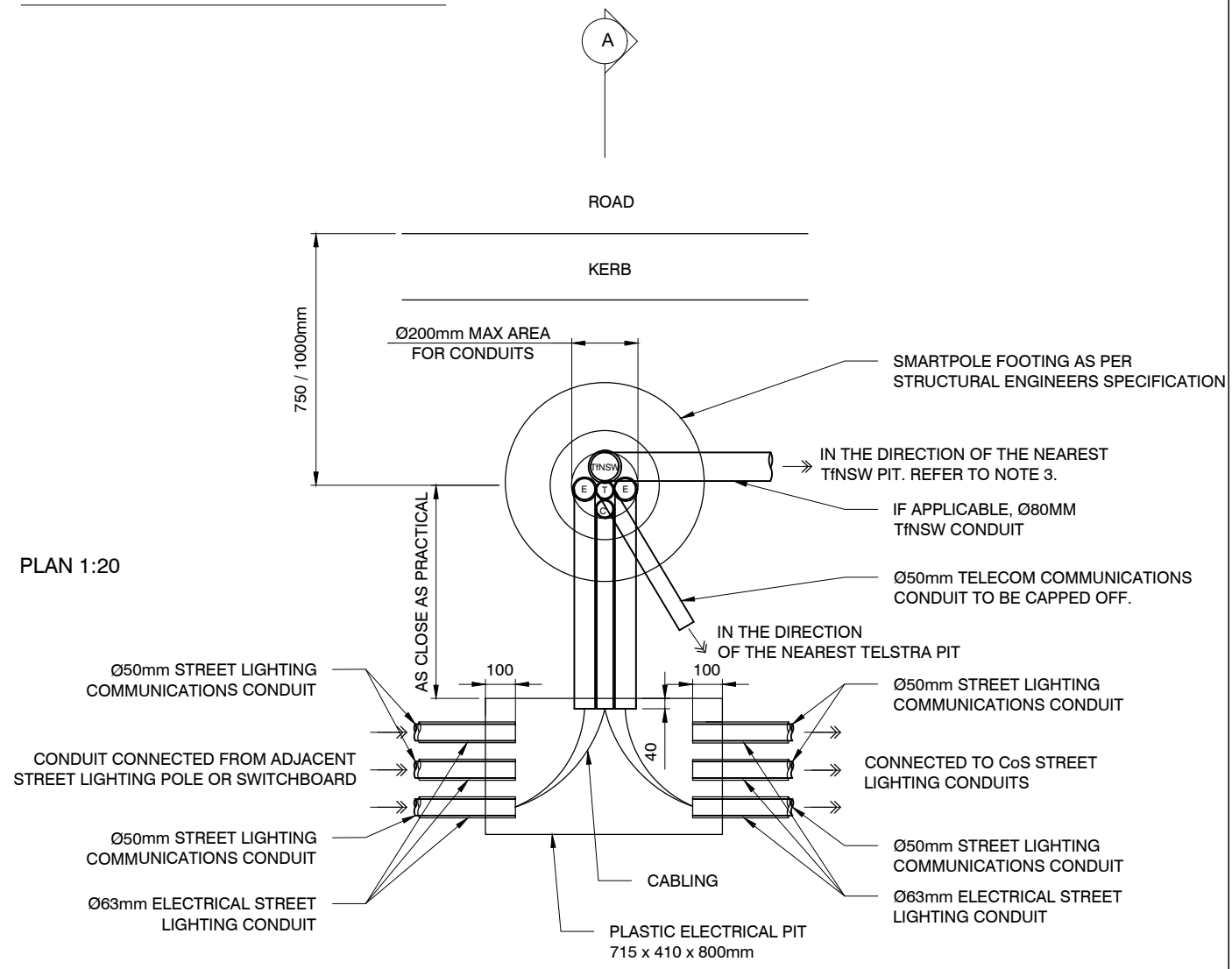
ANTICONDENSATION HEATER SCHEMATIC DIAGRAM

NOTES:

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

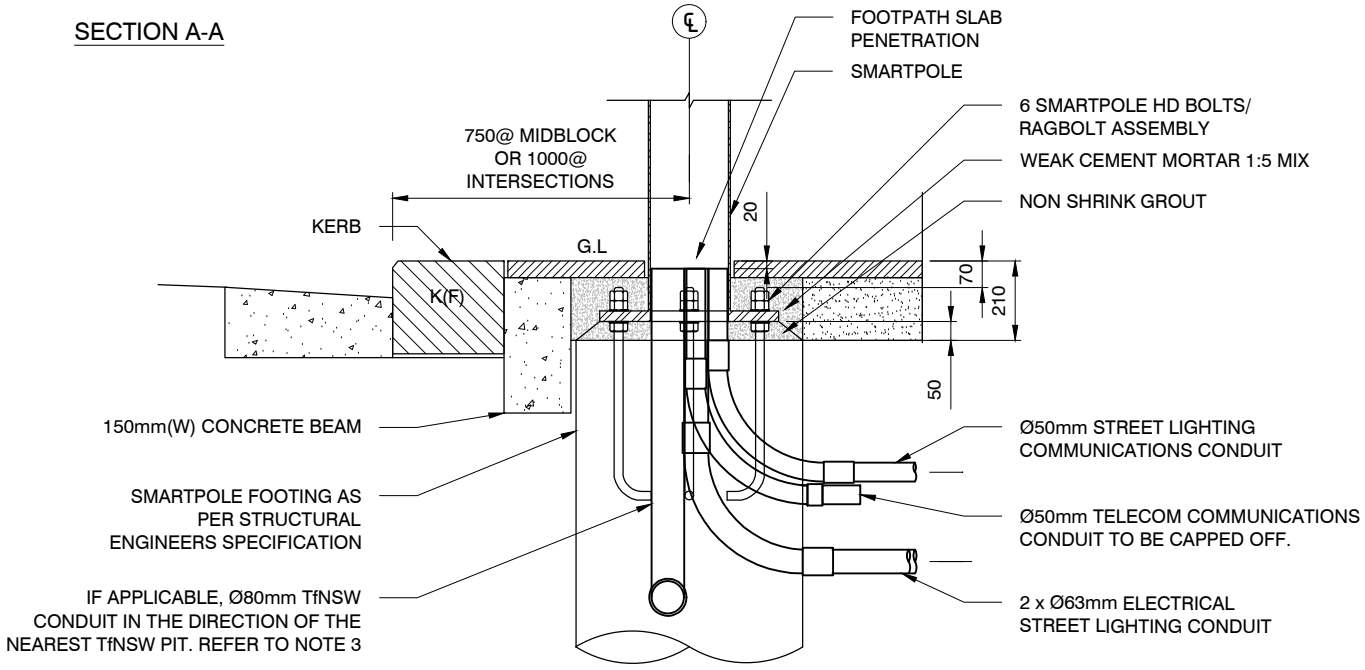
CITY OF SYDNEY	GENERAL THREE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 2)	LIGHTING Rev D Date 01.12.19 Approved P G Dwg No. 5.1.4

CONDUIT ARRANGEMENTS AT POLE BASE



PLAN 1:20

SECTION A-A



SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

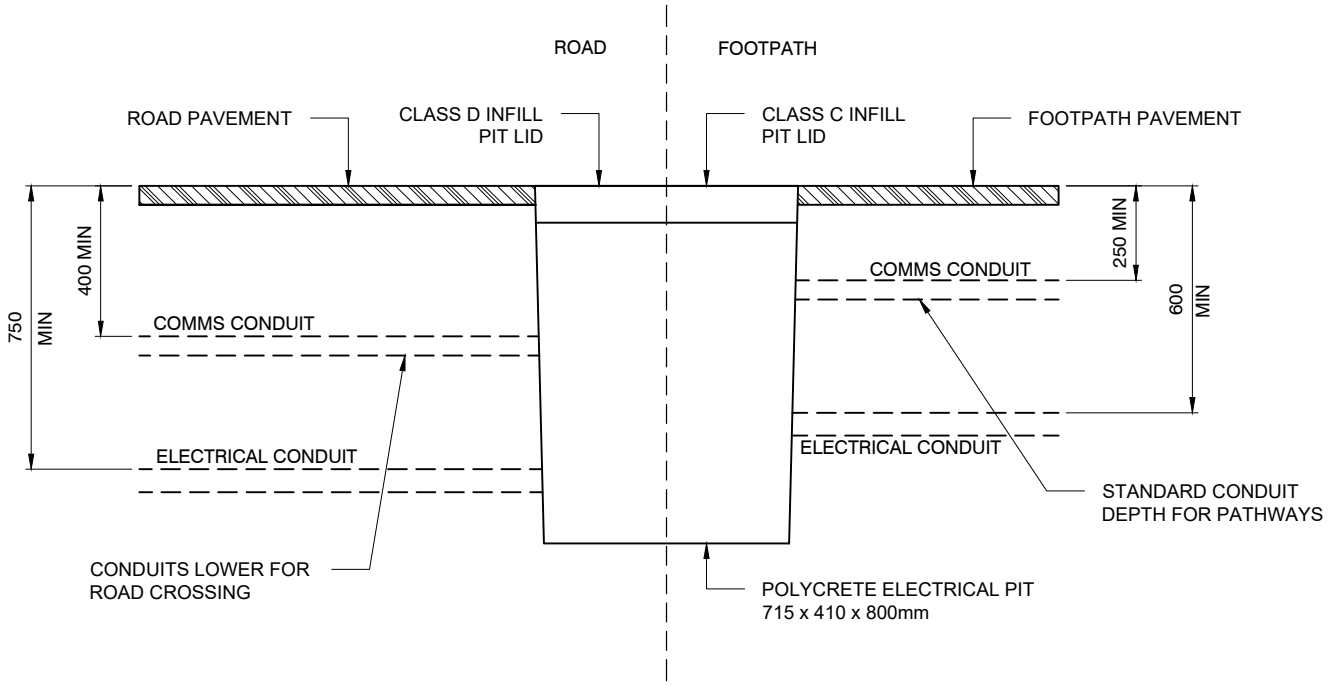
GENERAL

CONDUITS ARRANGEMENT AT POLE BASE

Rev	D
Date	*01.12.19*
Approved	P S

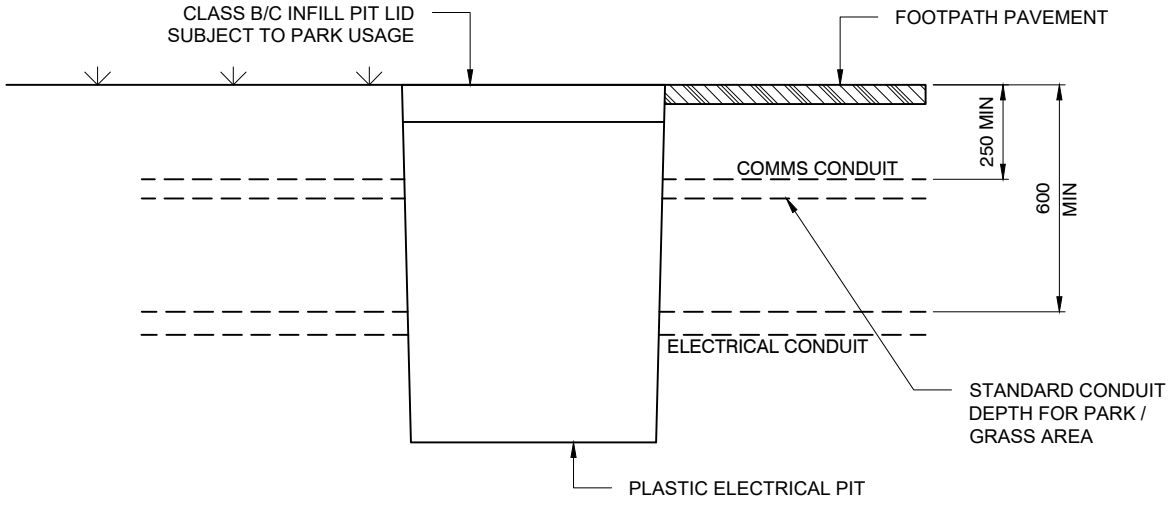
LIGHTING

Dwg No. 5.1.5



ELECTRICAL PIT ARRANGEMENT FOR ROAD / FOOTPATH

SCALE 1:20

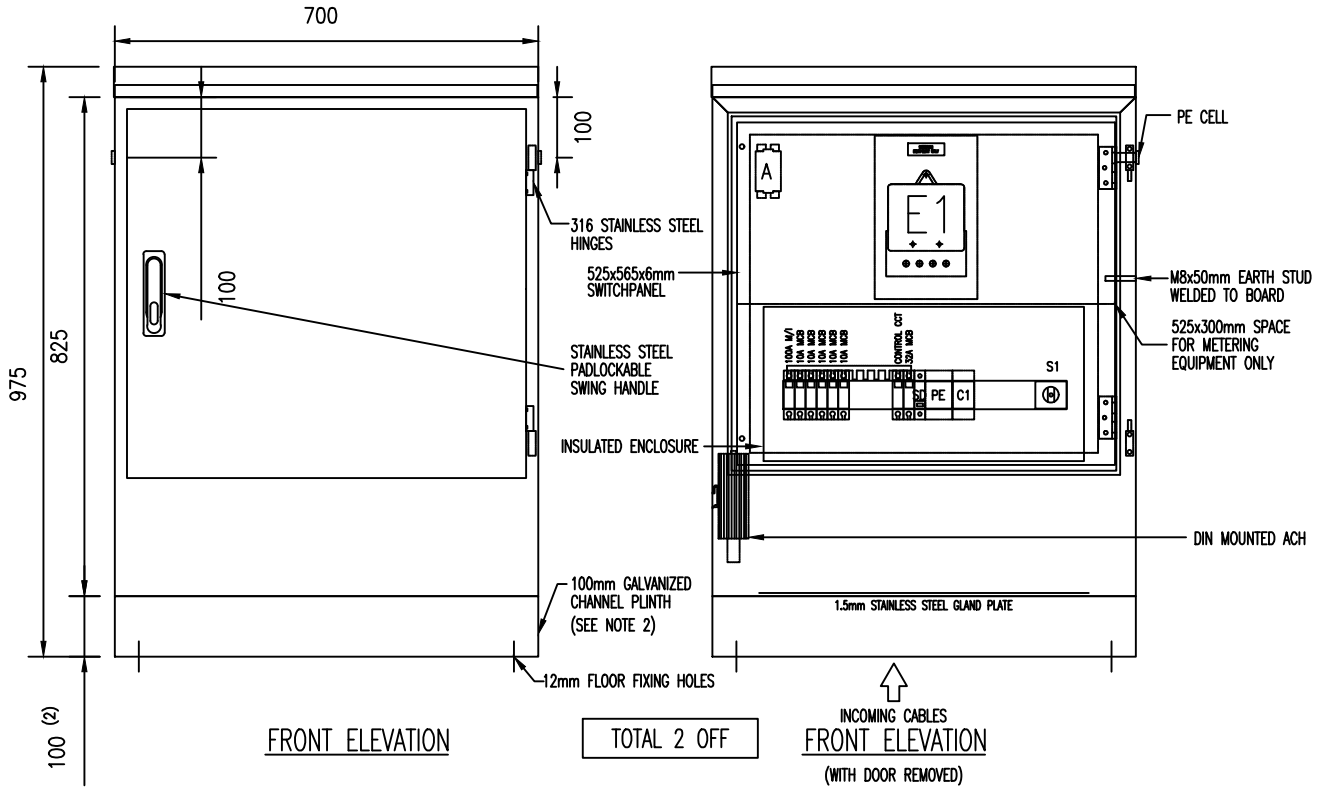


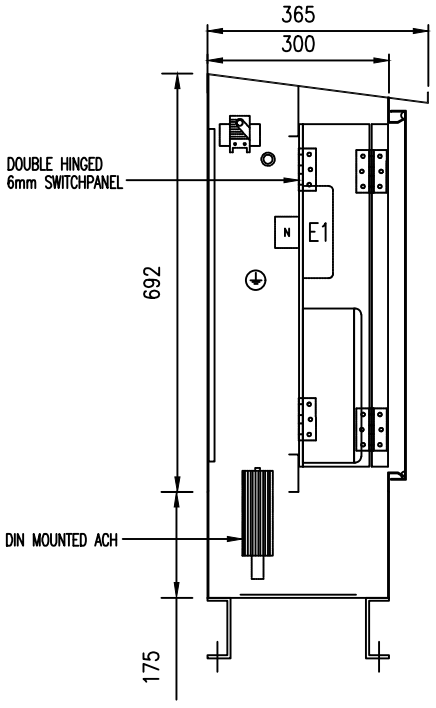
ELECTRICAL PIT ARRANGEMENT FOR PARKS

SCALE 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

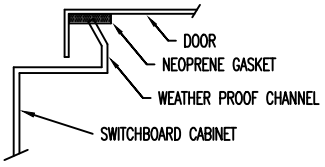
CITY OF SYDNEY	GENERAL GENERAL LIGHTING PIT ARRANGEMENT	LIGHTING **Rev** E **Date** *16.11.22* **Approved** S A Dwg No. 5.1.6





CONSTRUCTION NOTES:

CABINET:	1.5mm STAINLESS STEEL 316 GRADE
DOOR:	1.5mm STAINLESS STEEL 316 GRADE
PLINTH:	75mm x 38mm MILD STEEL CHANNEL
ESCUTCHEON & GEAR PAN:	1.5mm STAINLESS STEEL 316 GRADE
GLAND PLATES:	1.5mm STAINLESS STEEL 316 GRADE
FORM OF SEGREGATION:	FORM 1
DEGREE OF PROTECTION:	IP-66 – REFER TO WEATHER PROOFING DETAIL
FAULT RATING:	6kA
FINISH:	
PREPARATION:	DE-SCALE & DE-GREASE
EXTERNAL COLOUR:	GRAIN FINISH
INTERNAL COLOUR:	GRAIN FINISH
BRACKETS:	GLOSS WHITE
PLINTH:	HOT DIP GALVANISED
LABELS:	ENGRAVED PLASTIC LAMINATE
FIXING:	DOUBLE SIDED ADHESIVE & SCREW FIXED
COLOUR:	MAIN ISOLATOR – WHITE LETTERS ON BLACK
	WARNING, FIRE & LIFTS – WHITE LETTERS ON RED
	OTHERS – BLACK LETTERS ON WHITE
CONTROL WIRING:	MINIMUM 1.5mm Cu V90
WIRE MARKERS:	SMB HARWAL STANDARD FERRULES
TERMINATIONS:	BARE CABLE ENDS. WHERE TERMINALS REQUIRE LUGS, BOOTLACE FERRULES OR PRE-INSULATED RING LUGS.
COLOUR:	240V AC – PHASE COLOURED
	NEUTRAL – BLACK
	EARTH – GREEN/YELLOW
	AC CONTROL CIRCUIT ACTIVE– RED



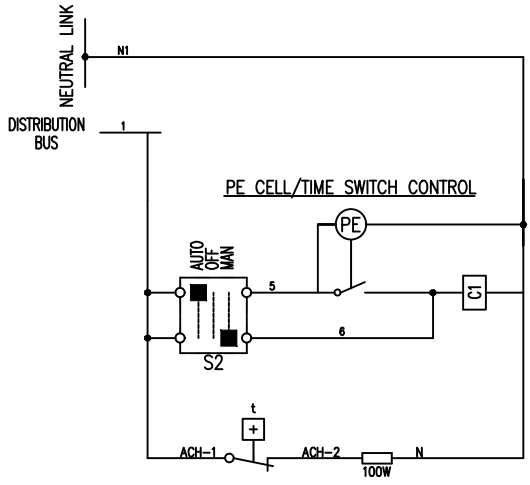
WEATHER PROOFING DETAIL

NOTES:

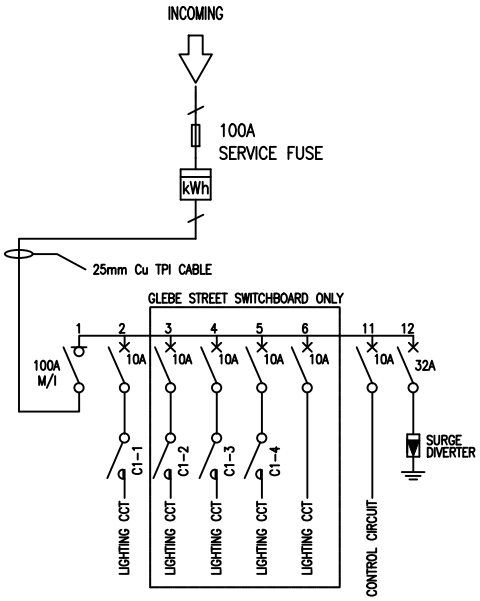
1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.8
2. 75 mm GALVANIZED CHANNEL PLINTH MAY BE USED WITH CONCRETE / ASHPHALT PAVING
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY	GENERAL SINGLE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 1)	LIGHTING Rev E Date 16.11.22 Approved S A Dwg No. 5.1.7

EQUIPMENT SCHEDULE				
ITEMS	ITEMS INFORMATION		QTY	TOTAL
	DESCRIPTION	PART NUMBER		
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 & JONES ST SW=2)	SN-A9F44110	-	9
LIGHT SENSITIVE SWITCH	SCHNEIDER IC200 LIGHT SENSITIVE SWITCH COMPLETE WITH PRE-WIRED 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-OFF-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



LIGHTING CONTROL CIRCUIT SCHEMATIC DIAGRAM



SINGLE LINE DIAGRAM

CITY OF SYDNEY MAIN SWITCHBOARD
LOCATION: #
SUPPLY FED FROM : TO BE ADVISED
SUBMAIN : 2-1Cx25mm Cu XLPE
ASSET ID: TBA

10mm
5mm
5mm
5mm

Colour – White-Black
Size – 200x40mm
1 OFF
------- STREET OR ------ STREET

Manufactured by: MANUFACTURERE COMPANY NAME

3mm

Telephone: ---------- e-mail: ----------
Drawing Reference: ---------- Date of Manufacture: --------
Proudly Engineered & Manufactured in Australia

3mm
3mm
3mm

Colour : Blue-White-Blue
Size : 180x50mm

ELECTRICITY METER
LOCATED BEHIND

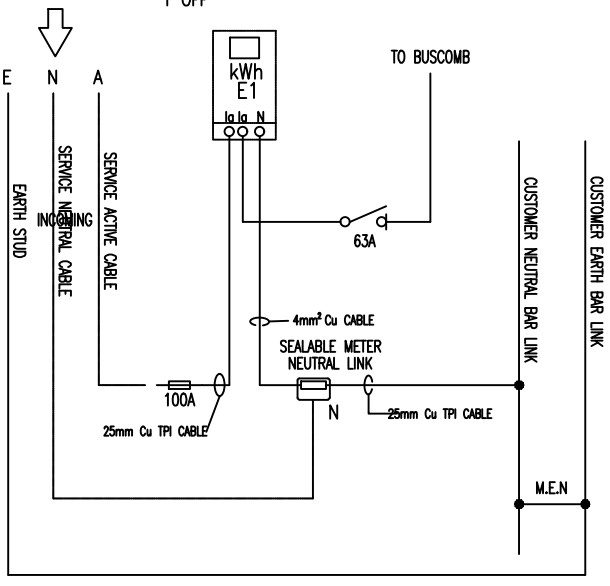
6mm
6mm

Colour : White-Black
Size : 120x30mm
1 OFF

1 OFF

S1 C1

Colour : White-Black
Size : 18x18mm
6mm TEXT
1 OFF EACH



E1 METER WIRING SCHEMATIC

NOTES:

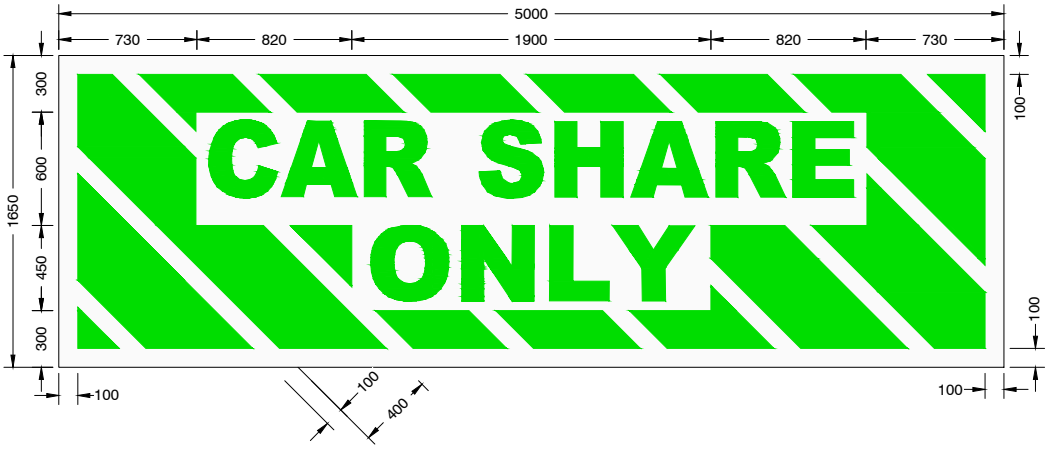
1. TO BE READ IN CONJUNCTION WITH DRAWING 5.1.7
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

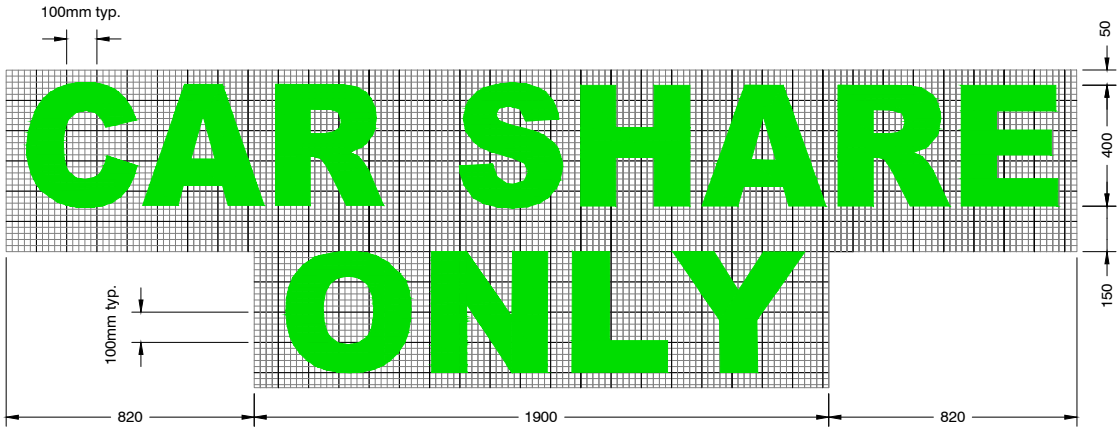
GENERAL
SINGLE PHASE SWITCHBOARD DETAILS & SCHEMATICS (SHEET 2)

LIGHTING

Rev	D	Dwg No.
Date	01.12.19	5.1.8
Approved	P G	



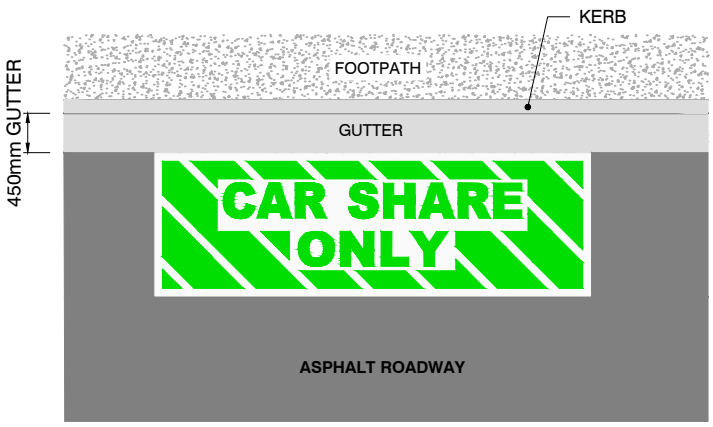
LINEMARKING PLAN
SCALE 1:40



TEXT ALIGNMENT PLAN
SCALE 1:25

NOTES:

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



OVERALL PLAN
N.T.S

CITY OF SYDNEY

PAVEMENT MARKING

CAR SHARE LINE MARKING

Rev	D
Date	01.12.19
Approved	P S

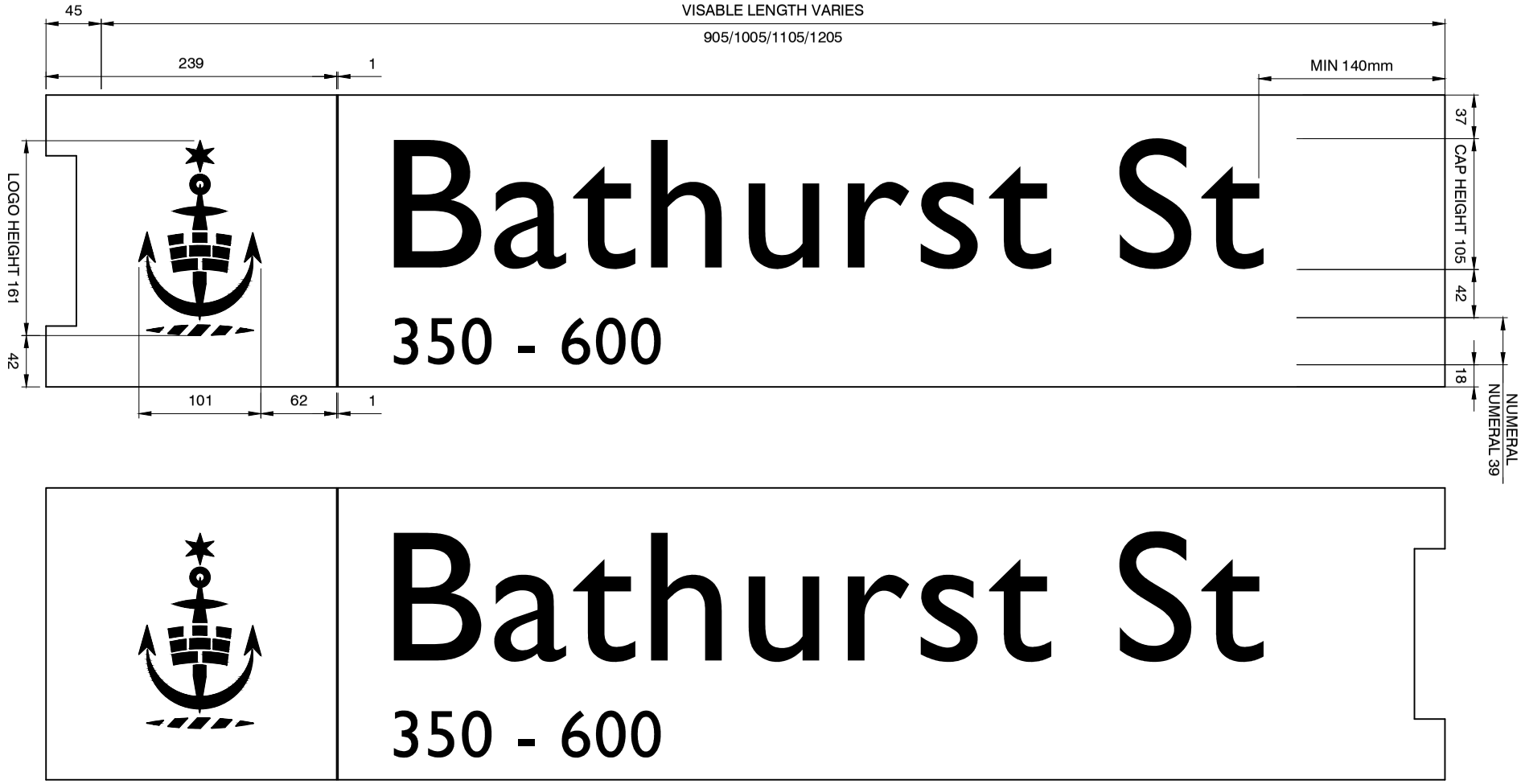
SIGNAGE
Dwg No.
6.1.1

CITY OF SYDNEY

SIGNAGE

STANDARD STREET NAME BLADES

PLAN 1:5



NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

TYPOGRAPHY

STREET NAME AND NUMERALS SET IN GILL SANS REGULAR CAP HEIGHT IS 105mm NUMERAL HEIGHT IS 44mm

COLOURS

LETTERING/LOGO IS CUT WHITE 7725/10 VINYL ON GREEN AS2700 G11 BOTTLE GREEN FIELD

CONSTRUCTION

MATERIAL IS 6mm ALUMINIUM

SANDED THEN ACID WASHED FOLLOWED BY A TWO PACK ETCH PRIMER, THAN A TWO PACK POLYURETHANE TO A STANDARD COLOUR.

