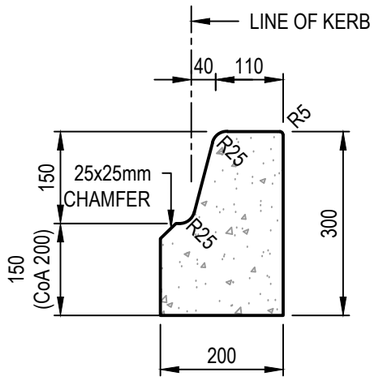
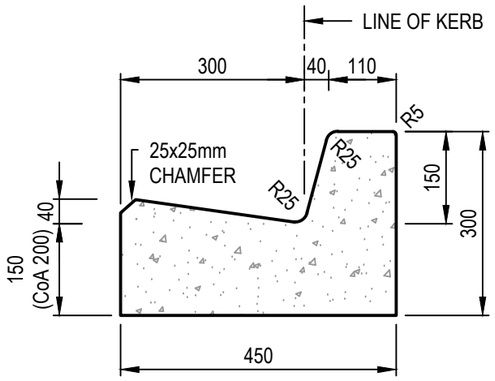


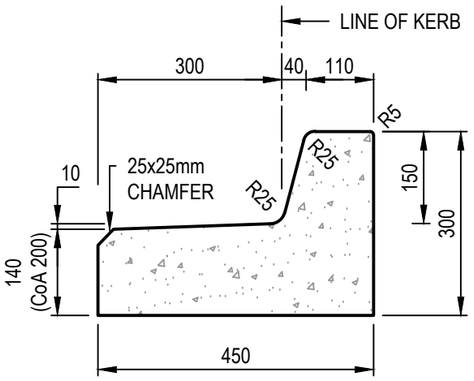
150mm BARRIER KERB ONLY

①



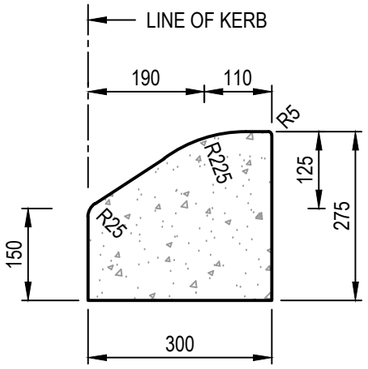
150mm BARRIER KERB AND WATER TABLE

②



150mm BARRIER KERB AND TRAY

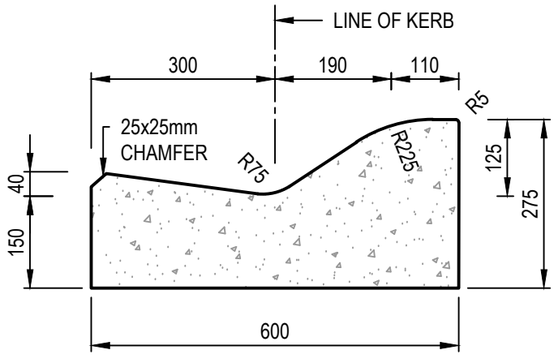
③



SEMI-MOUNTABLE KERB ONLY

*NOT TO BE USED FOR PROPERTY ACCESS OR AT BUS STOPS

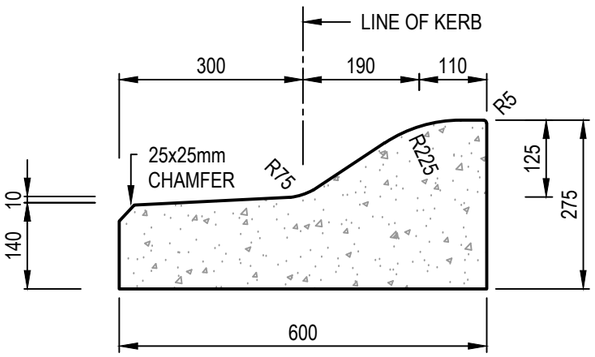
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SEMI-MOUNTABLE KERB AND WATERTABLE

*NOT TO BE USED FOR PROPERTY ACCESS OR AT BUS STOPS

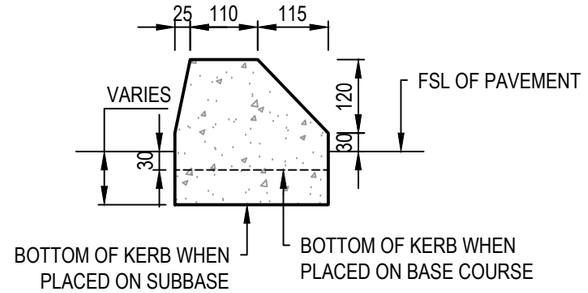
⑤



SEMI-MOUNTABLE KERB AND TRAY

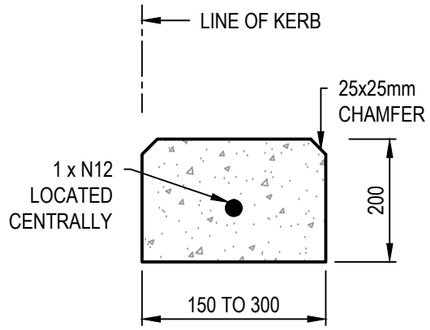
*NOT TO BE USED FOR PROPERTY ACCESS OR AT BUS STOPS

