

May 2024

STANDARD DRAWINGS



STANDARD DRAWING INDEX

Dwg No.	Contents
SD1-1	Standard Drawings Conditions Of Use
	Section 1 – Kerbs
SD1-2 SD1-3 SD1-4 SD1-5	Kerb Profiles (SM2, SM3, WSM2, WSM3, M2, Invert Channel) Kerb Profiles (WB2, B1, MWB2, SM1, M4, M1) Kerb Profiles Concrete Spiked Kerbs Typical Treatment For Invert Channel Across Threshold
	Section 2 – Paths
SD2-1 SD2-3 SD2-4 SD2-5 SD2-5A SD2-6	Footpath Against Title Boundary Shared Path (All Locations). Concrete Path And Pavement Joint Details Typical Concrete Footpath Treatments At Service Authority Pits Typical Concrete Footpath Construction Details At Sewer & Drainage Pits Electrical Pit In Footpath
	Section 3 - Pram Crossings
SD3-1	Pram Crossing Details
	Section 4 - Property Access
SD4-1 SD4-3 SD4-5 SD4-6	Single Residential Vehicle Crossing Footpath Against Title Boundary Double Residential Vehicle Crossing Footpath Against Title Boundary Heavy Duty Vehicle Crossing Footpath Against Title Boundary. Rural Vehicle Crossing
	Section 5 - Drainage Pits
SD5-1 SD5-3 SD5-4 SD5-7 SD5-8	Grated Pit - Depressed Steel Grate For Medians And Table Drains Raised Pit Grill For Pits Opening – 750 x 750 Floodways Shallow Inlet Catch Pit For Open Drain For Pipes Up To 450mm Diameter Step Iron Details Storm Water Junction Pit For Pipes Up To 525mm Diameter And 3600mm Maximum
SD5-9	Depth Storm Water Junction Pit For Pipes 600mm Diameter And Greater, With 3600mm Maximum Depth



SD5-10 SD5-13(i) SD5-14(i) SD5-16	Notes For Storm Water Junction Pits Grated Kerb Catch Pit For SM2, WSM2, And M2 Kerb Types With Junction Pit Grated Kerb Catch Pit For WB2 Kerb Type With Junction Pit Junction Pit Covers Insert & Frame
	Section 6 - Drainage Incidentals
SD6-2 SD6-3 SD6-10 SD6-10A SD6-11 SD6-14	Property Connection To Underground Drain Easement Property Inlet Connection Sewer Trench Backfilling Specification For Drains In Close Proximity (See Table) – Excluding Under Pavements. Culvert Trench Backfilling Specifications Anchor Block Details For Pipes Up To 600mm Diameter Driveable Culvert Endwall (Pipe Culverts Up To 600mm Ø and Box Culverts Up To 600mm Ø Wide)
	Section 7 - Subsurface Drainage
SD7-1A SD7-2	Subsurface Drain Back Of Kerb Subsurface Drainage
	Section 8 - Street Cross Sections
SD8-1 SD8-1B	Road & Street Cross Section Typical Service Locations Road & Street Cross Section Typical Service Locations (Loop Road Abutting Arterial/Main Road)
	Section 9 - Off Street Parking
SD9-1	On-Street Car Parking
	Section 10 - Bollards
SD10-1 SD10-2	Collapsible Bollard Detail Fixed Bollard Detail
	Section 11 - Miscellaneous
SD11-1 SD11-2 SD11-5A SD11-5B SD11-6 SD11-8 SD11-10	Typical Road Sign Locations And Street Name Plate Detail Guide Post Detail Noise Absorbing High Wind Treated Pine Fence Standard Detail For All Council Shared Fencing Concrete Parking Bay Details Service Conduit Markings Permanent Survey Mark High Stability



name: M.\Engineering Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD1-1.dwg (28 May.

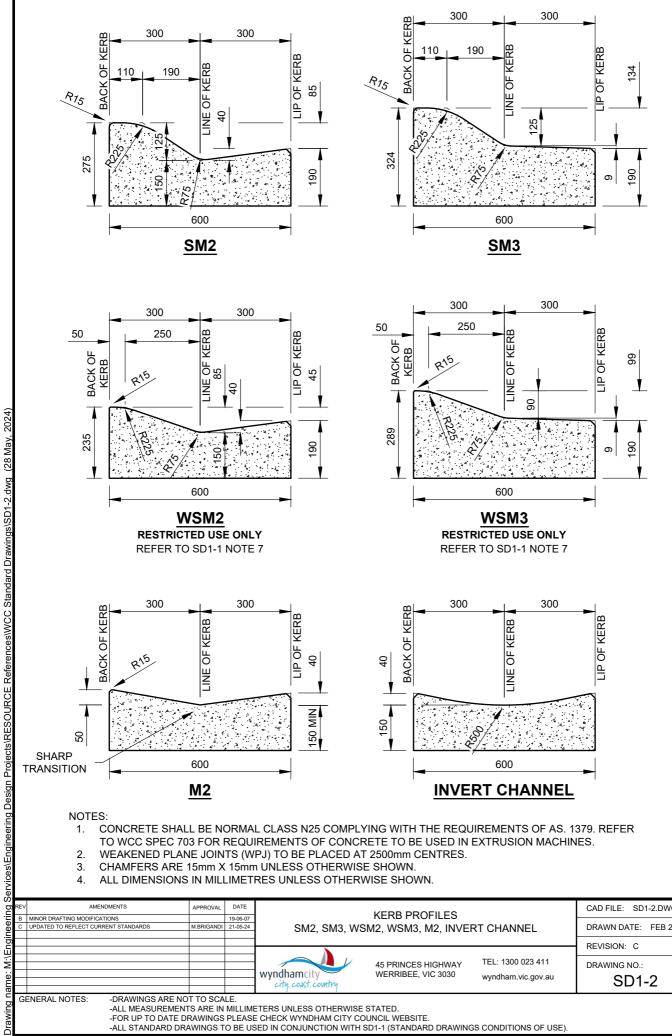
STANDARD DRAWINGS CONDITIONS OF USE

- 1. FOR THE PURPOSES OF USING THE STANDARD DRAWING WITHIN THE WYNDHAM MUNICIPALITY FOR CONSTRUCTION WORKS, SD1-1 FORMS PART OF EACH AND ALL INDIVIDUAL STANDARD DRAWINGS.
- 2. THE STANDARD DRAWINGS ARE DERIVED FROM, AND SHALL BE READ IN CONJUNCTION WITH, WYNDHAM CITY COUNCIL'S GENERAL SPECIFICATION FOR ROADWORKS AND DRAINAGE.
- THE GENERAL SPECIFICATION SHALL TAKE PRECEDENCE OVER THE STANDARD DRAWINGS.
- 4. THE INTENTION OF THE STANDARD DRAWINGS IS TO MAINTAIN A UNIFORM AND CONSISTENT APPROACH FOR BOTH DESIGN AND CONSTRUCTION ASPECTS FOR COMMON OR FREQUENT SITUATIONS.
- 5. THE STANDARD DRAWINGS MAY NOT BE SUITABLE FOR ALL CONSTRUCTION SITUATIONS AND A VARIATION OF A PARTICULAR STANDARD DRAWING, OR AN ABOVE-STANDARD DESIGN, MAY NEED TO BE ADOPTED. APPROVAL IS REQUIRED BY COUNCIL.
- 6. THE USE OF ANY VARIATION OF THE STANDARD DRAWINGS MUST HAVE THE EXPLICIT APPROVAL FROM COUNCIL.
- STANDARD DRAWINGS MARKED 'RESTRICTED USE ONLY' SHALL NOT BE USED UNLESS EXPLICIT APPROVAL HAS BEEN GRANTED BY COUNCIL.
- 8. ALL SUPPLIERS OF SPECIFIED GRATES AND PRECAST PITS MUST HAVE WYNDHAM CITY COUNCIL'S APPROVAL TO SUPPLY TO ANY WORKS WITHIN THE WYNDHAM MUNICIPALITY. ALL SUPPLIED GRATES, COVERS, SURROUNDS AND PRECAST PITS MUST BE WYNDHAM CITY COUNCIL APPROVED MODELS.
- ALL GRATES MUST BE BIKE SAFE, STEEL GRATES ARE TO BE HOT DIP GALVANISED AND COMPLY WITH AS 3996 ACCESS COVERS AND GRATES.
- 10. ANY REFERENCE TO AUSTRALIAN STANDARDS, GUIDELINES, SPECIFICATIONS, TECHNICAL PUBLICATIONS/SUPPLEMENTS ARE TO BE IN ACCORDANCE WITH THE LATEST VERSION OF THE REFERENCE DOCUMENT.

2	REV	AMENDMENTS	APPROVAL	DATE	STANDARD DRAW	CAD FILE: SD1-1.DWG			
2	_	MINOR AMENDMENTS UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	19-06-07 21-05-24	CONDITIONS OF	DRAWN DATE: FEB 2024			
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					wyndhamcity WERRIBEE, VIC 30		DRAWING NO.: SD1-1		
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GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.

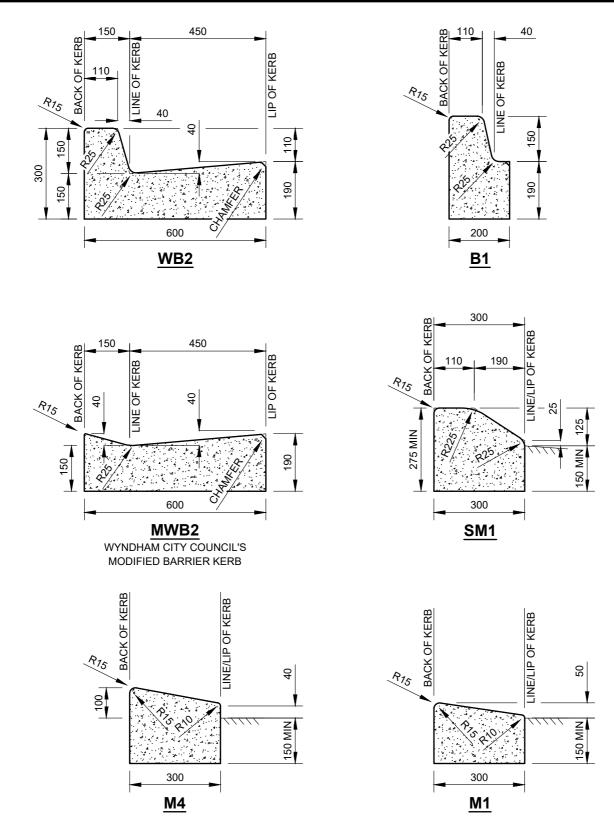


- TO WCC SPEC 703 FOR REQUIREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHINES.
- WEAKENED PLANE JOINTS (WPJ) TO BE PLACED AT 2500mm CENTRES. 2.
- 3. CHAMFERS ARE 15mm X 15mm UNLESS OTHERWISE SHOWN
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN. 4.

Di Di	REV	AMENDMENTS	APPROVAL	DATE	KERB PROFILES	CAD FILE: SD1-2.DWG
ineering	С	MINOR DRAFTING MODIFICATIONS UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	19-06-07 21-05-24	SM2, SM3, WSM2, WSM3, M2, INVERT CHANNEL	DRAWN DATE: FEB 2024
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ame: M:\I					wyndhamcity WERRIBEE, VIC 3030 Wyndham.vic.gov.au	DRAWING NO.: SD1-2
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GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE

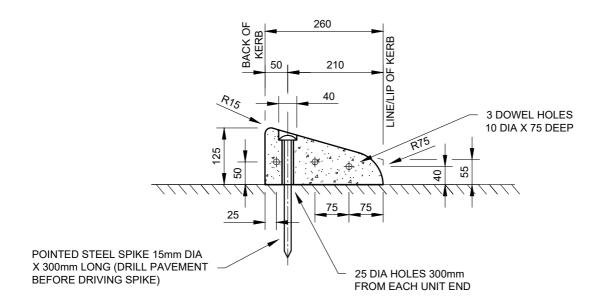
- -DAWINGS ARE NOT TO SCALE.
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- -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).



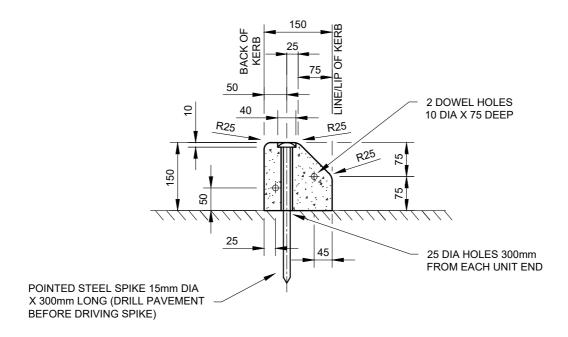
- CONCRETE SHALL BE NORMAL CLASS N25 COMPLYING WITH THE REQUIREMENTS OF AS. 1379. REFER TO WCC SPEC 703 FOR REQUIREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHINES.
- WEAKENED PLANE JOINTS (WPJ) TO BE PLACED AT 2500mm CENTRES. 2.
- CHAMFERS ARE 15mm X 15mm UNLESS OTHERWISE SHOWN. 3.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

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	AL CLASS N25 COMPLYING WITH THE REQUIREMENTS OF AS. 1 IREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHII (PJ) TO BE PLACED AT 2500mm CENTRES. IN UNLESS OTHERWISE SHOWN. RES UNLESS OTHERWISE SHOWN.	
REV AMENOMENTS APPROVAL DATE B MINOR DRAFTING MODIFICATIONS 19-06-07 C UPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI 21-05-24	KERB PROFILES WB2, B1, MWB2, SM1, M4, M1	DRAWN DATE: FEB 2024
ame: M:\Eng	wyndhamcity 45 PRINCES HIGHWAY TEL: 1300 023 411 Werribee, VIC 3030 wyndham.vic.gov.au	REVISION: C DRAWING NO.: SD1-3
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SPIKED SEMI MOUNTABLE KERB (PRE-CAST)

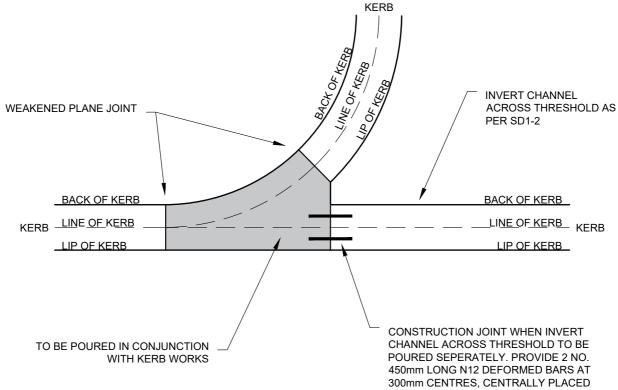


SPIKED BARRIER KERB (PRE-CAST)

- SPIKES TO BE HOT DIPPED GALVANISED. 1
- CONCRETE SHALL BE NORMAL CLASS N25 COMPLYING WITH THE REQUIREMENTS OF AS 1379. REFER TO WCC SPEC 703 FOR REQUIREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHINES.
- PRE-CAST UNITS SHALL HAVE WEIGHT IMPRINTS FOR OH&S MANUAL HANDLING PURPOSES. THE 3. LIFTING SHALL BE 25mm MIN.
- PRE-CAST UNITS ARE TO HAVE LIFTING HOLES AS PER THE REQUIREMENTS OF AS 3996. 4
- POINTED STEEL SPIKE 15mm DIA x 300mm LONG (DRILL PAVEMENT BEFORE DRIVING SPIKE). 5.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN. 6.
- SPIKED KERBS TO BE CONCRETE UNLESS OTHERWISE APPROVED BY COUNCIL.

ng	REV	AMENDMENTS	APPROVAL	DATE	KERB PROFILES	CAD FILE: SD1-4.DWG
. <u>⊏</u>	В	MINOR DRAFTING MODIFICATIONS		19-06-07		
ĕ	С	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	CONCRETE SPIKED KERBS	DRAWN DATE: FEB 2024
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ame: M:\					wyndhamcity werkibee, vic 3030 wyndham.vic.gov.au	DRAWING NO.: SD1-4
Drawing n	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALEALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATEDFOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITEALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).					

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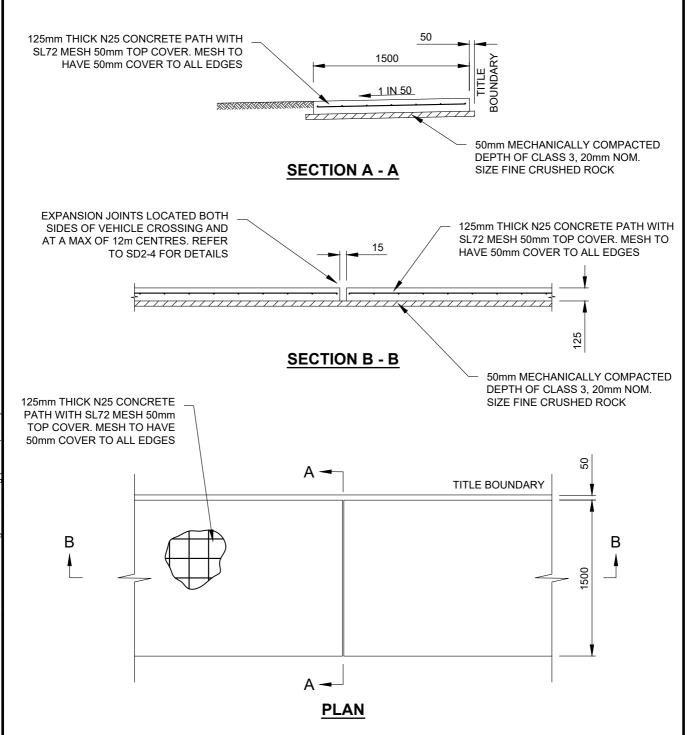


TYPICAL TREATMENT FOR INVERT **CHANNEL ACROSS THRESHOLD**

- CONCRETE SHALL BE NORMAL CLASS N25 COMPLYING WITH THE REQUIREMENTS OF AS. 1379. REFER TO WCC SPEC 703 FOR REQUIREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHINES.
- WEAKENED PLANE JOINTS (WPJ) TO BE PLACED AT 2500mm CENTRES.
- 3. CHAMFERS ARE 15mm X 15mm UNLESS OTHERWISE SHOWN.
- 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.
- 5. A WEAKENED PLANE JOINT SHALL BE PLACED AT THE END OF EACH CONCRETE POUR.