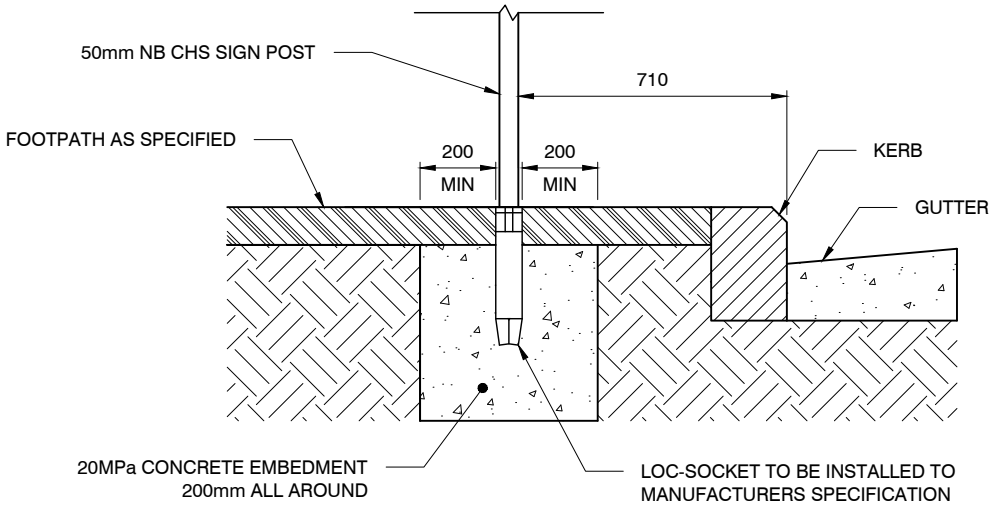
GRAPHIC APPLIED THEN COATED IN A TWO PACK ANTI-GRAFFITI CLEAR COAT

Rev	D
Date	*01.12.19*
Approved	P S

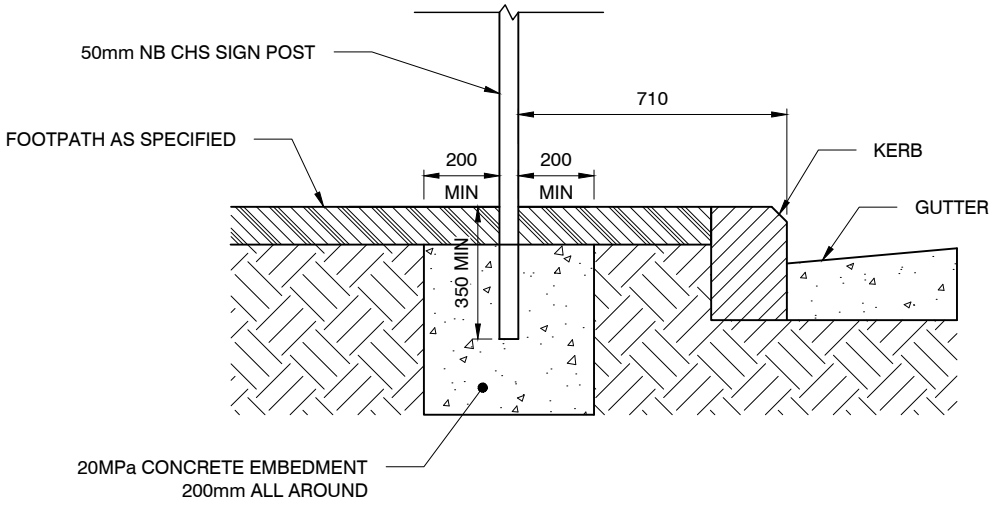
SIGNAGE

Dwg No. 6.2.1

LOK-SOCKET INSTALLATION



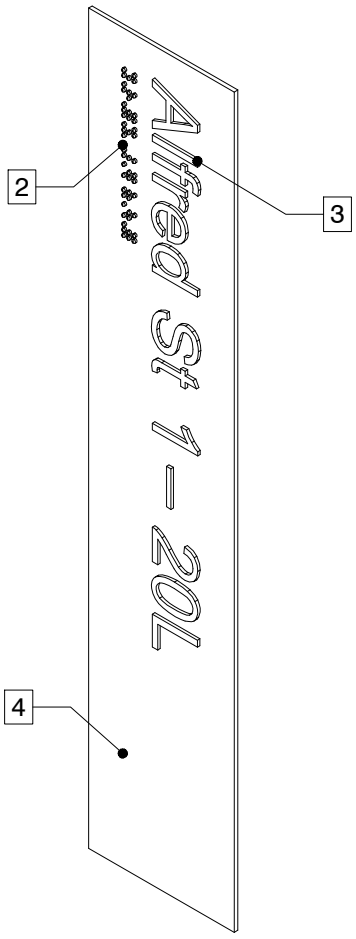
DIRECT CONCRETE EMBEDMENT

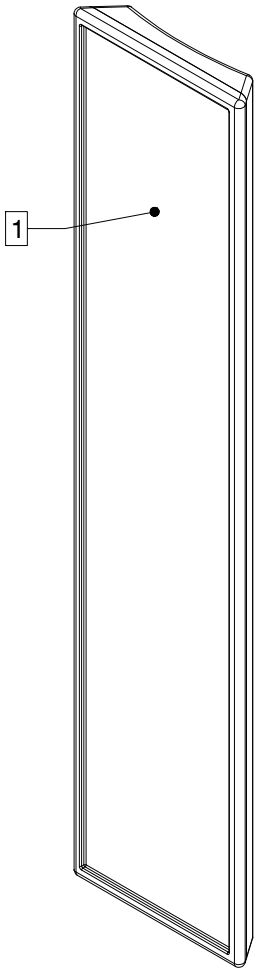


SECTION 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	SIGNAGE SIGN POST INSTALLATION	SIGNAGE **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 6.2.2





COMPONENTS:

1 Casting Component:

2 Braille Component:

3 Tactile Letters Component:

4 Base Component:

NOTES:

1. 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.
2. 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, DESIGN, CONTENT, MESSAGING 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 AUDIO TACTILE PEDESTRIAN CALL BUTTON.
7. THE CENTRE OF THE SIGN SHALL BE LEVEL WITH THE CENTRE OF THE AUDIO-TACTILE PEDESTRIAN CALL BUTTON.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

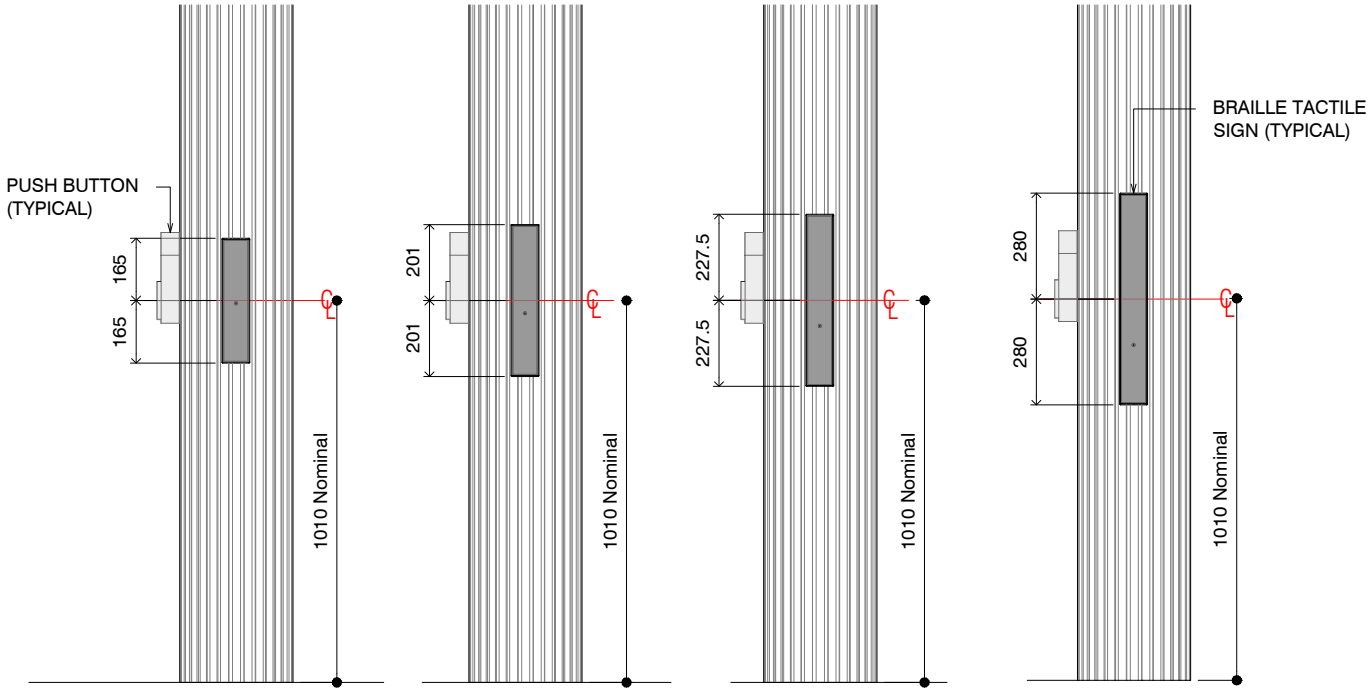
TACTILE/BRAILLE SIGNAGE

MATERIALS & COLOURS

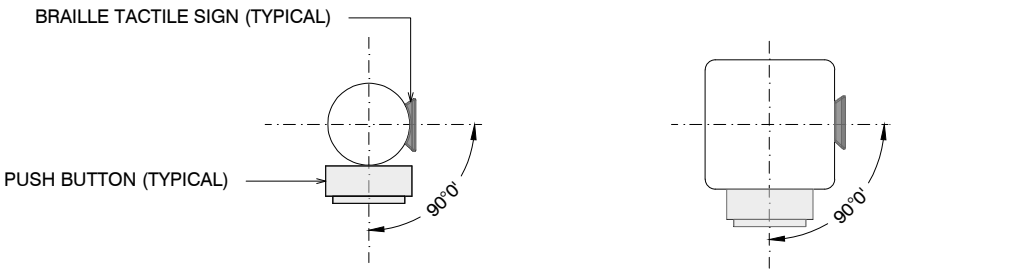
Rev	D
Date	01.12.19
Approved	P S

SIGNS

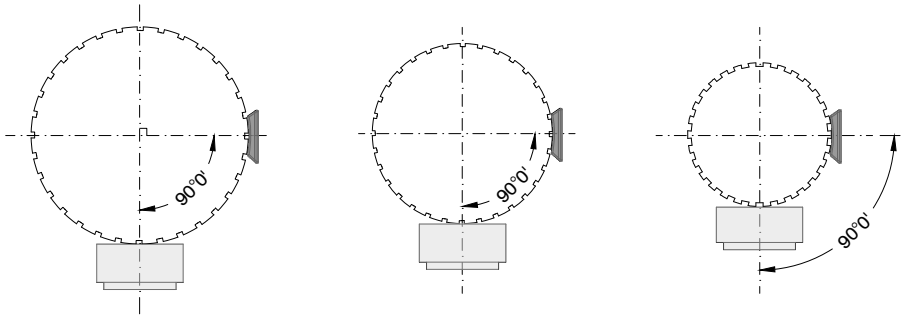
Dwg No. 6.3.1



SMALL SIGN | MEDIUM SIGN | LARGE SIGN | EXTRA LARGE SIGN



INSTALLATION ON VARIOUS TYPES OF TfNSW-APPROVED POLES



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.
2. 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.

CITY OF SYDNEY

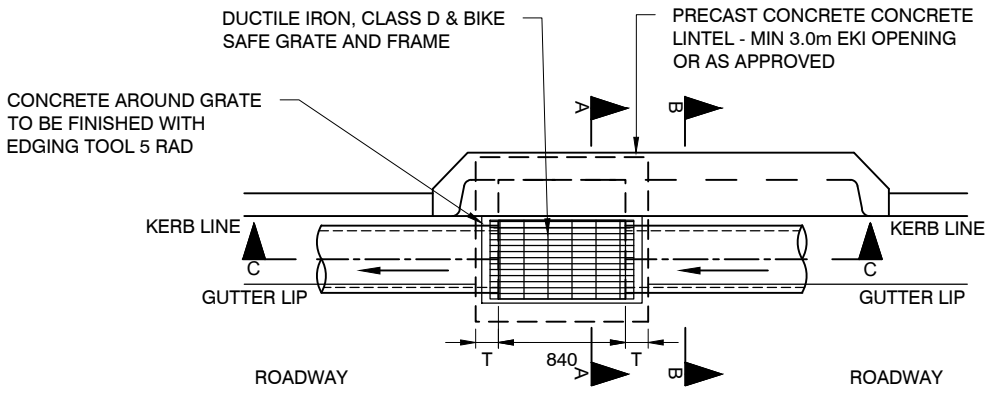
TACTILE/BRAILLE SIGNAGE
PLACEMENT

FOOTPATH

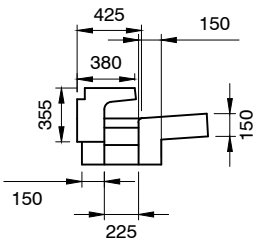
Rev	D
Date	01.12.19
Approved	P S

Dwg No. 6.3.2

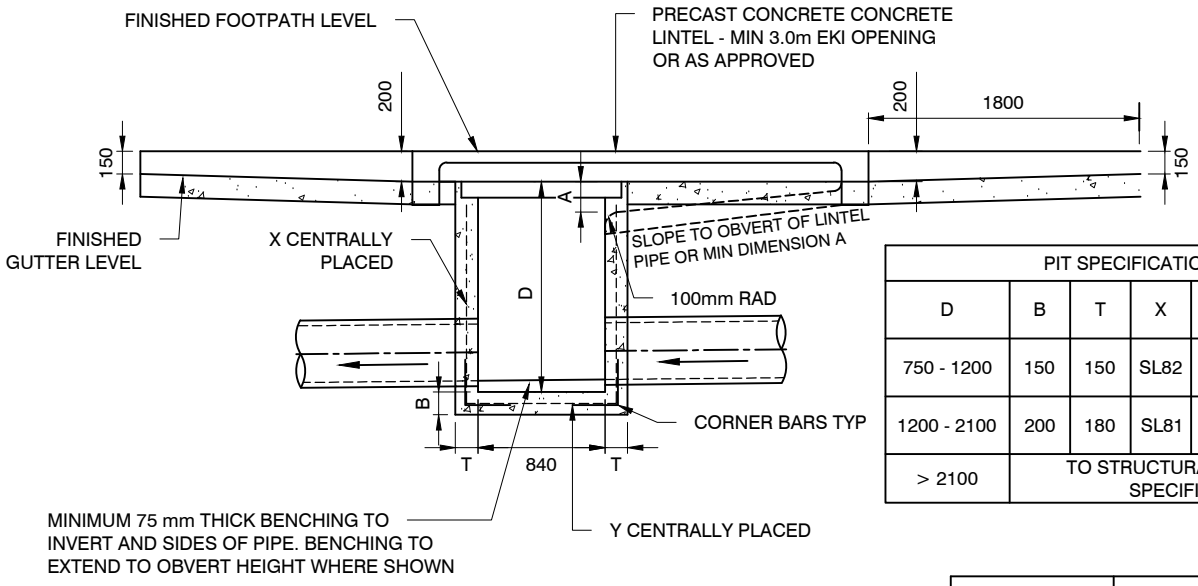
PLAN



SECTION B-B

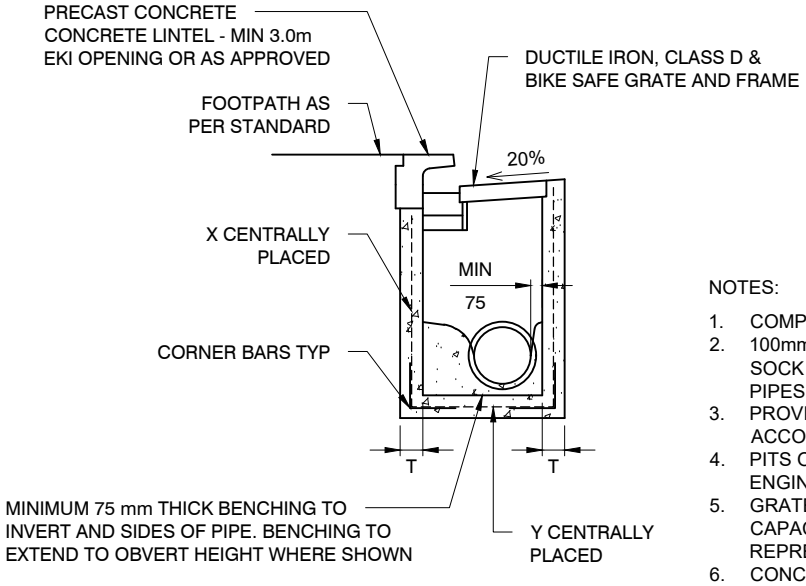


SECTION C-C



PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

SECTION A-A



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

NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

CITY OF SYDNEY

PITS & PIPES

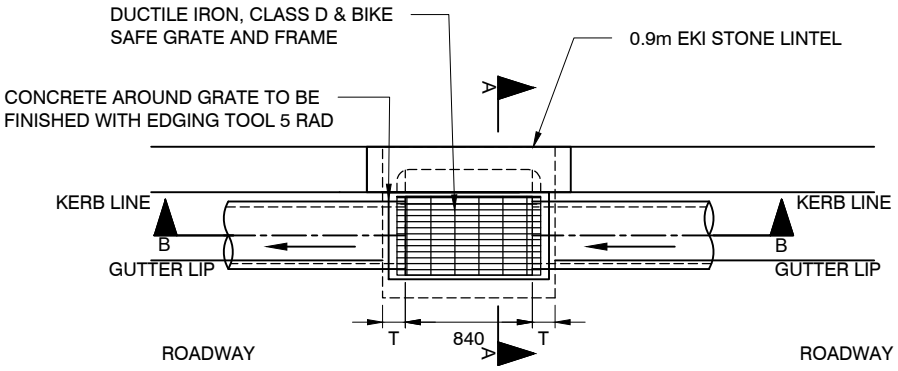
STANDARD GULLY PIT WITH EXTENDED KERB INLET

DRAINAGE

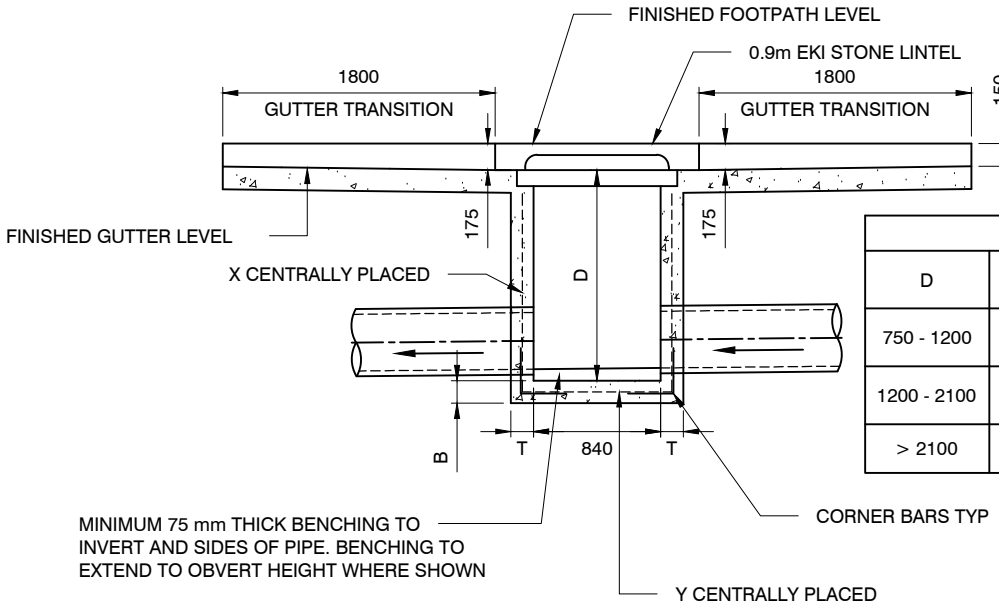
Rev	D
Date	*01.12.19*
Approved	P G

Dwg No. 7.1.1

PLAN

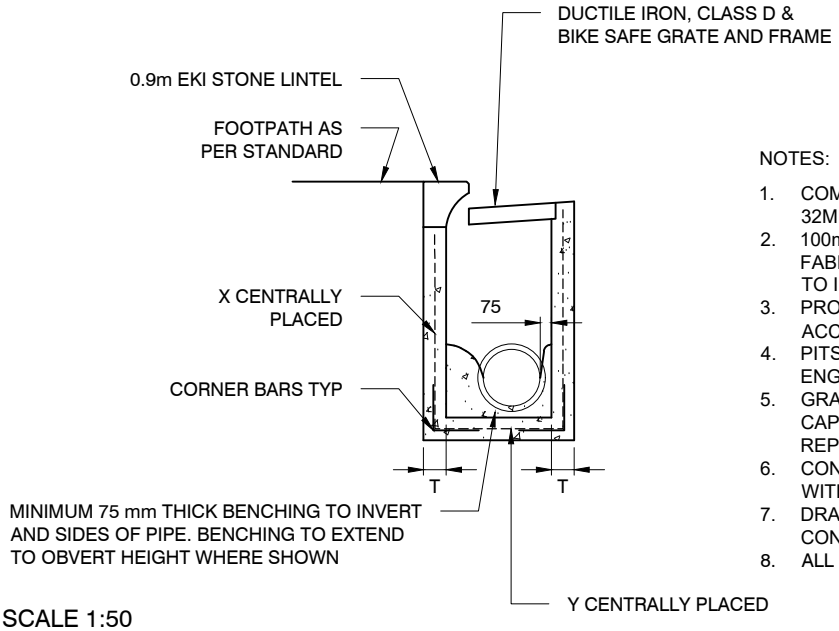


SECTION B-B



PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

SECTION A-A



NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

CITY OF SYDNEY

PITS & PIPES

STANDARD GULLY PIT WITH STONE INLET

DRAINAGE

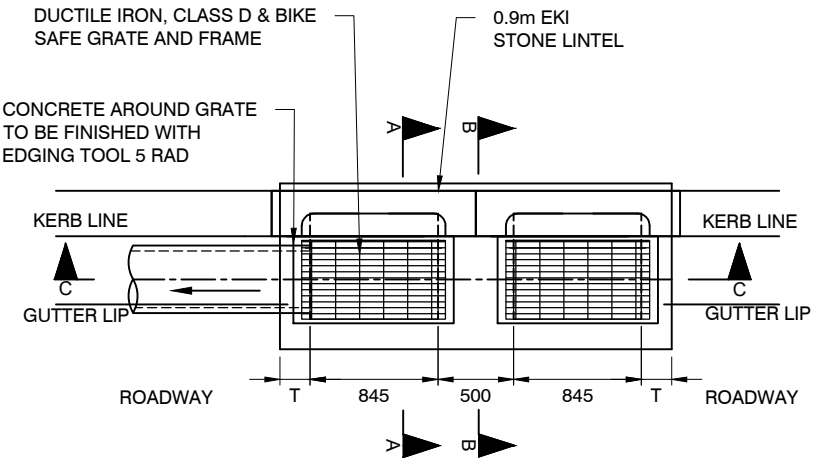
Rev	D
Date	*01.12.19*
Approved	P S

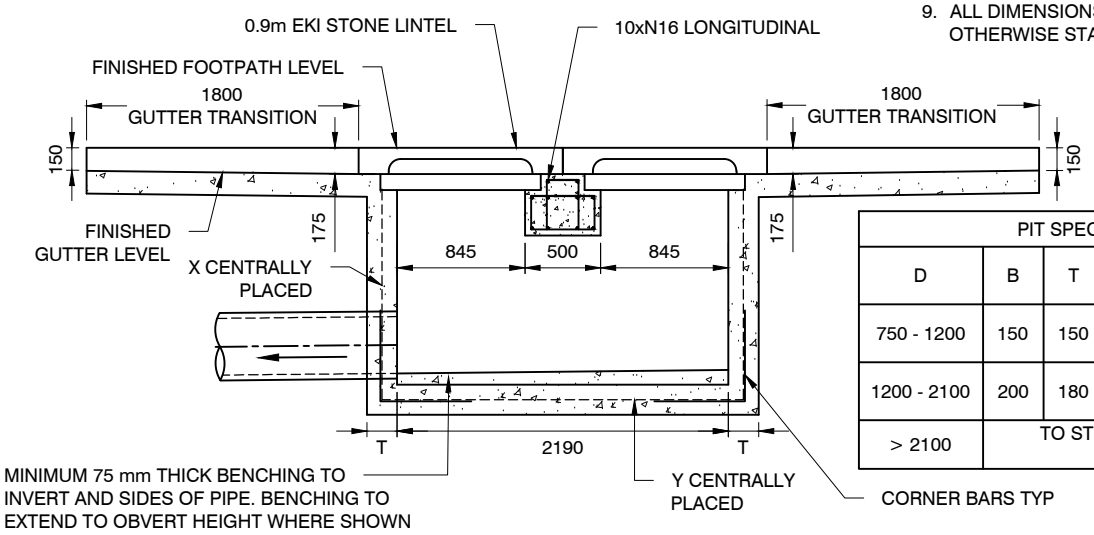
Dwg No. 7.1.2

NOTES:

1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNO.
5. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO.
6. MIN CONCRETE BEAM COVER SHALL BE 40mm
7. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN 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 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
7. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
8. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