⑥



MEDIAN KERB

⑦

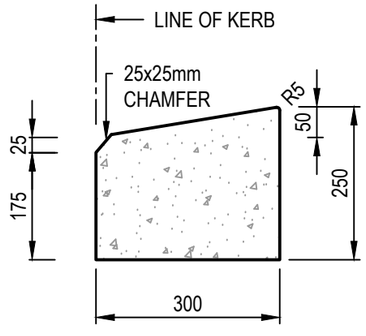


EDGE STRIP

⑧

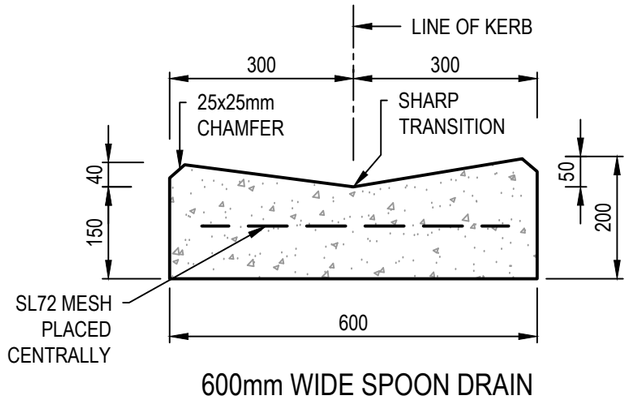
NOTES:

1. CONCRETE SHALL BE NORMAL CLASS N25 STANDARD STRENGTH GRADE COMPLYING WITH THE REQUIREMENTS OF AS. 1379.
2. BEDDING TO BE PM2 / 20 QG COMPACTED TO 96% MMDD TO AS1289 METHOD 5.2.1. BEDDING TO EXTEND MIN. 300mm BEHIND BACK OF KERB. THICKNESS MIN. 100mm TO MATCH EXISTING PAVEMENT SUBBASE, WHICHEVER IS GREATER. PM2 / 20 RG TO BE USED ONLY WHEN SPECIFICALLY APPROVED BY COUNCIL
3. CONCRETE TO BE SMOOTH TROWELLED FINISHED ON TRAY AND KERB.
4. CONCRETE SPONGE FINISHED ON LAYBACK.
5. SHRINKAGE CONTROL JOINTS (TOOLED JOINT) LOCATED AT 2500mm MAXIMUM SPACING. MIN. 50% OF SECTION AREA TO BE CUT. FINISHED WITH TOOLED JOINT 20mm DEPTH TO PRODUCE NEAT GROOVE NOT LESS THAN 5mm WIDE.
6. CONSTRUCTION JOINTS AS REQUIRED TO BE IN ACCORDANCE WITH AS 2876-2000.
7. LINE OF KERB IS USED TO DETERMINE CARRIAGEWAY WIDTHS.
8. WHERE ADJACENT PAVEMENT IS BLOCK PAVED OR CONCRETE, DELETE 25 x 25mm CHAMFER AND REPLACE WITH R5.
9. BACKFILL BEHIND KERB UNTIL FLUSH WITH COMPACTED APPROVED IN-SITU SITE MATERIAL OR PM2 / 20 QG COMPACTED TO 95% MMDD TO AS1289 METHOD 5.2.1.
10. COA = CITY OF ADELAIDE



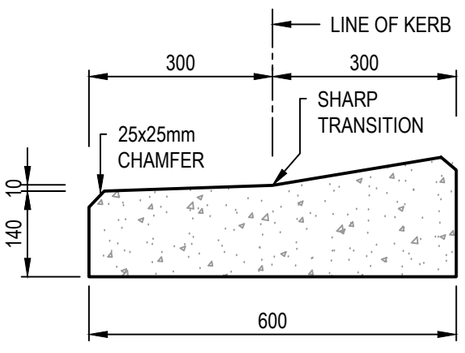
MOUNTABLE KERB

⑨



600mm WIDE SPOON DRAIN

⑩



MOUNTABLE KERB AND TRAY

⑪

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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INFRASTRUCTURE GUIDELINES (SA)