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KERB LINE OF K			LIP OF KERE				
	O IN CONJUNCTION		CONSTRUCTION JOINT WHEN INV CHANNEL ACROSS THRESHOLD POURED SEPERATELY. PROVIDE 450mm LONG N12 DEFORMED BA 300mm CENTRES, CENTRALLY PL	TO BE 2 NO. RS AT			
URCE References/\	TYPICAL TREATMENT FOR INVERT CHANNEL ACROSS THRESHOLD						
TO WCC SI 2. WEAKENEI 3. CHAMFERS 4. ALL DIMEN	NOTES: 1. CONCRETE SHALL BE NORMAL CLASS N25 COMPLYING WITH THE REQUIREMENTS OF AS. 1379. REFER TO WCC SPEC 703 FOR REQUIREMENTS OF CONCRETE TO BE USED IN EXTRUSION MACHINES. 2. WEAKENED PLANE JOINTS (WPJ) TO BE PLACED AT 2500mm CENTRES. 3. CHAMFERS ARE 15mm X 15mm UNLESS OTHERWISE SHOWN. 4. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN. 5. A WEAKENED PLANE JOINT SHALL BE PLACED AT THE END OF EACH CONCRETE POUR.						
	APPROVAL DATE 17-07-07	TYPICAL TREATMEI	NT FOR INVERT	FILE: SD1-5.DWG			
B MINOR DRAFTING MODIFICATIONS C UPDATED TO REFLECT CURRENT STANDARDS C UPDATED TO REFLECT CURRENT STANDARDS C UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI 21-05-24	CHANNEL ACROS	O THINEOHOLD	WN DATE: FEB 2024			
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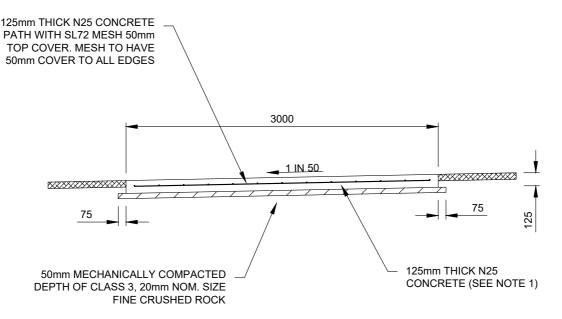
-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.



- TIE BARS TO BE INSTALLED AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150mm FROM EDGE.
- WEAKENED PLANE JOINTS LOCATED AT SPACING EQUAL TO THE WIDTH OF THE PATH AND MADE WITH A 'T' IRON OR CONCRETE SAW CUT.
- CONCRETE TO BE LIGHT BROOM FINISHED WITH EDGE AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIAL.
- THE USE OF COLOURED CONCRETE MUST BE APPROVED BY COUNCIL. MINIMUM STRENGTH OF COLOURED CONCRETE TO BE 32 MPa.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

rengineering S	REV	AMENDMENTS	APPROVAL	DATE		CAD FILE: SD2-1.DWG
<u>.</u>	В	EDITED NOTES 1-3. MINOR DRAFTING MODIFICATIONS		19-06-07	FOOTPATH AGAINST TITLE BOUNDARY	
ŭΙ	С	ADDED NOTE 5		01-09-09	1 00 11 7(11) 107 (11) 11 12 2 2 0 0 1127 (11)	DRAWN DATE: FEB 2024
בו⊒	D	EDITED GRADING & MESH		05-04-13		
9	Е	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24		REVISION: F
ūΙ.	F	MINOR DRAFTING MODIFICATIONS	M.BRIGANDI	10-12-24		INEVISION. 1
ame: M:					wyndhamcity werribee, VIC 3030 Werribee, VIC 3030 Wyndham.vic.gov.au	DRAWING NO.: SD2-1
	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALEALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.					

-FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.



SHARED PATH

2500mm MINIMUM WIDTH IN **CONSTRAINED LOCATIONS**

NOTES:

- 1. CONCRETE STRENGTH IS 25 MPa AT 28 DAYS.
- TIE BARS TO BE INSTALLED AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150mm FROM EDGE.
- COUNCIL'S PRAM CROSSING DETAIL TO BE USED AT ROADWAYS (REFER TO SD3-1).
- SHARED PATH TO HAVE 30mm DEEP SAWCUT JOINTS AT 3m CENTRES (NO TOOLED JOINTS) AND EXPANSION JOINTS AT 12m MAXIMUM CENTRES AND ONE BAY EITHER SIDE OF VEHICLE CROSSINGS.
- CONCRETE TO BE LIGHT BROOM FINISHED WITH EDGE AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIAL.
- 7. ANY EXPOSED AGGREGATE SURFACE FINISH IS TO BE ACHIEVED BY SANDBLASTING AFTER AT LEAST 48 HOURS CURING TIME.
- 8. N12mm DIAMETER DEFORMED BARS AT 300mm CENTRES TO JOIN OLD CONCRETE TO NEW WHEN REINSTATING BROKEN FOOTPATH OR AS DIRECTED BY COUNCIL OFFICER.
- THE USE OF COLOURED CONCRETE MUST BE APPROVED BY COUNCIL. MINIMUM STRENGTH OF COLOURED CONCRETE TO BE 32 MPa.
- 10. SHARED PATHS TO BE 2500mm IN WIDTH MINIMUM. REFER TO APPROVED CONSTRUCTION PLAN FOR ACTUAL WIDTH.
- 11. WHERE SHARED PATH IS ALSO USED AS A MAINTENANCE ACCESS TRACK, REFER TO SD4-5 FOR CONCRETE, REINFORCEMENT AND BEDDING SPECIFICATIONS.
- 12. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

= 1	REV	AMENDMENTS	APPROVAL	DATE		SHARED PATH		CAD FILE: SD2-3.DWG
		EDITED NOTES 1-3. MINOR DRAFTING MODIFICATIONS ADDED NOTE 9		19-06-07 01-09-09		(ALL LOCATIONS)		
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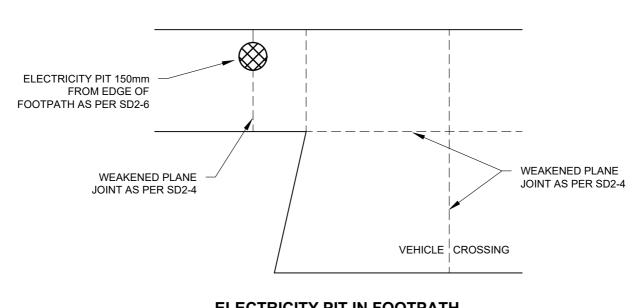
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250mm LENGTH 16mm DIA CLASS

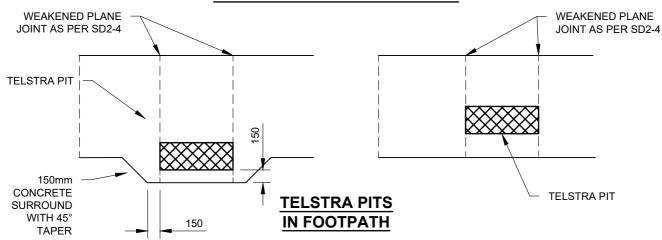
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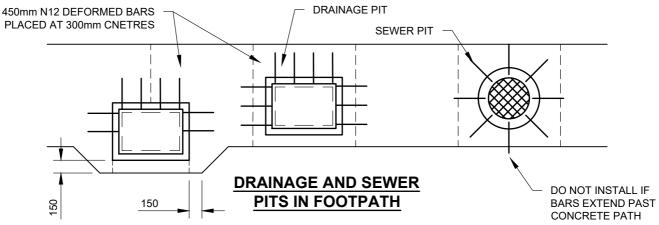
- TIE BARS TO BE INSTALLED AT 400 MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150 FROM EDGE.
- DOWEL BARS TO BE INSTALLED AT 400 MAXIMUM CENTRES COMMENCING AT A MINIMUM OF 100 AND A MAXIMUM OF 200 FROM THE EDGE OF PATH. 16 DIAMETER PVC SLEEVE WITH END CAP OR CLOSED END TO BE FITTED TO ONE END OF THE BAR. DOWEL BARS TO BE SECURELY TIED TO LONGITUDINAL REINFORCING MESH.
- EXPANSION JOINTS LOCATED BOTH SIDES OF VEHICLE CROSSING AND AT A MAXIMUM OF 12000 CENTRES. 3
- WEAKENED PLANE JOINTS LOCATED AT SPACING EQUAL TO THE WIDTH OF THE PATH AND MADE WITH A 'T' IRON OR CONCRETE SAW CUT.
- IN SHARED PATHS WEAKENED PLANE JOINTS MUST BE MADE BY CONCRETE SAW CUTTING.
- COUNCIL APPROVED PREFABRICATED EXPANSION JOINT AND/OR JOINING SYSTEMS WITH 450 N12 DEFORMED BARS PLACED AT CENTRAL DEPTH AND AT 400 CENTRES.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

awings\SD2-4.dwg (28 May, 2024)	450mm N12 DEFORMED BARS - PLACED AT CENTRAL DEPTH AND AT 400mm CENTRES	1		
References\WCC Standard Dr	CONSTRUCTION JOINT	EXPANSION JOINT	WEAKENED I JOINTS CONCRETE SAWG 'T' IRON AS PER I	CUT OR
Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD2-4.dwg	 DOWEL BARS TO BE INSTALLED AT 200 FROM THE EDGE OF PATH. 16 OF THE BAR. DOWEL BARS TO BE 3. EXPANSION JOINTS LOCATED BOT 4. WEAKENED PLANE JOINTS LOCATE CONCRETE SAW CUT. IN SHARED PATHS WEAKENED PLANE DECEMBER 1. 		A MINIMUM OF 100 AN LOSED END TO BE FI CING MESH. AXIMUM OF 12000 CE E PATH AND MADE W AW CUTTING.	ID A MAXIMUM OF ITTED TO ONE END :NTRES. /ITH A 'T' IRON OR
E REV	EDITED LEADER & NOTES, MINOR DRAFTING MODIFICATIONS 19-	CONCRETE PATH AN		CAD FILE: SD2-4.DWG
i d	REMOVE BITUMEN REQUIREMENT IN EXPANSION JOINT 05	09-09 04-13 05-24	AILS	DRAWN DATE: FEB 2024 REVISION: E
ame: M:\Eng		wyndhamcity 45 PRINCES HIGHWAY WERRIBEE, VIC 3030	TEL: 1300 023 411 wyndham.vic.gov.au	DRAWING NO.: SD2-4
Drawing na	-FOR UP TO DATE DRAWINGS PL	LLIMETERS UNLESS OTHERWISE STATED. EASE CHECK WYNDHAM CITY COUNCIL WEBSITE. BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWIN	GS CONDITIONS OF USE).	



ELECTRICITY PIT IN FOOTPATH

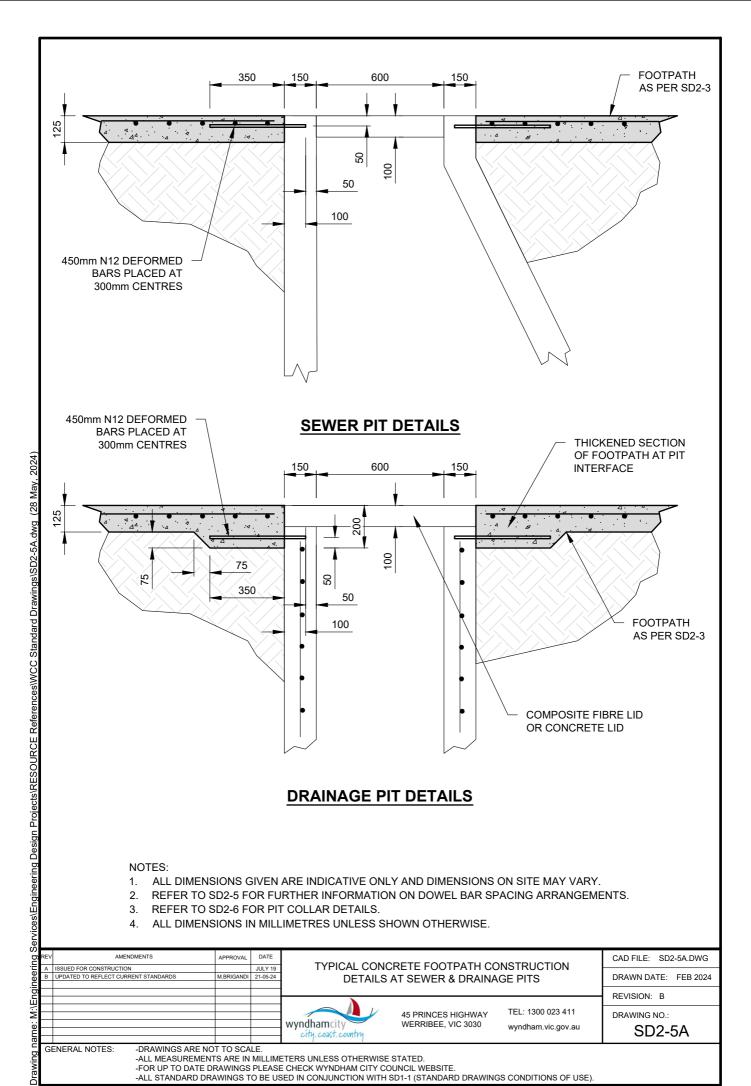




- WEAKENED PLANE JOINT SPACING TO BE AT PATH WIDTH. 1
- 2. MINIMUM SPACING BETWEEN WEAKENED PLANE JOINTS IS 500mm.
- 3. REFER TO SD2-5A & SD2-6 FOR PIT COLLAR DETAILS.
- 4. FOR CONSTRUCTION DETAILS ON DRAINAGE AND SEWER PITS, REFER TO SD2-5A
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

Drawings\SD2-5.dwg (28 May, 2024)	150mm CONCRETE SURROUND WITH 45° TAPER TELSTRA PITS IN FOOTPATH	TELSTRA PIT
C Standar	450mm N12 DEFORMED BARS PLACED AT 300mm CNETRES DRAINAGE PIT SEWER PIT	
Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD2-5.dwg	DRAINAGE AND SEWER PITS IN FOOTPATH NOTES: 1. WEAKENED PLANE JOINT SPACING TO BE AT PATH WIDTH. 2. MINIMUM SPACING BETWEEN WEAKENED PLANE JOINTS IS 500mm. 3. REFER TO SD2-5A & SD2-6 FOR PIT COLLAR DETAILS. 4. FOR CONSTRUCTION DETAILS ON DRAINAGE AND SEWER PITS, REFER TO SD 5. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.	DO NOT INSTALL IF BARS EXTEND PAST CONCRETE PATH
ering B	AMENDMENTS APPROVAL DATE	CAD FILE: SD2-5.DWG DRAWN DATE: FEB 2024
ngine	D UPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI 21-05-24	REVISION: D
ame: M:\E	wyndhamcity WERRIBEE, VIC 3030 TEL: 1300 023 411 wyndham.vic.gov.au	DRAWING NO.: SD2-5
Drawing name: M:\	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE. -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE. -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF US	E).

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DRAINAGE PIT DETAILS

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FOOTPATH

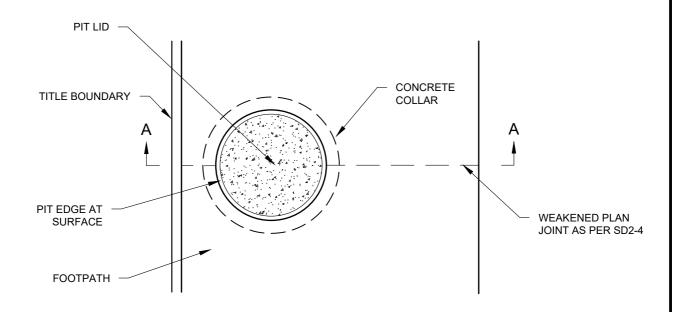
COMPOSITE FIBRE LID OR CONCRETE LID

AS PER SD2-3

- 1. ALL DIMENSIONS GIVEN ARE INDICATIVE ONLY AND DIMENSIONS ON SITE MAY VARY.
- REFER TO SD2-5 FOR FURTHER INFORMATION ON DOWEL BAR SPACING ARRANGEMENTS.
- REFER TO SD2-6 FOR PIT COLLAR DETAILS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.

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ģ	REV	AMENDMENTS	APPROVAL	DATE	TYPICAL CONCRETE FOOTPATH CONSTRUCTION	CAD FILE: SD2-5A.DWG	
eer	Α	ISSUED FOR CONSTRUCTION		JULY 19	TYPICAL CONCRETE FOOTPATH CONSTRUCTION		
ŏ١	В	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	DETAILS AT SEWER & DRAINAGE PITS	DRAWN DATE: FEB 2024	
ngin							
ij						REVISION: B	
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~:					45 DRINGES HICHMAN TEL: 1300 023 411		
≥					45 PRINCES HIGHWAY TEL: 1300 023 411	DRAWING NO.:	
<u>.:</u>					wyndhamcity WERRIBEE, VIC 3030 wyndham.vic.gov.au	00054	
ame:					city, coact, country	l SD2-5A l	
ā					0119.00031.00011119		
Drawing n	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE. -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE. -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).						

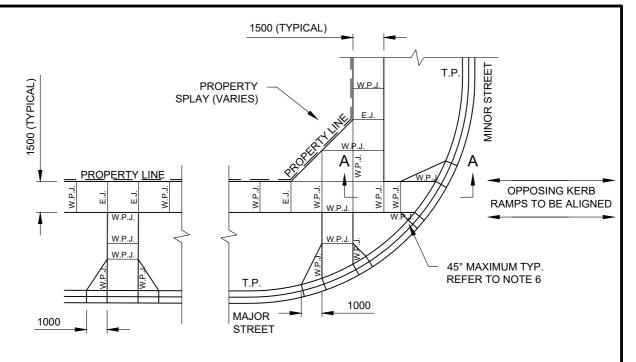
SECTION A-A



NOTES:

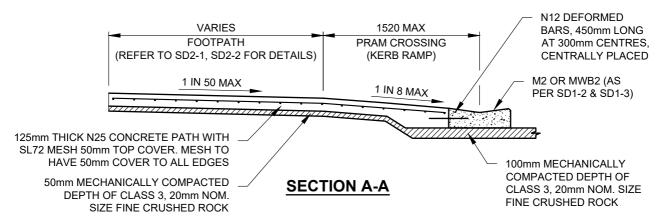
- THE SERVICE PIT IS TO BE INSTALLED WITH ITS OUTER EDGE NOT LESS THAT 150mm FROM THE EDGE OF THE FOOTPATH.
- THE CONCRETE COLLAR SUPPORT IS TO BE 200mm THICK WITHIN THE FOOTPATH.
- FOOTPATH REINFORCEMENT TO BE CONTINUOUS ON ALL SIDES OF THE PIT.
- FOOTPATH REINSTATEMENT WIDTH TO MATCH EXISTING FOOTPATH WIDTH.
- CONCRETE STRENGTH OF 25MPA AT 28 DAYS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD2-6.dwg (28 May, 2024)	I SUNFACE II \	EAKENED PLAN INT AS PER SD2-4
ervices\Engineering Design Projects\	NOTES: 1. THE SERVICE PIT IS TO BE INSTALLED WITH ITS OUTER EDGE NOT LESS THAT 150mm FROM THE EDGE OF THE FOOTPATH. 2. THE CONCRETE COLLAR SUPPORT IS TO BE 200mm THICK WITHIN THE FOOTPATH. 3. FOOTPATH REINFORCEMENT TO BE CONTINUOUS ON ALL SIDES OF THE PIT. 4. FOOTPATH REINSTATEMENT WIDTH TO MATCH EXISTING FOOTPATH WIDTH. 5. CONCRETE STRENGTH OF 25MPA AT 28 DAYS. 6. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.	
	REV AMENDMENTS APPROVAL DATE	CAD FILE: SD2-6.DWG
ineeri	B EDITED NOTES 1.8.2 MINOR DRAFTING MODIFICATIONS 20-06-09 C UPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI 21-05-24 ELECTRICAL PIT IN FOOTPATH	DRAWN DATE: FEB 2024
\Engi		REVISION: C
ame: M:	wyndhamcity wyndham.vic.gov.au 45 PRINCES HIGHWAY WERRIBEE, VIC 3030 wyndham.vic.gov.au	DRAWING NO.: SD2-6
Drawing name: M:\Engineering	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE. -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE. -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).	