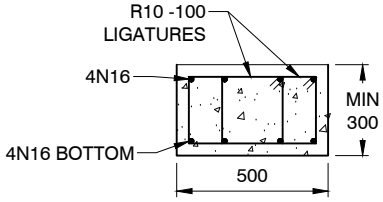
PLAN



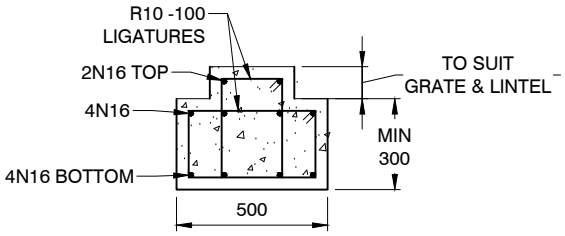


PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

SECTION C-C



SECTION D-D



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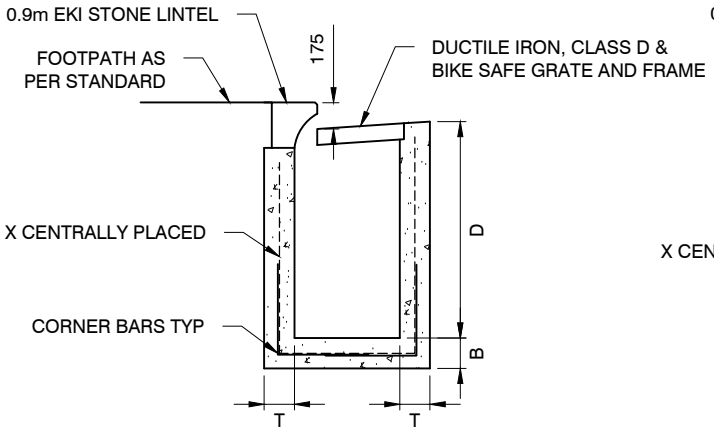
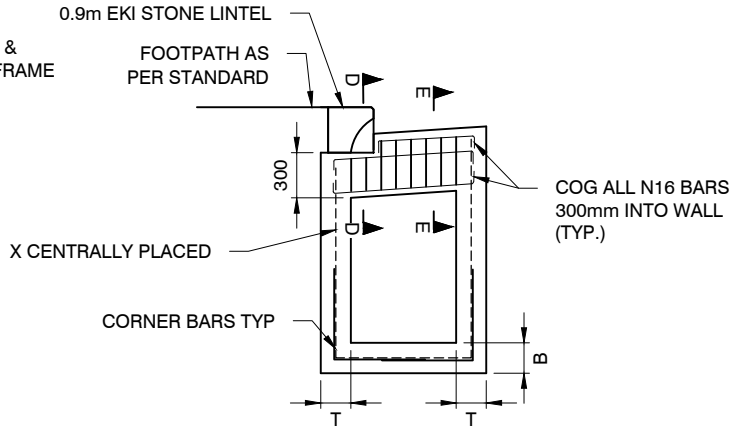


SECTION A-A



SECTION B-B

SCALE 1:50

CITY OF SYDNEY

PITS & PIPES

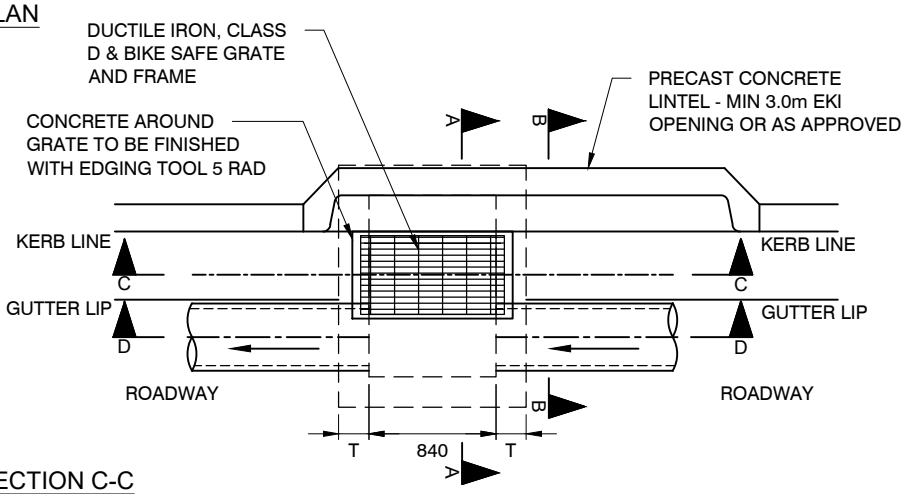
DOUBLE GRATE/LINTEL PIT WITH STONE INLET

DRAINAGE

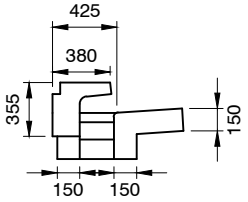
Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.1.3

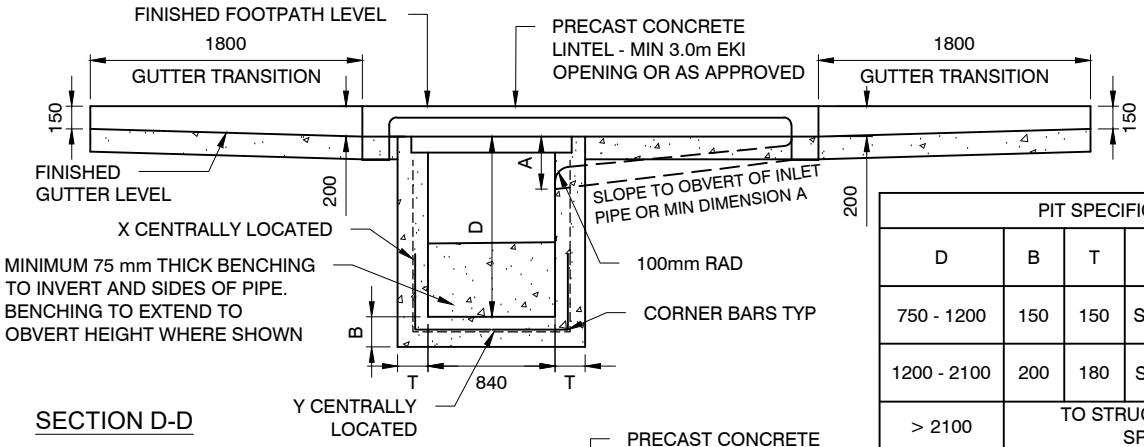
PLAN



SECTION B-B

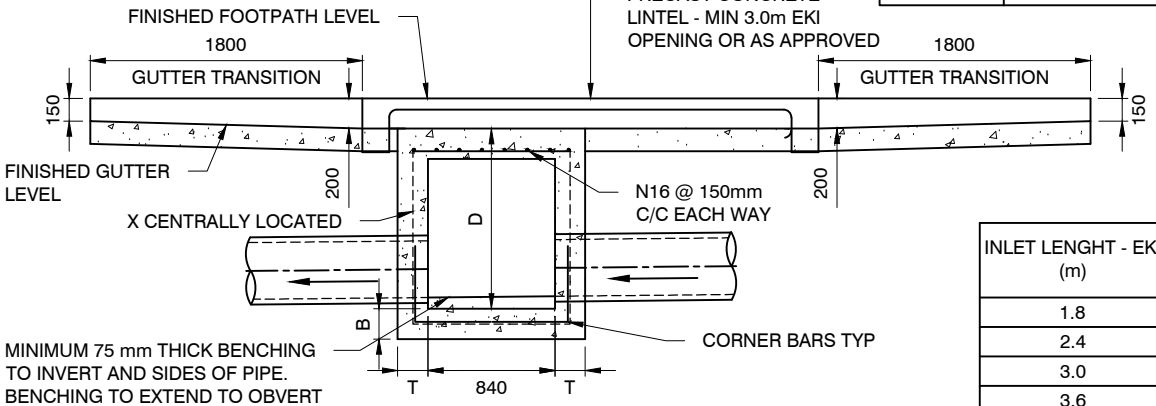


SECTION C-C



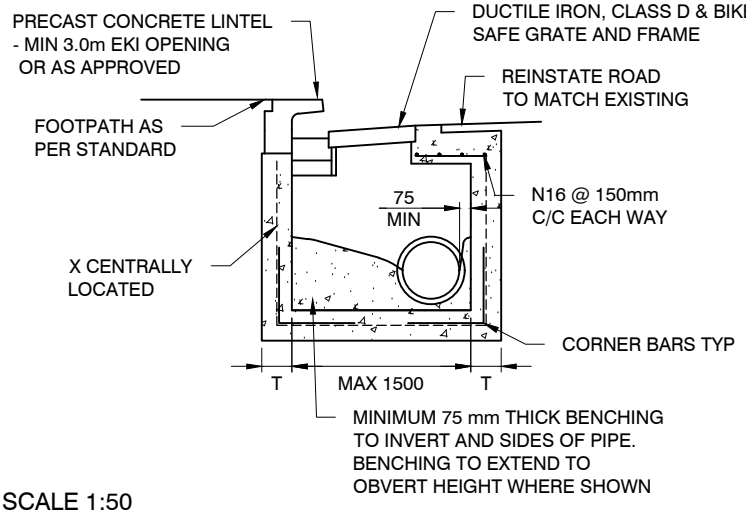
PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

SECTION D-D



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

SECTION A-A



NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:50

CITY OF SYDNEY

PITS & PIPES

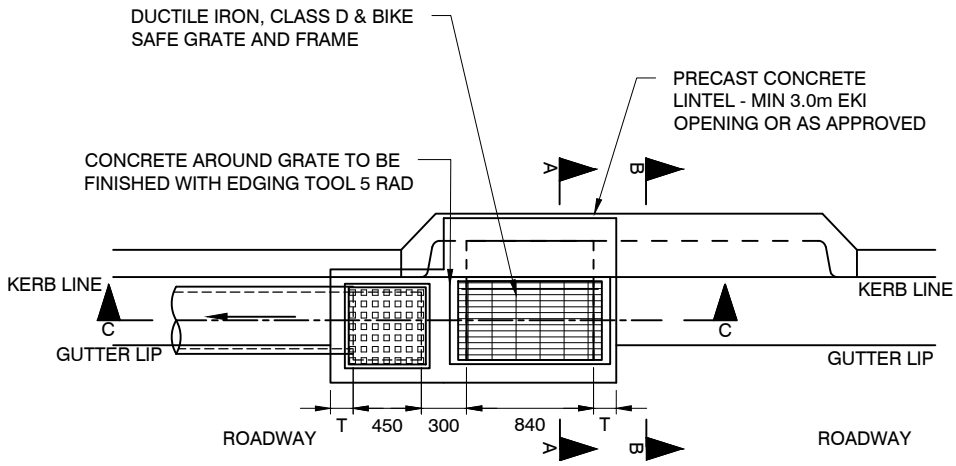
STANDARD EXTENDED GULLY PIT

DRAINAGE

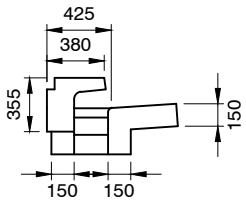
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 7.1.4

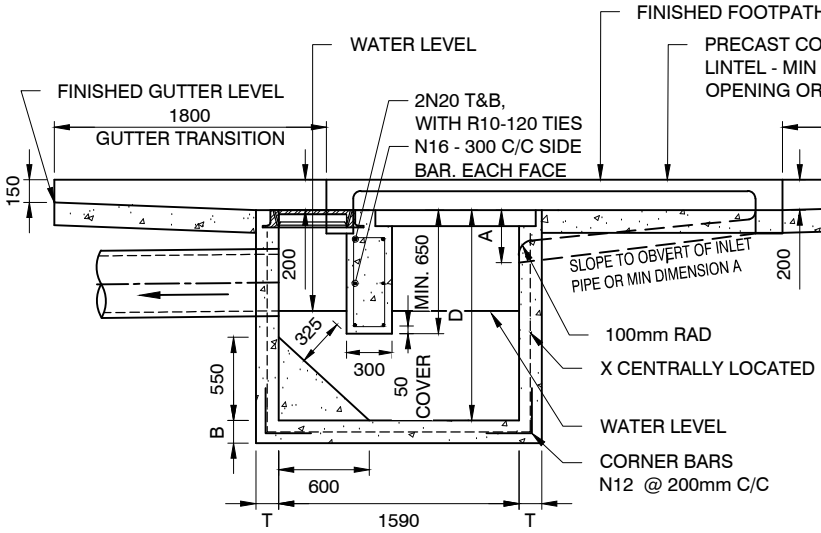
PLAN



SECTION B-B



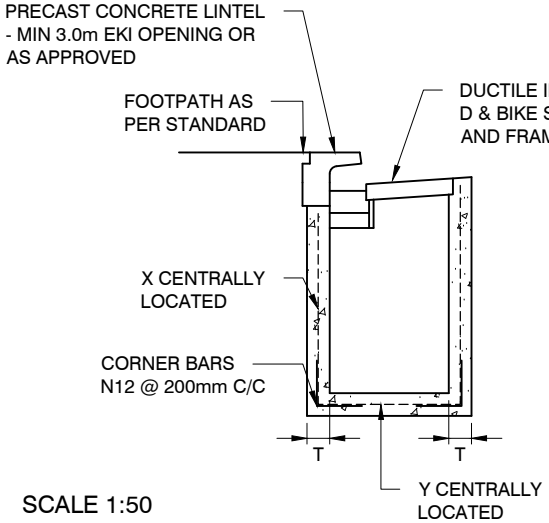
SECTION C-C



PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

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

SECTION A-A



SCALE 1:50

NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNLESS NOTED OTHERWISE.
8. DRAINAGE PIPE TO BE MINIMUM Ø375 CLASS 4 REINFORCED CONCRETE PIPE.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

PITS & PIPES

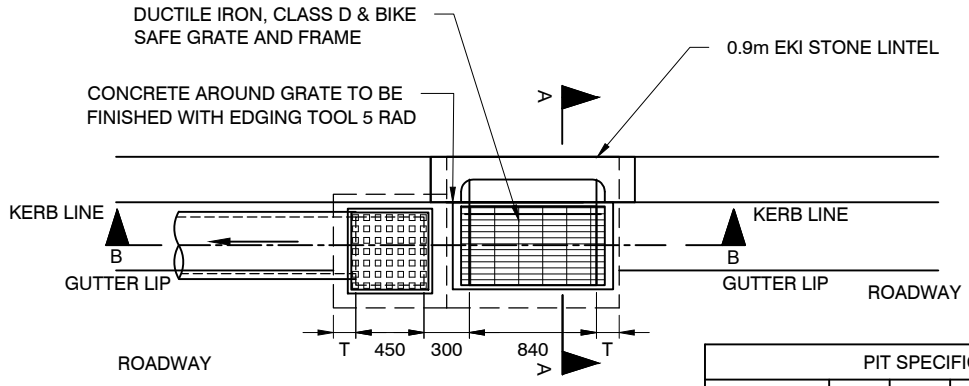
TRAPPED GULLY PIT WITH EXTENDED KERB INLET

DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

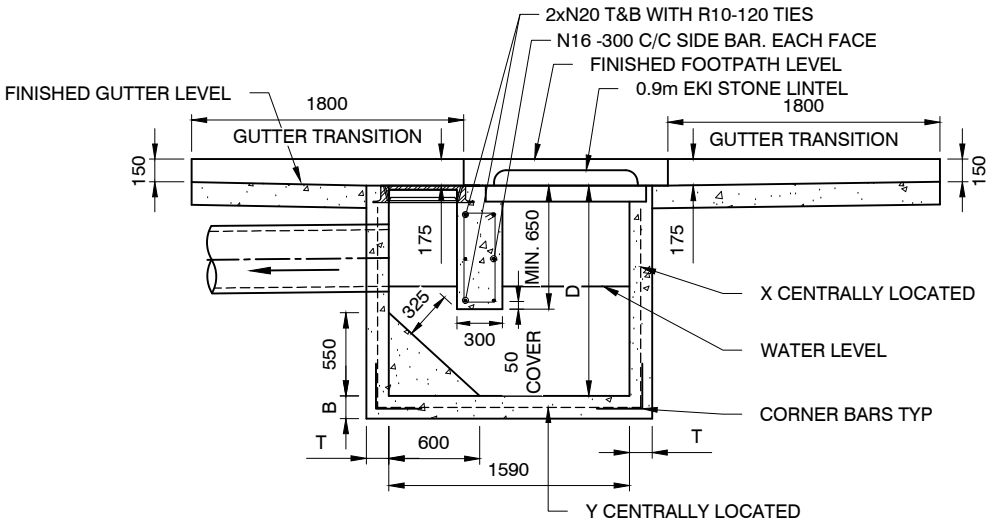
Dwg No. 7.1.5

PLAN

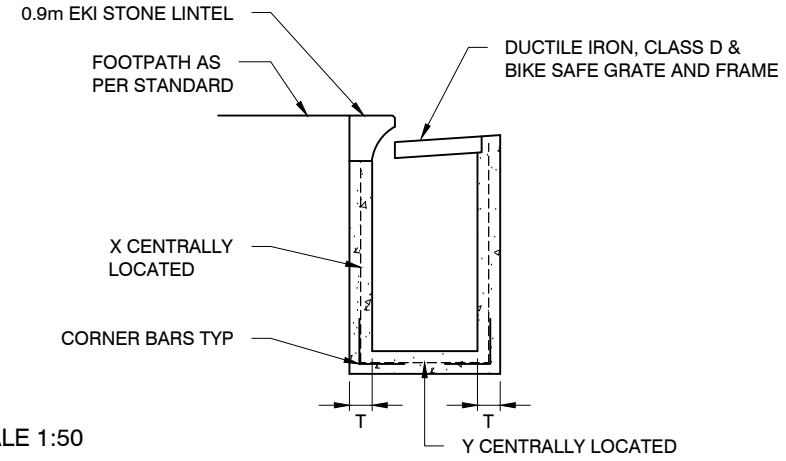


PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

SECTION B-B



SECTION A-A



SCALE 1:50

NOTES:

1. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
2. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
3. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
4. PITS OVER 2.1m IN DEPTH TO BE DESIGNED BY STRUCTURAL ENGINEER.
5. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
6. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
7. DRAINAGE PIPE TO MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

PITS & PIPES

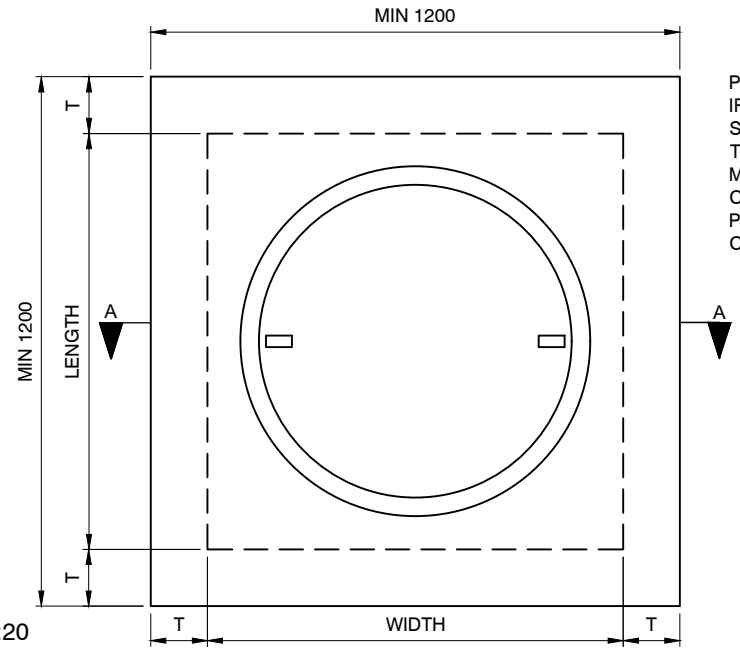
TRAPPED GULLY PIT WITH STONE INLET

DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.1.6

MANHOLE COVER AND FRAME

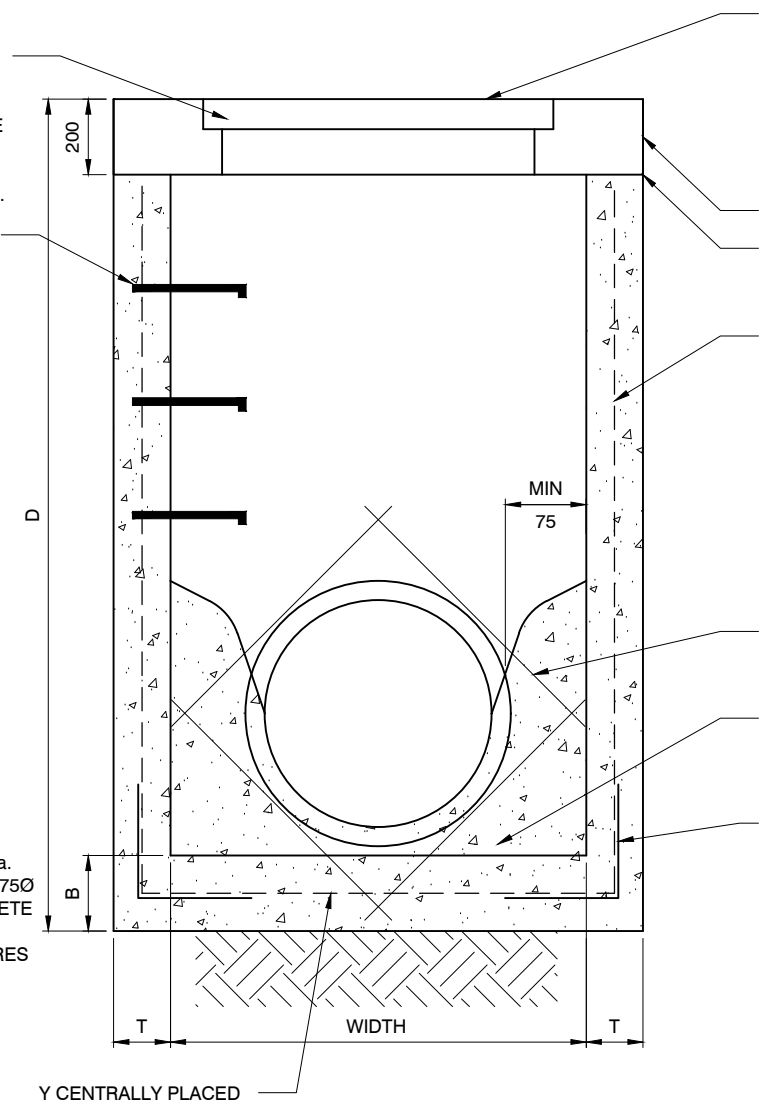


PLAN 1:20

PIT LID IS A CLASS D DUCTILE IRON HINGED LID WITH A SPRING LOCKING SYSTEM THE LID SHALL BE A KORUM MANHOLE COVER (REF CDK060EFX17) OR SIMILAR PRODUCT APPROVED BY THE CITY.

PIT SPECIFICATIONS					
D	B	T	X	Y	CORNER BARS
750 - 1200	150	150	SL82	SL81	N12-300 L 500
1200 - 2100	200	180	SL81	SL81	N12-200 L 600
> 2100	TO STRUCTURAL ENGINEERS SPECIFICATION				

SECTION A-A



MINIMUM DIMENSIONS OF PIT (mm)		
Ø OF OUTLET ON STRAIGHT	WIDTH	LENGTH
UP TO 750	900	900
825 TO 900	1200	1200
1050	1200	1200
1200	1350	1200
1350	1500	1200
1500	1650	1200
1650	1800	1200
1800	1950	1200

NOTES:

1. ALL CONCRETE IS TO HAVE MINIMUM STRENGTH OF 32MPa.
2. DRAINAGE PIPE TO MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

SECTION 1:20

CITY OF SYDNEY

PITS & PIPES

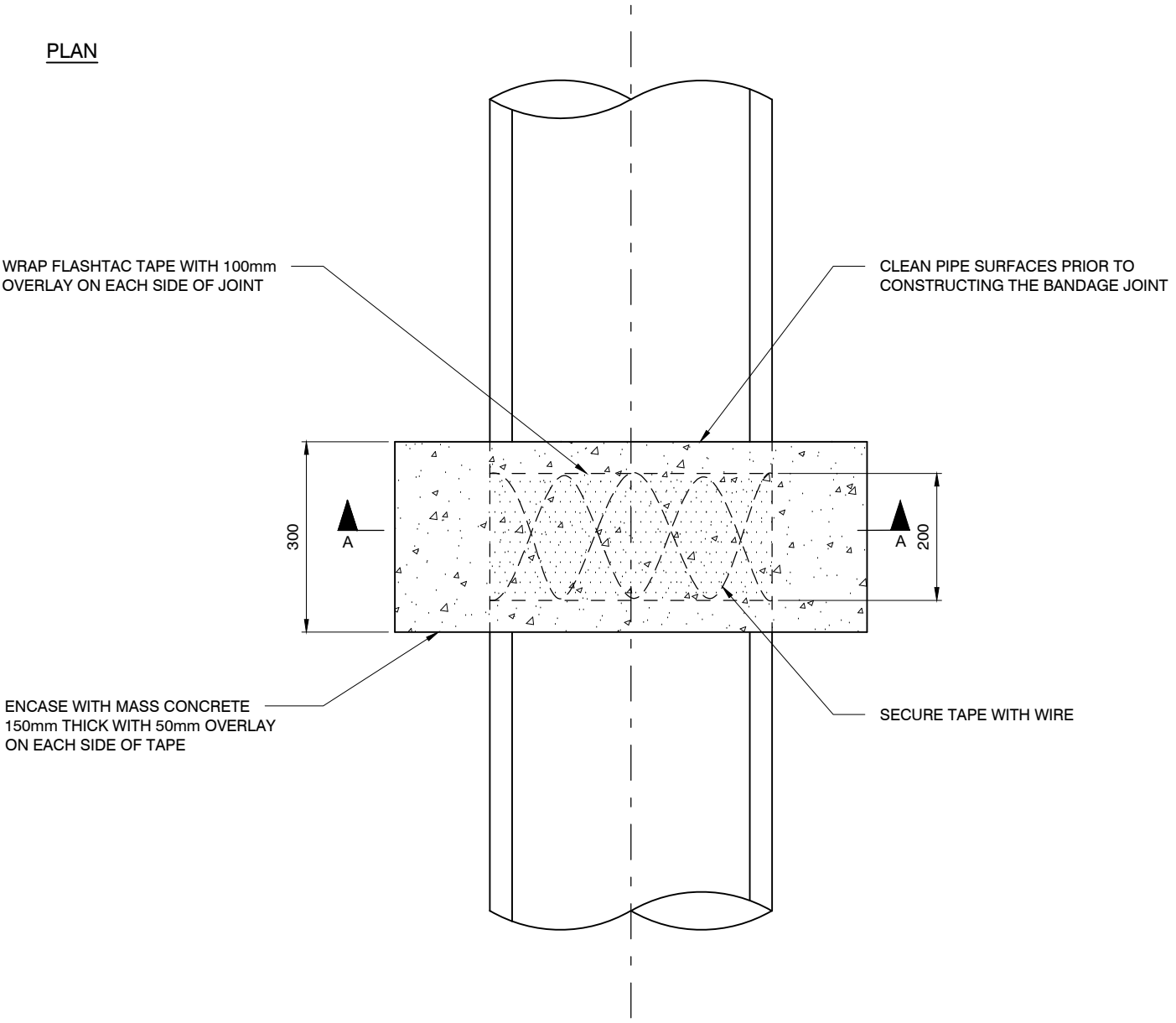
STANDARD JUNCTION PIT

DRAINAGE

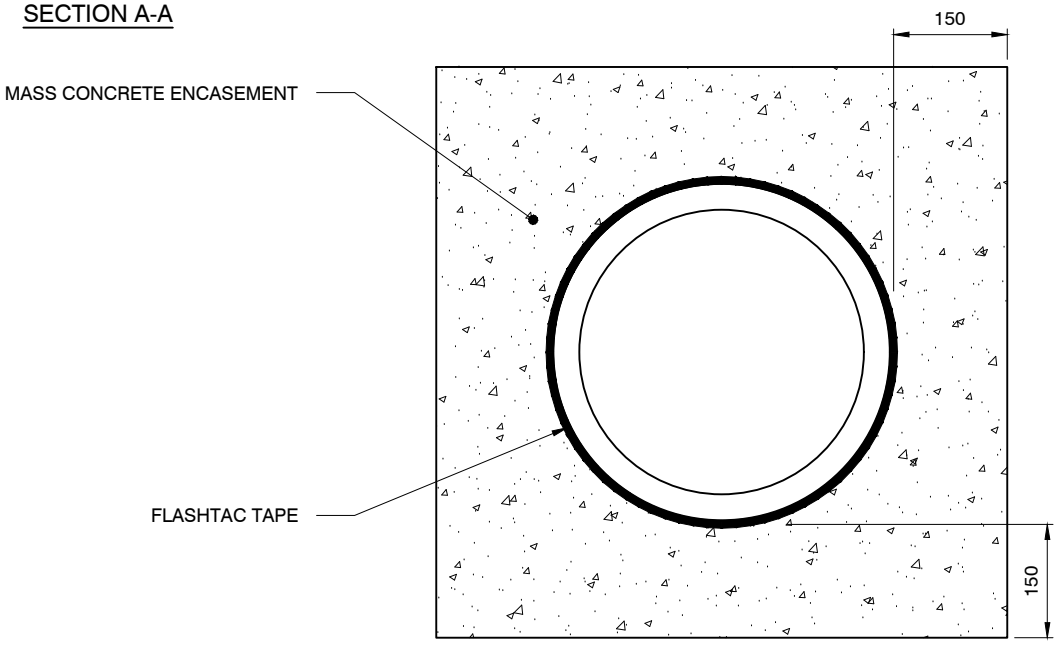
Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.1.7

PLAN



SECTION A-A



SCALE 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

PITS & PIPES

BANDAGE JOINT

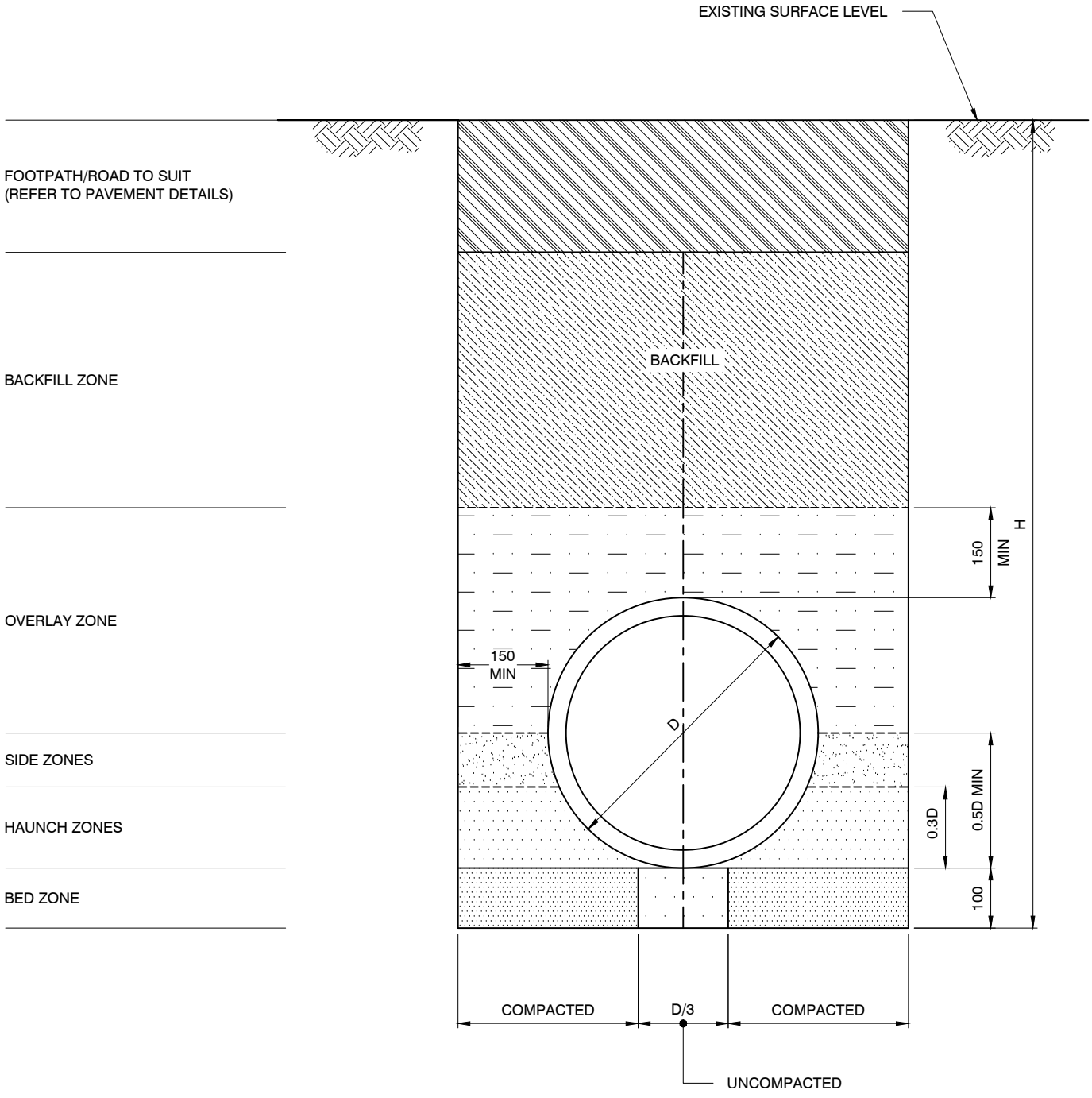
DRAINAGE

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 7.1.8

CONCRETE PIPE TRENCH BACKFILL DETAIL

≤ 900mm DIA.