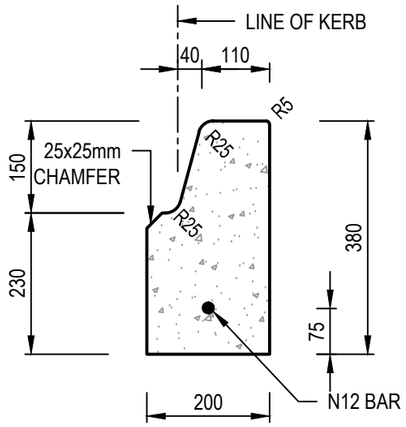
SHEET TITLE

TYPICAL RESIDENTIAL KERB PROFILES

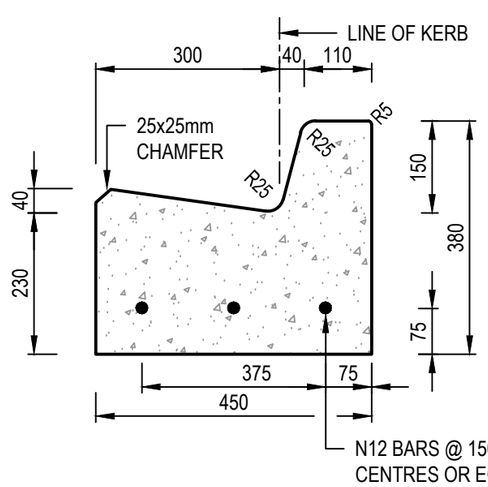
SCALE 1:10 @ A3

DRAWING No. SD 100

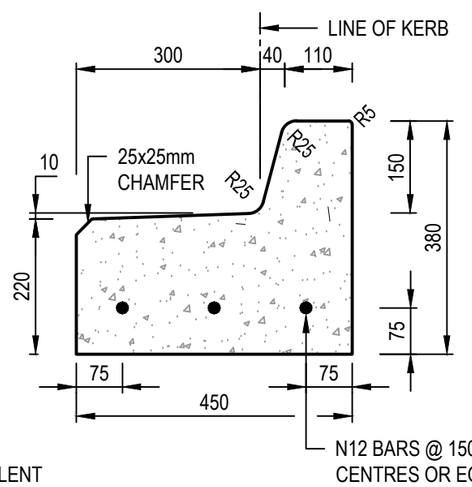
REV D



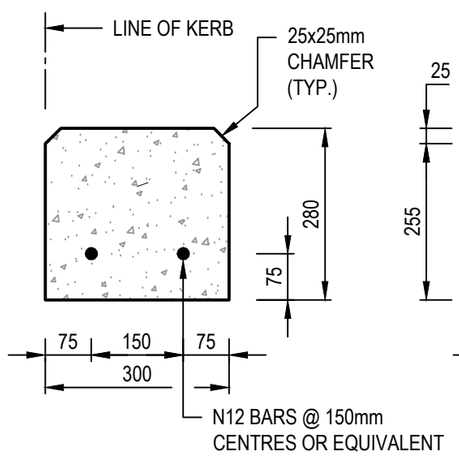
150mm BARRIER KERB ONLY
(INDUSTRIAL)
①



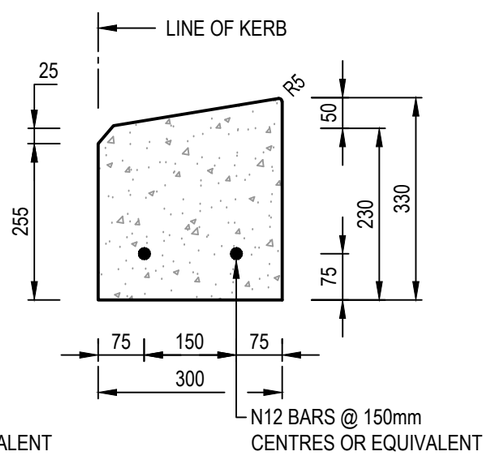
150mm BARRIER KERB AND WATER TABLE
(INDUSTRIAL)
②



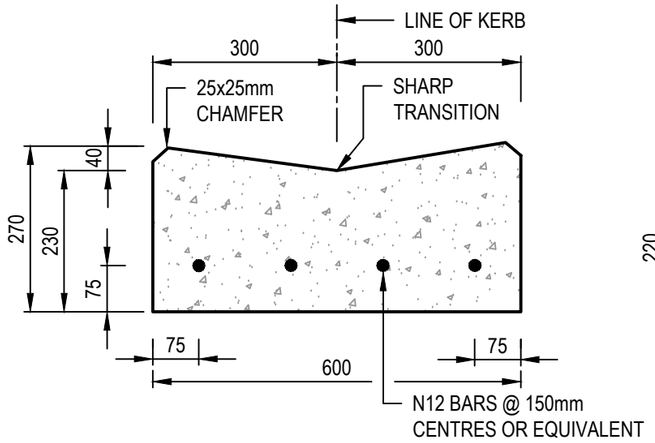
150mm BARRIER KERB AND TRAY
(INDUSTRIAL)
③



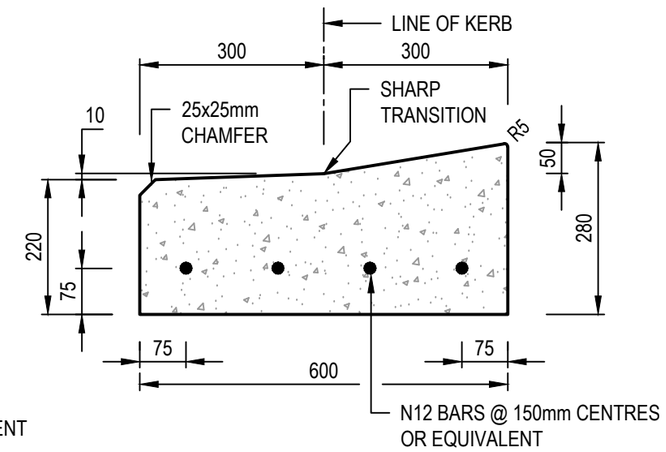
EDGE STRIP
(INDUSTRIAL)
④



MOUNTABLE KERB
(INDUSTRIAL)
⑤



600mm WIDE SPOON DRAIN
(INDUSTRIAL)
⑥



MOUNTABLE KERB AND TRAY
(INDUSTRIAL)
⑦

NOTES:

1. REFER TYPICAL RESIDENTIAL KERB PROFILE DRAWING SD 100

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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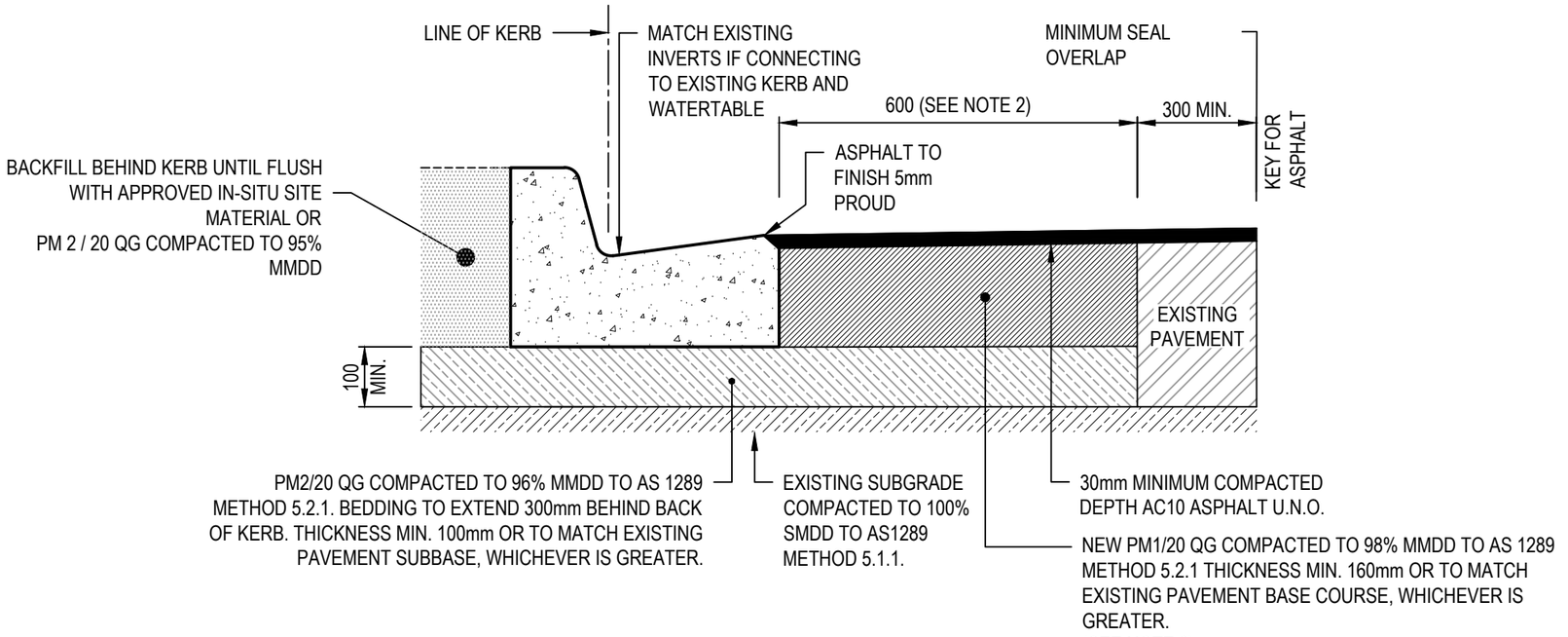
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
TYPICAL INDUSTRIAL KERB PROFILES

SCALE
1:10 @ A3

DRAWING No.
SD 105

REV
D



TYPICAL SECTION

ALL MEASUREMENTS IN MILLIMETRES

NOTES:

1. REFER TO SD 100 OR SD 105 FOR KERB DETAILS.
2. FOR WIDTH MINIMUM OF 100 TO 350mm USE CONTROLLED LOW STRENGTH MATERIAL (CLSM) INFILL.
3. PM 2 / 20 RG TO BE USED INSTEAD OF PM 2 / 20 QG ONLY WHEN SPECIFICALLY APPROVED BY COUNCIL.
4. REFER PAVEMENT DESIGN FOR PAVEMENT THICKNESS

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
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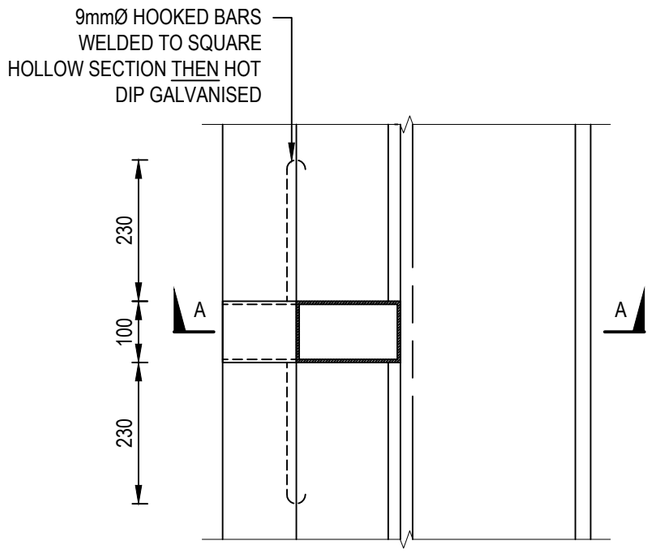
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
KERB & WATERTABLE INSTALLATION ABUTTING EXISTING PAVEMENT