TYPICAL MID-BLOCK PEDESTRIAN CROSSING

TYPICAL PEDESTRIAN CROSSING



- TACTILE GROUND SURFACE INDICATORS (TGSI'S) TO BE INSTALLED AT LOCATIONS SHOWN ON THE APPROVED PLANS, IN ACCORDANCE WITH AS1428.4 AND WCC TECHNICAL SPECIFICATION 790 - TACTILE GROUND SURFACE **INDICATORS**
- ALL FINISHED SURFACES MUST COMPLY WITH AS 4586 SLIP RESISTAN T CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS.
- FOR KERB RAMP RETRO-FITTING, SAW-CUT EXISTING KERB AND DRILL IN N12 DEFORMED BARS 450mm LONG AT 300mm CENTRES, PARALLEL TO KERB.
- SPLAYS TO BE 1000mm WITH KERB TRANSITION, OR AT 45° IF KERB RAMP LENGTH IS LESS THAN 1000mm.
- CONCRETE TO BE LIGHT BROOM FINISH, UNLESS OTHERWISE SPECIFIED, WITH EDGES AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- ALL TRANSITIONS IN RAMP AND SPLAY GRADE SHALL BE SHARP, TO ASSIST PEDESTRIAN NAVIGATION. 6.
- NO BULLNOSE IN THE INVERT OF KERB SHALL BE ACCEPTED. 7.
- REFER RO WCC TECHNICAL SPECIFICATIONS AND SD2-4 FOR JOINT DETAILS.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

ng S	REV	AMENDMENTS	APPROVAL	DATE		CAD FILE: SD3-1.DWG
erin	В	EDITED NOTES 1 & 2, MINOR DRAFTING MODIFICATIONS UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	19-06-07 21-05-24	PRAM CROSSING DETAILS	DDAMALDATE: FED 0004
В	D	MINOR DRAFTING UPDATES	M.BRIGANDI	10-09-24		DRAWN DATE: FEB 2024
jg	Е	MINOR DRAFTING UPDATES	M.BRIGANDI	27-03-25		REVISION: E
Ü	_					TREVIOIOIV. E
Ξ					45 PRINCES HIGHWAY TEL: 1300 023 411	DRAWING NO.:
ame:					wyndham.city WERRIBEE, VIC 3030 wyndham.vic.gov.au	SD3-1
Drawing na	GE					

- -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.
- -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE)

2025)

- 1. NO BULLNOSE IN THE LINE OF KERB.
- 2. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGES AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- 3. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS.
- 4. NO PATTERN-PAVE FINISH OR COLOURED CONCRETE IS TO BE USED. WHERE PERMISSION IS GRANTED TO USE COLOURED CONCRETE STRENGTH TO BE
- 5. EXPANSION JOINT SHALL HAVE N12 DIAMETER DEFORMED BARS 450mm LONG AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150mm
- 6. WIDTH OF CROSSING (W) 3500 UNLESS OTHERWISE APPROVED BY COUNCIL.
- 7. CONCRETE STRENGTH OF 25MPa AT 28 DAYS.
- 8. REINFORCING TO BE PLACED 50mm FROM TOP OF SLAB WITH 50mm COVER TO ALL EDGES
- 9. MODIFICATION OF VEHICLE CROSSING WIDTH AND SPLAYS SHALL BE SUBJECT TO CONSENT FOR WORKS ON ROAD RESERVE.
- 10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

MINIMUM CLEARANCES							
SCENARIO	DISTANCE						
BETWEEN CROSSOVERS	7.0m AT KERB						
DRAINAGE PITS	0.75m						
TRAFFIC MANAGEMENT DEVICES	1.0m						
UTILITY SERVICES ASSETS	1.0m						
STREET LIGHT	1.0m						
INTERSECTIONS (REFER TO AS 2890.1)	6m FROM KERB TANGENT POINT						
PRAM CROSSING	2.0m						
TREES	2.5m						
FIRE HYDRANT	1.0m						
LEGAL POINT OF DISCHARGE	1.0m						

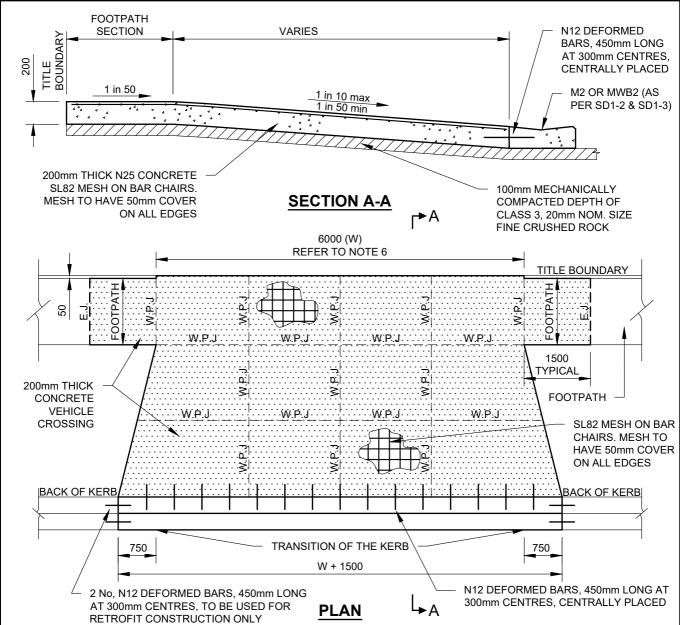
BACK OF KERB BACK OF KERB BACK OF KERB TRANSITION OF THE KERB W + 1200	BARS, 4	112 DEFORMED 450mm LONG AT
LONG AT 300mm CENTRES, CENTRALLY PLACED PLAN	USED F	CENTRES TO BE FOR RETRO-FIT RUCTION ONLY
NOTES:		
1. NO BULLNOSE IN THE LINE OF KERB.	r	
CONCRETE TO BE LIGHT BROOM FINISH WITH EDGES AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.	MINIMUM CLEAR	ANCES
3. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 - SLIP RESISTANT	SCENARIO	DISTANCE
CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS. 4. NO PATTERN-PAVE FINISH OR COLOURED CONCRETE IS TO BE USED. WHERE	BETWEEN CROSSOVERS	7.0m AT KERB
PERMISSION IS GRANTED TO USE COLOURED CONCRETE IS TO BE USED. WHERE	DRAINAGE PITS	0.75m
32MPa.	TRAFFIC MANAGEMENT DEVICES	3 1.0m
5. EXPANSION JOINT SHALL HAVE N12 DIAMETER DEFORMED BARS 450mm LONG	OTILITY OLIVIOLO AGGLIG	1.0m
AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150mm FROM EDGE.	STREET LIGHT	1.0m
6. WIDTH OF CROSSING (W) 3500 UNLESS OTHERWISE APPROVED BY COUNCIL. 7. CONCRETE STRENGTH OF 25MPa AT 28 DAYS.	INTERSECTIONS (REFER TO AS 2890.1)	6m FROM KERB TANGENT POIN
8. REINFORCING TO BE PLACED 50mm FROM TOP OF SLAB WITH 50mm COVER TO	PRAM CROSSING	2.0m
ALL EDGES.	TREES	2.5m
MODIFICATION OF VEHICLE CROSSING WIDTH AND SPLAYS SHALL BE SUBJEC TO CONSENT FOR WORKS ON ROAD RESERVE.	FIRE HYDRANT	1.0m
10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.	LEGAL POINT OF DISCHARGE	1.0m
AMENDMENTS APPROVAL DATE	T	CAD FILE: SD4-1.DV
EDITED NOTES 03, 04, 05 & 06. DRAFTING MODIFICATIONS 19-06-07 SINGLE RESIDENTIA	IAL VEHICLE CROSSING	DRAWN DATE: FEB
	- The Book Britis	REVISION: G
EDITED AS PER GROWTH AREA AUTHORITY STANDARD UPDATED TO REFLECT CURRENT STANDARDS M.BRICANDI 21-05-24 MBRICANDI 10-12-24		DRAWING NO.:

2025)

- 1. NO BULLNOSE IN THE LINE OF KERB.
- 2. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGES AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- 3. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS.
- 4. NO PATTERN-PAVE FINISH OR COLOURED CONCRETE IS TO BE USED. WHERE PERMISSION IS GRANTED TO USE COLOURED CONCRETE STRENGTH TO BE 32MPa
- 5. EXPANSION JOINT SHALL HAVE N12 DIAMETER DEFORMED BARS 450mm LONG AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150mm FROM EDGE
- 6. WIDTH OF CROSSING (W1 & W2) 3500 UNLESS OTHERWISE APPROVED BY COUNCIL
- 7. CONCRETE STRENGTH OF 25MPa AT 28 DAYS.
- 8. REINFORCING TO BE PLACED 50mm FROM TOP OF SLAB WITH 50mm COVER TO
- 9. MODIFICATION OF VEHICLE CROSSING WIDTH AND SPLAYS SHALL BE SUBJECT TO CONSENT FOR WORKS ON ROAD RESERVE.
- 10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

MINIMUM CLEARANCES							
SCENARIO	DISTANCE						
BETWEEN CROSSOVERS	7.0m AT KERB						
DRAINAGE PITS	0.75m						
TRAFFIC MANAGEMENT DEVICES	1.0m						
UTILITY SERVICES ASSETS	1.0m						
STREET LIGHT	1.0m						
INTERSECTIONS (REFER TO AS 2890.1)	6m FROM KERB TANGENT POINT						
PRAM CROSSING	2.0m						
TREES	2.5m						
FIRE HYDRANT	1.0m						
LEGAL POINT OF DISCHARGE	1.0m						

(27 Mar, 2) (27 Mar, 2) (27 Mar, 2) (37 Mar, 2) (47 Ma			HAVE 50mm COVER ON ALL EDGES	
		B	ACK OF KERB	
TRANSITION C	OF THE KERB	600		
₩1 + W2	2 + 1200			
BACK OF KERB 600 TRANSITION O W1 + W2 2 No, N12 DEFORMED BARS, 450mm LONG AT 300mm CENTRES, TO BE USED FOR RETROFIT CONSTRUCTION ONLY NOTES: 1. NO BULLNOSE IN THE LINE OF KERB. 2. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGES AND JOINTS TOOLED AFTER THE BROOM IS APPLIED. 3. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 - SLIP RESISTA	AN I	N12 DEFORMED BAF 300mm CENTRES, CI	,	
NOTES:		W.P.J = WEAKEN PLANE JOINT		
1. NO BULLNOSE IN THE LINE OF KERB. 2. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGES AND JOINTS.		E.J. = EXPANSION JOINT (AS F	PER SD2-4)	
TOOLED AFTER THE BROOM IS APPLIED. 3. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 - SLIP RESISTA		MINIMUM CLEAR	RANCES	
CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS.		SCENARIO	DISTANCE	
4. NO PATTERN-PAVE FINISH OR COLOURED CONCRETE IS TO BE US		BETWEEN CROSSOVERS	7.0m AT KERB	
PERMISSION IS GRANTED TO USE COLOURED CONCRETE STRENG	TH TO BE	DRAINAGE PITS	0.75m	
32MPa. 5. EXPANSION JOINT SHALL HAVE N12 DIAMETER DEFORMED BARS 4	E0mm LONG	TRAFFIC MANAGEMENT DEVICES	S 1.0m	
AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCI		UTILITY SERVICES ASSETS	1.0m	
FROM EDGE.		STREET LIGHT	1.0m	
CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS. 4. NO PATTERN-PAVE FINISH OR COLOURED CONCRETE IS TO BE US PERMISSION IS GRANTED TO USE COLOURED CONCRETE STRENG 32MPa. 5. EXPANSION JOINT SHALL HAVE N12 DIAMETER DEFORMED BARS 4 AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCI FROM EDGE. 6. WIDTH OF CROSSING (W1 & W2) 3500 UNLESS OTHERWISE APPROVICE COUNCIL. 7. CONCRETE STRENGTH OF 25MPa AT 28 DAYS. 8. REINFORCING TO BE PLACED 50mm FROM TOP OF SLAB WITH 50mm ALL EDGES. 9. MODIFICATION OF VEHICLE CROSSING WIDTH AND SPLAYS SHALL TO CONSENT FOR WORKS ON ROAD RESERVE. 10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.	/ED BY	INTERSECTIONS (REFER TO AS 2890.1)	6m FROM KERB TANGENT POINT	
7. CONCRETE STRENGTH OF 25MPa AT 28 DAYS. 8. REINFORCING TO BE PLACED 50mm FROM TOP OF SLAB WITH 50mi	n COVER TO	PRAM CROSSING	2.0m	
ALL EDGES.	II COVER TO	TREES	2.5m	
9. MODIFICATION OF VEHICLE CROSSING WIDTH AND SPLAYS SHALL	BE SUBJECT	FIRE HYDRANT	1.0m	
TO CONSENT FOR WORKS ON ROAD RESERVE.		LEGAL POINT OF DISCHARGE	1.0m	
OPEV AMENDMENTS APPROVAL DATE	EOIDENTIAL	/ELUQUE ODOGONIO	CAD FILE: SD4-3.DWG	
© C EDITED NOTE 04 01-09-09 FOOTPA		/EHICLE CROSSING TITLE BOUNDARY	DRAWN DATE: FEB 2024	
□ D EDITED AS PER GROWTH AREA AUTHORITY STANDARD 05-04-13 □ E UPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI 21-05-24 □ F MINOR DRAFTING UPDATES M.BRIGANDI 27-09-25	DITED AS PER GROWTH AREA AUTHORITY STANDARD 05-04-13 JPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI 21-05-24			
wyndhamcity	45 PRINCES H WERRIBEE, V		DRAWING NO.: SD4-3	
GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE. -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWIS -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY OF ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WIT	COUNCIL WEBSITE		35.0	

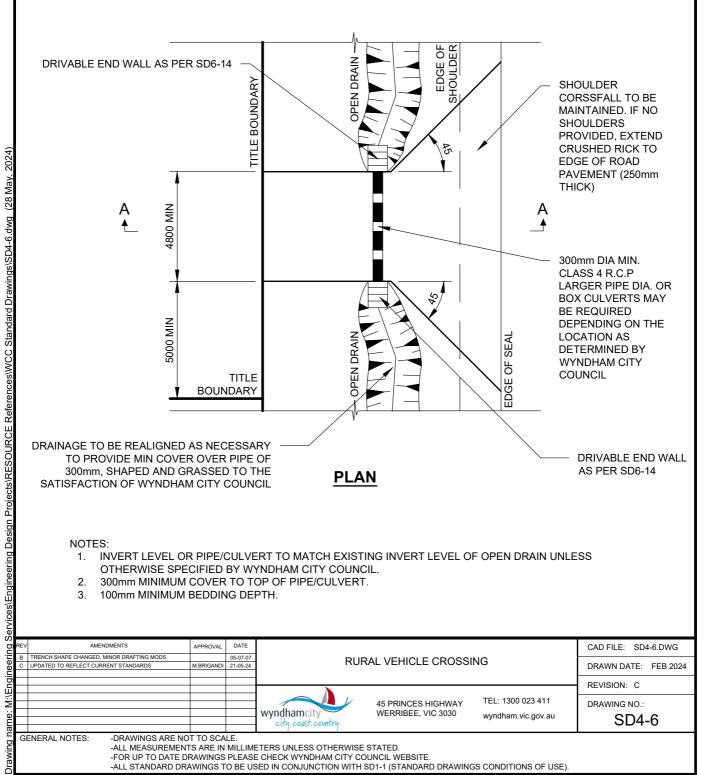


2025)

- 1. NO BULLNOSE IN THE LINE OF KERB.
- 2. CONCRETE TO BE LIGHT BROOM FINISH WITH EDGES AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
- 3. ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS.
- 4. NO PATTERN-PAVE FINISH OR COLOURED CONCRETE IS TO BE USED. WHERE PERMISSION IS GRANTED TO USE COLOURED CONCRETE STRENGTH TO BE
- 5. EXPANSION JOINT SHALL HAVE N12 DIAMETER DEFORMED BARS 450mm LONG AT 400mm MAXIMUM CENTRES, WITH 4 BARS MINIMUM, COMMENCING 150mm
- 6. WIDTH OF CROSSING (W) 6000 UNLESS OTHERWISE APPROVED BY COUNCIL.
- 7. CONCRETE STRENGTH OF 25MPa AT 28 DAYS.
- 8. REINFORCING TO BE PLACED 50mm FROM TOP OF SLAB WITH 50mm COVER TO ALL EDGES
- 9. MODIFICATION OF VEHICLE CROSSING WIDTH AND SPLAYS SHALL BE SUBJECT TO CONSENT FOR WORKS ON ROAD RESERVE.
- 10. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

MINIMUM CLEARANCES							
SCENARIO	DISTANCE						
BETWEEN CROSSOVERS	7.0m AT KERB						
DRAINAGE PITS	0.75m						
TRAFFIC MANAGEMENT DEVICES	1.0m						
UTILITY SERVICES ASSETS	1.0m						
STREET LIGHT	1.0m						
INTERSECTIONS (REFER TO AS 2890.1)	6m FROM KERB TANGENT POINT						
PRAM CROSSING	2.0m						
TREES	2.5m						
FIRE HYDRANT	1.0m						
LEGAL POINT OF DISCHARGE	1.0m						