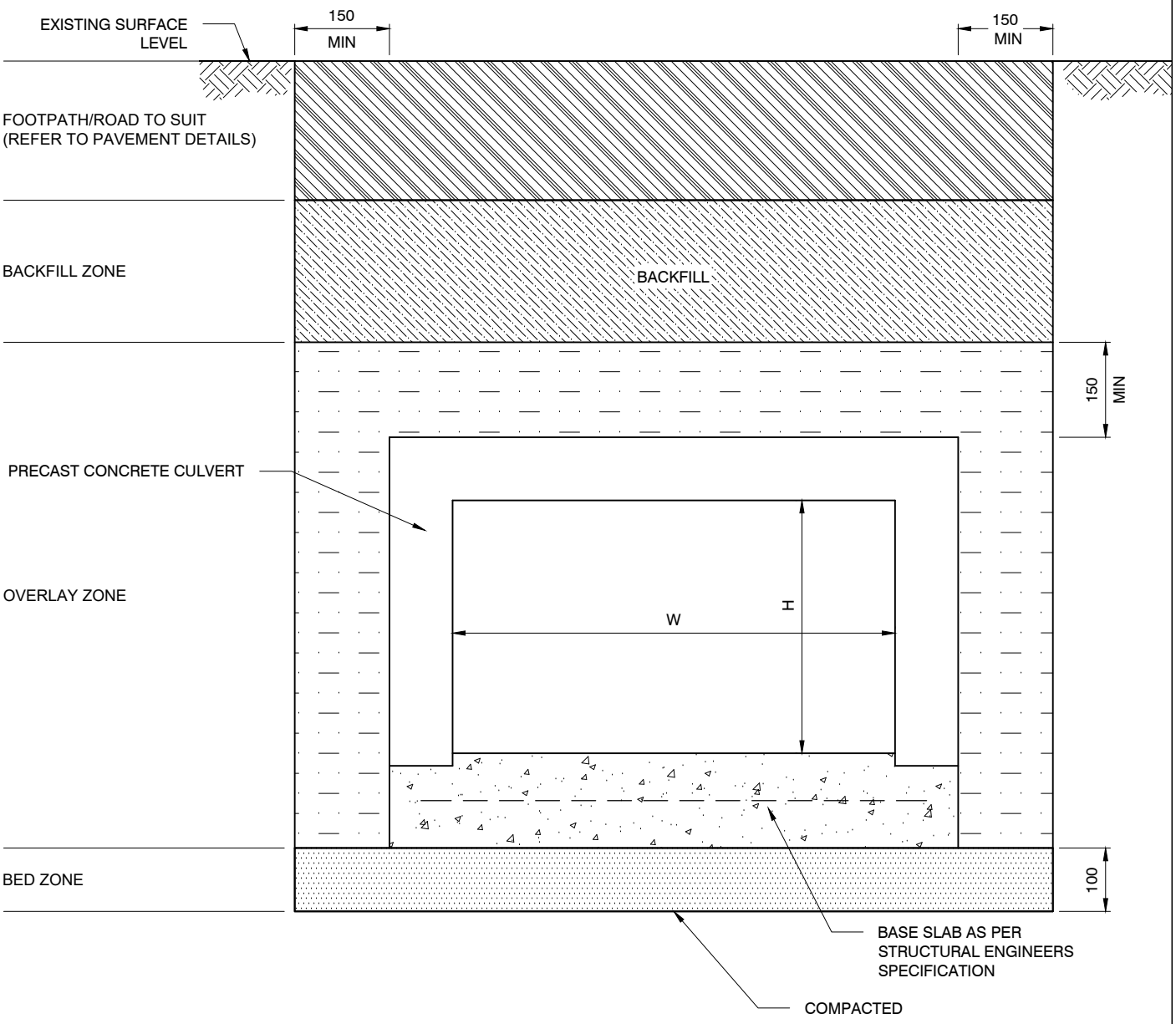
SECTION 1:10

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	PITS & PIPES TYPICAL PIPE TRENCH BACKFILL	DRAINAGE **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 7.1.9

CONCRETE CULVERT TRENCH BACKFILL DETAIL



SECTION 1:10

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

PITS & PIPES

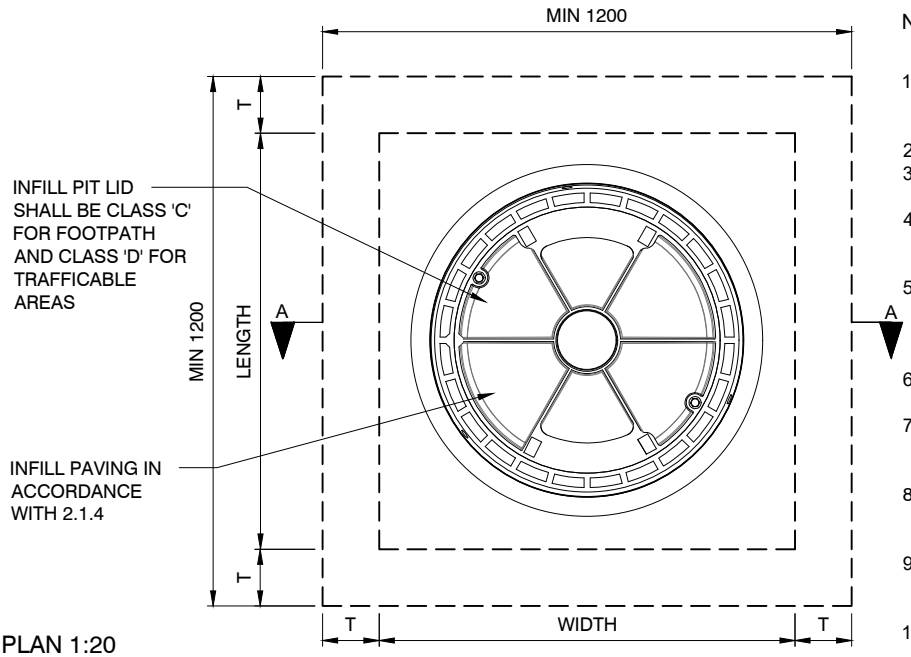
TYPICAL CULVERT TRENCH BACKFILL

DRAINAGE

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 7.1.10

MANHOLE COVER AND FRAME

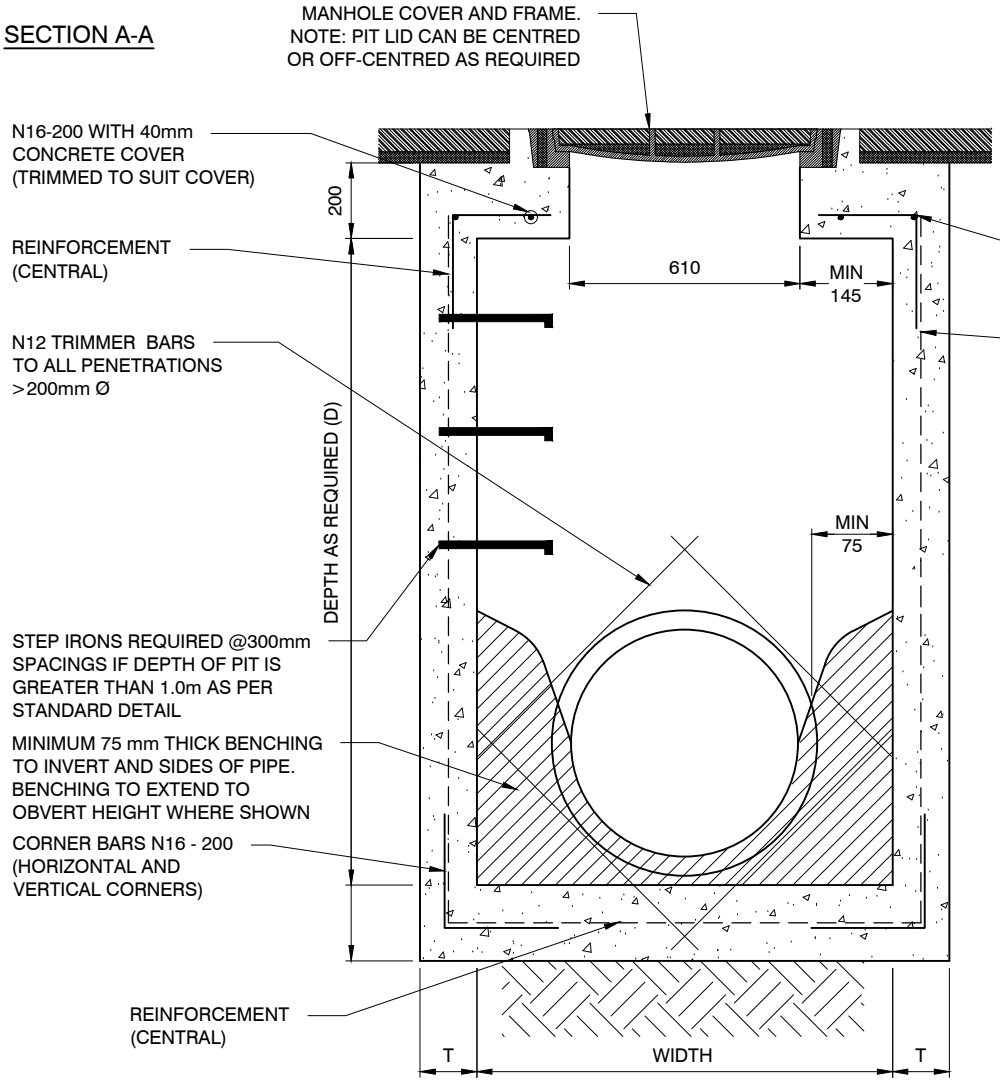


PLAN 1:20

NOTES:

1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm
5. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
6. LAP LENGTH IS TO BE MINIMUM 40 x BAR Ø UNLESS NOTED OTHERWISE.
7. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
8. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
9. 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.
11. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION A-A



D	B	T	REINFORCEMENT
750 - 1300	200	150	SL82
1300 - 2400	250	200	SL102
>2400	AS PER STRUCTURAL ENGINEERS SPECIFICATION		

MINIMUM DIMENSIONS OF PIT (mm)		
Ø OF OUTLET ON STRAIGHT	WIDTH	LENGTH
UP TO 750	900	900
825 TO 900	1200	1200
1050	1200	1200
1200	1350	1200
1350	1500	1200
1500	1650	1200
1650	1800	1200
1800	1950	1200

SECTION 1:20

CITY OF SYDNEY

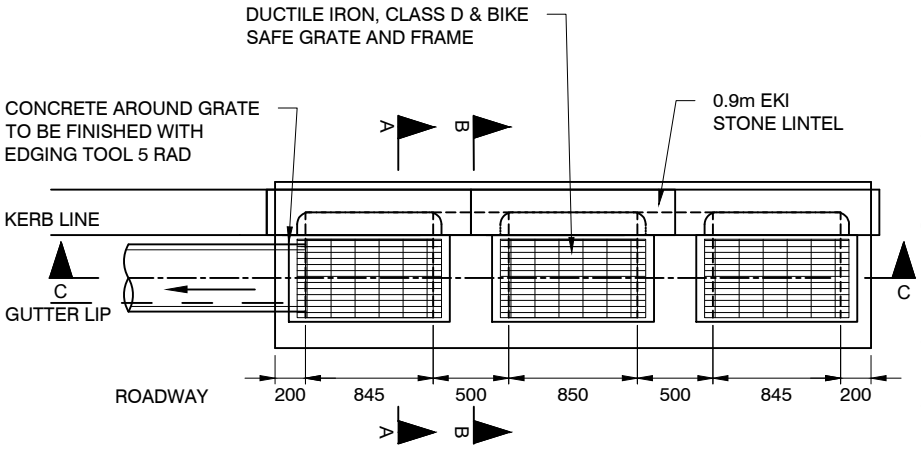
PITS & PIPES

JUNCTION PIT WITH INFILL LID

DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.1.11

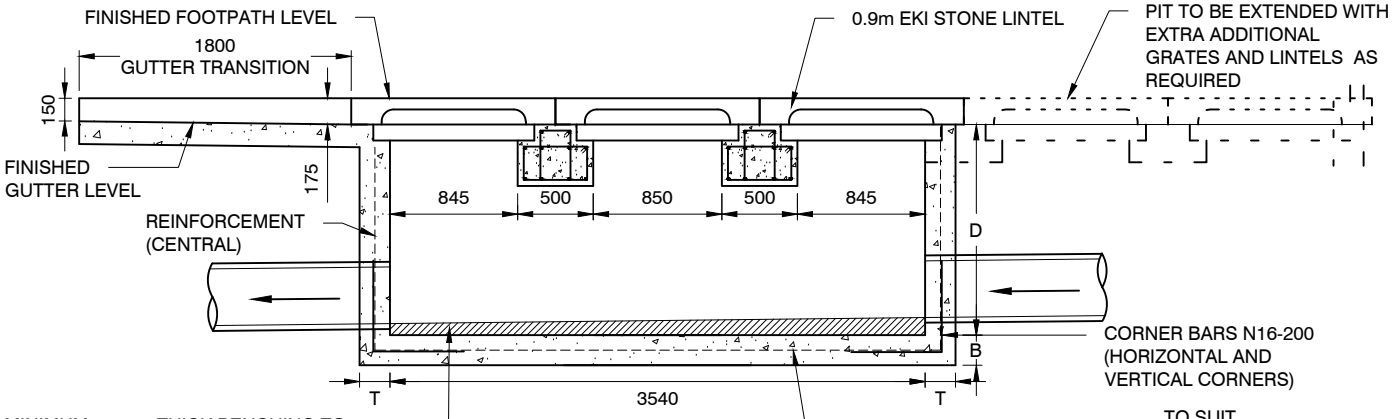


PLAN

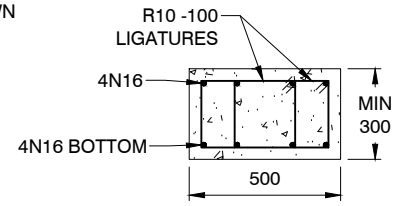
D	B	T	REINFORCEMENT
750 - 1300	200	150	SL82
1300 - 2400	230	200	SL102
>2400	AS PER STRUCTURAL ENGINEERS SPECIFICATION		

NOTES:

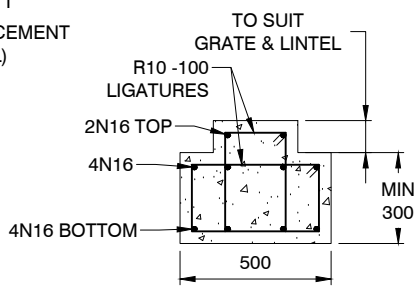
1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNLESS NOTED OTHERWISE.
5. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO.
6. MIN CONCRETE BEAM COVER SHALL BE 40mm
7. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
8. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
9. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
10. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
11. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
12. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



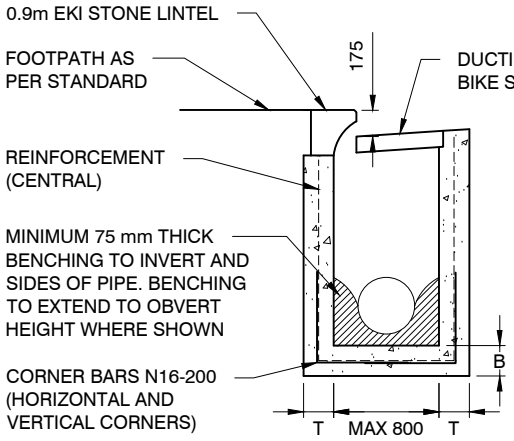
SECTION C-C



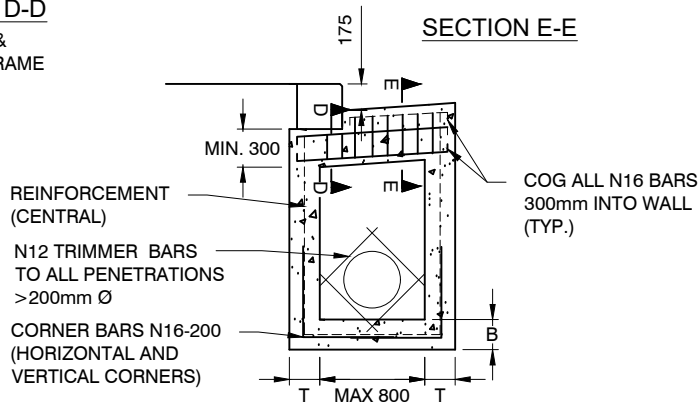
SECTION D-D



SECTION E-E



SECTION A-A



SECTION B-B

CITY OF SYDNEY

PITS & PIPES
HIGH FLOW INLET PIT (STONE KERB)

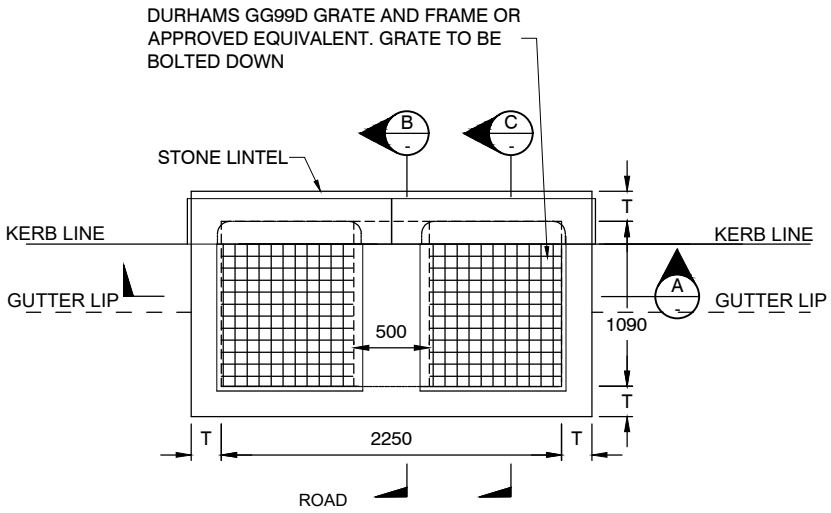
DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

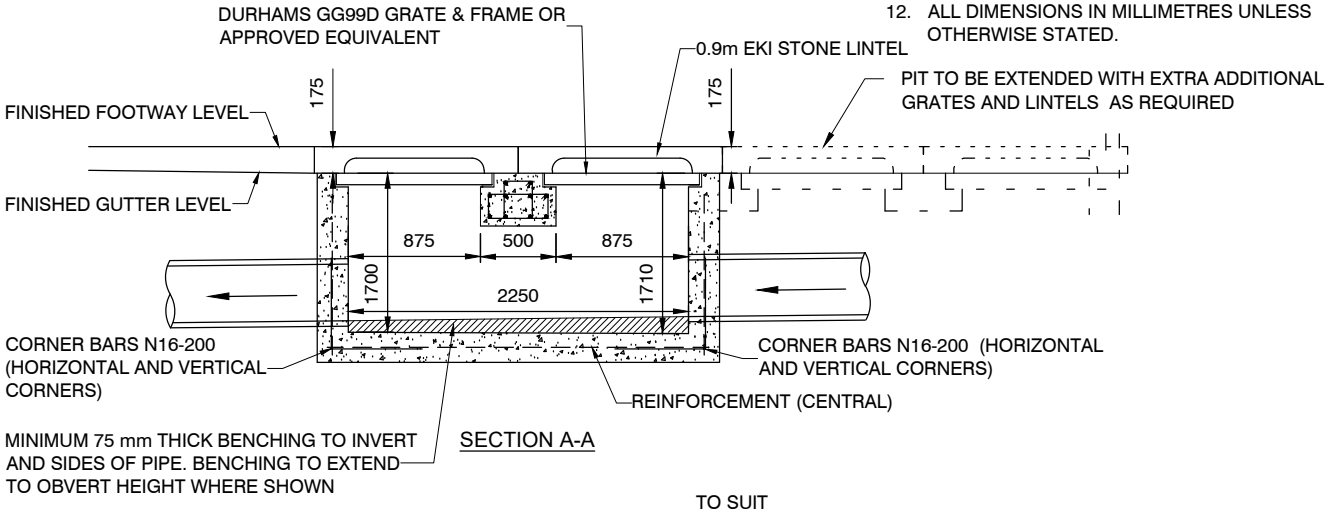
Dwg No. 7.1.12

NOTES:

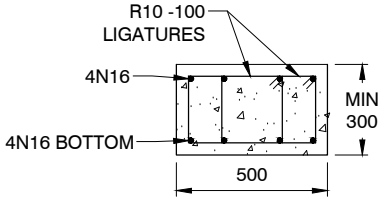
1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. ALL LIGATURES TO BE MIN R10.
4. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
5. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm - B1 COVER
6. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
7. LAP LENGTH IS TO BE MINIMUM 40 x BAR Ø UNLESS NOTED OTHERWISE.
8. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
9. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
10. GRATES SHALL BE BICYCLE SAFE AND HAVE MAXIMUM INLET CAPACITY. ALL GRATES MUST BE APPROVED BY THE CITY'S REPRESENTATIVE.
11. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE.
12. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.



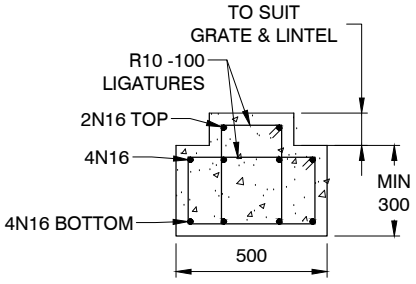
PLAN 1:50



SECTION A-A

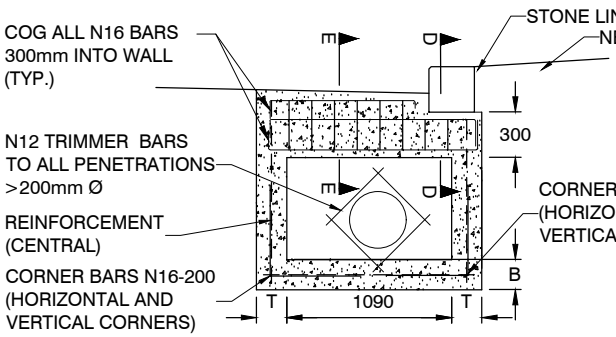


SECTION D-D

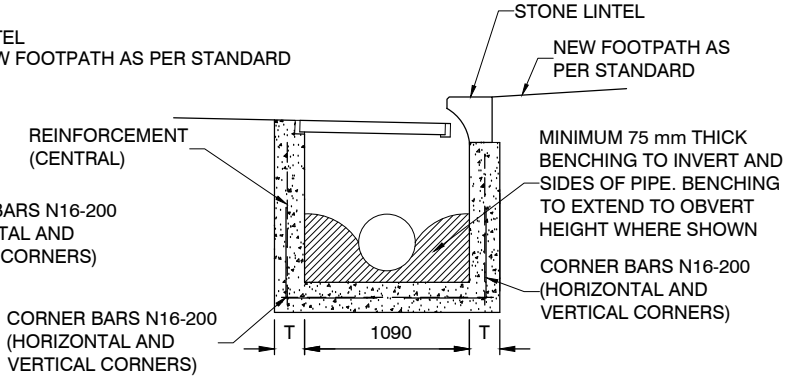


SECTION E-E

H	B	T	REINFORCEMENT
750 - 1300	200	150	SL82
1300 - 2400	250	200	SL102
>2400	AS PER STRUCTURAL ENGINEERS SPECIFICATION		



SECTION B-B



SECTION C-C

CITY OF SYDNEY

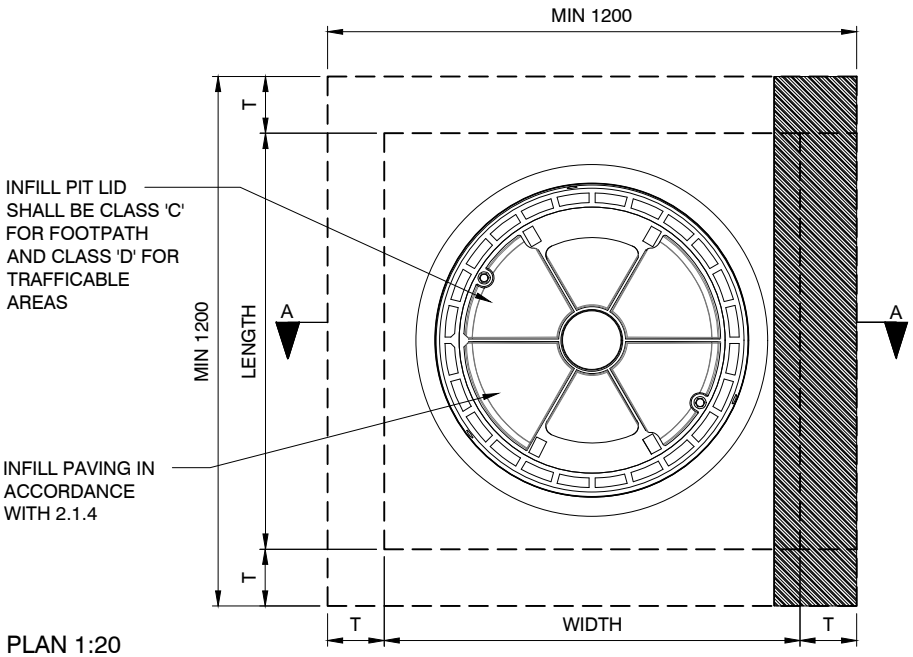
PITS & PIPES
STANDARD SURCHARGE PIT (STONE KERB)

DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.1.13

MANHOLE COVER AND FRAME

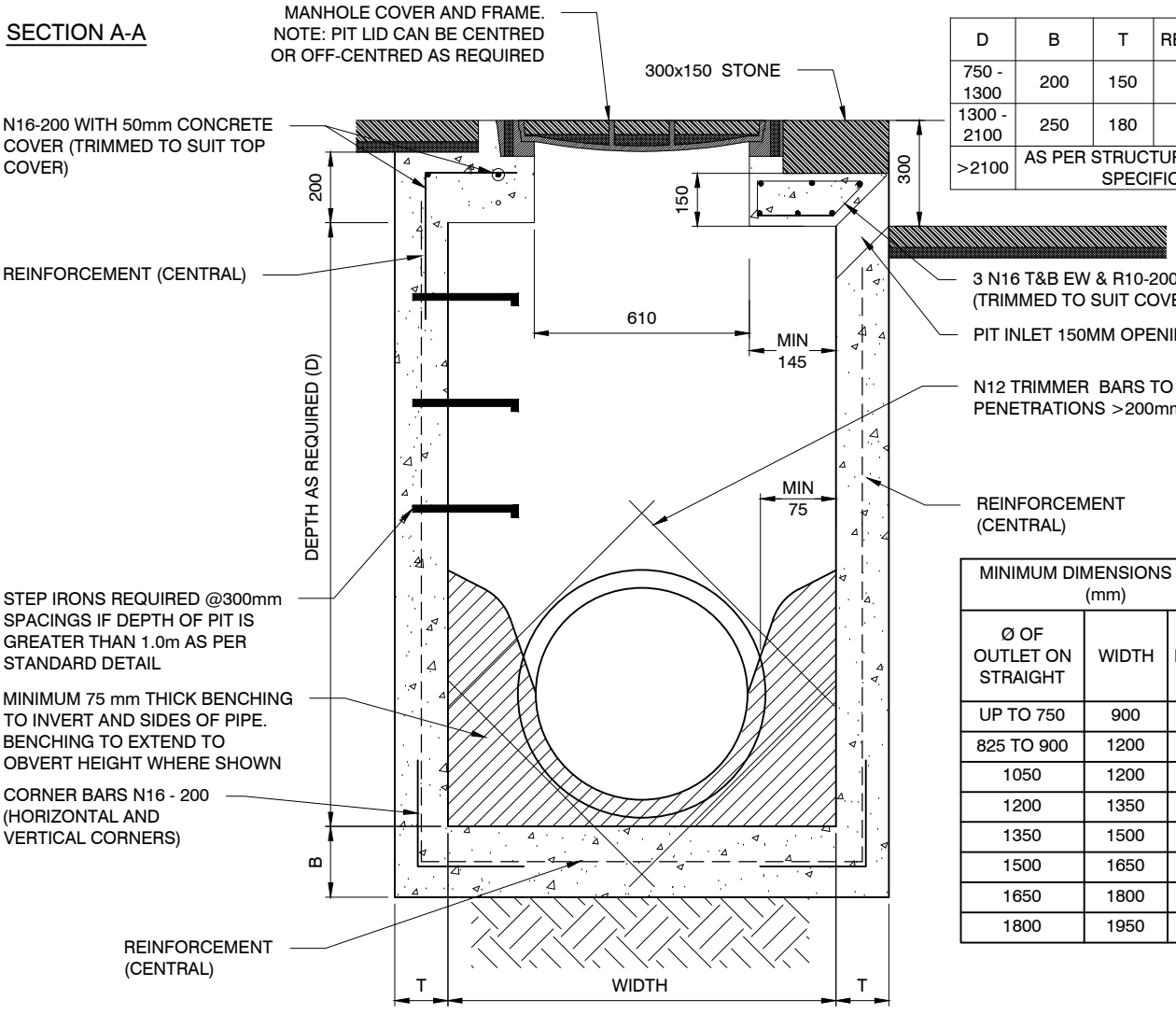


PLAN 1:20

NOTES:

1. CONCRETE STRUCTURES & REINFORCEMENT TO COMPLY WITH AS 3600, AS 4671 & CoS TECHNICAL SPECIFICATIONS.
2. ALL REINFORCEMENT TO BE GRADE 500
3. COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS TO BE 32MPa.
4. ALL REINFORCEMENT SHALL BE PLACED IN MID-SECTION UNO. OTHERWISE MIN CONCRETE COVER SHALL BE 40mm
5. FOR ANY PENETRATION THROUGH WALLS AND SLABS GREATER THAN 200 SPACING, PROVIDE N12 TRIMMER BARS AND ADDITIONAL N12 REPLACEMENT BARS ON EACH SIDE.
6. LAP LENGTH IS TO BE MINIMUM 40 x BAR Ø UNLESS NOTED OTHERWISE.
7. 100mmØ SUBSOIL DRAINAGE PIPE 3.0m LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED IN PIPE TRENCHES ADJACENT TO INLET PIPES.
8. PROVIDE STEP IRONS FOR PITS DEEPER THAN 1.0 m IN ACCORDANCE WITH STANDARD STEP IRONS DRAWING.
9. 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.
11. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SECTION A-A



D	B	T	REINFORCEMENT
750 - 1300	200	150	SL82
1300 - 2100	250	180	SL81
>2100	AS PER STRUCTURAL ENGINEERS SPECIFICATION		

MINIMUM DIMENSIONS OF PIT (mm)		
Ø OF OUTLET ON STRAIGHT	WIDTH	LENGTH
UP TO 750	900	900
825 TO 900	1200	1200
1050	1200	1200
1200	1350	1200
1350	1500	1200
1500	1650	1200
1650	1800	1200
1800	1950	1200

SECTION 1:20

CITY OF SYDNEY

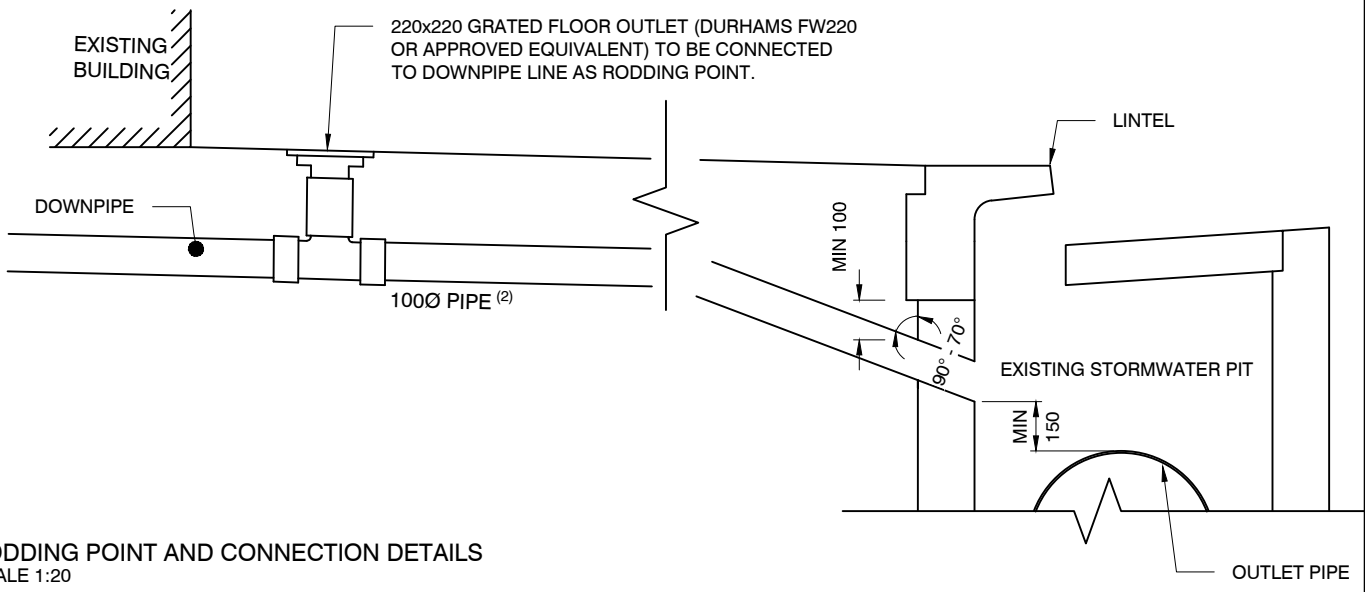
PITS & PIPES

KERB INLET PIT AT STATION

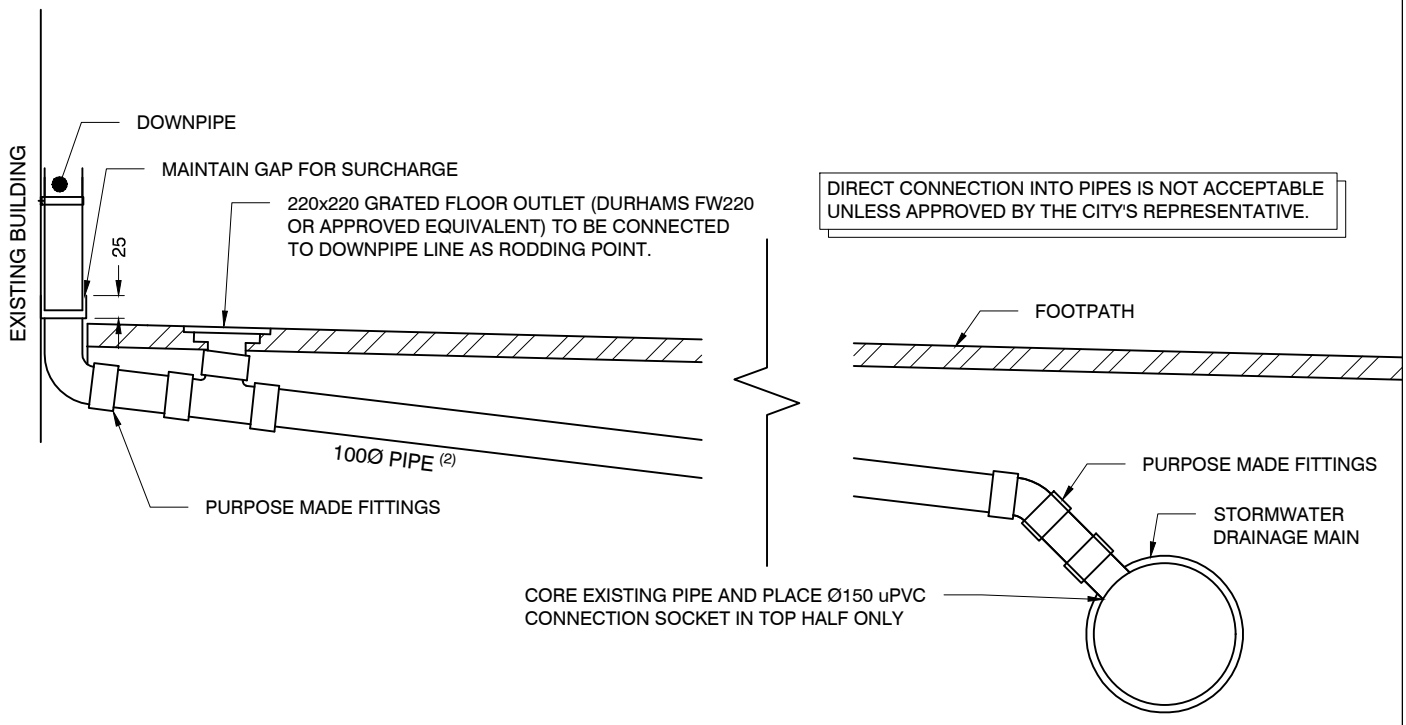
DRAINAGE

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 7.1.14



RODDING POINT AND CONNECTION DETAILS
SCALE 1:20



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.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

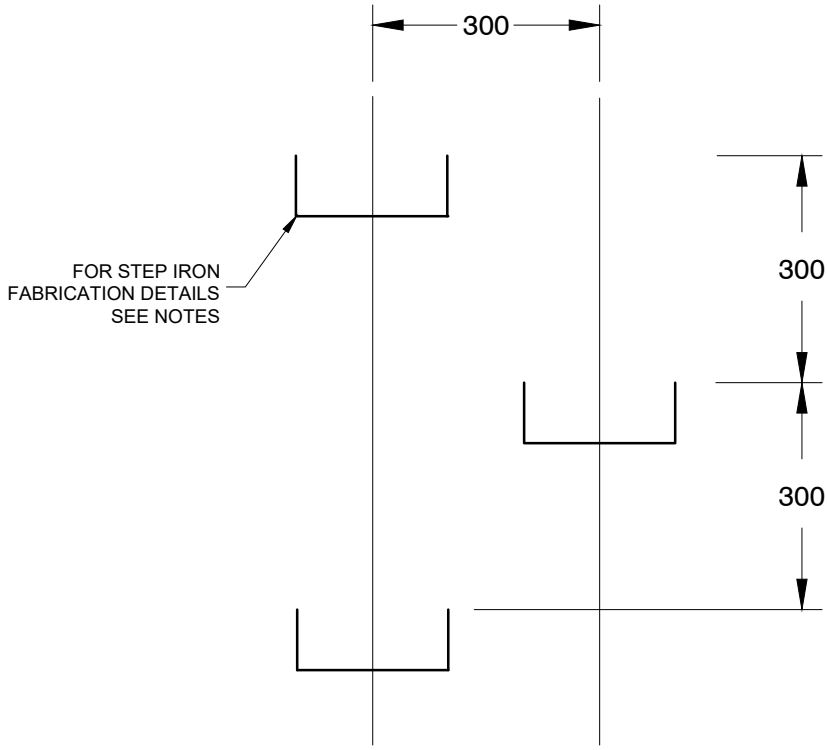
PITS & PIPES

PROPERTY DRAINAGE CONNECTION TO COUNCIL PIPE

DRAINAGE

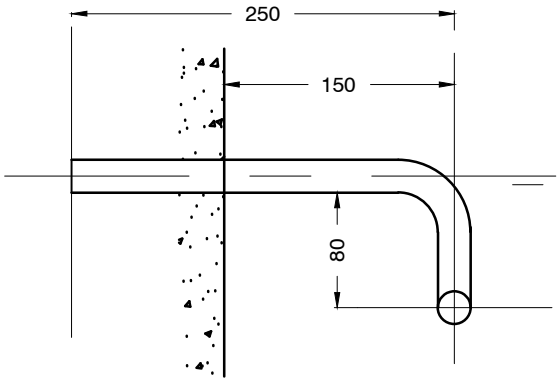
Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.1.18



STEP IRON ARRANGEMENT

ELEVATION 1:10



SECTION 1:5

NOTES:

1. STEP IRONS MUST BE FABRICATED FROM 20mm Ø M.S.
2. 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

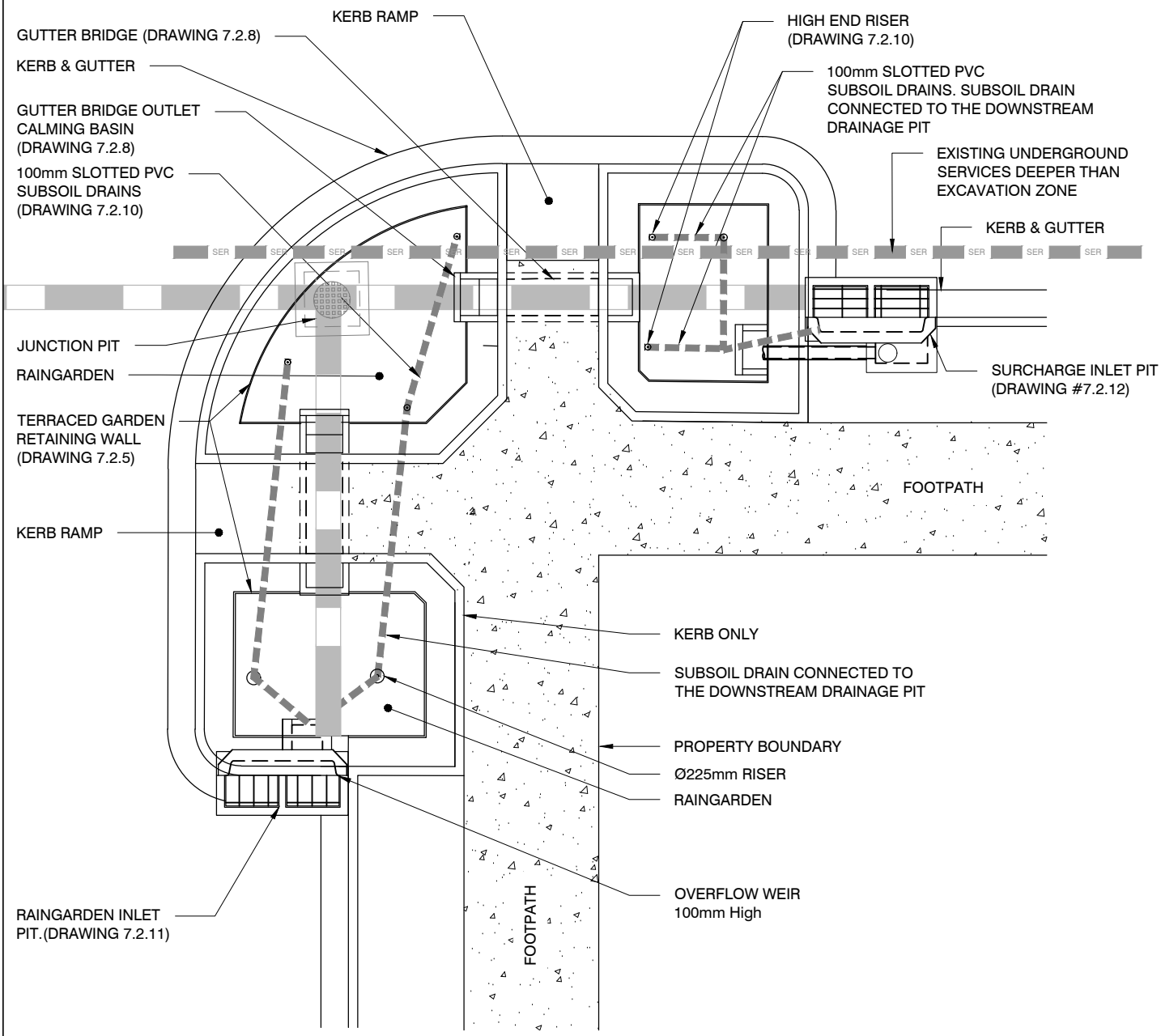
STANDARD STEP IRONS

DRAINAGE

Rev	D
Date	01.12.19
Approved	P S

Dwg No.

7.1.19



PLAN 1:100

NOTES:

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

CITY OF SYDNEY	RAINGARDENS SETOUT PLAN - EXAMPLE	DRAINAGE **Rev** D **Date** 01.12.19 **Approved** P S Dwg No. 7.2.1

CITY OF SYDNEY

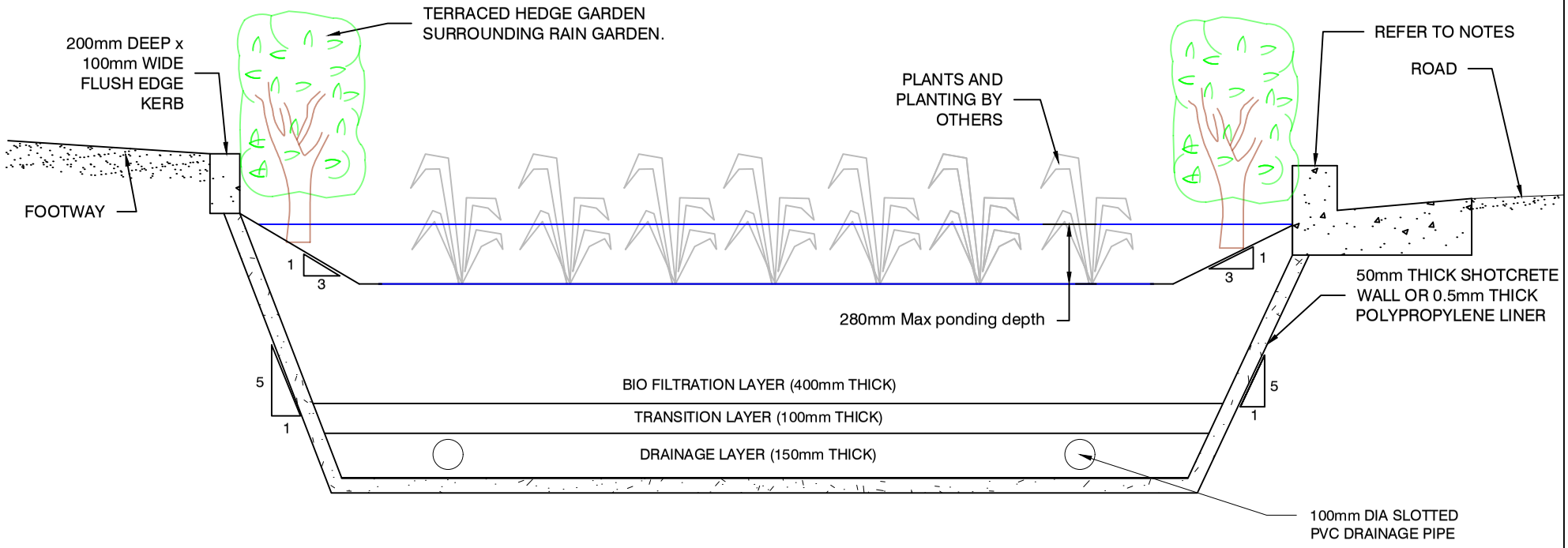
RAINGARDENS
LINED

DRAINAGE

Dwg No. 7.2.2

Rev	Date	Approved
E	16.11.22	S A

SECTION 1:20



NOTES:

1. PROPOSED FILTER MEDIA SHALL COMPLY WITH CITY'S TECHNICAL SPECIFICATION B10 - 10.4.8.2
2. BACK OF KERB SHALL BE CONSTRUCTED VERTICALLY AND NO EXCESS CONCRETE SHALL BE POURED IN THE RAIN GARDEN.
3. WHERE STRUCTURAL STABILITY OF KERB IS A CONCERNED MATTER, THE KERB & GUTTER MAY BE REINFORCED USING REINFORCEMENT STEEL BARS REFER DWG# 1.1.15.
4. THE KERBS MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH CITY OF SYDNEY STREET CODE.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

CITY OF SYDNEY

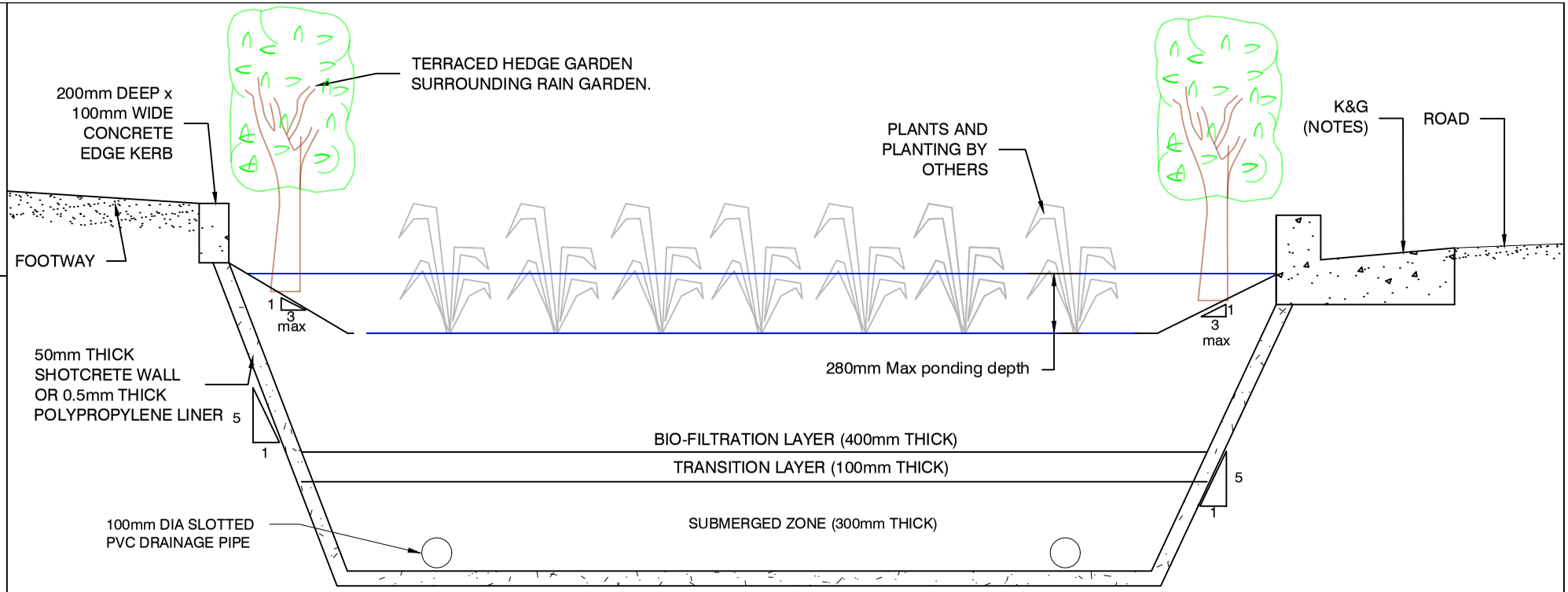
RAINGARDENS

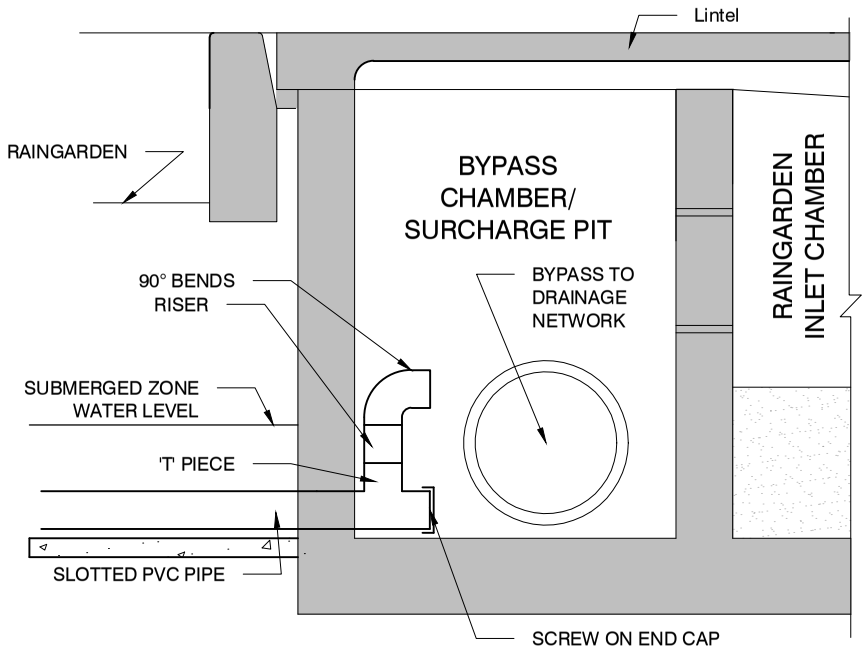
LINED - SUBMERGED ZONE

DRAINAGE

Dwg No. 7.2.3

Rev	Date	Approved
E	16.11.22	S A





NON-STANDARD DRAINAGE PIT CONNECTION (SUBMERGED ZONE)

NOTES:

1. PROPOSED FILTER MEDIA SHALL COMPLY WITH CITY'S TECHNICAL SPECIFICATION B10 - 10.4.8.2
2. BACK OF KERB SHALL BE CONSTRUCTED VERTICALLY AND NO EXCESS CONCRETE SHALL BE POURED IN THE RAIN GARDEN.
3. WHERE STRUCTURAL STABILITY OF KERB IS A CONCERNED MATTER, THE KERB & GUTTER MAY BE REINFORCED USING REINFORCEMENT STEEL BARS REFER DWG# 1.1.15.
4. THE KERBS MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH CITY OF SYDNEY STREET CODE.
5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