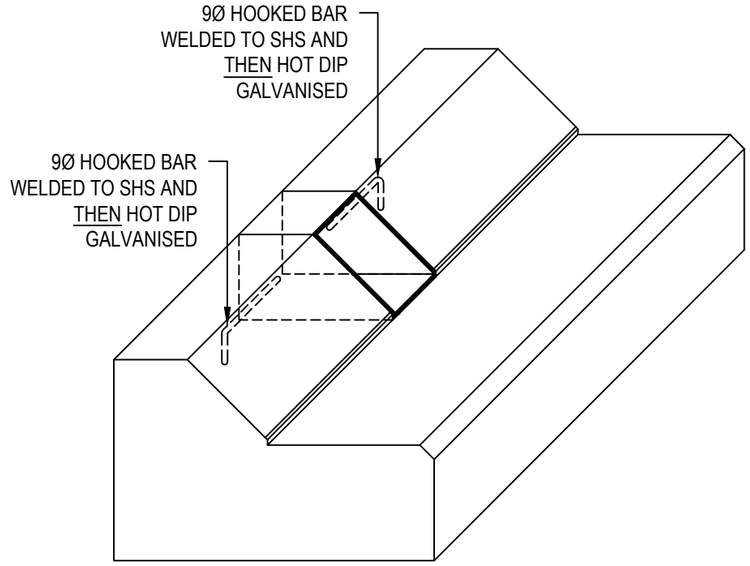
SCALE
1:10 @ A3

DRAWING No.
SD 110

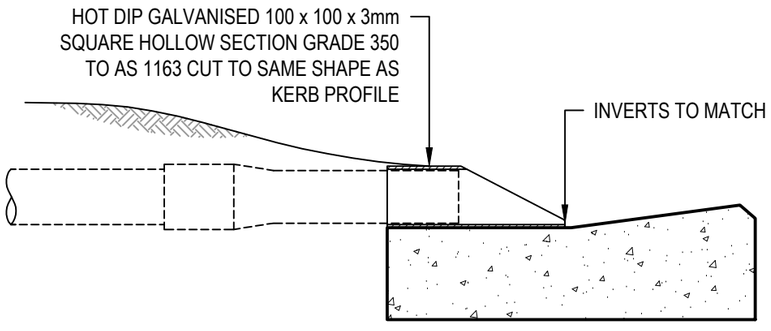
REV
D



RESIDENTIAL STORMWATER OUTLET CONNECTION



STORMWATER OUTLET DETAIL



SECTION
A-A

PROVIDE ONE OUTLET PER 10m OF FRONTAGE
ON LOW SIDE OF LOT (UP TO 2 OUTLETS PER LOT)

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

THIS PROJECT HAS BEEN ASSISTED BY THE LOCAL GOVERNMENT RESEARCH AND DEVELOPMENT SCHEME AND INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

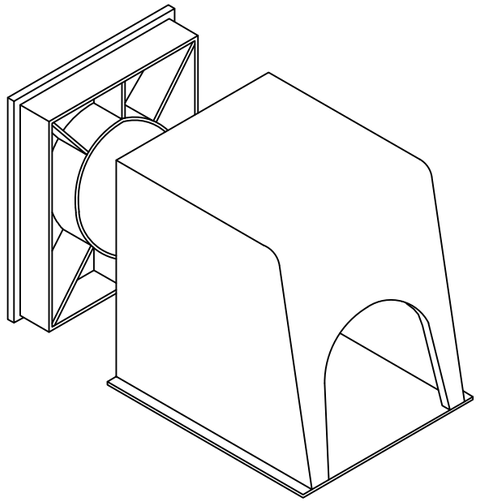
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
STANDARD STORMWATER KERB OUTLET DETAILS - INSTALLED DURING CONSTRUCTION

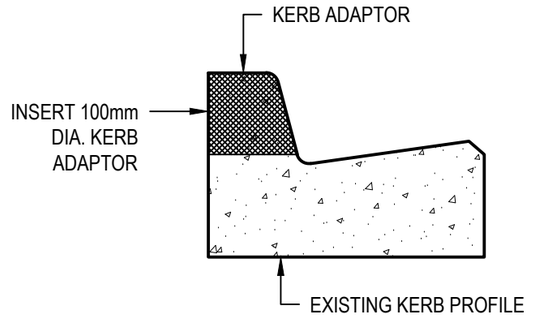
SCALE
1:10 @ A3

DRAWING No.
SD 115

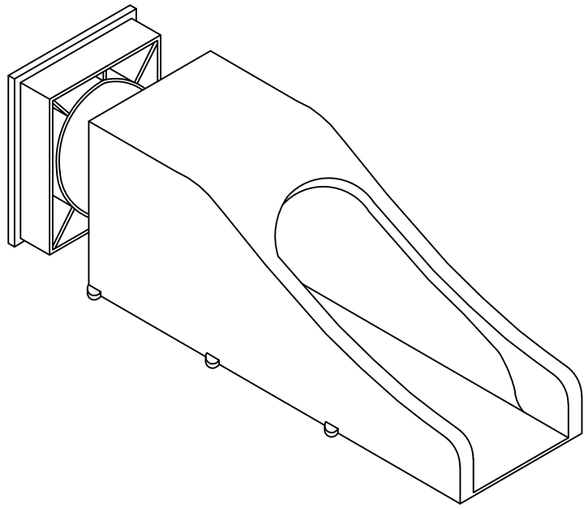
REV
D



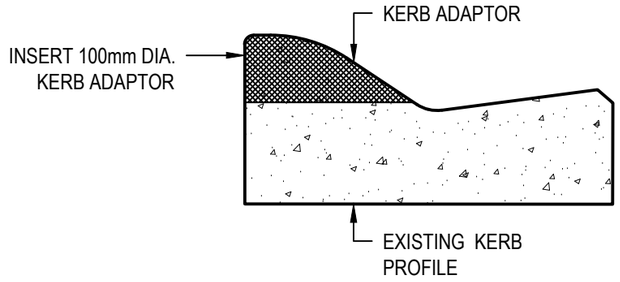
KERB ADAPTOR - UPRIGHT KERB



UPRIGHT KERB WITH KERB ADAPTOR
SECTIONAL VIEW



KERB ADAPTOR - SEMI MOUNTABLE KERB



SEMI MOUNTABLE KERB WITH KERB ADAPTOR
SECTIONAL VIEW

NOTES:

1. ALL KERB ADAPTORS ARE TO BE AN APPROVED PROPRIETARY PRODUCT CONSTRUCTED FROM EITHER HEAVY DUTY UPVC OR HOT DIPPED GALVANIZED MILD STEEL.
2. KERB IS TO BE NEATLY SAW CUT & KERB ADAPTOR EPOXIED INTO POSITION.