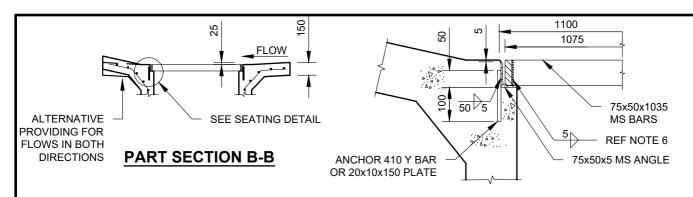
	/:::::::::::::::::::::::::::::::::::::	≥	≥			HAVE 50mm CO' ON ALL EDGES
BACK OF KERB					\\ <u>\</u>	BACK OF KERB
	750	TR	RANSITION OF W + 15		750	
AT 30 RETR	N12 DEFORMED Domm CENTRES, ROFIT CONSTRUC	TO BE USED FOR		<u>\N</u>	N12 DEFORMED BAR 300mm CENTRES, C	CENTRALLY PLACE
NOTES : 1. NO BULLNOSE IN					W.P.J = WEAKEN PLANE JOIN' E.J. = EXPANSION JOINT (AS F	
	THE BROOM IS APPL	LIED.			MINIMUM CLEAF	RANCES
3. ALL FINISHED SU				1T	SCENARIO	DISTANCE
CLASSIFICATION 4. NO PATTERN-PAV	OF NEW PEDESTRI OF FINISH OR COLO			D WHERE	BETWEEN CROSSOVERS	7.0m AT KERB
	RANTED TO USE CO				DRAINAGE PITS	0.75m
32MPa.	VIIII I J J	JEOGRED 33	-12011.2	11022	TRAFFIC MANAGEMENT DEVICE	S 1.0m
5. EXPANSION JOIN	Γ SHALL HAVE N12	DIAMETER DEFOR	KMED BARS 450	∂mm LONG	UTILITY SERVICES ASSETS	1.0m
AT 400mm MAXIM FROM EDGE.	IUM CENTRES, WITH	1 4 BARS MINIMUM	I, COMMENCIN	.G 150mm	STREET LIGHT	1.0m
6. WIDTH OF CROSS 7. CONCRETE STRE	` '		PPROVED BY (COUNCIL.	INTERSECTIONS (REFER TO AS 2890.1)	6m FROM KERE TANGENT POIN
8. REINFORCING TO	BE PLACED 50mm	FROM TOP OF SLF	AB WITH 50mm	COVER TO	PRAM CROSSING	2.0m
ALL EDGES.					TREES	2.5m
9. MODIFICATION OF			LAYS SHALL B	E SUBJECT	FIRE HYDRANT	1.0m
TO CONSENT FOR 10. ALL DIMENSIONS	R WORKS ON ROAD IN MILLIMETRES UI		E SHOWN.		LEGAL POINT OF DISCHARGE	1.0m
AMENDMENTS B EDITED NOTES 03, 04, 05 & 06, DRAFTIN	APPROVA		HEAVY	/ DLITY VE	HICLE CROSSING	CAD FILE: SD4-5.D\
EDITED NOTES 03, 04, 05 & 06. DRAFTIN EDITED NOTE 04, REMOVED TITLE BOU EDITED FOOTPATH GRADING		20-06-07 01-09-09 05-04-13			TITLE BOUNDARY	DRAWN DATE: FEE
UPDATED TO REFLECT CURRENT STAN MINOR DRAFTING UPDATES	NDARDS M.BRIGAN M.BRIGAN	NDI 21-05-24				REVISION: F
MINOR DRAFTING OFDATES	M.DIXIGras	wyndhan	mcity		ES HIGHWAY TEL: 1300 023 411 E, VIC 3030 wyndham.vic.gov.au	DRAWING NO.: SD4-5

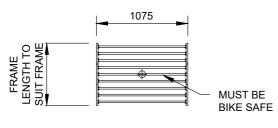


- INVERT LEVEL OR PIPE/CULVERT TO MATCH EXISTING INVERT LEVEL OF OPEN DRAIN UNLESS OTHERWISE SPECIFIED BY WYNDHAM CITY COUNCIL.
- 300mm MINIMUM COVER TO TOP OF PIPE/CULVERT. 2.
- 3. 100mm MINIMUM BEDDING DEPTH.

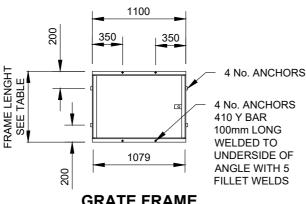
Λ											
	ΕV	AMENDMENTS	APPROVAL	DATE		CAD FILE: SD4-6.DWG					
	В	TRENCH SHAPE CHANGED, MINOR DRAFTING MODS		05-07-07	DUD	RURAL VEHICLE CROSSING					
B	С	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	KUK	AL VEHICLE CROSSII	NG	DRAWN DATE: FEB 2024			
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_								REVISION: C			
ūL	_							TREVIOIOIV. O			
	_					45 DDINIOEO LIIOLINAAV	TEL: 1300 023 411				
≥ _						45 PRINCES HIGHWAY	122. 1000 020 411	DRAWING NO.:			
ьL					wyndhamcity	WERRIBEE, VIC 3030	wyndham.vic.gov.au	004.0			
ĔL					city. coast. country		wynanam.vio.gov.aa	SD4-6			
alle.					C11-1. CO031. COUNTY						
	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE.										

- -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.
- -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).

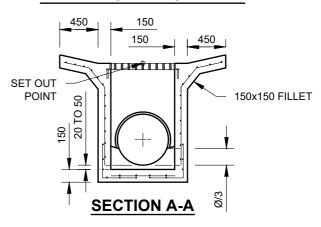




GRATE UNIT



FRAMER SEATING DETAIL



PIT	PIT TOP INT	ERNAL DIM	FRAME		
TYPE	LENGTH	WIDTH	LENGTH	UNITS	
1	750	1000	750	3	
2	1000	1000	1000	4	
3	1500	1000	1500	6	
4	2000	1000	2000	8	
5	2500	1000	2500	10	

GRATE FRAME

1000

PIT WIDTH

SECURING BOLT

(SEE SD5-2 FOR

DETAIL)

150

150

PIT VARIES

450

450

450

PIT, FRAME AND GRATE DETAILS

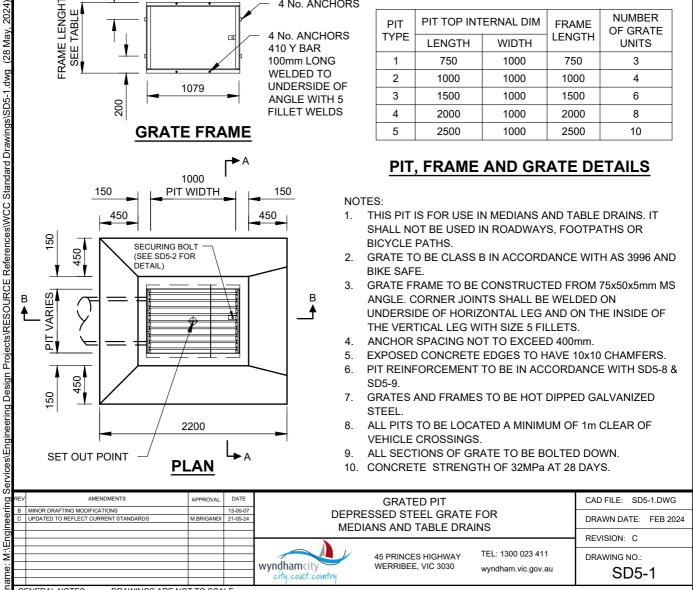


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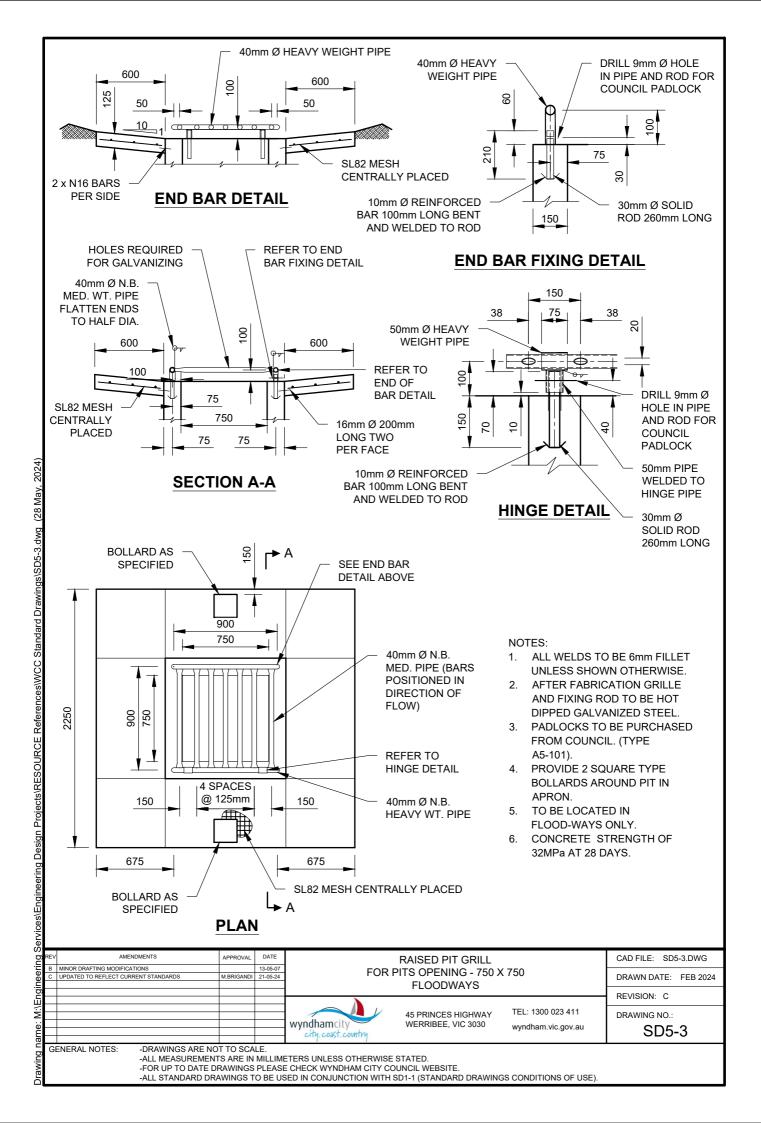
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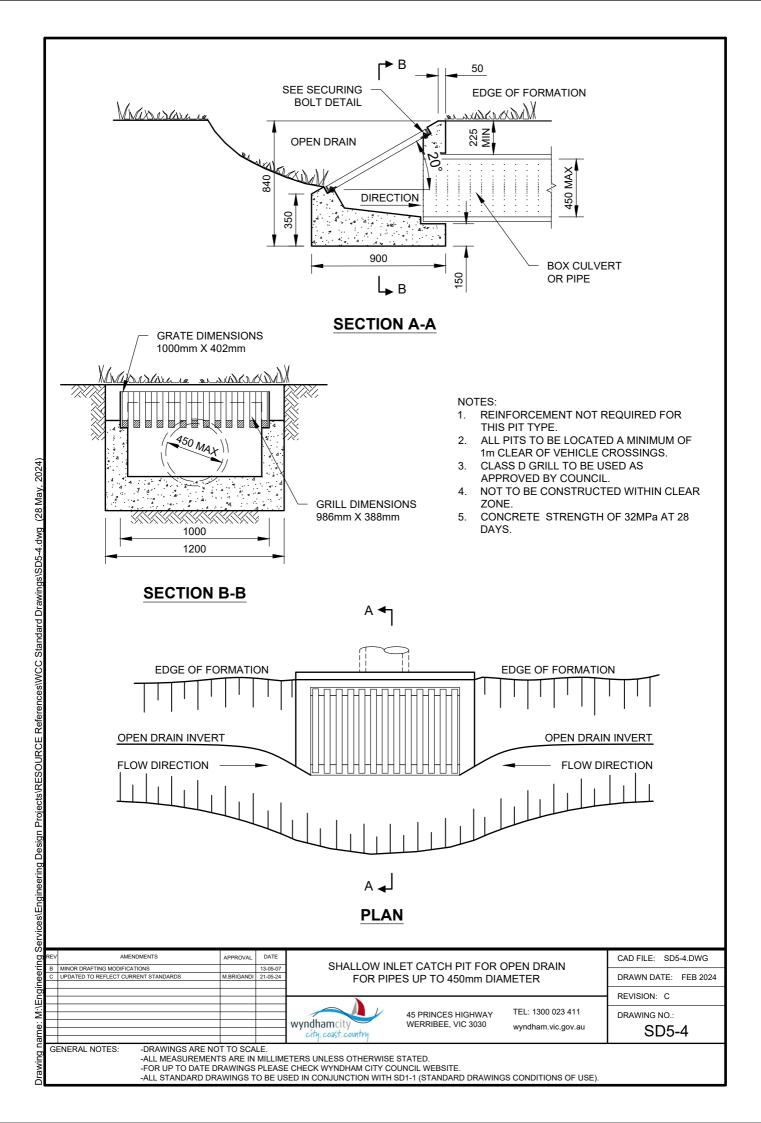
- THIS PIT IS FOR USE IN MEDIANS AND TABLE DRAINS. IT SHALL NOT BE USED IN ROADWAYS, FOOTPATHS OR BICYCLE PATHS.
- GRATE TO BE CLASS B IN ACCORDANCE WITH AS 3996 AND BIKE SAFE.
- GRATE FRAME TO BE CONSTRUCTED FROM 75x50x5mm MS ANGLE. CORNER JOINTS SHALL BE WELDED ON UNDERSIDE OF HORIZONTAL LEG AND ON THE INSIDE OF THE VERTICAL LEG WITH SIZE 5 FILLETS.
- ANCHOR SPACING NOT TO EXCEED 400mm.
- EXPOSED CONCRETE EDGES TO HAVE 10x10 CHAMFERS.
- PIT REINFORCEMENT TO BE IN ACCORDANCE WITH SD5-8 & SD5-9.
- 7. GRATES AND FRAMES TO BE HOT DIPPED GALVANIZED STEEL.
- ALL PITS TO BE LOCATED A MINIMUM OF 1m CLEAR OF

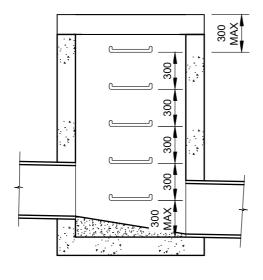


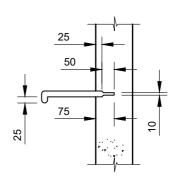
GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.



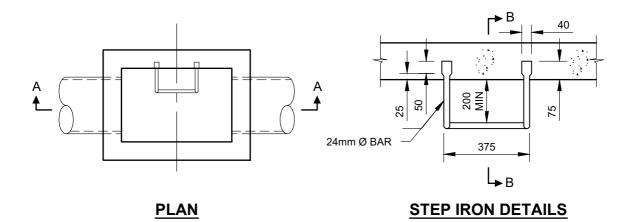






SECTION A-A

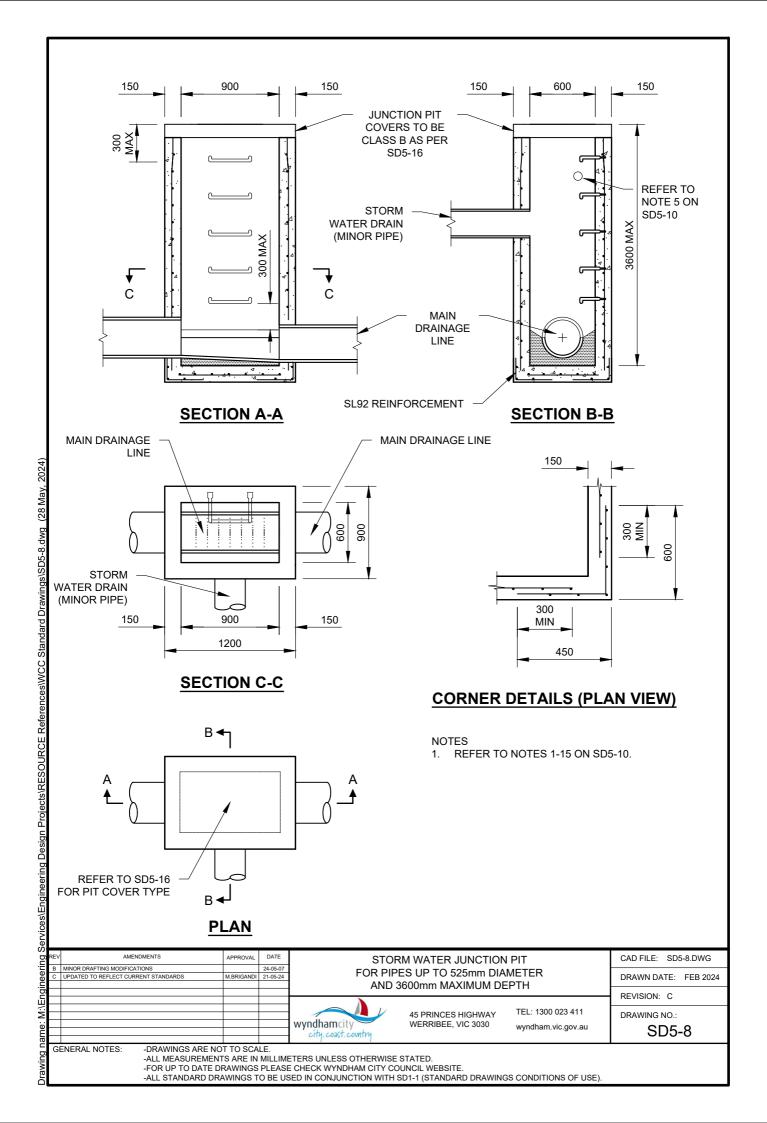
SECTION B-B

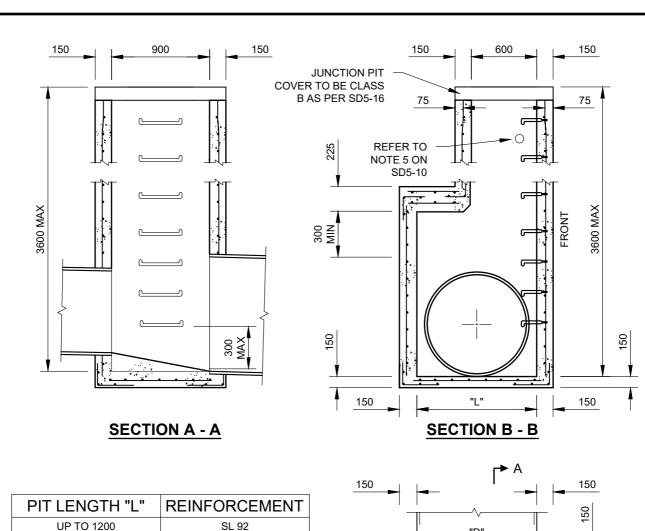


NOTES:

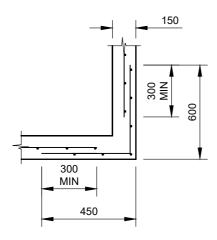
- PITS DEEPER THAN 1000mm TO BE FITTED WITH STEP IRONS.
- STEP IRONS TO BE LOCATED:
 - DIRECTLY BELOW THE OPENING IN THE COVER.
 - DESIRABLY ON A WALL WITHOUT PIPE OPENINGS.
 - DESIRABLY ON THE WIDEST SIDE OF PIT.
 - STEP IRONS CHANGING PIT FACE ARE TO BE PROVIDED WITH 1.2m OVERLAP.
- STEP IRONS TO BE HOT DIP GALVANIZED TO AS4680 AND TO BE STRUCTURAL GRADE 250 IN ACCORDANCE WITH AS3679. ALL EDGES ARE TO BE ROUNDED.
- GATIC PS2-PF POLYPROPYLENE STEPS (OR APPROVED EQUIVALENT) MAY BE USED AND INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.