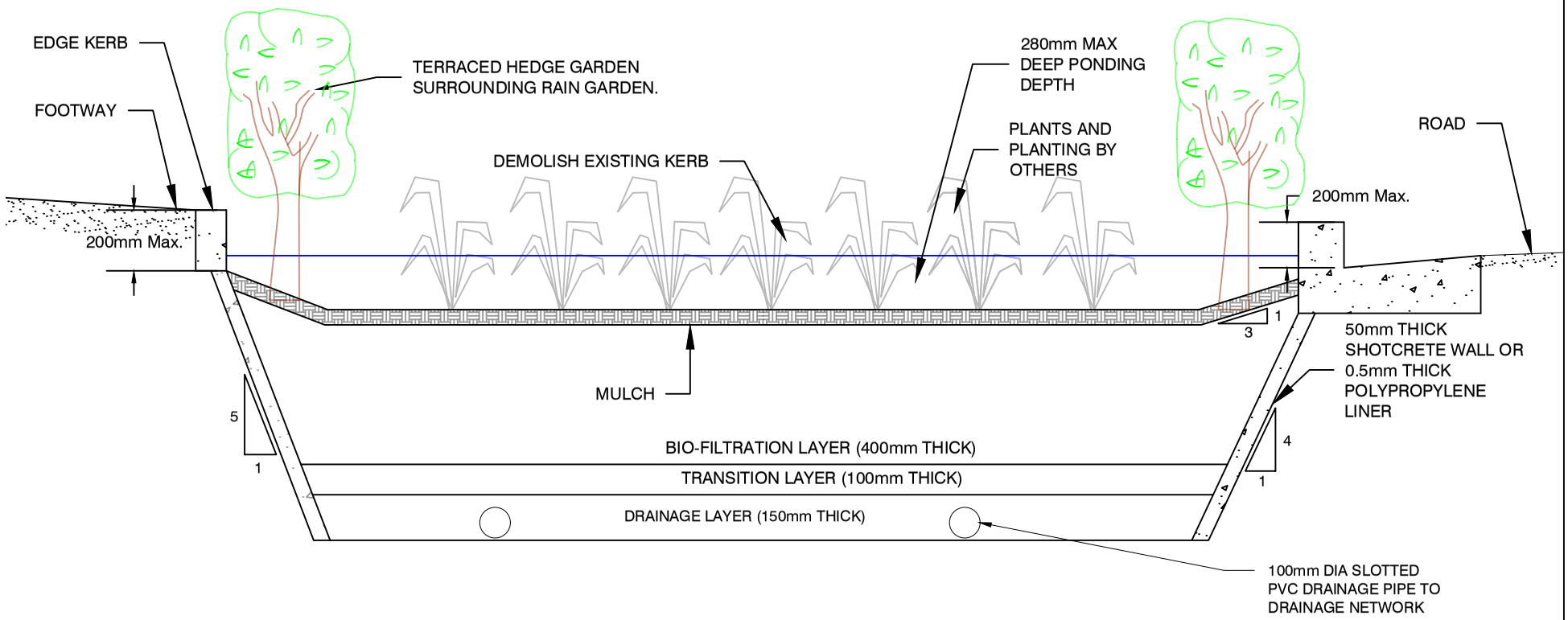
CITY OF SYDNEY

RAINGARDENS
UNLINED

DRAINAGE
Dwg No. 7.2.4

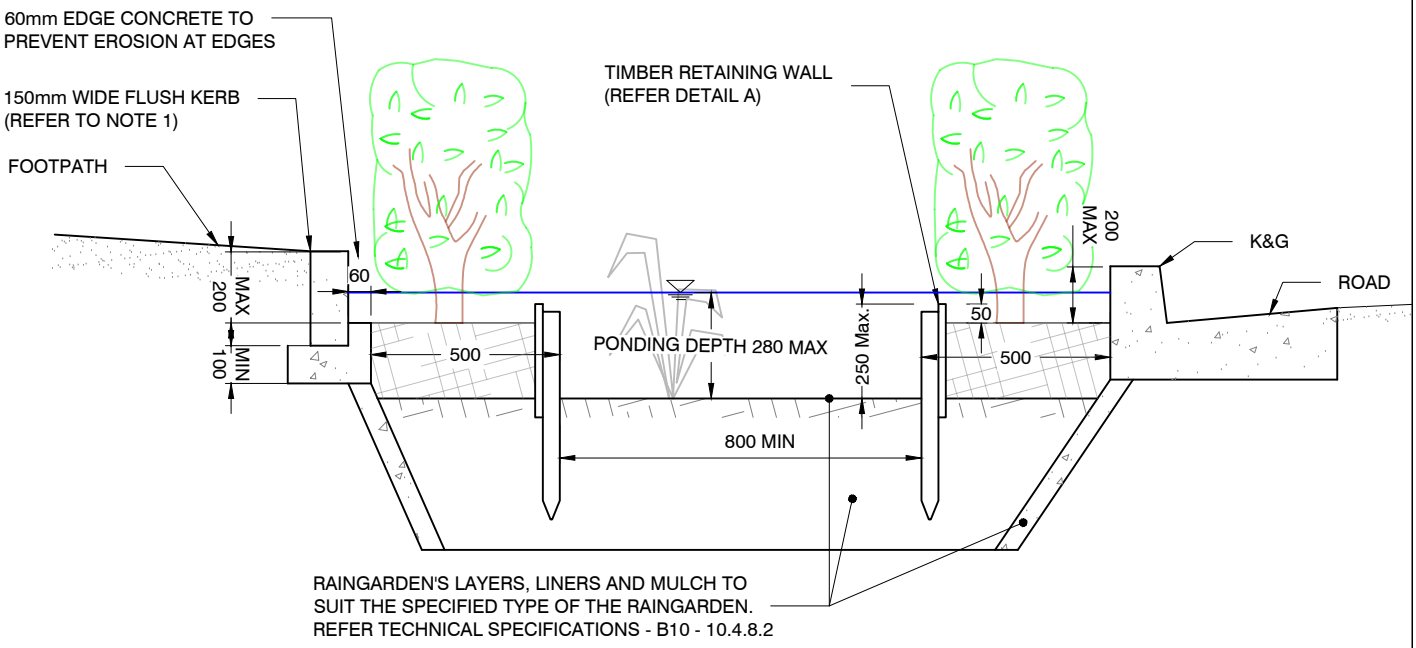
Rev	Date	Approved
E	16.11.22	S A

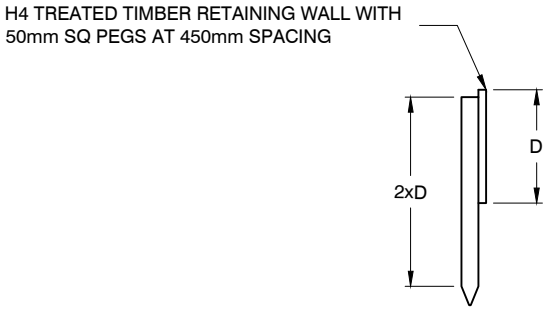
SECTION 1:20



NOTES:

1. PROPOSED FILTER MEDIA SHALL COMPLY WITH CITY'S TECHNICAL SPECIFICATION B10 - 10.4.8.2
2. BACK OF KERB SHALL BE CONSTRUCTED VERTICALLY AND NO EXCESS CONCRETE SHALL BE POURED IN THE RAIN GARDEN.
3. WHERE STRUCTURAL STABILITY OF KERB IS A CONCERNED MATTER, THE KERB & GUTTER MAY BE REINFORCED USING REINFORCEMENT STEEL BARS REFER DWG# 1.1.15.
4. THE KERBS MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH CITY OF SYDNEY STREET CODE.
5. DRAINAGE LAYER MAY BE DELETED IF THERE IS NO DRAINAGE IN THE VICINITY SUBJECTED TO CITY'S APPROVAL.
6. THE SLOTTED PIPE SHALL BE CONNECTED TO BY PASS CHAMBER OF BYPASS PIT/SURCHARGE PIT
7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

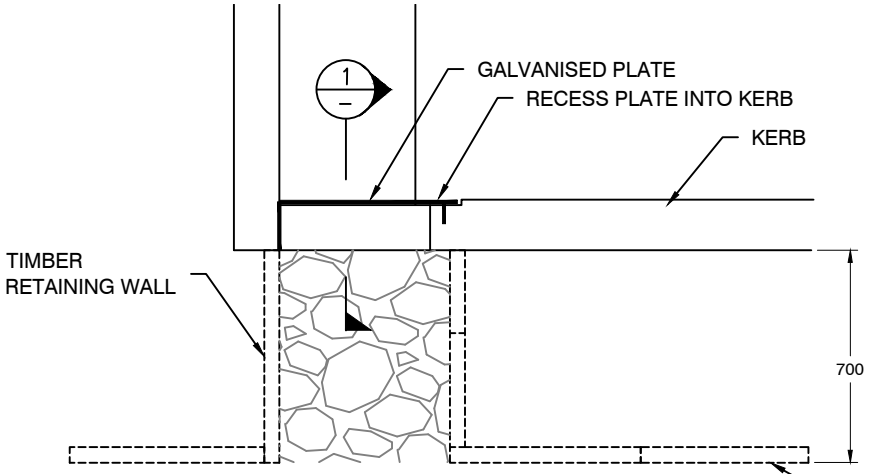




DETAIL A

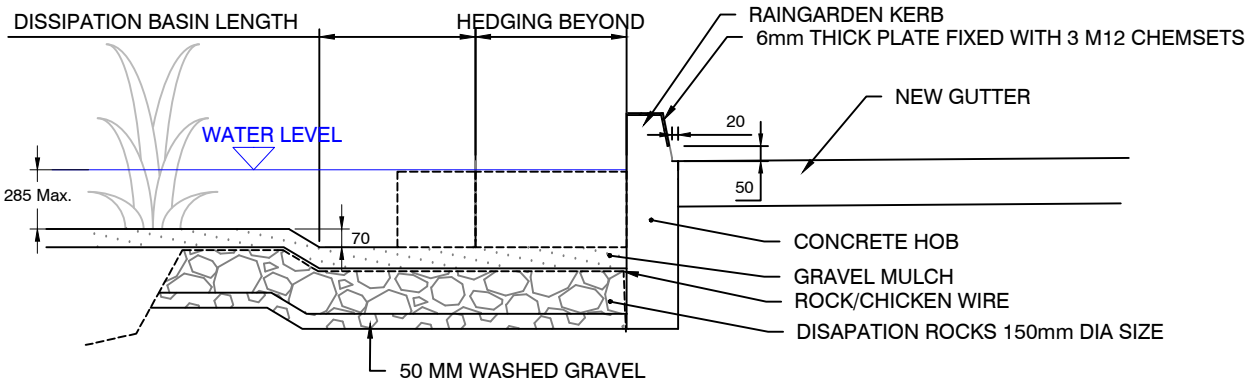
NOTES:

1. THE FLUSH KERB AT THE EGDE OF THE FOOTPATH SHALL BE SELECTED TO MATCH THE SURROUNDING KERBS.
2. OTHER MATERIALS MAY BE USED FOR THE RETAINING TERRACED EDGES UPON CITY'S APPROVAL.
3. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED



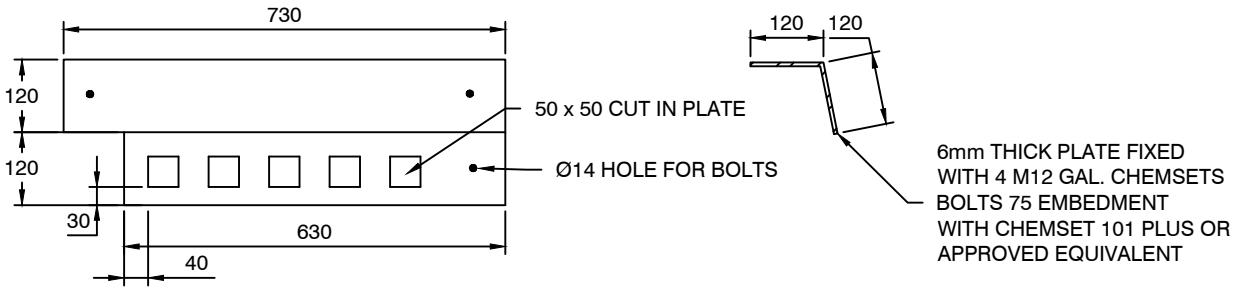
RAINGARDEN ENERGY DISSIPATION - PLAN

1:25



SECTION 1 / -

1:10



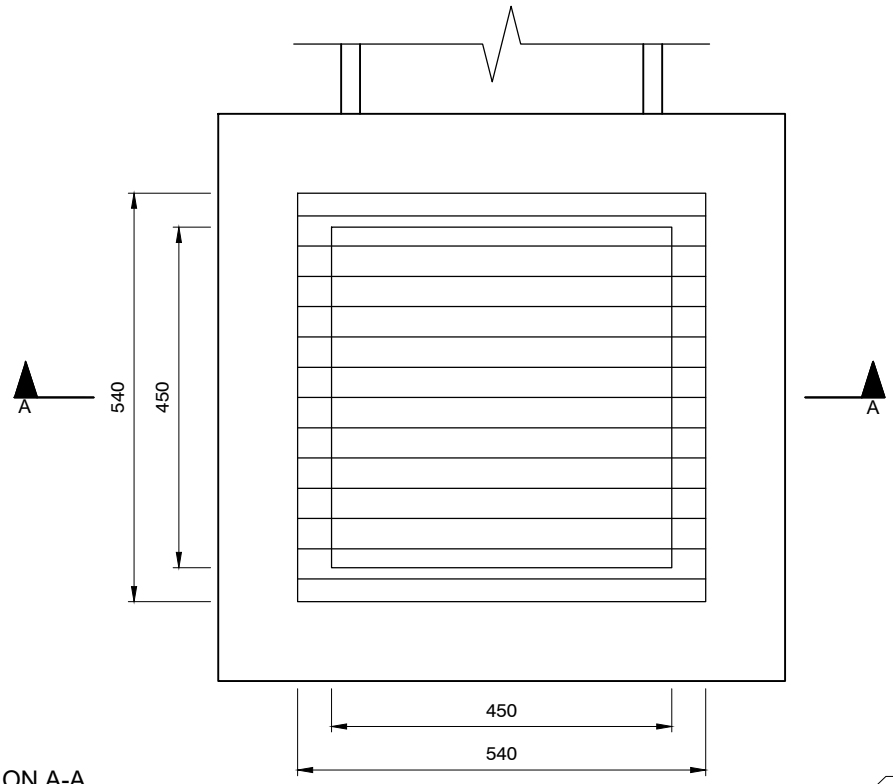
GALVANISED PLATE

1:10

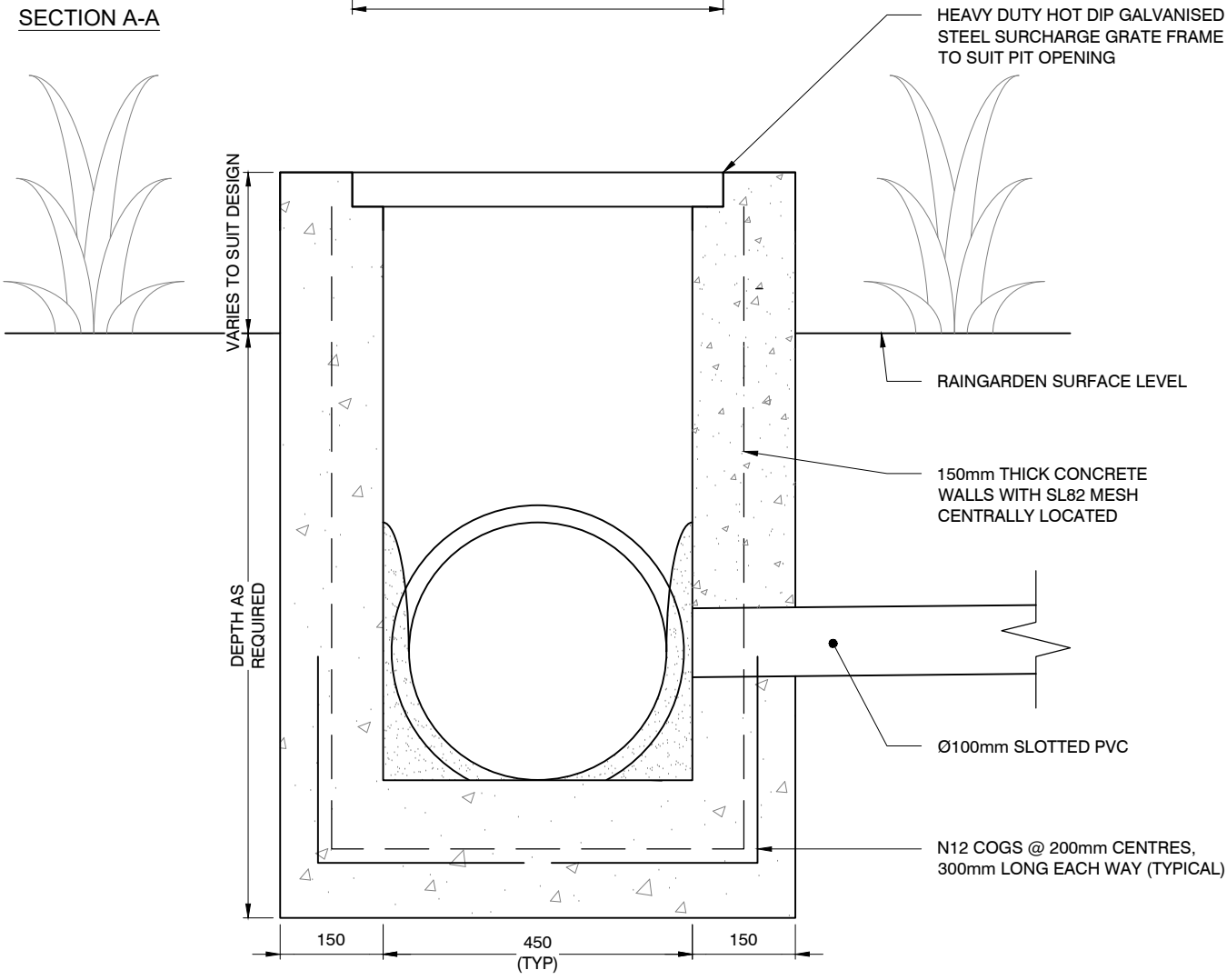
NOTES:

1. DISSIPATION BASIN LENGTH SHALL BE MINIMUM 400mm UNLESS NOTES OTHERWISE.
2. 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

PLAN



SECTION A-A



SCALE 1:10

NOTES:

1. ALL CONCRETE IS TO HAVE A MINIMUM STRENGTH OF 32 MPa.
2. PIT STRUCTURE TO BE 150mm THICK UNLESS NOTED OTHERWISE.
3. DRAINAGE PIPE TO BE MINIMUM 375Ø CLASS 4 REINFORCED CONCRETE PIPE
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

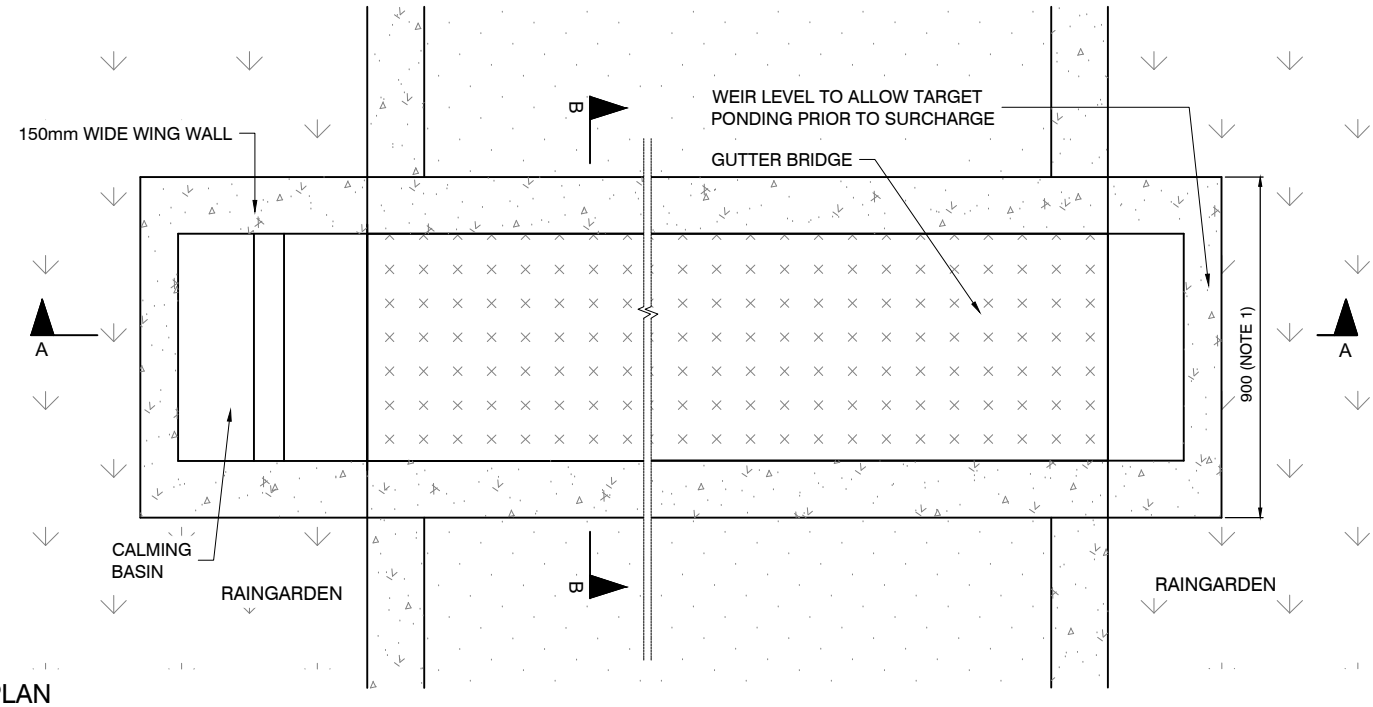
RAINGARDENS

STANDARD SURCHARGE INLET PIT

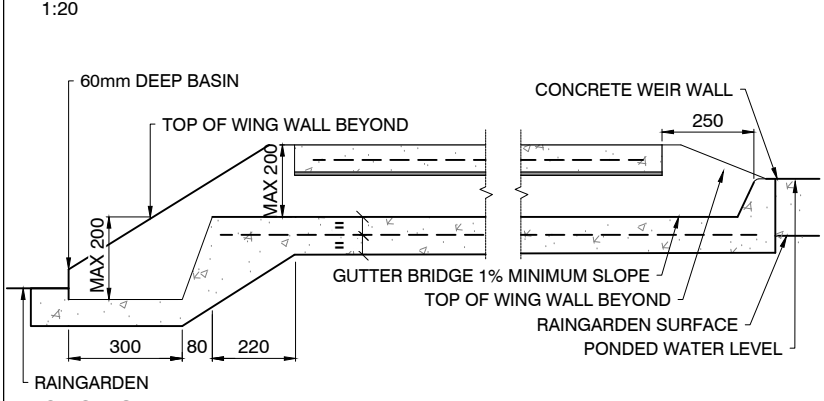
DRAINAGE

Rev	D
Date	*01.12.19*
Approved	P S

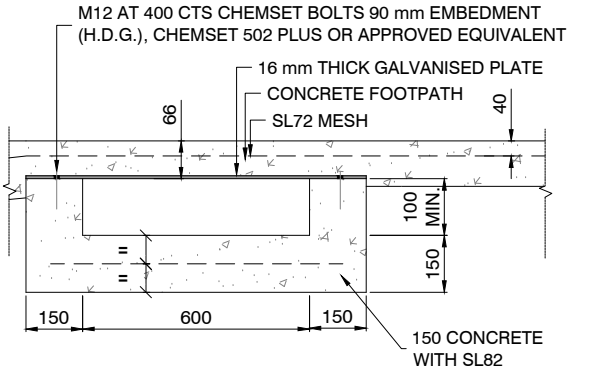
Dwg No. 7.2.7



PLAN
1:20

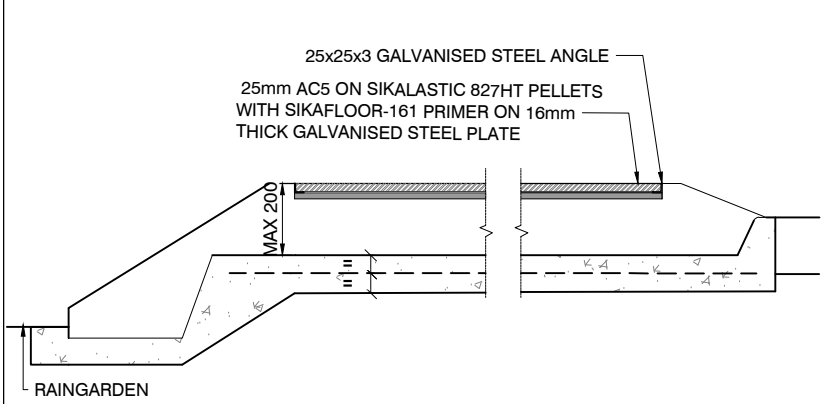


SECTION A-A
1:20

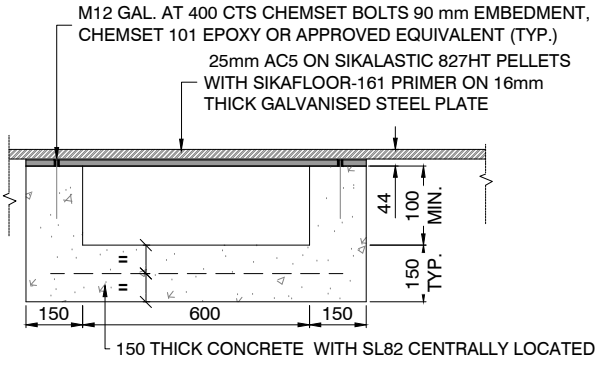


SECTION B-B
1:20

CONCRETE GUTTER BRIDGE



SECTION A-A
1:20



SECTION B-B
1:20

ASPHALT GUTTER BRIDGE

NOTES:

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

CITY OF SYDNEY

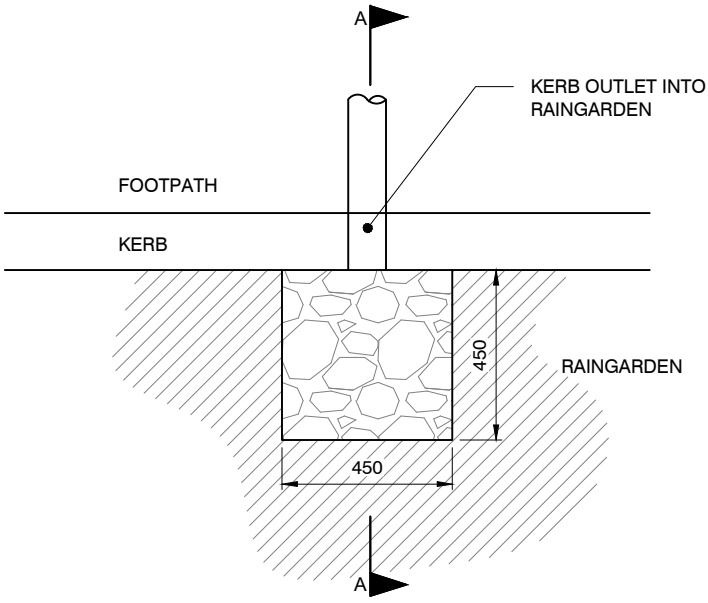
RAINGARDENS
GUTTER BRIDGE DETAILS

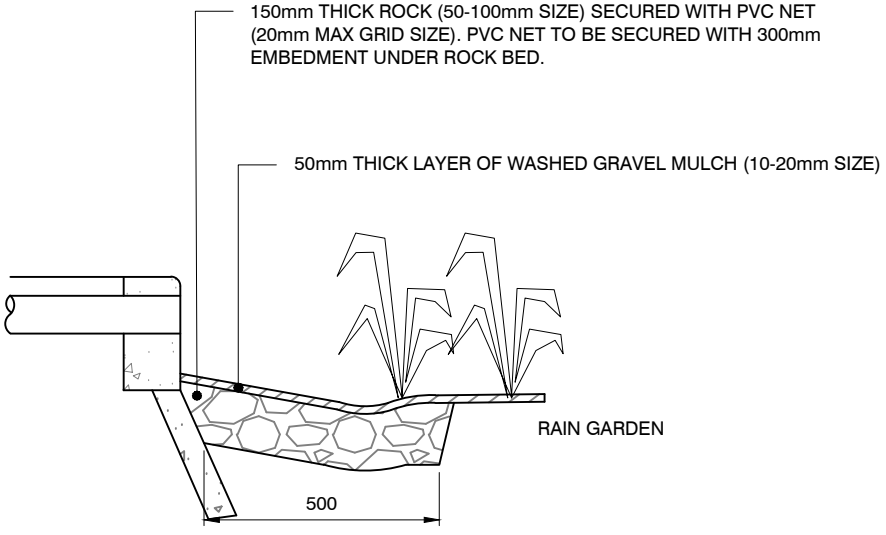
DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No.
7.2.8