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

THIS PROJECT HAS BEEN ASSISTED BY THE LOCAL GOVERNMENT RESEARCH AND DEVELOPMENT SCHEME AND INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

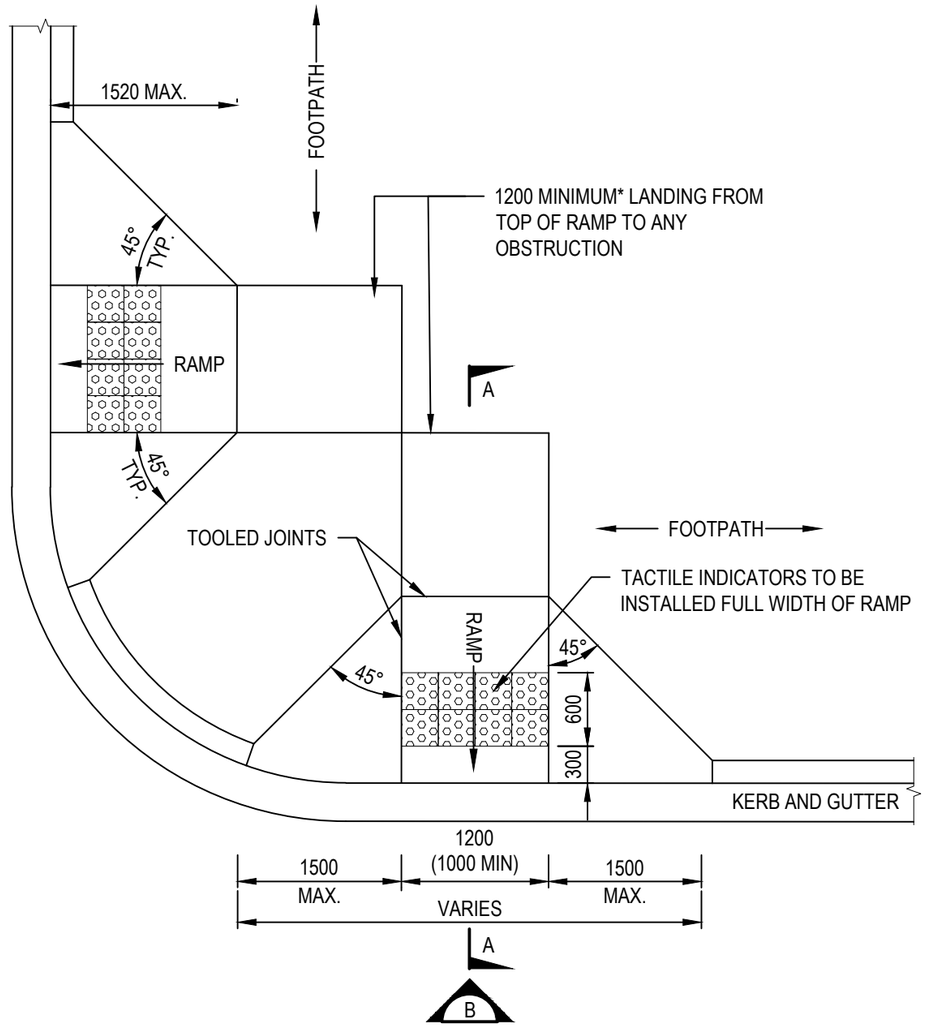
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
STORMWATER KERB OUTLET DETAILS - EXISTING KERB

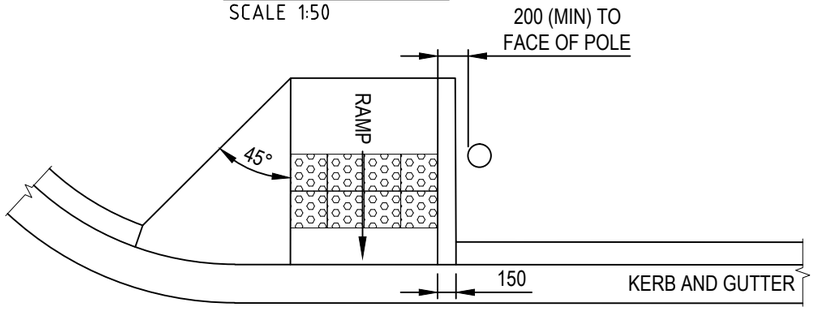
SCALE 1:10 @ A3

DRAWING No. SD 120

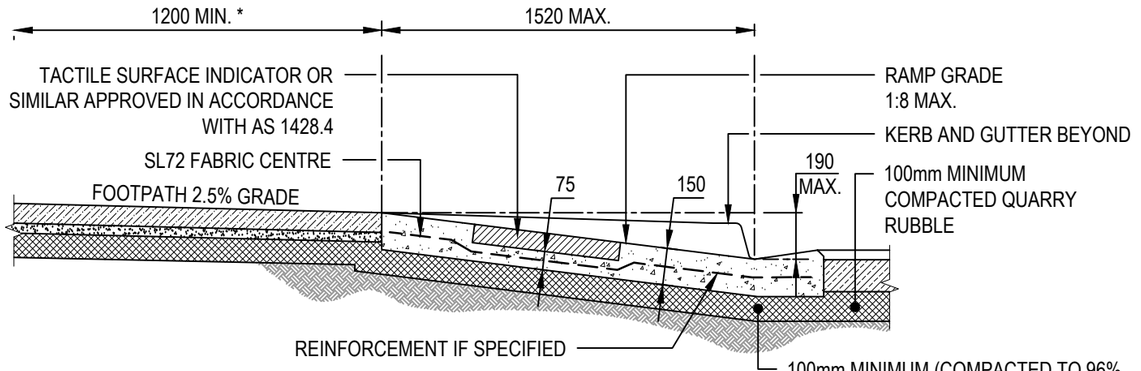
REV B



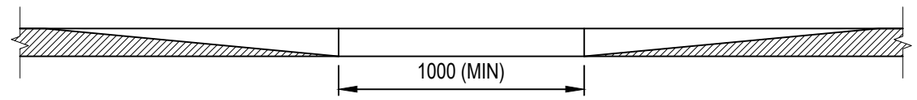
KERB RAMP PLAN
SCALE 1:50



KERB RAMP WITH VERTICAL SIDE - PLAN
SCALE 1:50



SECTION A-A
SCALE 1:20



ELEVATION B
SCALE 1:20

* DENOTES MINIMUM DIMENSION. TO BE 1500 IF A TURN IN DIRECTION OF TRAVEL IS REQUIRED.