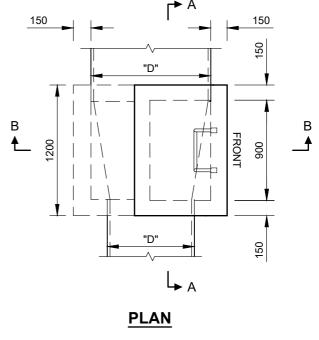
Services/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) A T Services/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-7.dwg (28 May, 2024) SERVICES/Engineering Dra	PLAN	A A	24mm Ø BAR STE	375 B P IRON DETA	ILS
NOTES: 1. PITS DEEP 2. STEP IRON - [- [- [- [- [- [- [- [- [- [ER THAN 1000mm TO BE FIT IS TO BE LOCATED: DIRECTLY BELOW THE OPE DESIRABLY ON A WALL WIT DESIRABLY ON THE WIDEST STEP IRONS CHANGING PIT IS TO BE HOT DIP GALVANIZ 79. ALL EDGES ARE TO BE -PF POLYPROPYLENE STEP IG TO THE MANUFACTURES	NING IN THE COV HOUT PIPE OPENI T SIDE OF PIT. FACE ARE TO BE ZED TO AS4680 AN ROUNDED. PS (OR APPROVED	ER. NGS. PROVIDED WITH 1.2m ID TO BE STRUCTURA D EQUIVALENT) MAY B	L GRADE 250 IN ACC	
	APPROVAL DATE 24-05-07 DARDS M.BRIGANDI 21-05-24		STEP IRON DETAILS		CAD FILE: SD5-7.DWG DRAWN DATE: FEB 2024
B MINOR DRAFTING MODIFICATIONS C UPDATED TO REFLECT CURRENT STAN UPDATED TO REFLECT CURRENT ST	wy	undhamcity city. cost. country	45 PRINCES HIGHWAY WERRIBEE, VIC 3030	TEL: 1300 023 411 wyndham.vic.gov.au	DRAWING NO.: SD5-7
-ALL M	VINGS ARE NOT TO SCALE. MEASUREMENTS ARE IN MILLIMETER UP TO DATE DRAWINGS PLEASE CH STANDARD DRAWINGS TO BE USED I	ECK WYNDHAM CITY CO	DUNCIL WEBSITE.	S CONDITIONS OF USE).	





1801-2400 RL 1218





CORNER DETAILS (PLAN VIEW)

24)	SECTION	<u>ON A - A</u>		<u>s</u>	ECTION B - B	
SD5-9.dwg (28 May, 2024)	PIT LENGTH "L" UP TO 1200 1201-1800	REINFOR SL RLS	92	150	- A - →	150
)\sb(1801-2400	RL 1	218	T []		
Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD5-9.dwg	REINFORCEM	 	150 009	B	"D" A PLAN	B 1 006 091
Services\Engineering Design Pro	CORNER DETAI	450	VIEW)	NOTES 1. REFER T	O NOTES 1-17 ON SD	5-10.
	AMENDMENTS	APPROVAL DATE		ORM WATER JUNCTION		CAD FILE: SD5-9.DWG
	OR DRAFTING MODIFICATIONS ATED TO REFLECT CURRENT STANDARDS	28-05-07 M.BRIGANDI 21-05-24		PIPES 600mm DIAMETE , WITH 3600mm MAXIN		DRAWN DATE: FEB 2024
Engi			SILE (I EI	,		REVISION: C
ame: M:\		w	yyndhamcity city.coost.country	45 PRINCES HIGHWAY WERRIBEE, VIC 3030	TEL: 1300 023 411 wyndham.vic.gov.au	DRAWING NO.: SD5-9
Drawing name: M:	-FOR UP TO DATE DE	'S ARE IN MILLIMETE RAWINGS PLEASE CI	ERS UNLESS OTHERWIS HECK WYNDHAM CITY () IN CONJUNCTION WITI		GS CONDITIONS OF USE).	

M.) Engineering Services Engineering Design Projects/RESOURCE References/WCC Standard Drawings/SD5-10.dwg (28 May

NOTES FOR SD5-8 & SD5-9

- JUNCTION PITS LOCATED WITHIN 0.75m OF VEHICLE CROSSINGS OR WITHIN ROAD PAVEMENTS TO HAVE CLASS D PIT COVER AS PER SD5-16.
- PITS DEEPER THAN 1000mm TO BE FITTED WITH STEP IRONS IN ACCORDANCE WITH SD5-7.
- PITS DEEPER THAN 1200mm TO BE REINFORCED WITH SL92.
- FLOOR OF PIT TO BE SHAPED WITH CEMENTITIOUS MORTAR AS SPECIFIED.
- INSTALL 100mm DIAMETER PENETRATION FOR SUBSURFACE DRAINAGE.
- REINFORCEMENT TO HAVE 50mm COVER TO ALL EDGES.
- FOR PIT COVER DETAILS, REFER TO PIT SCHEDULE ON DRAWINGS AND SD5-16. PIT COVERS TO MATCH FINISHED SURFACE LEVEL
- SUBJECT TO COUNCIL APPROVAL PRECAST PITS COMPLYING WITH AS 5100 BRIDGE DESIGN AND WCC SPECIFICATION 705 DRAINAGE PIT MAY BE USED.
- PIT COVERS TO BE IMPRINTED WITH THE CLASS OF THE COVER AND WEIGHT.
- 10. WHERE POLYMERIC PIT COVERS ARE USED, THEY ARE TO BE FITTED WITH AN APPROVED LOCKING DEVICE AND INSTALLED TO OPEN ON THE VERGE SIDE OF THE ROAD.
- 11. WHERE POLYMERIC PIT COVERS ARE USED, THEY ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND HAVE A CLEAR OPENING OF 900mm X 600mm.
- 12. CONCRETE PIT COVERS TO BE INSTALLED ON A 5mm BED OF MORTAR.
- 13. RETURN REINFORCEMENT TO BE MESH OR EQUIVALENT BARS.
- 14. BEDDING AS PER WCC SPECIFICATION 705 DRAINAGE PITS AND COVERS.
- 15. POLYMERIC PIT COVERS TO BE ATTACHED WITH FOUR NO. 100mm DIAMETER 75mm LONG MASONRY ANCHORS OR AS PER THE MANUFACTURERS DETAILS.
- 16. CONCRETE STRENGTH OF 32MPa AT 28 DAYS.

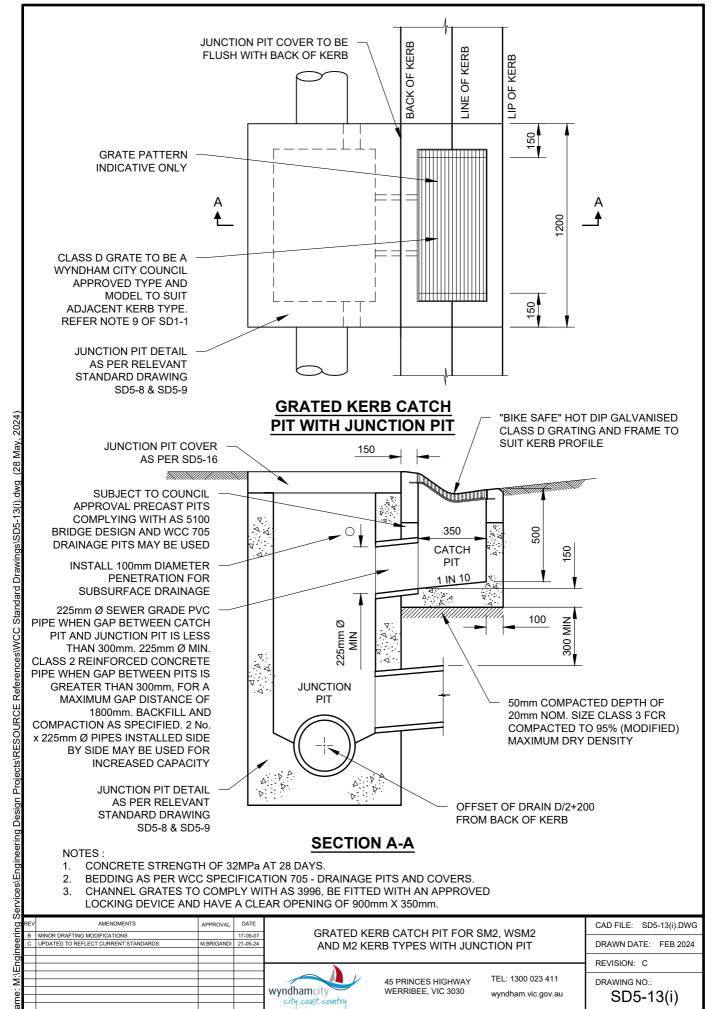
NOTES THAT ONLY APPLY TO SD5-9

- 17. PITS TO BE HAUNCHED WHERE THE PIPE DIAMETER PLUS 75mm IS GREATER THAN THE WIDTH OF THE PIT.
- 18. PITS WITH HAUNCHING IN TWO DIRECTIONS REQUIRE APPROVAL FROM WYNDHAM CITY COUNCIL.

1	REV	AMENDMENTS	APPROVAL	DATE		CAD FILE: SD5-10.DWG
١.	\rightarrow	MINOR DRAFTING MODIFICATIONS UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	28-05-07 21-05-24	NOTES FOR STORM WATER JUNCTION PITS	DRAWN DATE: FEB 2024
					<u> </u>	REVISION: C
}					wyndhamcity WERRIBEE, VIC 3030 Wyndham.vic.gov.au wyndham.vic.gov.au	DRAWING NO.: SD5-10
L					2117. 200311.2001117	020.0

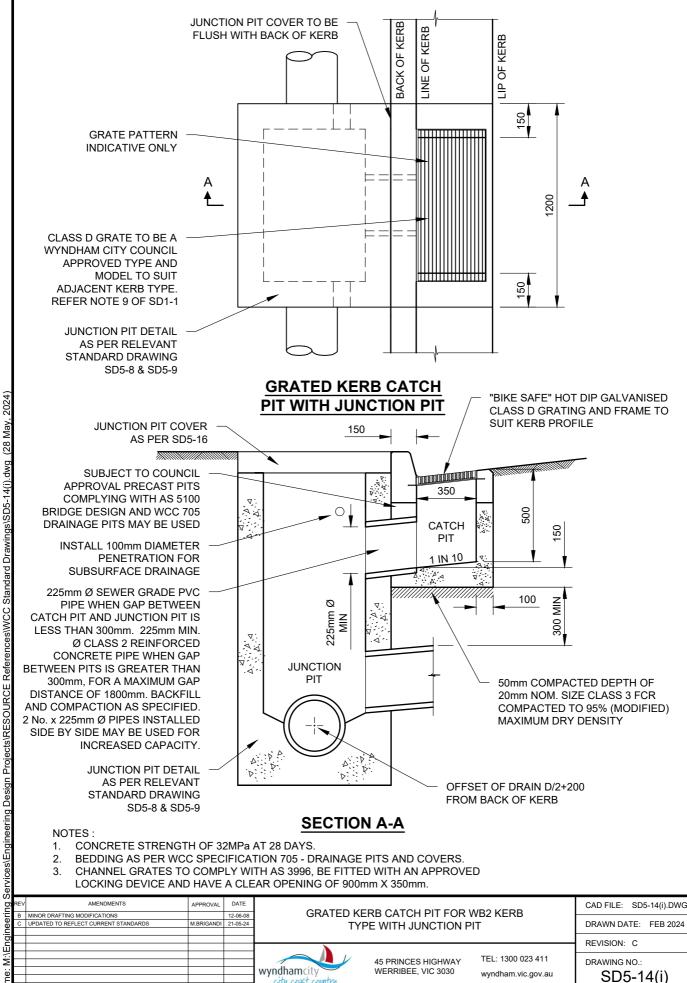
GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.



GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE

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GENERAL NOTES:

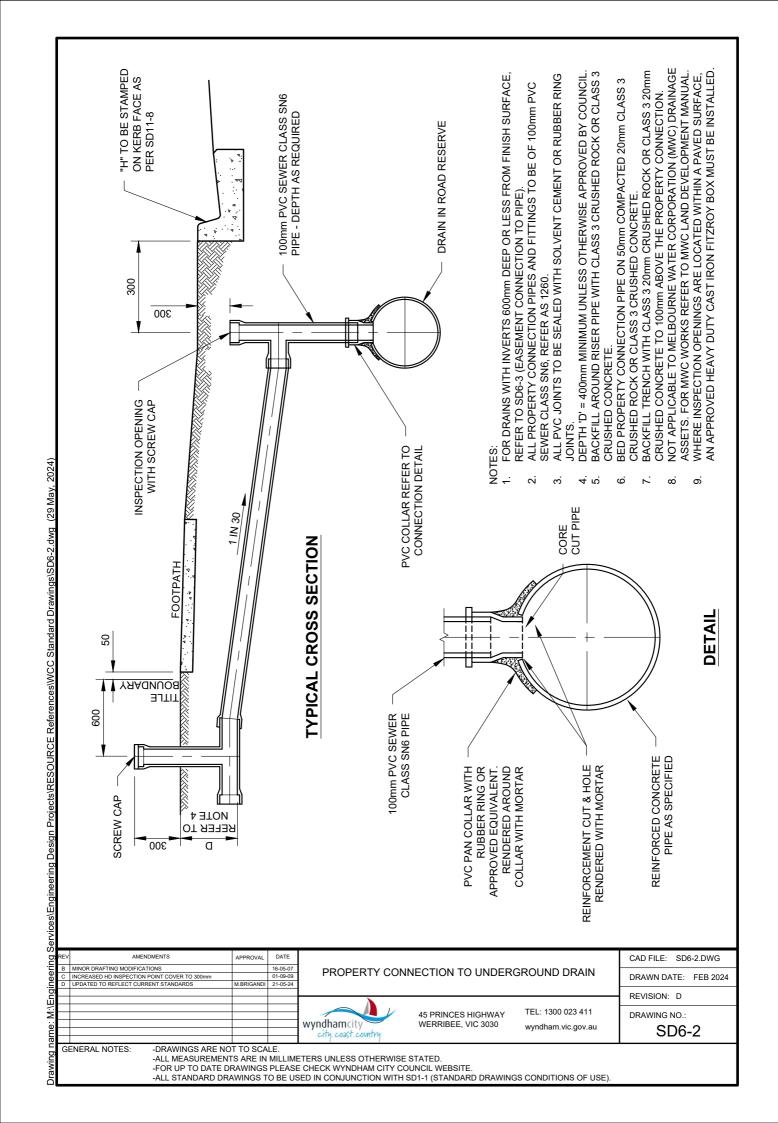
-DRAWINGS ARE NOT TO SCALE

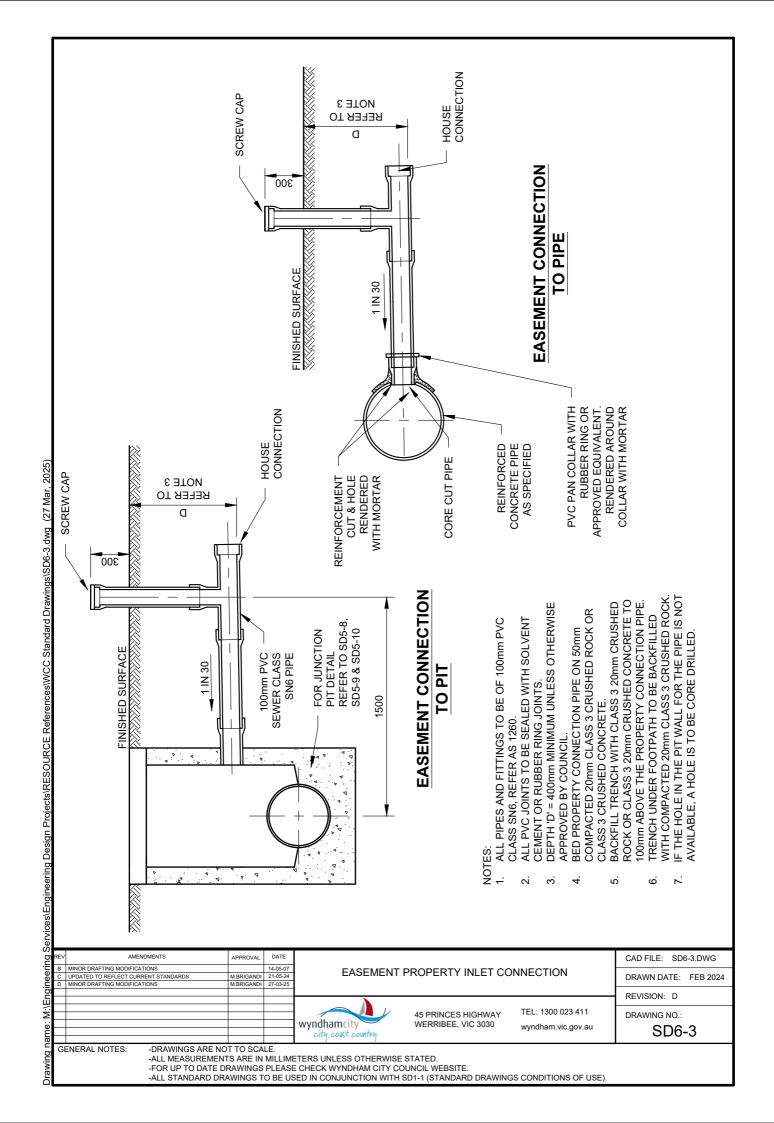
-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.