SMALL DISSIPATION ROCKS





SECTION B-B

SCALE 1:20

NOTE: ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

RAINGARDENS
DISSIPATION ROCKS
SMALL KERB OUTLETS

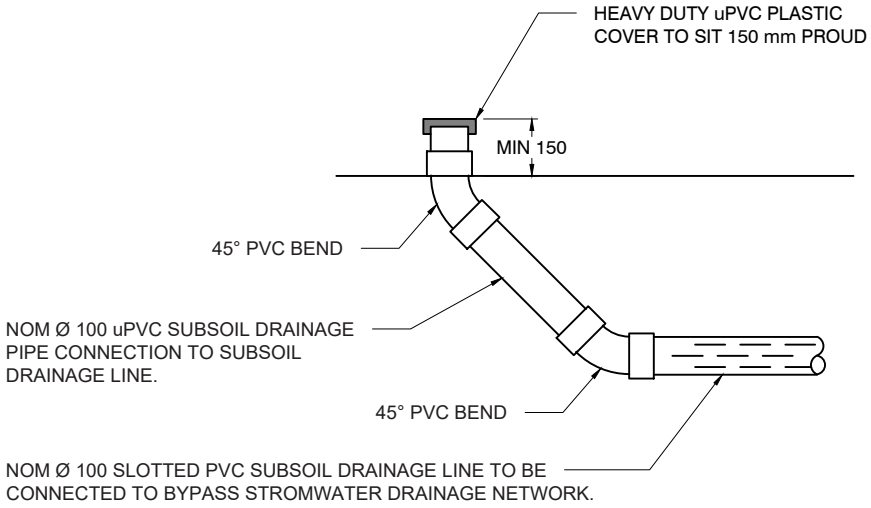
DRAINAGE

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 7.2.9

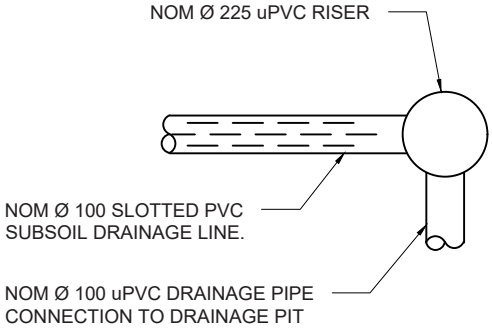
Ø 100 HIGH END RISER

SECTION

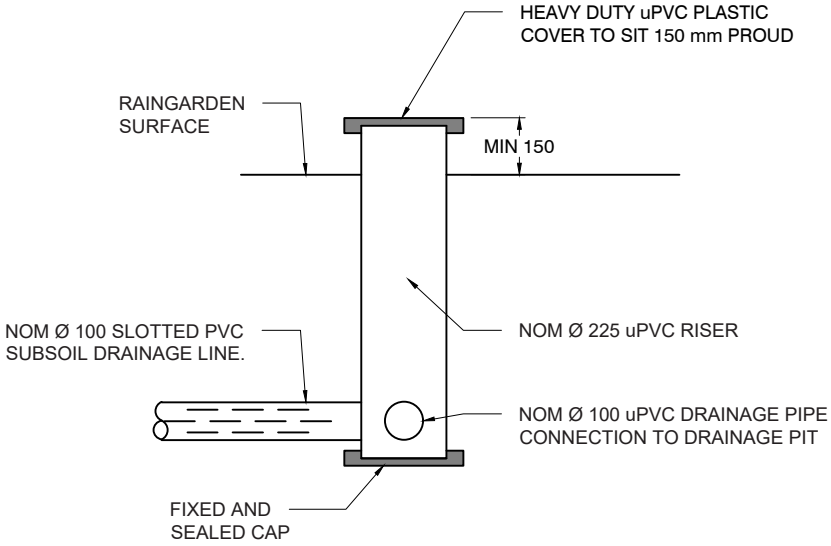


Ø 225 HIGH END RISER JUNCTION

PLAN



SECTION

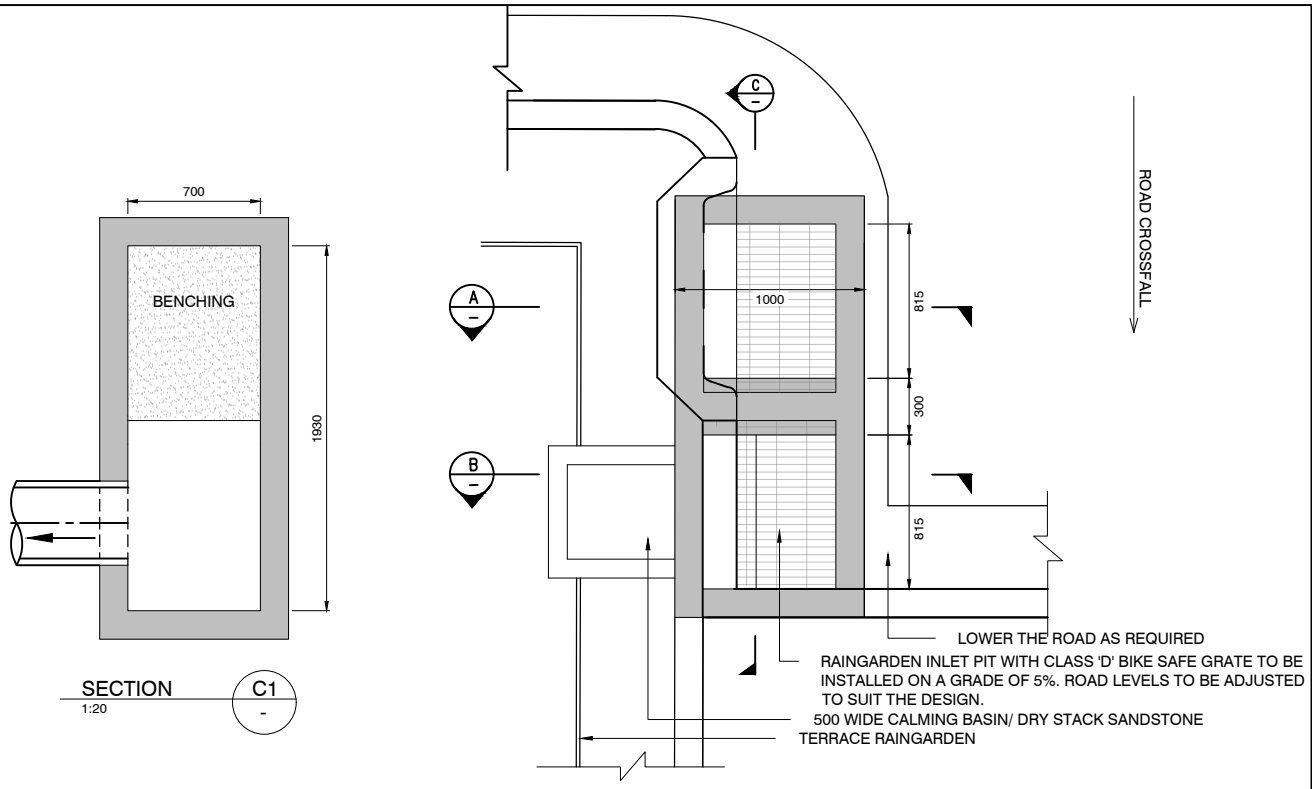


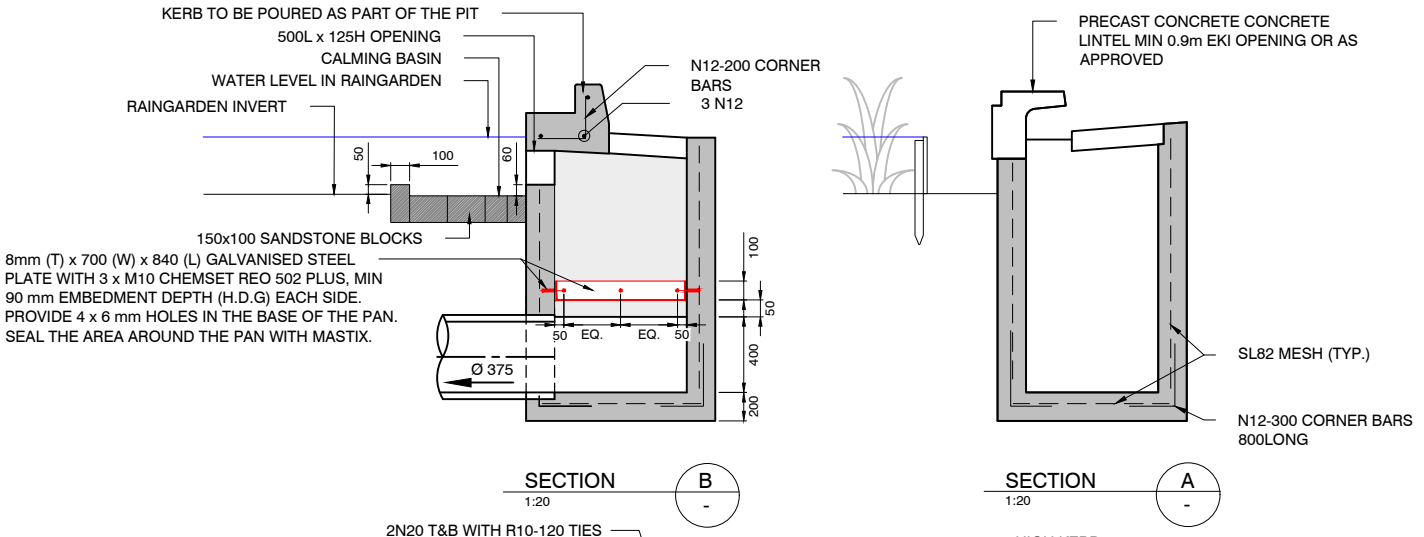
NOTES:

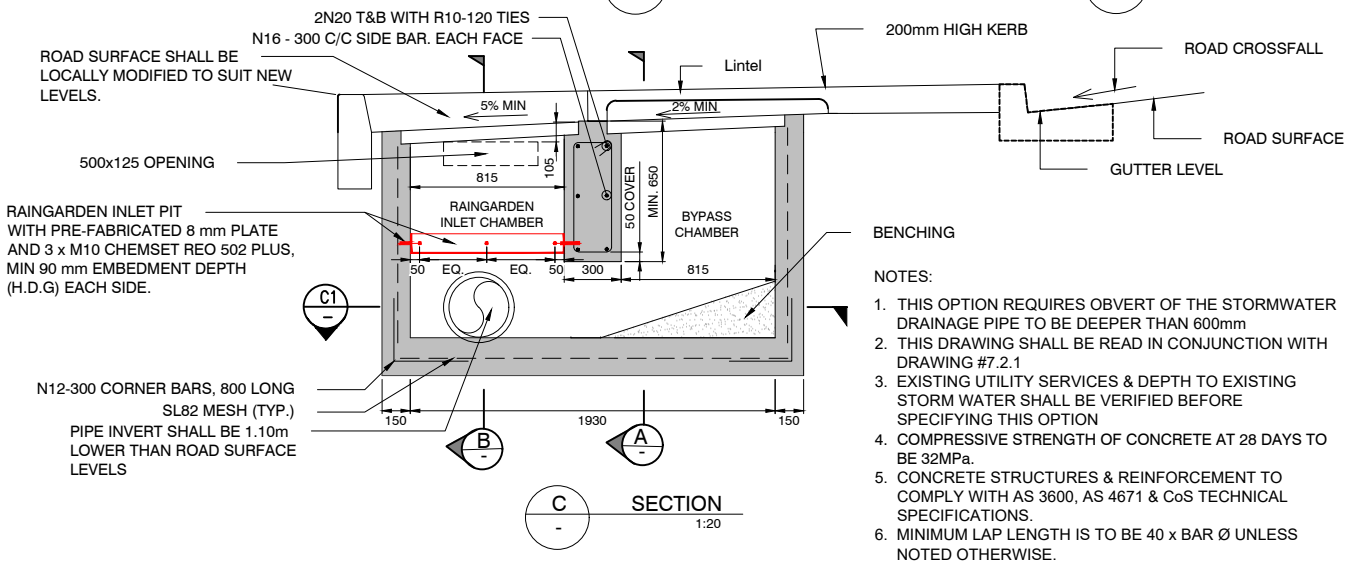
1. THE SUBSOIL DRAIN SHALL BE CONNECTED TO THE
   - BYPASS CHAMBER OF THE INLET PIT, OR;
   - BYPASS DRAINAGE PIT, OR;
   - RAINGARDEN SURCHARGE PIT.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.

SCALE 1:20

CITY OF SYDNEY	RAINGARDENS SUBSOIL DRAINS AND HIGH END RISER	DRAINAGE **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 7.2.10







NOTES:

1. THIS OPTION REQUIRES OBVERT OF THE STORMWATER DRAINAGE PIPE TO BE DEEPER THAN 600mm
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING #7.2.1
3. EXISTING UTILITY SERVICES & DEPTH TO EXISTING STORM WATER SHALL BE VERIFIED BEFORE SPECIFYING THIS OPTION
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. MINIMUM LAP LENGTH IS TO BE 40 x BAR Ø UNLESS NOTED OTHERWISE.
7. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

SCALE 1:40

CITY OF SYDNEY

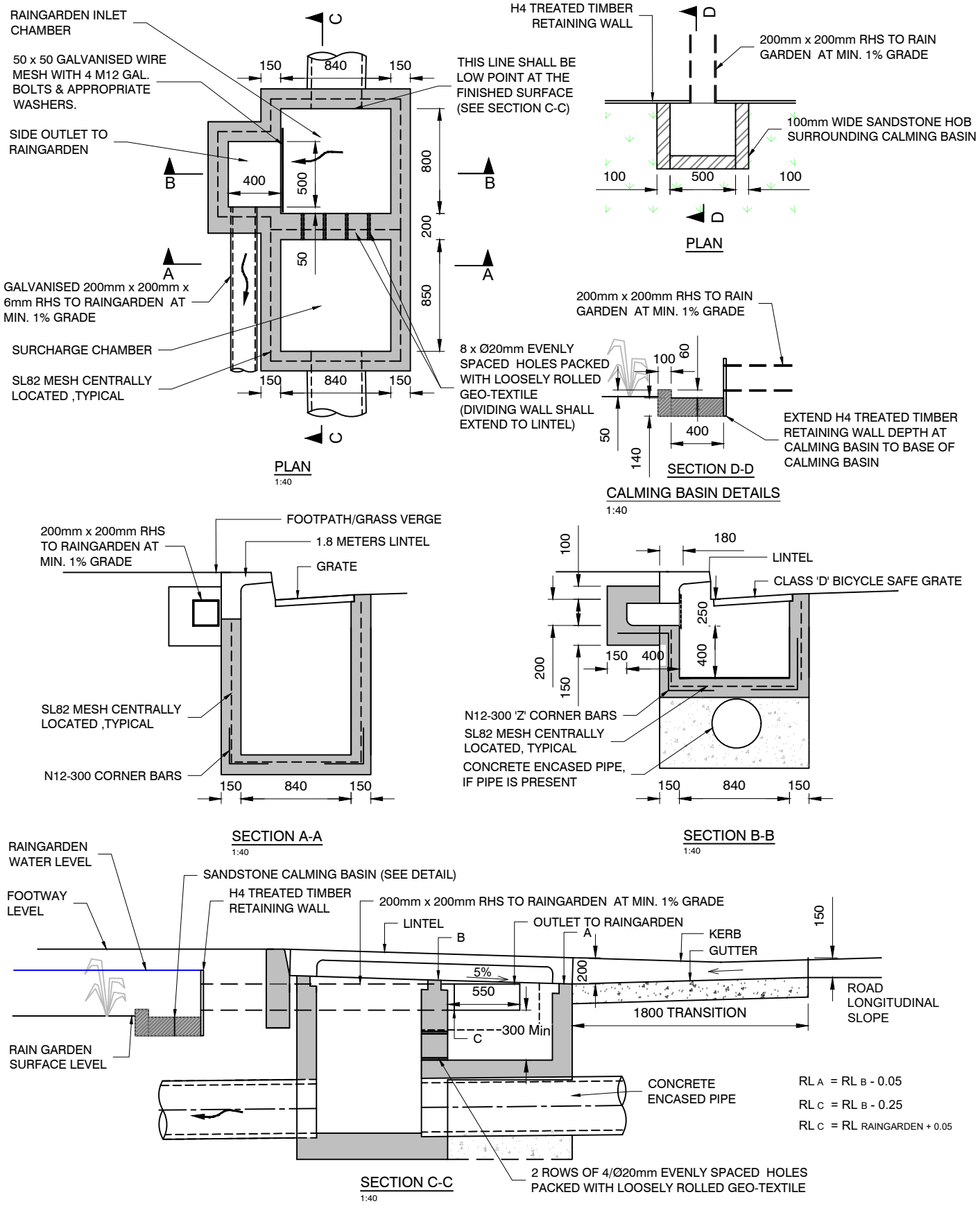
RAINGARDENS

RAINGARDEN INLET PIT WITH STEEL TRAY PIT PERPENDICULAR TO THE ROAD

DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.2.11



NOTES:

1. 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

CITY OF SYDNEY

RAINGARDENS

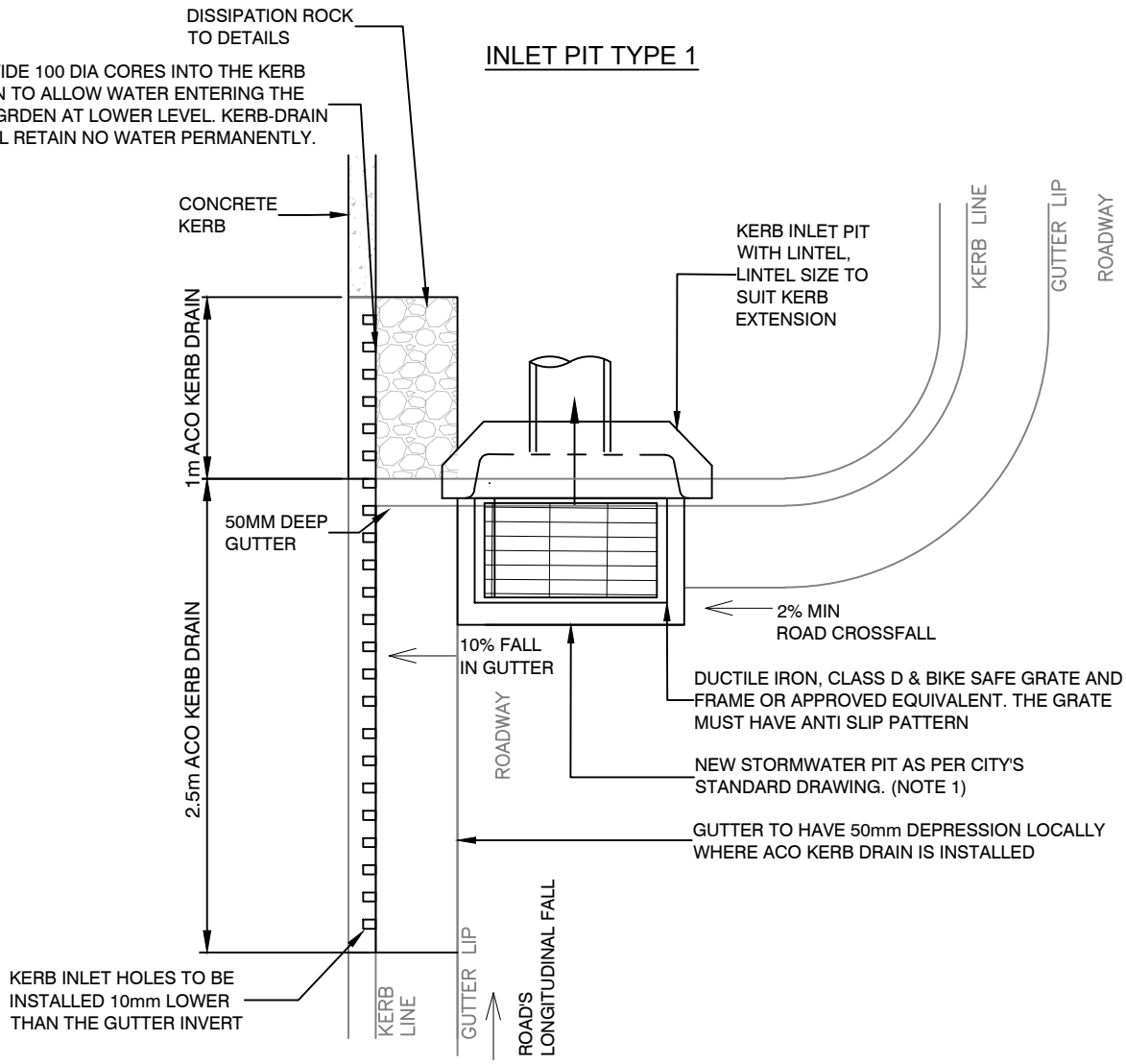
RAINGARDEN INLET PIT
PIT PARALLEL TO THE ROAD

DRAINAGE

Rev	E
Date	*16.11.22*
Approved	S A

Dwg No. 7.2.12

INLET PIT TYPE 1

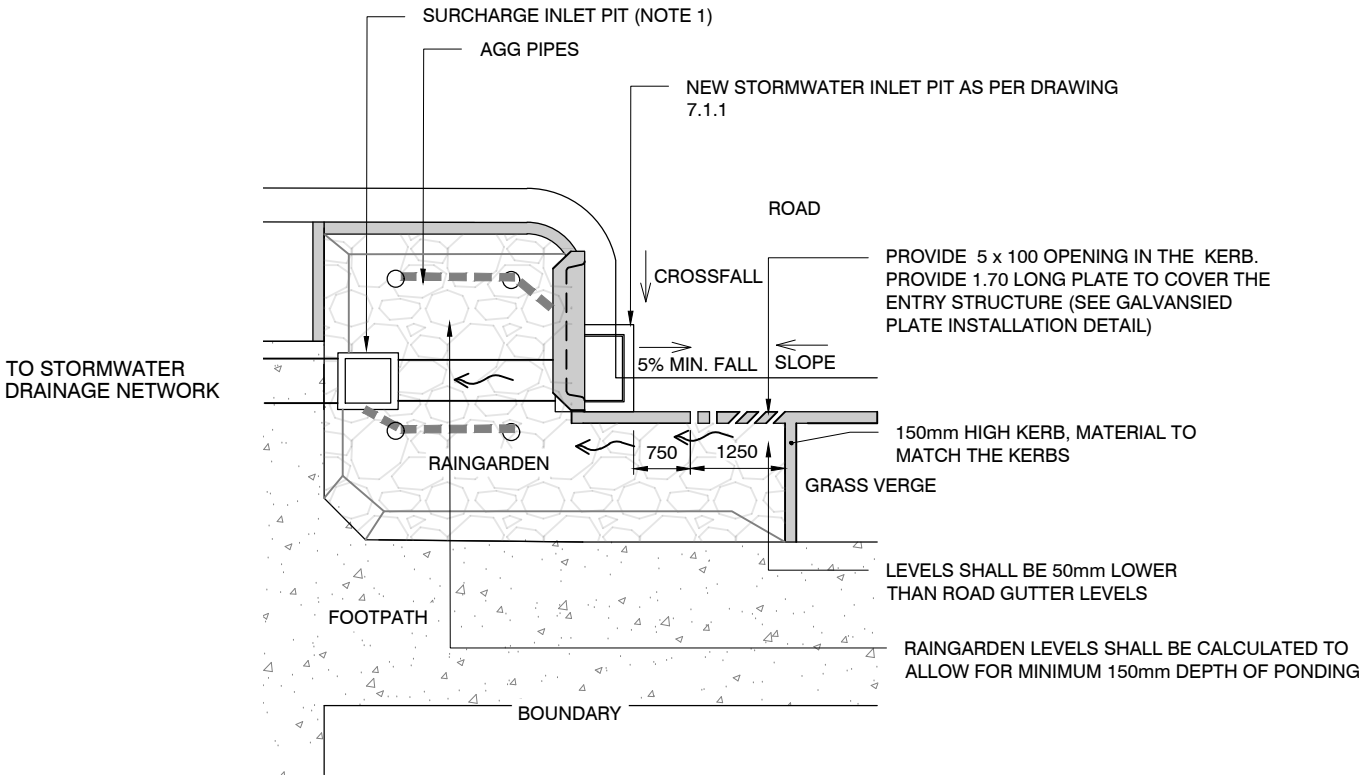


PLAN
1:40

NOTES:

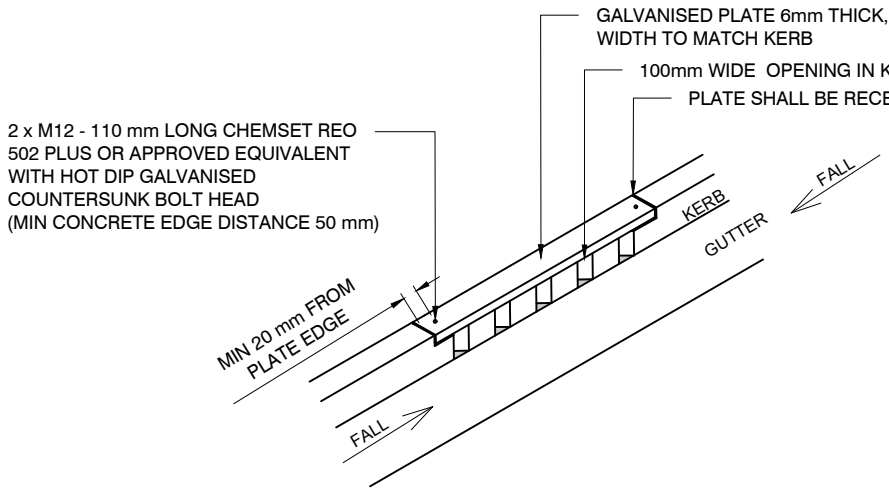
1. STORMWATER PIT SHALL BE CONSTRUCTED AS PER CITY'S STANDARD DRAWINGS. THE PIT SHALL BE CAREFULLY SELECTED TO SUIT SYDNEY STREET CODE & STANDARD SPEC. FROM DRAWINGS #7.1.1 TO 7.1.6.
2. THE ACO KERB DRAIN OR APPROVED EQUIVALENT SHALL BE USED FOR RANGARDEN ENTRY PIT.
3. THIS DETAIL IS WELL SUITED FOR 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.

CITY OF SYDNEY	RAINGARDENS RAINGARDEN WITH KERBDRAIN & STANDARD DRAINAGE PIT AS BYPASS	DRAINAGE **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 7.2.13



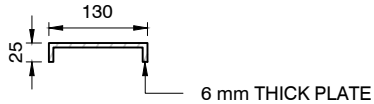
PLAN

1:100



GALVANISED PLATE INSTALLATION DETAIL

1:50



GALVANISED PLATE DETAIL

1:10

NOTES:

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.
3. 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.
4. 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

CITY OF SYDNEY

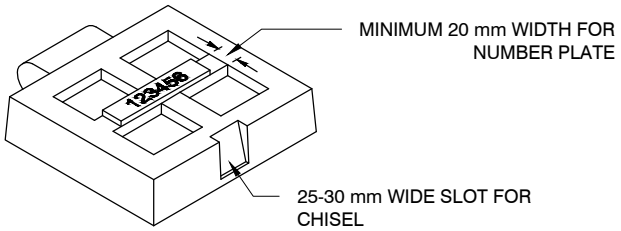
RAINGARDENS
SETOUT PLAN
WITH DIRECT SIDE INLET

DRAINAGE

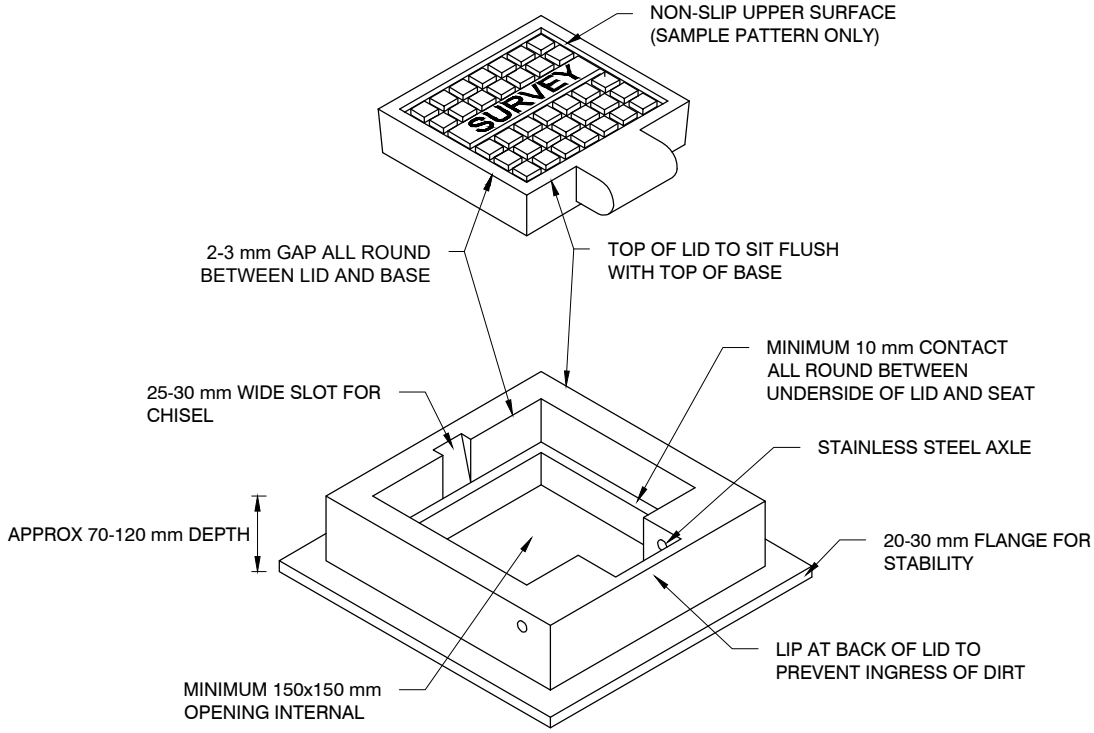
Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 7.2.14

LID (UNDERSIDE)



LID (TOPSIDE)

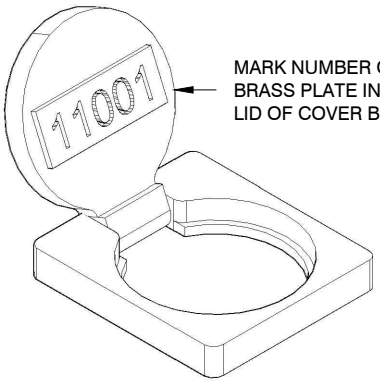


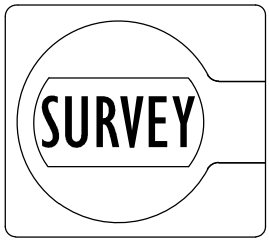
FRAME

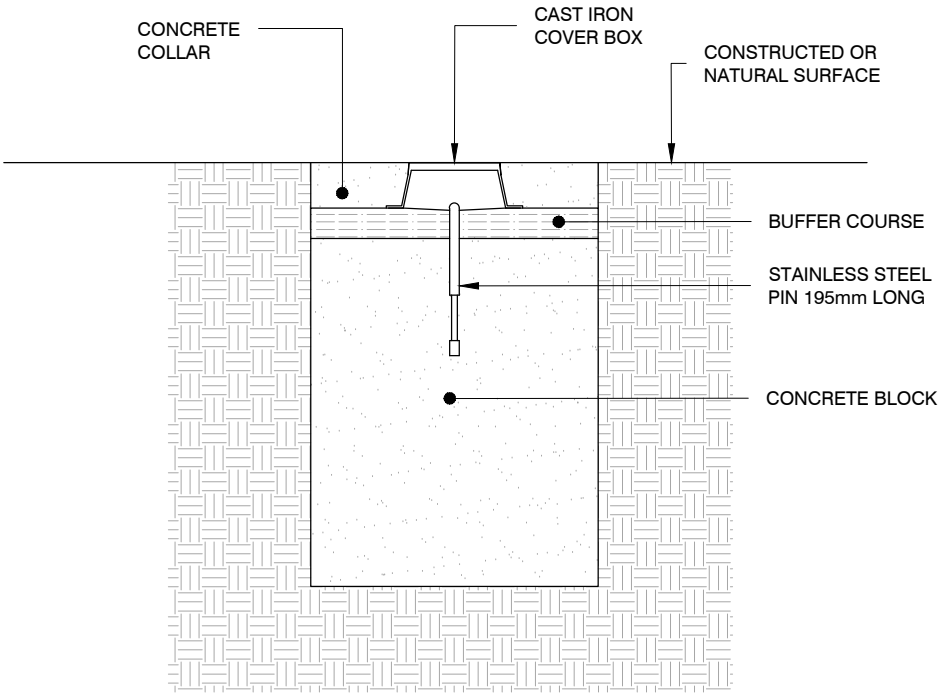
SECTION 1:10

ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY	PERMANENT SURVEY MARKS SURVEY MARKS IN CARRIAGEWAY	SURVEY MARKS **Rev** D **Date** *01.12.19* **Approved** P S Dwg No. 8.1.1