NOTES:

1. RAMPS GIVING ACCESS TO ROADWAYS HAVING KERBS EACH SIDE SHALL BE PROVIDED IN PAIRS. ONE IN EACH FOOTWAY AND DIRECTLY OPPOSITE EACH OTHER.
2. RAMPS OR OPENINGS SHALL BE PROVIDED IN ISLANDS WHICH LIE ON THE ROUTE ACROSS THE ROAD. THE OPENING SHALL NOT BE LESS THAN 1000mm WIDE (120mm PREFERRED)
3. TOP AND BOTTOM KERB RAMPS SHALL HAVE A SHARP GRADIENT TRANSITION.
4. THE RAMP AND SLOPING SIDES SHALL BE SLIP RESISTANT WITH TACTILE SURFACE INDICATORS (CONTRASTING COLOUR), TYPE 'B' AND SHALL BE INSTALLED IN ACCORDANCE WITH AS 1428.4-2009.
5. CONCRETE GRADE SHALL BE N32 FOR KERB, GUTTERS AND RAMPS.
6. KERB RAMPS MUST CONFORM WITH AS1428.
7. KERB RAMP WINGS CAN BE STEEPENED AND A HAND RAIL PROVIDED IN LOCATIONS WHERE ACCESS FROM THE SIDES IS NOT POSSIBLE, OR ON CURVES.

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
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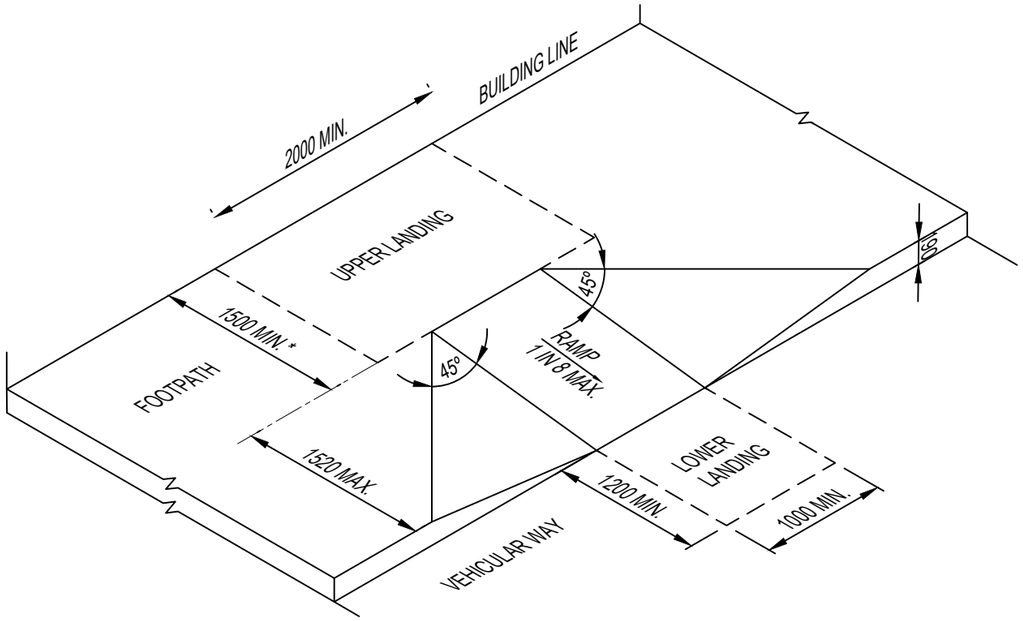
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
KERB RAMP SPECIFICATIONS
SHEET 1 OF 2