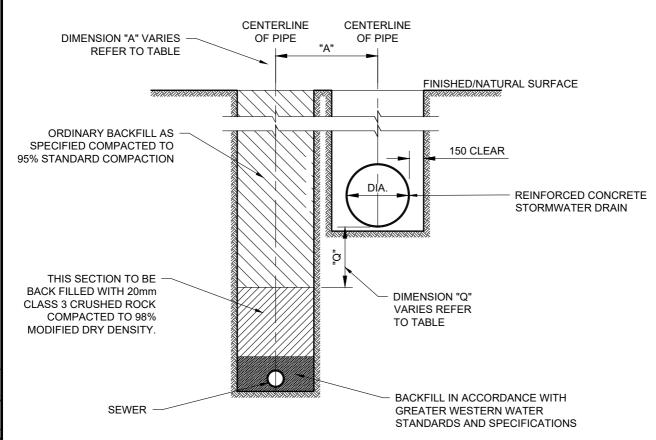
NOTES:

- ALL JUNCTION PIT COVERS, INSERTS, FRAMES, LIFTING KEYHOLES AND LUGS SHALL COMPLY WITH AS 3996.
- CLASS D HEAVY DUTY JUNCTION PIT COVER TO BE USED WHERE; 2.
- JUNCTION PITS ARE LOCATED WITHIN THE ROAD PAVEMENT.
- JUNCTION PITS ARE LOCATED WITHIN 0.75m OF INDUSTRIAL VEHICLE CROSSINGS.
- AS SPECIFIED OR DIRECTED BY WYNDHAM CITY COUNCIL.
- JUNCTION PIT COVER IS POSSIBLY SUBJECTED TO HEAVY TRAFFIC.
- JUNCTION PIT COVERS TO BE A WYNDHAM CITY COUNCIL APPROVED TYPE AND MODEL. REFER TO NOTES 8 3. & 9 OF SD1-1.
- PIT COVERS TO BE IMPRINTED WITH THE CLASS OF THE COVER AND WEIGHT.
- WHERE POLYMERIC PIT COVERS ARE USED, THEY ARE TO BE FITTED WITH AN APPROVED LOCKING DEVICE AND INSTALLED TO OPEN ON THE VERGE SIDE OF THE ROAD
- WHERE POLYMERIC PIT COVERS ARE USED, THEY ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND HAVE A CLEAR OPENING OF 900mm X 600mm.
- CONCRETE PIT COVERS TO BE INSTALLED ON A 5mm BED OF MORTAR.

gs\SD5-16.dwg (28 May, 2024)	1200	900	006		200							
es\WCC Standard Drawing	CLASS B JUNCTION PIT COVER PLAN	CLASS E JUNCTION COVER PL	<u>PIT</u>	JUNCT	SS D ION PIT R PLAN							
Services/Engineering Design Projects/RESOURCE References/WCC Standard Drawings\SD5-16.dwg	 CLASS D HEAVY DUTY JUNCTION PITS ARE LOT JUNCTION PITS ARE LOT AS SPECIFIED OR DIRE JUNCTION PIT COVERS WAS SPECIFIED OF BEIMPRED TO SEED OF SOLUTION PIT COVERS WAS ASSESSED OF SOLUTION PIT COVERS TO BE IMPRED FOLYMERIC PIT AND INSTALLED TO OPE WHERE POLYMERIC PIT MANUFACTURER'S SPECIFIED OF SEED OF	ERS, INSERTS, FRAMES, LIFTING KE UNCTION PIT COVER TO BE USED W DCATED WITHIN THE ROAD PAVEME DCATED WITHIN 0.75m OF INDUSTR ECTED BY WYNDHAM CITY COUNCIL IS POSSIBLY SUBJECTED TO HEAV TO BE A WYNDHAM CITY COUNCIL RINTED WITH THE CLASS OF THE CO EN ON THE VERGE SIDE OF THE RO COVERS ARE USED, THEY ARE TO EN ON THE VERGE SIDE OF THE RO COVERS ARE USED, THEY ARE TO CIFICATIONS AND HAVE A CLEAR OF	WHERE; ENT. AL VEHICLE CROSSIN TRAFFIC. APPROVED TYPE AND OVER AND WEIGHT. BE FITTED WITH AN A AD. BE INSTALLED IN ACC PENING OF 900mm X 6	NGS. MODEL. REFER APPROVED LOCK CORDANCE WITH	TO NOTES 8							
E REV	NOR DRAFTING MODIFICATIONS	12 11 11	TION PIT COVERS	-	CAD FILE: SD5-16.DWG							
ginee	PDATED TO REFLECT CURRENT STANDARDS M.BF	IRIGANDI 21-05-24 IN	SERT & FRAME	-	DRAWN DATE: FEB 2024 REVISION: C							
name: M:\En			TRINGEOTHORWAT	L: 1300 023 411 ndham.vic.gov.au	DRAWING NO.: SD5-16							
Drawing na	-ALL MEASUREMENTS A -FOR UP TO DATE DRAW	ARE IN MILLIMETERS UNLESS OTHERWISE STA' WINGS PLEASE CHECK WYNDHAM CITY COUNC	L WEBSITE.	NDITIONS OF USE).	-DRAWINGS ARE NOT TO SCALE. -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE. ALL STANDARD DRAWINGS TO BE USED IN COMMUNICATION WITH SMALL (STANDARD DRAWINGS CONDITIONS OF USE).							







TYPICAL CROSS SECTION

"A"	"Q"		
SEPARATION BETWEEN CL OF TRENCHES (mm)	DIMENSION (mm)		
750	0		
1000	600		
1500	800 1300		
2000			
2000-6000	1300		

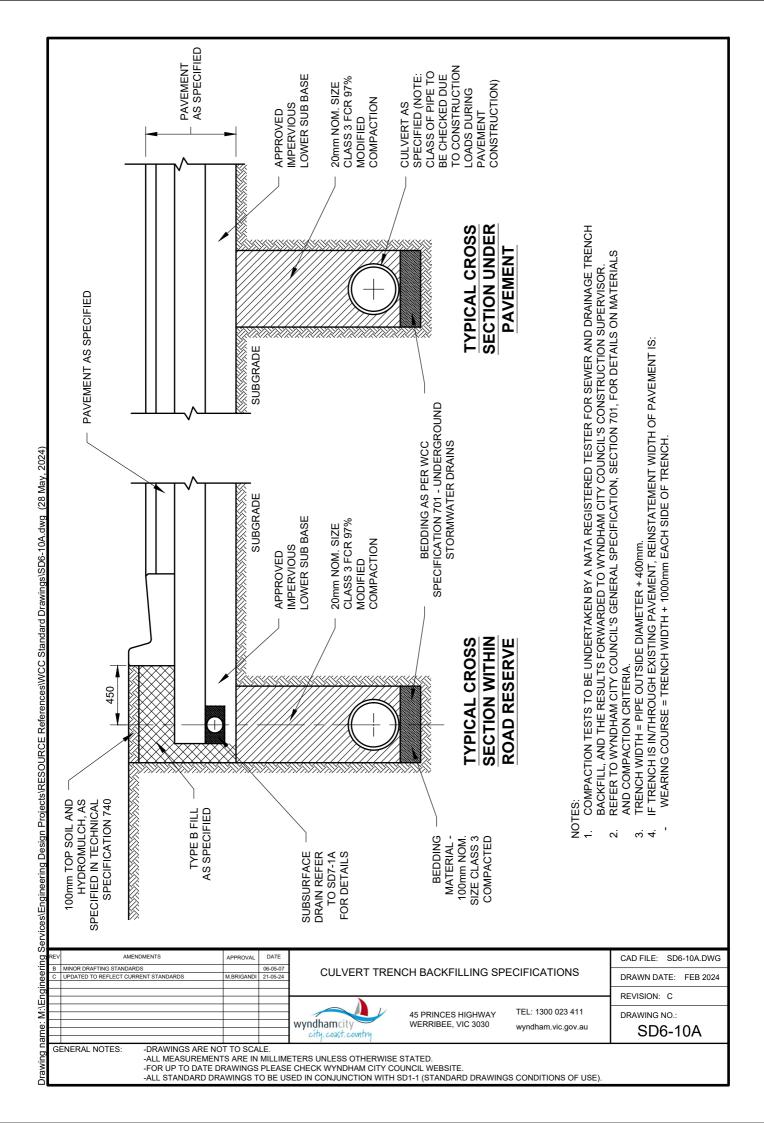
NOTES:

- COMPACTION TESTS TO BE UNDERTAKEN BY A NATA REGISTERED TESTER FOR SEWER AND DRAINAGE TRENCH BACKFILL. RESULTS TO BE FORWARDED TO WYNDHAM CITY COUNCIL'S WORKS SUPERVISING OFFICER.
- REFER TO WYNDHAM CITY COUNCIL'S
 GENERAL SPECIFICATIONS, SECTION 701,
 FOR DETAILS ON MATERIALS AND
 COMPACTION CRITERIA.
- 3. DEPTH OF CLASS 3 BACKFILLING REQUIRED TO BE SHOWN ON SEWER PLAN LONGSECTIONS.
- 4. BACKFILLING REQUIREMENT APPLIES TO ALL EXISTING AND FUTURE SEWERS.

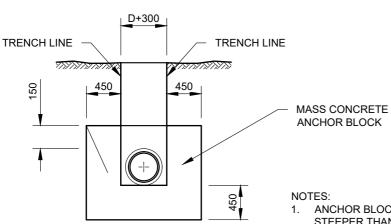
27	REV	AMENDMENTS	APPROVAL	DATE	SEWER TREN	CAD FILE: SD6-10.DWG		
2	_	MINOR DRAFTING MODIFICATIONS, DELETED NOTE 5 UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	16-05-07 21-05-24	FOR DRAINS IN EXCLUI	DRAWN DATE: FEB 2024		
2					LX0E0.	REVISION: C		
					wyndhamcity city.cosst.country	45 PRINCES HIGHWAY WERRIBEE, VIC 3030	TEL: 1300 023 411 wyndham.vic.gov.au	DRAWING NO.: SD6-10
1	CENERAL NOTES. DRAWINGS ARE NOT TO SCALE							

GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.

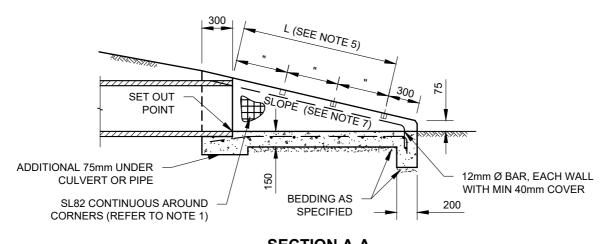


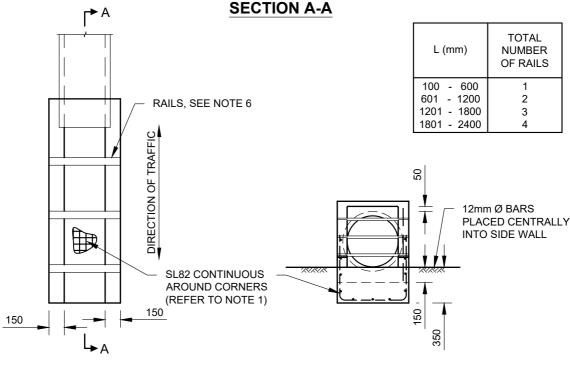
SECTION VIEW



- ANCHOR BLOCKS TO BE USED WHERE THE PIPE SLOPE IS STEEPER THAN 1 IN 3 AND PIPE LENGTH IS GREATER THAN
- ANCHOR BLOCKS TO BE LOCATED APPROXIMATELY 2.4m FROM THE OUTLET END, AND;
 - (a) AT 6m SPACINGS FOR DRAINAGE LENGTH15m 30m.
- (b) 10m SPACING FROM DRAINAGE LENGTHS 30m 40m.
- (c) 15m SPACING FOR DRAINAGE LENGTHS GREATER THAN 40m.
- CONCRETE STRENGTH OF 25MPa AT 28 DAYS.

(28 May, 2024)	MASS CONCRETE ANCHOR BLOCK
SD6-11.dwg	SECTION VIEW
Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD6-11.dwg	TRENCH LINE MASS CONCRETE ANCHOR BLOCK NOTES: 1. ANCHOR BLOCKS TO BE USED WHERE THE PIPE SLOPE IS STEEPER THAN 1 IN 3 AND PIPE LENGTH IS GREATER THAN 15m. 2. ANCHOR BLOCKS TO BE LOCATED APPROXIMATELY 2.4m FROM THE OUTLET END, AND; (a) AT 6m SPACINGS FOR DRAINAGE LENGTH15m - 30m. (b) 10m SPACING FROM DRAINAGE LENGTH5 30m - 40m. (c) 15m SPACING FOR DRAINAGE LENGTH5 GREATER THAN 40m. 3. CONCRETE STRENGTH OF 25MPa AT 28 DAYS.
ering S	AMENDMENTS APPROVAL DATE B MINOR DRAFTING MODIFICATIONS 16-05-07 C UPDATED TO REFLECT CURRENT STANDARDS M.BRIGAND 12-05-24 MRIGAND 12-05-24 ANCHOR BLOCK DETAILS FOR DRAWN DATE: FEB 2024 DRAWN DATE: FEB 2024
ngine	C UPDATED TO REFLECT CURRENT STANDARDS M.B.RIGANDI 21-05-24 PIPES UP TO 600 DIAMETER DRAWN DATE: FEB 2024 REVISION: C
Drawing name: M:\Engineering	wyndhamcity windhamcity windhamcity windhamcity windhamcity windham.vic.gov.au WERRIBEE, VIC 3030 WINDHAM.vic.gov.au DRAWING NO.: SD6-11
Drawing na	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALEALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATEDFOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITEALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).





PLAN

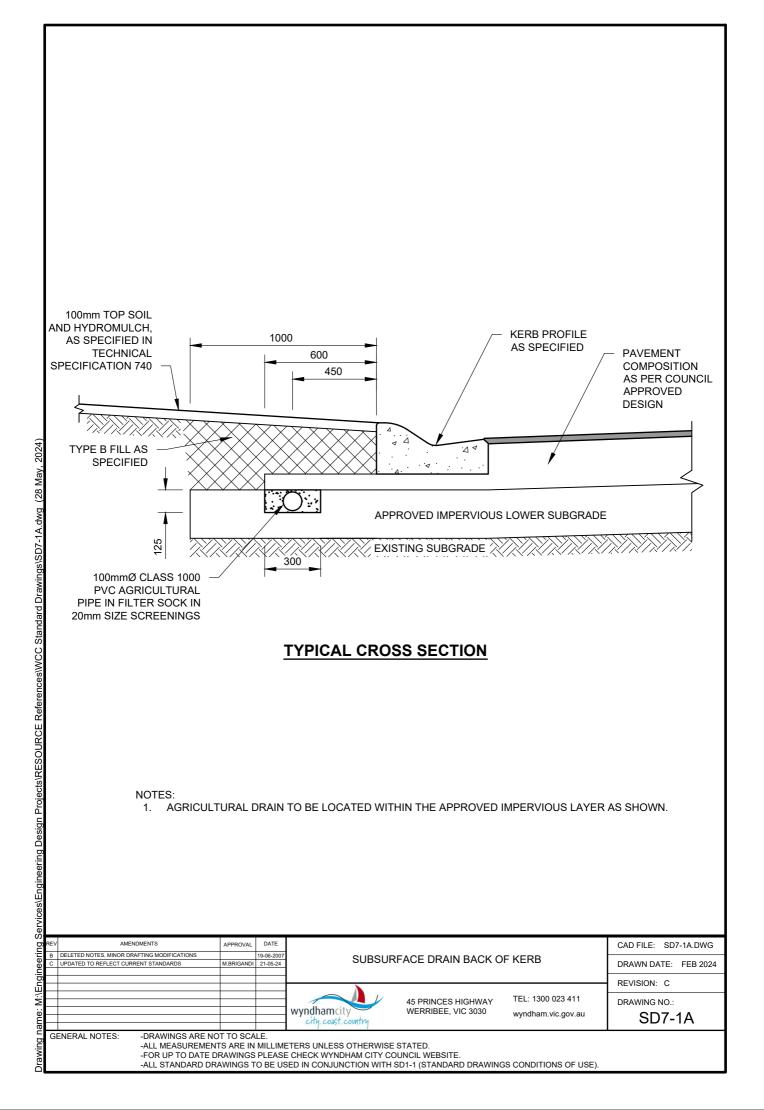
REINFORCEMENT, SL82 UNLESS OTHERWISE SPECIFIED, TO BE CONTINUOUS AROUND CORNERS AND LOCATED AS SHOWN. CLEAR COVER 50mm MIN. LAPS: FABRICS 300mm MIN BARS 25mm x BAR DIAMETER MIN.

END ELEVATION

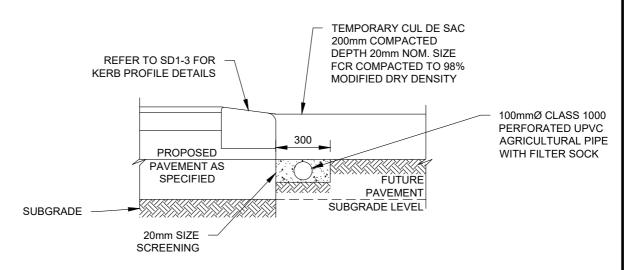
- DISTRIBUTION BARS 12mm Ø AT 200mm CENTRES.
- CONCRETE TO BE NORMAL-CLASS N32 STANDARD STRENGTH GRADE OR HIGHER COMPLYING WITH THE REQUIREMENTS OF AS 1379. EXPOSURE CLASSIFICATIONS UP TO AND INCLUDING B1.
- EXPOSED EDGES TO HAVE 20mm x 20mm CHAMFERS.
- RAILS WITHIN LENGTH "L" SHALL BE EVENLY SPACED. THE MAXIMUM SPACING SHALL NOT EXCEED 600mm.
- 6 RAILS ARE 60.3mm DIAMETER GALVANISED TUBES 5.4mm THICK. THESE ARE TO BE GROUTED INTO THE SLOTS IN THE WALLS.
- SLOPE OF ENDWALL TO MATCH BATTER SLOPE. MAXIMUM SLOPE 1IN 6.
- ENDWALLS TO BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT PROVISIONS OF AS 3600.

ng S	REV	AMENDMENTS	APPROVAL	DATE	DRIVEABLE CULVERT ENDWALL	CAD FILE: SD6-14.DWG	
=ngineeri	C D	MINOR DRAFTING MODIFICATIONS, DELETED NOTE 8 MINOR DRAFTING MODIFICATIONS UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	16-05-07 09-12-09 21-05-24	(PIPE CULVERT UP TO 600mm Ø AND BOX CULVERTS UP TO 600mm Ø WIDE)	DRAWN DATE: FEB 2024	
Eug					DEX GOLVERNO OF TO GOODHING WIDE)	REVISION: D	
ame: M:\					wyndhamcity 45 PRINCES HIGHWAY WERRIBEE, VIC 3030 TEL: 1300 023 411 wyndham.vic.gov.au	DRAWING NO.: SD6-14	
	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE.						