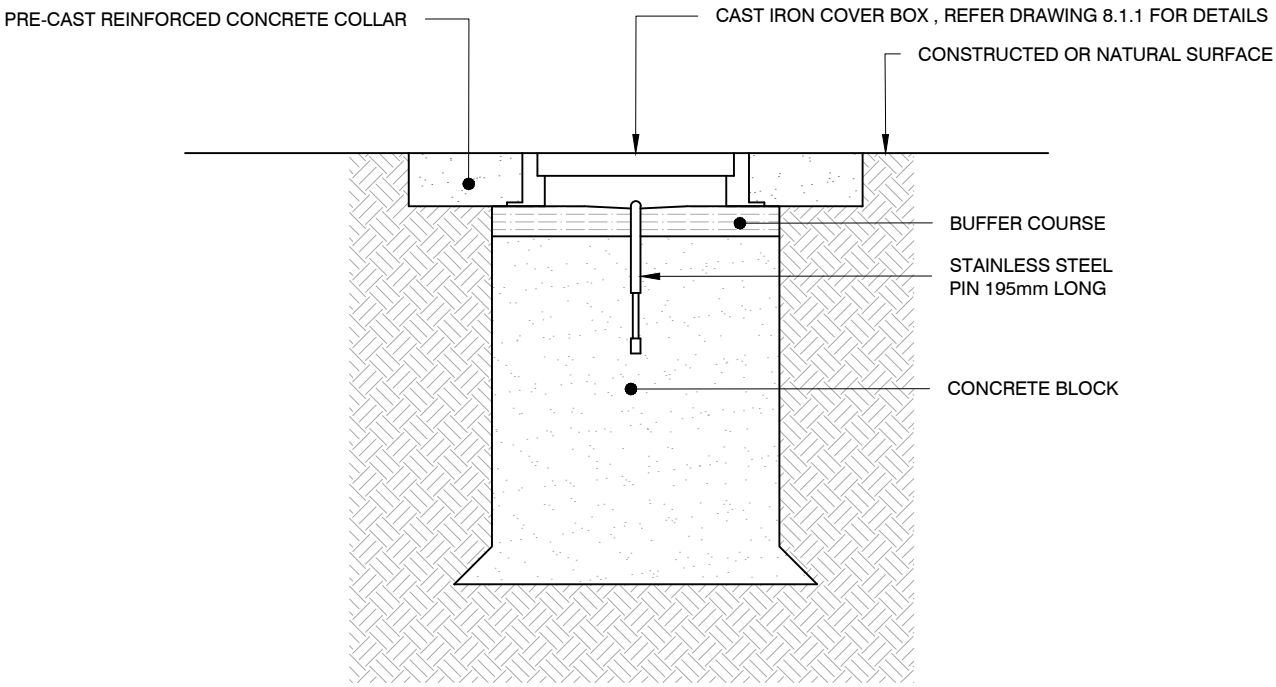


SECTION 1:10

NOTES:

1. 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

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



SECTION 1:10

NOTES:

1. 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

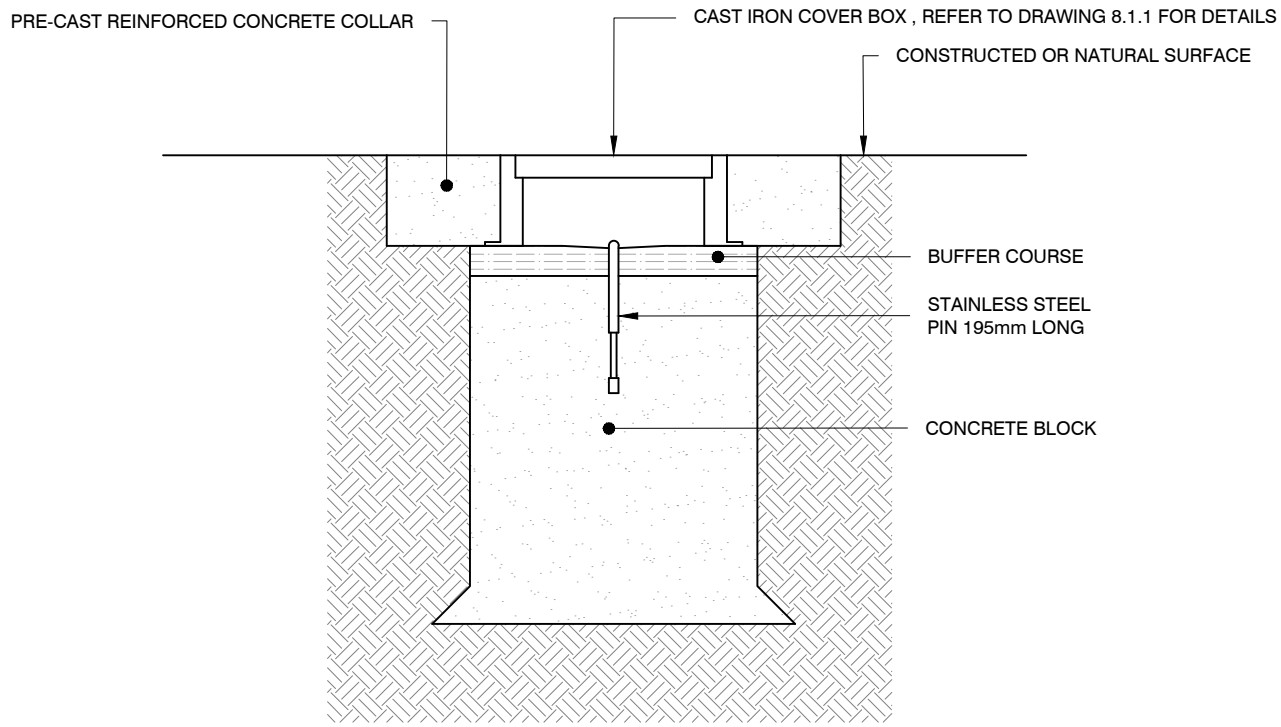
CITY OF SYDNEY

PERMANENT SURVEY MARKS
70mm COVER BOX IN CARRIAGEWAY

SURVEY MARKS

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 8.1.3



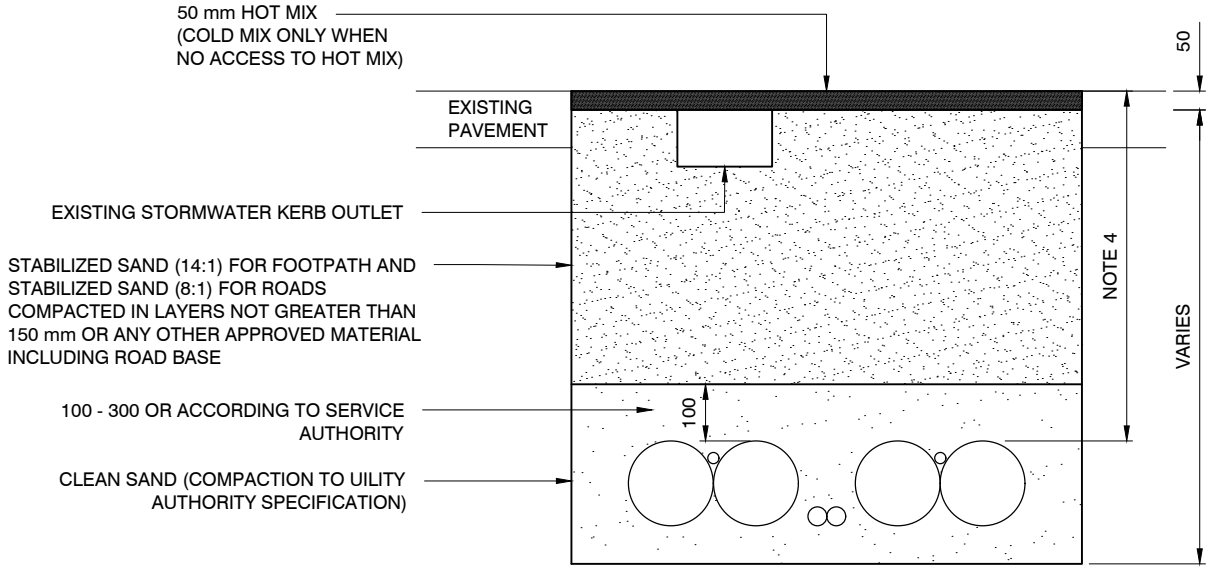
SECTION 1:10

NOTES:

1. 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

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

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

CITY OF SYDNEY

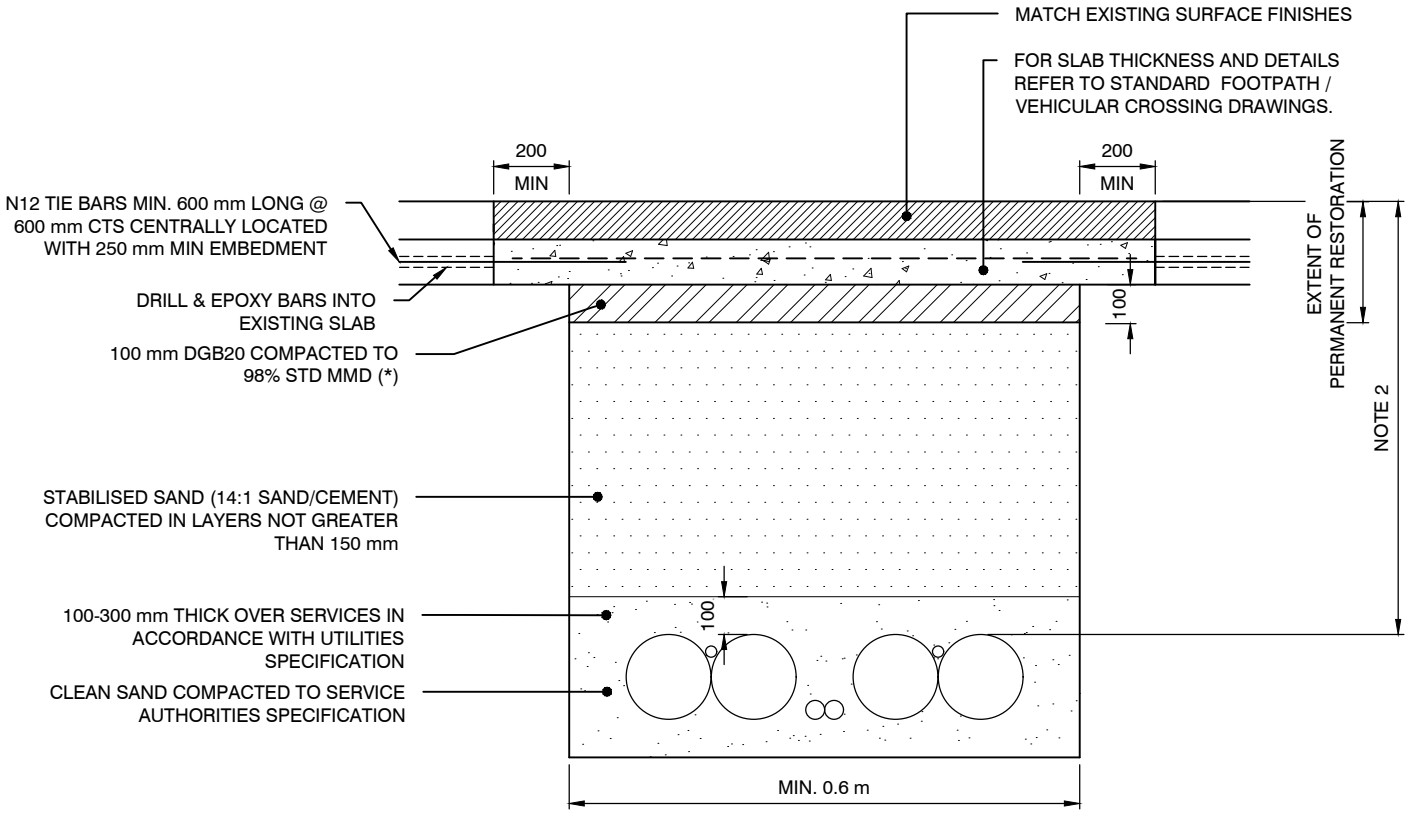
PAVEMENT RESTORATION

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

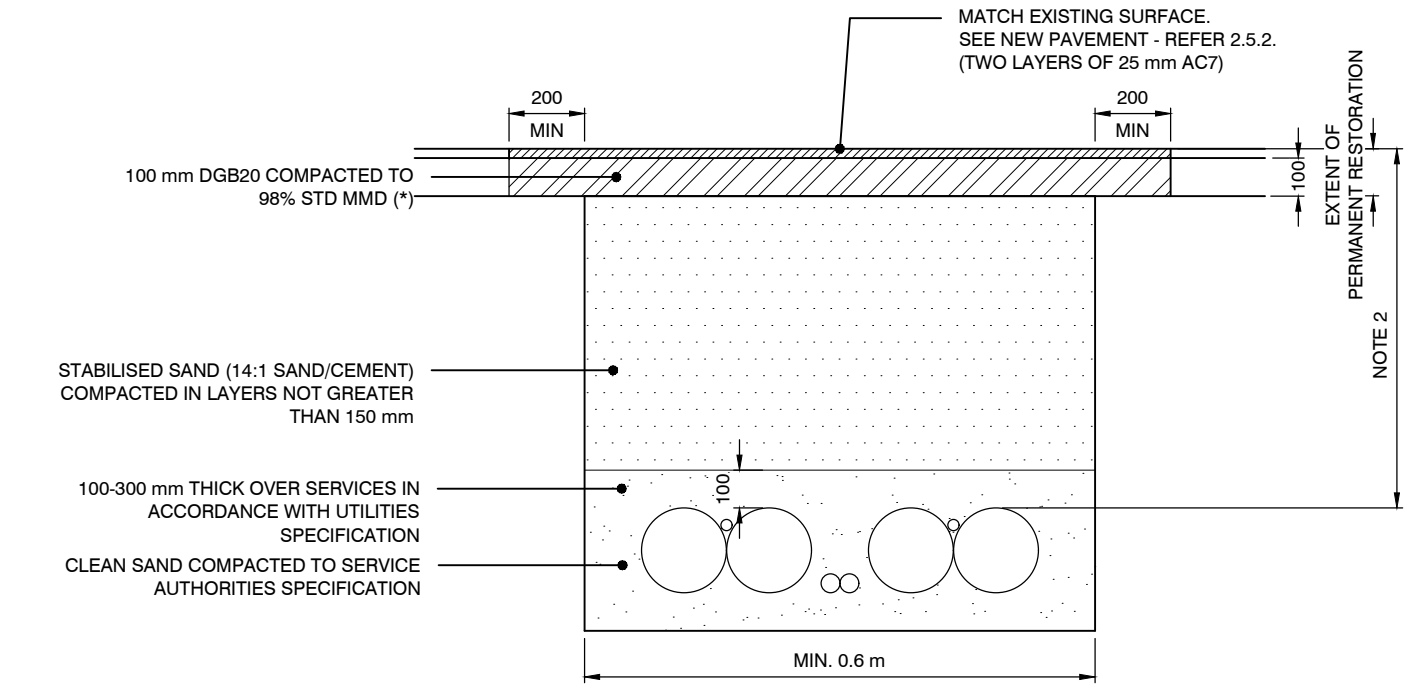
PAVEMENT RESTORATION

Rev	D	Dwg No.
Date	*01.12.19*	9.1.1
Approved	P S	

FOOTPATH - PERMANENT RESTORATION FOR CONCRETE FOOTPATH



FOOTPATH - PERMANENT RESTORATION FOR FLEXIBLE ASPHALT FOOTPATH



SECTION 1:20

NOTES:

*1. AREAS LESS THAN 10 m^2 - 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

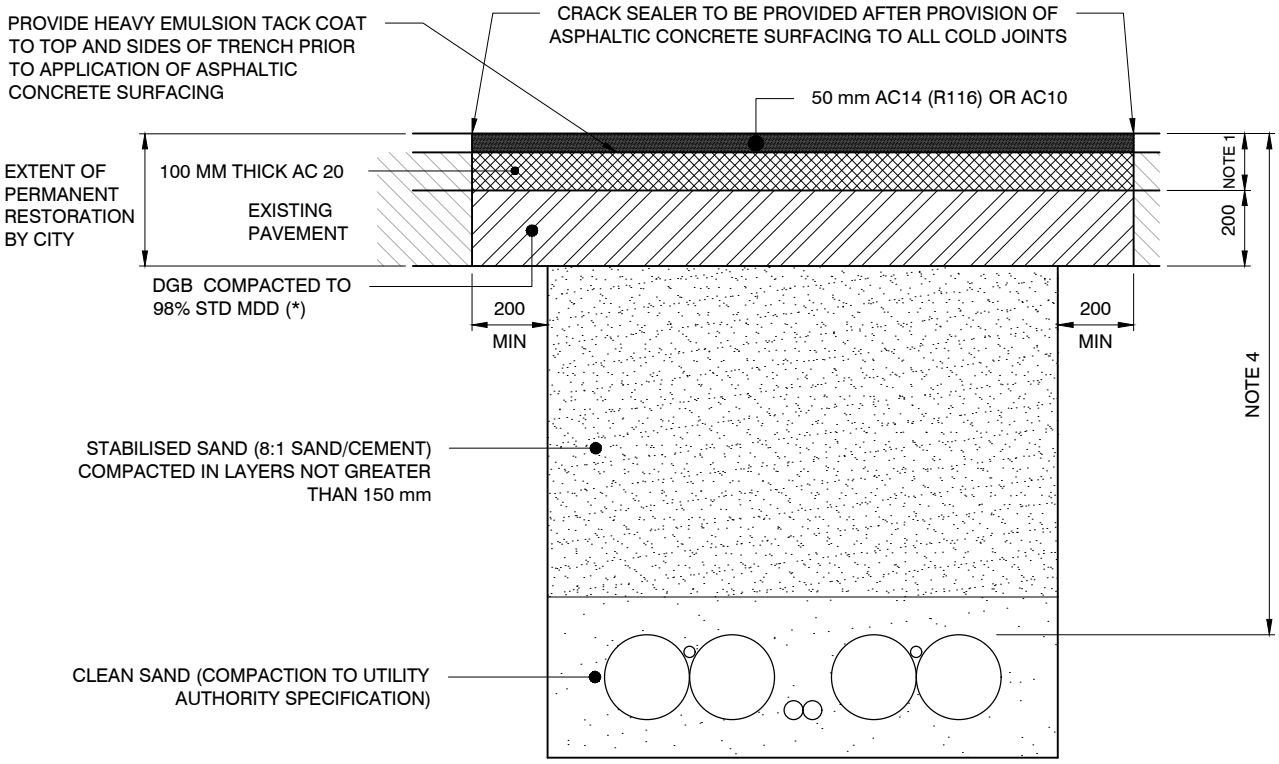
FOOTPATH PAVEMENT RESTORATION

TYPICAL PERMANENT FOOTWAY TRENCH RESTORATION

PAVEMENT RESTORATION

Rev	E	Dwg No.
Date	*16.11.22*	9.1.2
Approved	S A	

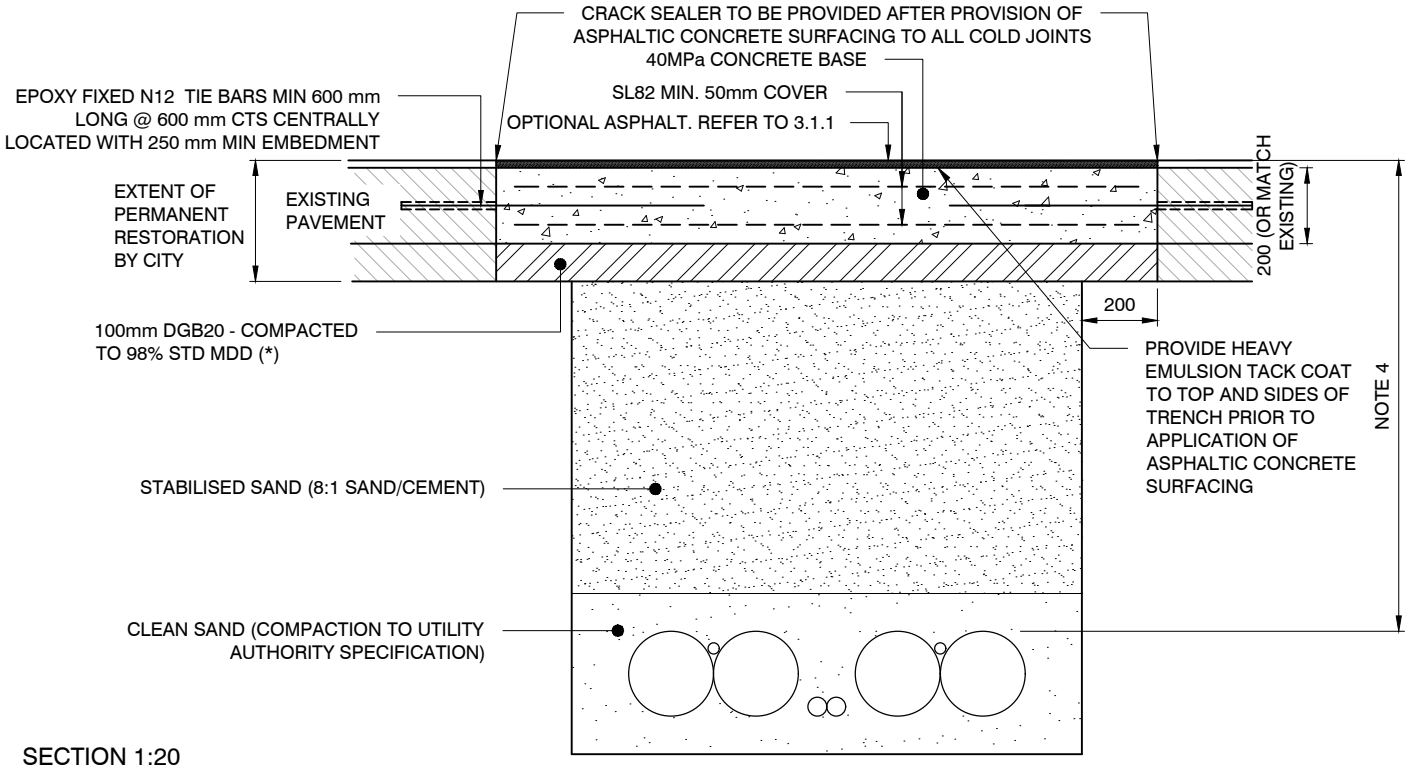
ROAD PAVEMENT - PERMANENT RESTORATION FOR ASPHALT ROAD



NOTE:

1. FOR AREAS LESS THAN 10 m^2, USE AC14 150 mm IN TWO LAYERS.

ROAD PAVEMENT - PERMANENT RESTORATION FOR CONCRETE ROAD



SECTION 1:20

NOTES:

*1. AREA LESS THAN 10 m^2 - 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
2. RESTORATION WORKS TO MATCH EXISTING LEVELS OR MINIMUM DIMENSIONS SPECIFIED.
3. FOR NEW SERVICES MINIMUM 1200 mm CLEARANCE FROM INVERT OF GUTTER.
4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED

CITY OF SYDNEY

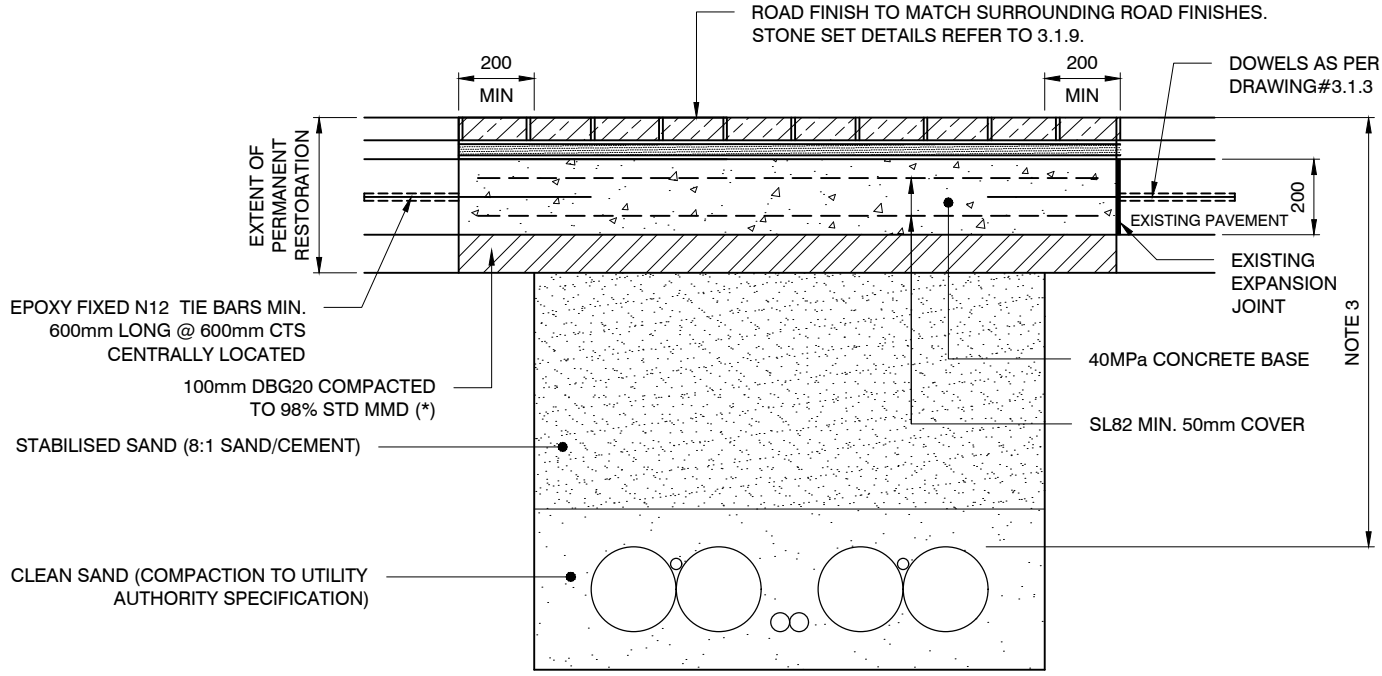
ROAD PAVEMENT RESTORATION

TYPICAL PERMANENT ROAD TRENCH RESTORATION - ASPHALT & CONCRETE

PAVEMENT RESTORATION

Rev	D	Dwg No.
Date	*01.12.19*	9.1.3
Approved	P S	

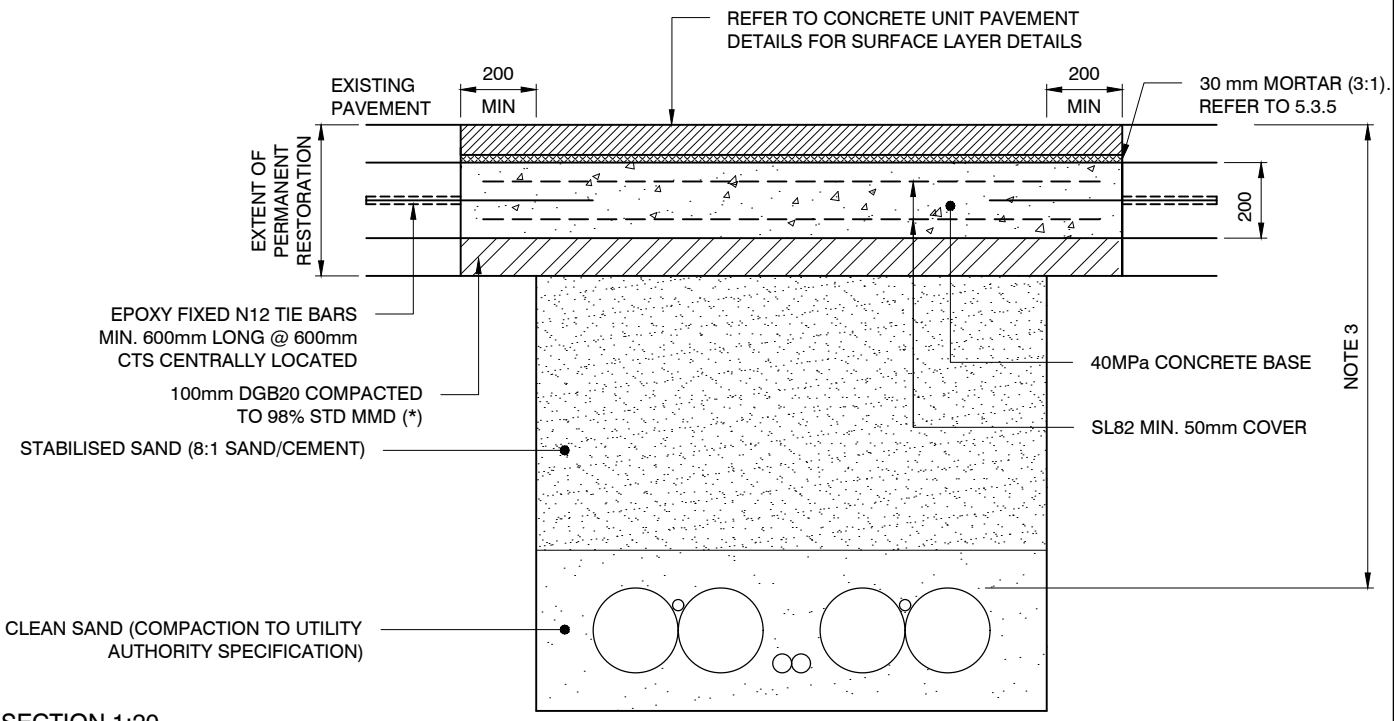
STONE SET ROAD PAVEMENT



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



SECTION 1:20

NOTES:

*1. AREAS LESS THAN 10 m^2 - 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

CITY OF SYDNEY

ROAD PAVEMENTS

TYPICAL PERMANENT TRENCH RESTORATION - PAVED

PAVEMENT RESTORATION

Rev	D
Date	*01.12.19*
Approved	P S

Dwg No. 9.1.4