- -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.
- -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).



SUBSURFACE DRAIN AT INTERSECTING PAVEMENTS



TEMPORARY EDGE STRIP

NOTES:

2025)

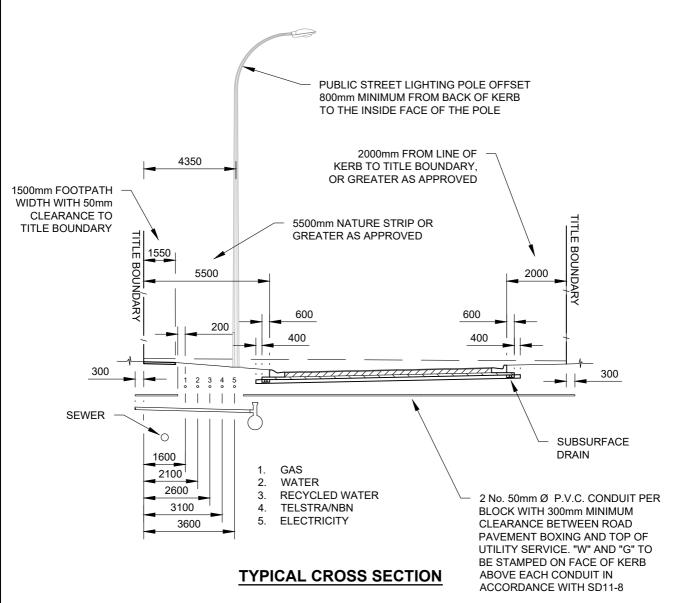
- PAVEMENT PERMEABLE SUB-BASE TO EXTEND OVER AGRICULTURAL DRAINS .
- THICKNESS OF PERMEABLE SUB-BASE AND SHOULDER AS PER DRAWINGS. 2
- 3. MINIMUM GRADE OF SUBSURFACE DRAINS TO BE 1 IN 300.
- WHERE AGRICULTURAL DRAINS TO BE PROVIDED UNDER KERB, NO FINES CONCRETE TO BE 4. USED AS BACKFILL.
- TEMPORARY SUBSURFACE DRAIN & KERB TO BE REMOVED WHEN FUTURE PAVEMENT IS BEING CONSTRUCTED.

inces\WCC Standard Drawings\SD7-2.dwg (27 Mar, 2	300 A	00mmØ CLASS 1000 ERFORATED UPVC IGRICULTURAL PIPE VITH FILTER SOCK
Refere	TEMPORARY EDGE STRIP	
Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD7-2.dwg	NOTES: 1. PAVEMENT PERMEABLE SUB-BASE TO EXTEND OVER AGRICULTURAL DRAINS. 2. THICKNESS OF PERMEABLE SUB-BASE AND SHOULDER AS PER DRAWINGS. 3. MINIMUM GRADE OF SUBSURFACE DRAINS TO BE 1 IN 300. 4. WHERE AGRICULTURAL DRAINS TO BE PROVIDED UNDER KERB, NO FINES CONCRETE TO USED AS BACKFILL. 5. TEMPORARY SUBSURFACE DRAIN & KERB TO BE REMOVED WHEN FUTURE PAVEMENT IS CONSTRUCTED.	BEING
	A DELETED AND EDITED NOTES, ADDED 3% 2204-2007 SUBSURFACE DRAINAGE 10 06 2007 SUBSURFACE DRAINAGE	CAD FILE: SD7-2.DWG
ginee	B MINOR DRAFTING MODIFICATIONS 19-06-2007 C MINOR DRAFTING MODIFICATIONS 12-01-2010 D UPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI Z1-05-24 M.BRIGANDI	DRAWN DATE: FEB 2024
:\Eng	E MINOR DRAFTING UPDATES M.BRIGANDI 27-03-25	REVISION: E
name: M:\Engineering	wyndhamcity wyndham.vic.gov.au wyndham.vic.gov.au	DRAWING NO.: SD7-2
g ne	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE.	

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.

- 3. CONDUITS TO EXTEND TO 1500mm BEHIND BACK OF KERB. GAS CONDUIT TO EXTEND 300mm INTO THE ALLOTMENT WHERE FOOTPATH IS TO BE CONSTRUCTED AND 300mm PAST OFF STREET PARKING BAYS.
- CONDUITS TO BE 300mm PVC CLASS 12 IN INDUSTRIAL AND COMMERCIAL ESTATES. 4.
- APPROVAL FROM COUNCIL AND THE APPROPRIATE SERVICE AUTHORITY IS REQUIRED FOR CHANGES TO SERVICE OFFSETS.
- WHERE ONE FOOTPATH IS TO BE PROVIDED IT IS TO BE LOCATED ON THE LOW SIDE OF THE STREET UNLESS OTHERWISE SPECIFIED.
- GAS AND WATER ARE TO BE LOCATED ON THE HIGH SIDE OF THE STREET.

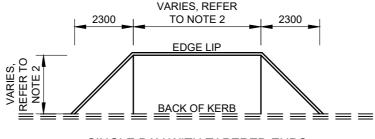
ń										
'n	REV	AMENDMENTS	APPROVAL	DATE		CAD FILE: SD8-1.DWG				
=1	В	MINOR DRAFTING MODIFICATIONS		17-07-07	ROAD & STREET CROSS SECTION	-				
מ	С	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	TYPICAL SERVICE LOCATIONS	DRAWN DATE: FEB 2024				
5						REVISION: C				
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Ď.					wyndhamcity WERRIBEE, VIC 3030 wyndham.vic.gov.au	SD8-1				
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i Silwi	GE	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE. -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.								



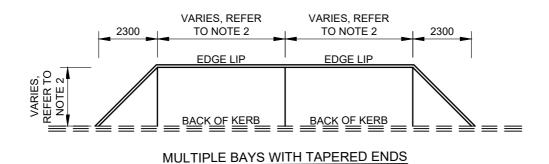
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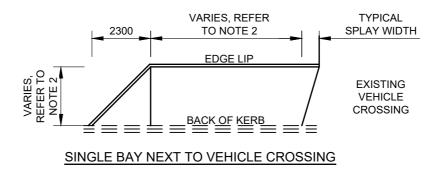
- 1. SERVICE OFFSETS TO BE APPROVED BY SUBDIVISIONS ENGINEER FOR NEW SUBDIVISION WORKS.
- 2. CONDUITS TO EXTEND TO 1500mm BEHIND BACK OF KERB. GAS CONDUIT TO EXTEND 300mm INTO THE ALLOTMENT WHERE FOOTPATH IS TO BE CONSTRUCTED AND 300mm PAST OFF STREET PARKING BAYS.
- 3. CONDUITS TO BE 300mm PVC CLASS 12 IN INDUSTRIAL AND COMMERCIAL ESTATES.
- APPROVAL FROM COUNCIL AND THE APPROPRIATE SERVICE AUTHORITY IS REQUIRED IF THERE ARE ANY CHANGES TO SERVICE OFFSETS.
- 5. CRUSHED ROCK BACKFILL FOR GAS & WATER TRENCH.

Se								
ineering 5	REV	AMENDMENTS	APPROVAL	DATE	ROAD & STREET CROSS SECTION	CAD FILE: SD8-1B.DWG		
드	В	SERVICE OFFSETS CHANGED		20-01-10	TYPICAL SERVICE LOCATIONS			
a	С	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24		DRAWN DATE: FEB 2024		
<u>ĕ</u>	D	MINOR DRAFTING UPDATES	M.BRIGANDI	10-09-24	(LOOP ROAD ABUTTING ARTERIAL/MAIN ROAD)			
Eng						REVISION: D		
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ame	\rightarrow				city. coast. country	300-10		
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wing n	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALEALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATEDFOR JUST TO DATE DRAWINGS OF JEASE CHECK MANIPHAM CITY COUNCIL MEDISTE							



SINGLE BAY WITH TAPERED ENDS



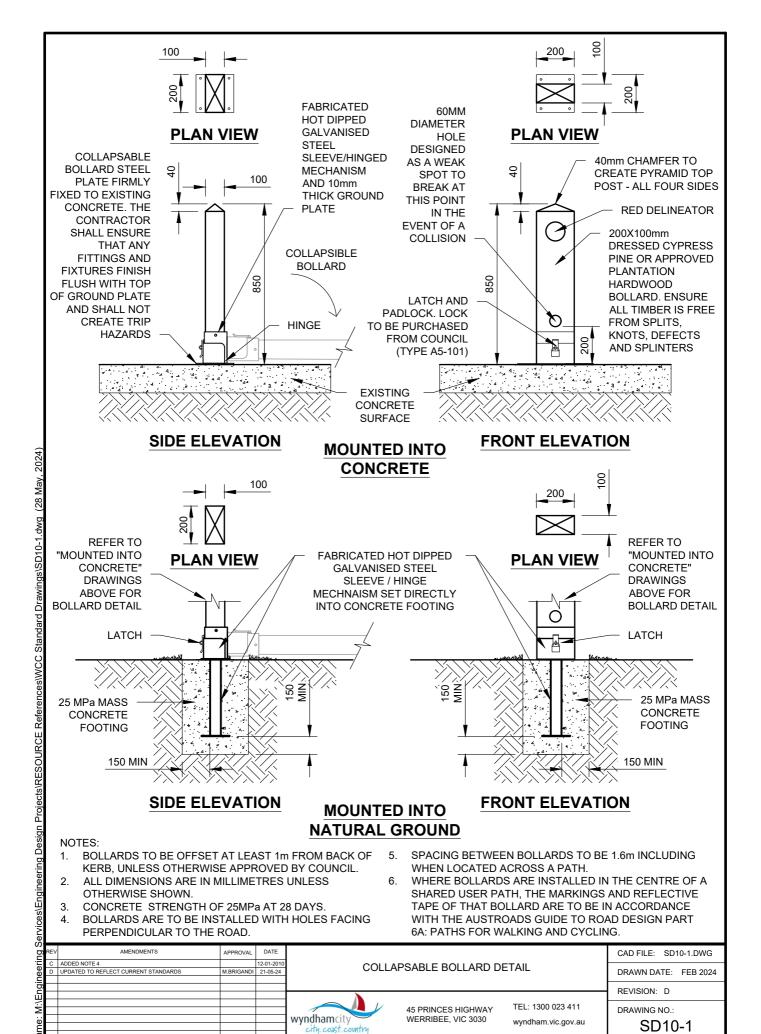


NOTE:

- ON-STREET PARKING BAYS TO BE CONSTRUCTED IN ACCORDANCE WITH SD11-6. 1.
- PARKING BAY DIMENSIONS FOR ALL TYPES, INCLUDING ACCESSIBLE, PARALLEL AND ANGLED PARKING BAYS, ARE TO BE DESIGNED IN ACCORDANCE WITH AS2890.5.
- NEATLY TRANSITION PARKING BAY, INCLUDING EDGE LIP, TO MATCH LEVELS OF ABUTTING VEHICLE CROSSINGS AND/OR KERBS.

n.										
1	REV	AMENDMENTS	APPROVAL	DATE						
Ę	В	DELETED (NOTE 3), MINOR DRAFTING MODIFICATIONS		17-07-07	ON	CTDEET CAD DADKIN	IC			
b	С	TAPER ADDED TO PARKING BAY NEXT TO CROSSOVER		09-12-09	ON	ON-STREET CAR PARKING				
3	D	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24		<u> </u>				
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'n					wyndhamcity	WERRIBEE, VIC 3030	wyndham.vic.gov.au	0004		
ĺ					city, coast, country		wynanam.vio.gov.da	SD9-1		
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-	GI	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE.								

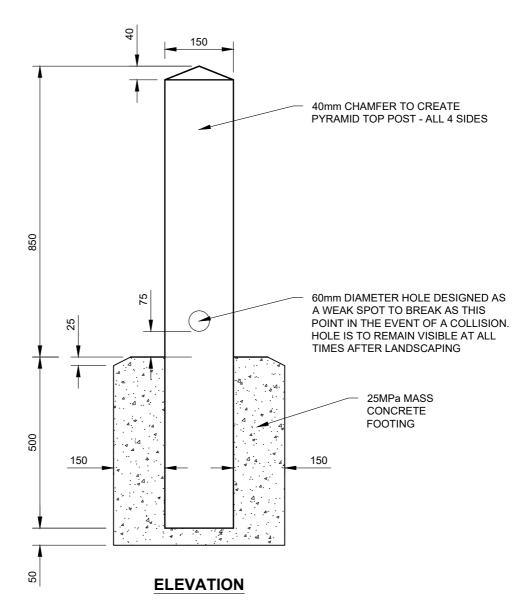
- -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.
- -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE)



GENERAL NOTES:

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-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
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-ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE)

PLAN OF BOLLARD

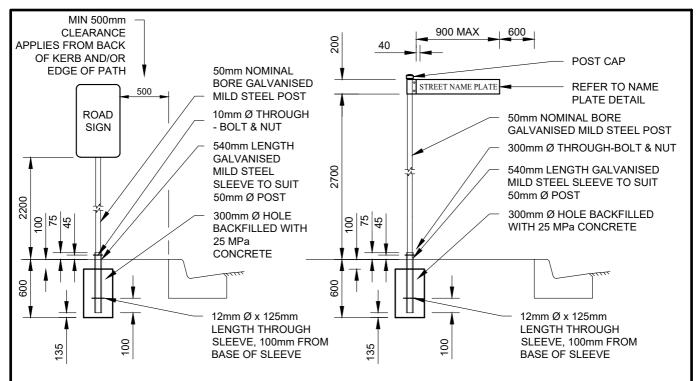


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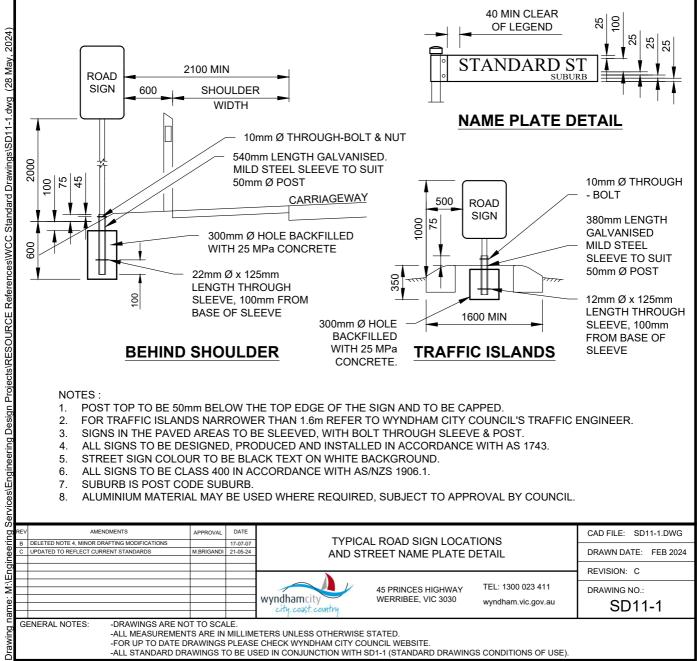
- BOLLARDS TO BE OFFSET AT LEAST 1m FROM BACK OF KERB.
- ALL DIMENSIONS ARE IN MILLIMETRES.
- CONCRETE STRENGTH OF 25MPa AT 28 DAYS.
- BOLLARDS ARE TO BE INSTALLED WITH HOLES PERPENDICULAR TO THE DIRECTION OF TRAFFIC. 4.
- SPACING BETWEEN BOLLARDS TO BE 1.6m INCLUDING WHEN LOCATED ACROSS A PATH.
- DELINEATION AS PER SD10-1 PROVIDED WHEN IN THE VICINITY OF SUP'S OR CYCLE PATH OR AS DIRECTED.
- BOLLARDS SHALL BE MADE FROM COMPOSITE MATERIAL, RECYCLED PLASTIC OR FSC TIMBER AS APPROVED BY COUNCIL

(28 May, 2024)	850 850						
Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD10-2.dwg(28	60mm DIAMETER HOLE DESA WEAK SPOT TO BREAK A POINT IN THE EVENT OF A HOLE IS TO REMAIN VISIBLI TIMES AFTER LANDSCAPIN 25MPA MASS CONCRETE FOOTING 150 150	AS THIS COLLISION. LE AT ALL					
rojects\RE	ELEVATION						
ervices\Engineering Design P	NOTES: 1. BOLLARDS TO BE OFFSET AT LEAST 1m FROM BACK OF KERB. 2. ALL DIMENSIONS ARE IN MILLIMETRES. 3. CONCRETE STRENGTH OF 25MPa AT 28 DAYS. 4. BOLLARDS ARE TO BE INSTALLED WITH HOLES PERPENDICULAR TO THE DIRECTION OF TRAFFIC. 5. SPACING BETWEEN BOLLARDS TO BE 1.6m INCLUDING WHEN LOCATED ACROSS A PATH. 6. DELINEATION AS PER SD10-1 PROVIDED WHEN IN THE VICINITY OF SUP'S OR CYCLE PATH OR AS DIF 7. BOLLARDS SHALL BE MADE FROM COMPOSITE MATERIAL, RECYCLED PLASTIC OR FSC TIMBER AS APPROVED BY COUNCIL						
Engineering S		FILE: SD10-2.DWG					
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g name: M:\	45 PRINCES HIGHWAY TEL: 1300 023 411 Wyndham.vic.gov.au Wyndham.vic.gov.au GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE.	WING NO.: SD10-2					

- -DAWINGS ARE NOT TO SCALE.
 -ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.
- -ALL STANDARD DRAWINGS TO BE USED IN CONJUNCTION WITH SD1-1 (STANDARD DRAWINGS CONDITIONS OF USE).



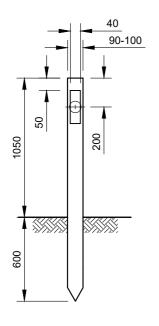
BEHIND BACK OF KERB AND CHANNEL



NOTES:

- POST TOP TO BE 50mm BELOW THE TOP EDGE OF THE SIGN AND TO BE CAPPED.
- FOR TRAFFIC ISLANDS NARROWER THAN 1.6m REFER TO WYNDHAM CITY COUNCIL'S TRAFFIC ENGINEER.
- SIGNS IN THE PAVED AREAS TO BE SLEEVED. WITH BOLT THROUGH SLEEVE & POST. 3.
- ALL SIGNS TO BE DESIGNED, PRODUCED AND INSTALLED IN ACCORDANCE WITH AS 1743. 4
- STREET SIGN COLOUR TO BE BLACK TEXT ON WHITE BACKGROUND. 5.
- ALL SIGNS TO BE CLASS 400 IN ACCORDANCE WITH AS/NZS 1906.1. 6.
- 7. SUBURB IS POST CODE SUBURB.
- ALUMINIUM MATERIAL MAY BE USED WHERE REQUIRED, SUBJECT TO APPROVAL BY COUNCIL.

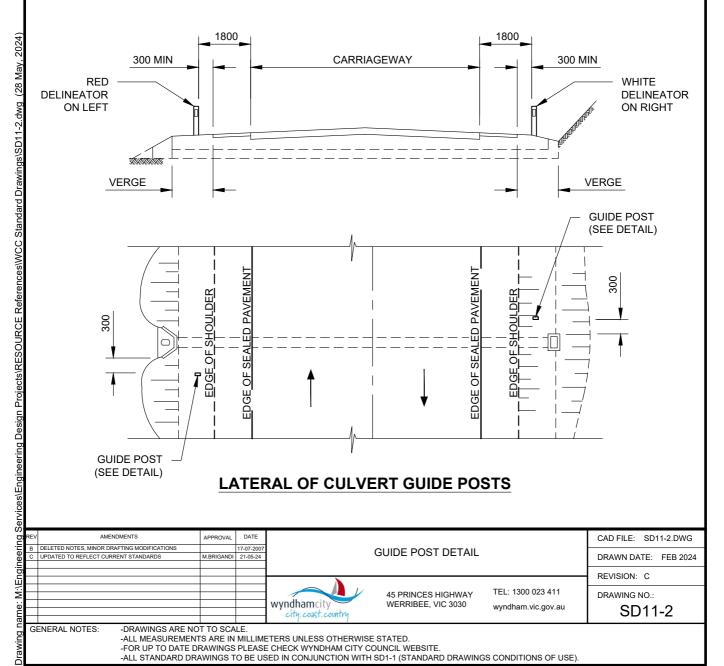
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ng	REV	AMENDMENTS	APPROVAL	DATE	TYPICAL ROAD SIGN LOCATIONS	CAD FILE: SD11-1.DWG				
eerii	В	DELETED NOTE 4, MINOR DRAFTING MODIFICATIONS		17-07-07						
ě	С	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	AND STREET NAME PLATE DETAIL		DRAWN DATE: FEB 2024			
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NOTES:

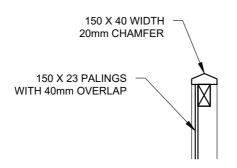
- GUIDE POST TO BE FLEXIBLE PLASTIC OR FLEXIBLE STEEL POST AS APPROVED BY COUNCIL.
- FOR DETAILS OF GUIDE POST SPACING AND SPECIAL TREATMENTS AT BRIDGES AND CULVERTS, REFER TO VICROADS TRAFFIC ENGINEERING MANUAL - VOLUME 2 PART 2.02.
- DELINEATORS TO BE RED ON LEFT SIDE OF THE ROAD AND WHITE ON THE RIGHT SIDE OF THE ROAD.
- 4. ALL GUIDE POSTS TO BE INSTALLED IN ACCORDANCE WITH WCC SPECIFICATION SECTION 709.
- THE STANDARD DELINEATOR IS THE 80mm dia. CIRCULAR CORNER-CUBE TYPE, RED OR WHITE, CONFORMING WITH THE DISCRETE DEVICE TYPE DELINEATOR AS SPECIFIED IN AS/NZS 1906.2.
- SHEETING TYPE DELINEATORS SHALL HAVE A TOTAL MINIMUM REFLECTIVE OUTPUT EQUIVALENT TO 100cm² OF CLASS 1A RETROREFLECTIVE MATERIAL AS DEFINED IN AS/NZS 1906.2. THE WIDTH OF REFLECTIVE MATERIAL SHALL BE 40mm MINIMUM. ONLY ONE TYPE OF DELINEATOR SHALL BE USED AT ANY ONE LOCATION. RETROREFLECTIVE MATERIAL TO BE PLACED IN MANUFACTURES PREFERRED ORIENTATION TO GIVE OPTIMUM PERFORMANCE.
- WHERE LOCATED ON A KERBED CARRIAGEWAY, GUIDE POSTS SHALL BE INSTALLED 600mm BEHIND FACE OR KERB.

GUIDE POSTS DETAILS

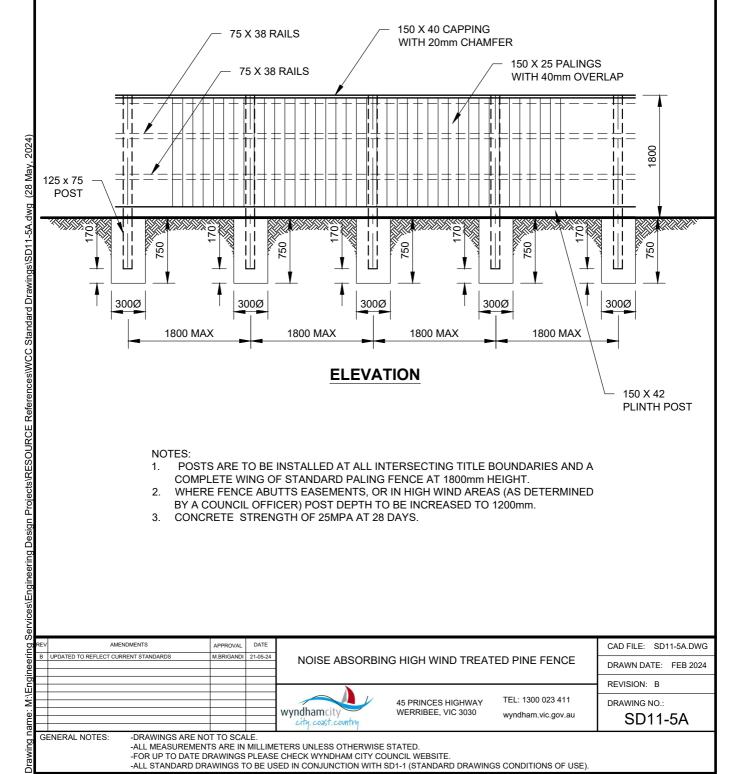


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מוום. ואוי				wyndhamcity 45 PRINCES HIGHW WERRIBEE, VIC 30:		DRAWING NO.: SD11-2
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-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.



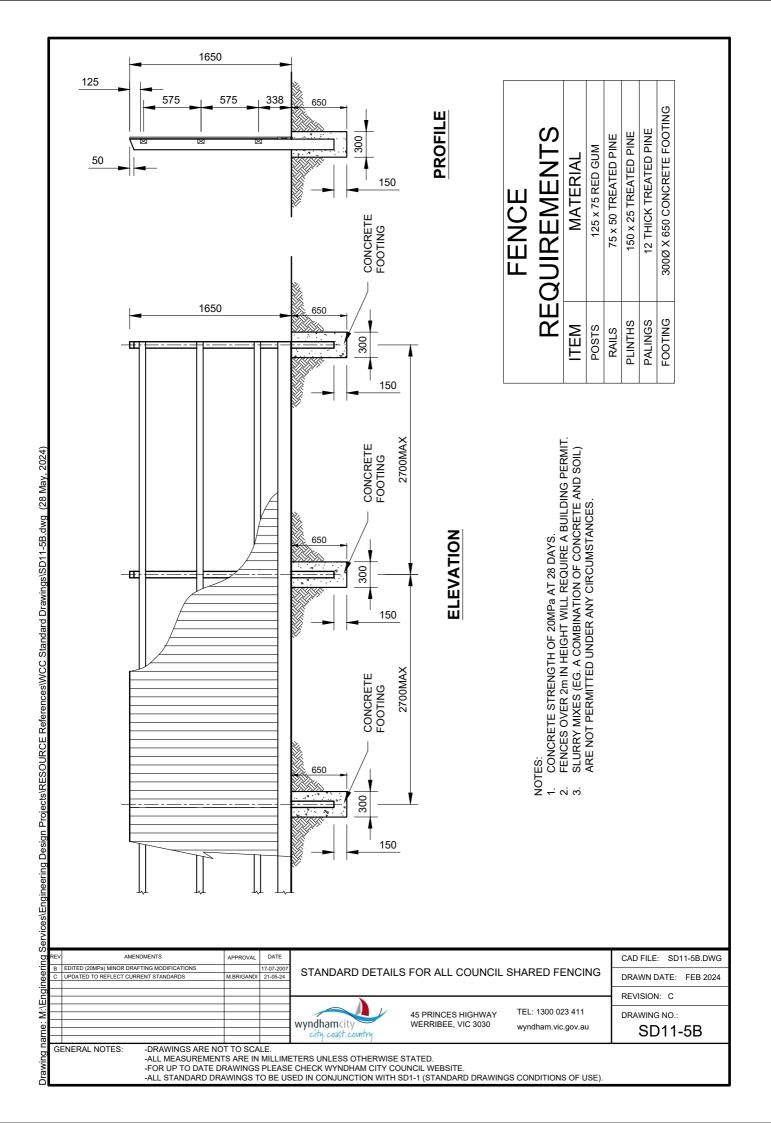
SIDE VIEW

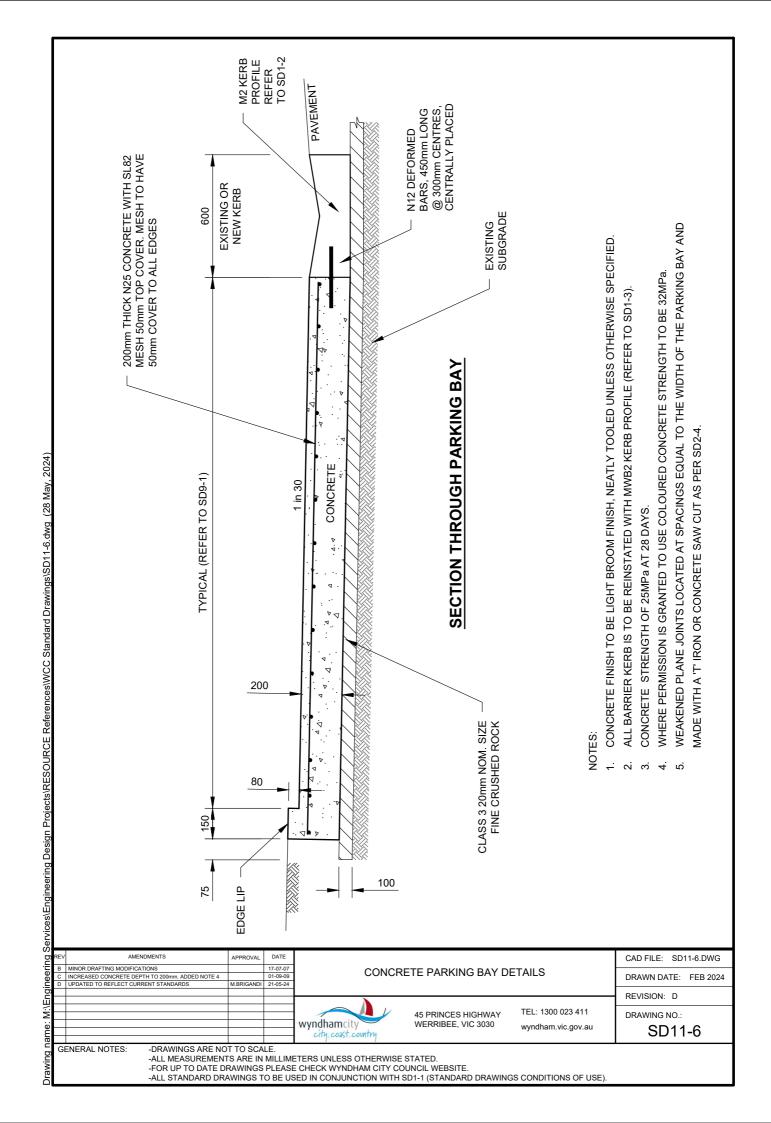


NOTES:

- POSTS ARE TO BE INSTALLED AT ALL INTERSECTING TITLE BOUNDARIES AND A COMPLETE WING OF STANDARD PALING FENCE AT 1800mm HEIGHT.
- WHERE FENCE ABUTTS EASEMENTS, OR IN HIGH WIND AREAS (AS DETERMINED BY A COUNCIL OFFICER) POST DEPTH TO BE INCREASED TO 1200mm.
- CONCRETE STRENGTH OF 25MPA AT 28 DAYS.

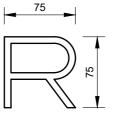
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5 RE	EV AMENDMENTS	APPROVAL	DATE		CAD FILE: SD11-5A.DWG				
ngineeri	B UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	NOISE ABSORBING HIGH WIND TREATED PINE FENCE	DRAWN DATE: FEB 2024				
5					REVISION: B				
ame: M:\r				wyndhamcity WERRIBEE, VIC 3030 Wyndham.vic.gov.au	DRAWING NO.: SD11-5A				
	GENERAL NOTES: -DRAWINGS ARE NOT TO SCALEALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATEDFOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WERSITE								





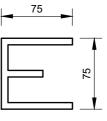
RECYCLED WATER SERVICE

THIS SYMBOL SHALL BE MARKED ON THE FACE OF THE KERB IMMEDIATELY ABOVE THE POSITION WHERE A RECYCLED WATER SERVICE CONDUIT IS PLACED.



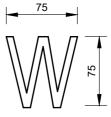
ELECTRICAL SERVICE

THIS SYMBOL SHALL BE MARKED ON THE FACE OF THE KERB IMMEDIATELY ABOVE THE POSITION WHERE AN ELECTRICAL SERVICE CONDUIT IS PLACED.



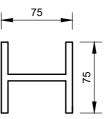
WATER SERVICE

THIS SYMBOL SHALL BE MARKED ON THE FACE OF THE KERB IMMEDIATELY ABOVE THE POSITION WHERE A WATER SERVICE CONDUIT IS PLACED ACROSS THE ROADWAY.



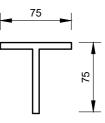
PROPERTY STORMWATER CONNNECTION

THIS SYMBOL SHALL BE MARKED ON THE FACE OF THE KERB IN LINE WITH THE POSITION WHERE A PROPERTY STORMWATER CONNECTION IS PROVIDED TO AN UNDERGROUND STORMWATER PIPE OR PIT.



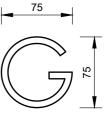
TELECOMMUNICATION SERVICE

THIS SYMBOL SHALL BE MARKED ON THE FACE OF THE KERB IMMEDIATELY ABOVE THE POSITION WHERE A TELECOMMUNICATIONS SERVICE CONDUIT IS PLACED.



GAS SERVICE

THIS SYMBOL SHALL BE MARKED ON THE FACE OF THE KERB IMMEDIATELY ABOVE THE POSITION WHERE A GAS SERVICE CONDUIT IS PLACED.

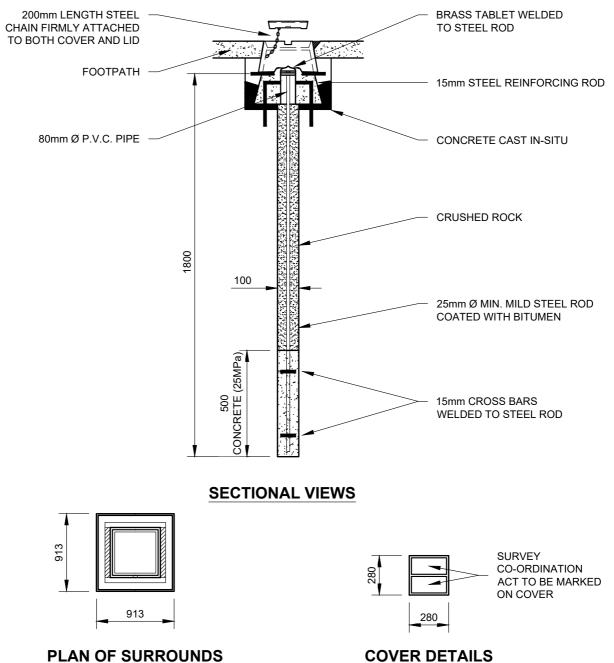


NOTE:

1. WIDTH AND DEPTH OF LETTERS TO BE 2-5mm.

3	REV		APPROVAL	DATE		SERVICE CONDUIT MARKINGS					
5	_	MINOR DRAFTING MODIFICATIONS UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	17-07-07	SERV						
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ź	GE	ENERAL NOTES: -DRAWINGS ARE NO	T TO SCA	LE.							

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.



COVER DETAILS

COVER AND LID FOR SURVEY MARKS TYPE A1

NOTES:

- PSM TO BE LOCATED WITHIN FOOTPATH AREA. 1.
- LEVEL TO BE REDUCED TO A.H.D.
- REFERENCE TO BE A.M.G COORDINATES.
- CONCRETE STRENGTH OF 25MPa AT 28 DAYS.
- LEVEL AND COORDINATES TO BE LODGED WITH THE RELEVANT STATE GOVERNMENT DEPARTMENT.

RΕV	AMENDMENTS	APPROVAL	DATE		CAD FILE: SD11-10.DWG
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С	UPDATED TO REFLECT CURRENT STANDARDS	M.BRIGANDI	21-05-24	PERMANENT SURVET MARK HIGH STABILITY	DRAWN DATE: FEB 2024
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	_	B MINOR DRAFTING MODIFICATIONS C UPDATED TO REFLECT CURRENT STANDARDS	B MINOR DRAFTING MODIFICATIONS	B MINOR DRAFTING MODIFICATIONS 17-07-07	B MINOR DRAFTING MODIFICATIONS 17-07-07 C UPDATED TO REFLECT CURRENT STANDARDS M.BRIGANDI 21-05-24 PERMANENT SURVEY MARK HIGH STABILITY 45 PRINCES HIGHWAY TEL: 1300 023 411

GENERAL NOTES: -DRAWINGS ARE NOT TO SCALE.

Drawing name: M:\Engineering Services\Engineering Design Projects\RESOURCE References\WCC Standard Drawings\SD11-10.dwq (28 May, 2024)

-ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS OTHERWISE STATED. -FOR UP TO DATE DRAWINGS PLEASE CHECK WYNDHAM CITY COUNCIL WEBSITE.