SCALE
AS SHOWN @ A3

DRAWING No.
SD 125

REV
D



KERB RAMP ISOMETRIC VIEW

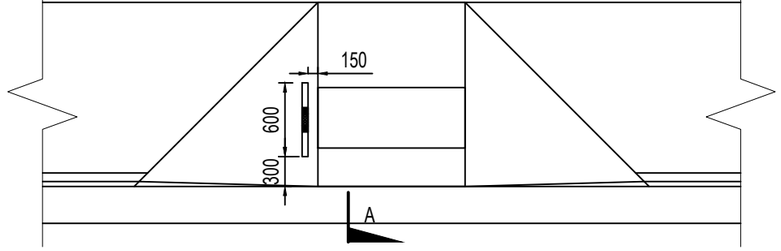
SCALE NTS

* WHERE THERE IS NO TURN INVOLVED, TOP LANDING MAY BE REDUCED TO 1200mm MIN. IN LENGTH

KERB RAMP WITH VERTICAL SIDE - ISOMETRIC VIEW

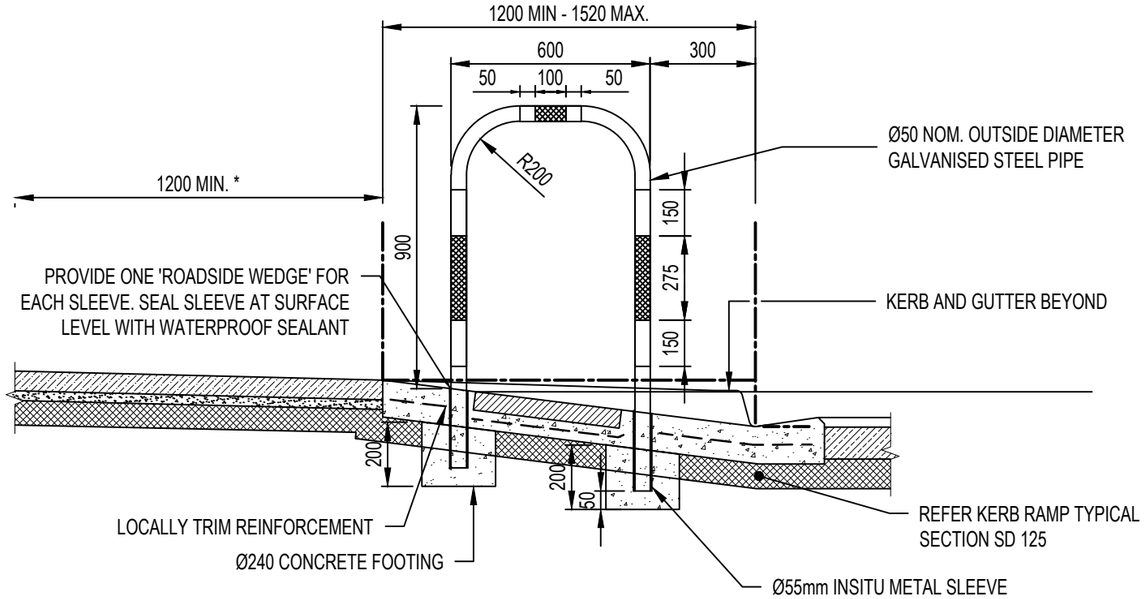
SCALE NTS

* WHERE THERE IS NO TURN INVOLVED, TOP LANDING MAY BE REDUCED TO 1200mm MIN. IN LENGTH



KERB RAMP HAND RAIL DETAIL

SCALE 1:50



SECTION A - A

SCALE 1:20

NOTE:

1. REFER SD 125 FOR DETAILS

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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INFRASTRUCTURE GUIDELINES (SA)

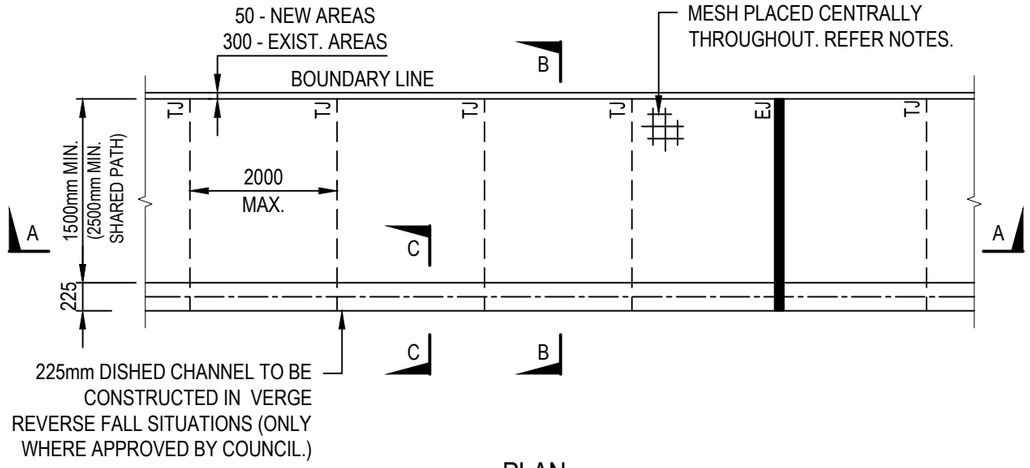
SHEET TITLE

KERB RAMP SPECIFICATIONS
SHEET 2 OF 2

SCALE
NTS @ A3

DRAWING No.
SD 130

REV
C



PLAN

LEGEND:

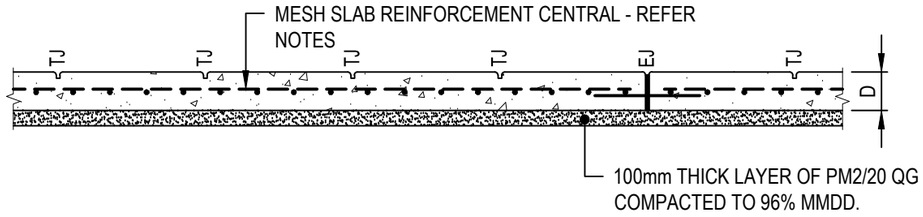
EXPANSION JOINT @ 12m CTS. MAX. — EJ

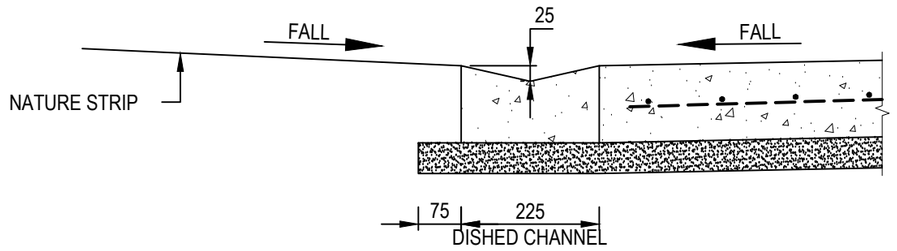
CONTRACTION/TOOLED JOINTS @ 2000mm CTS. MAX. — TJ

ISOLATION JOINT — IJ

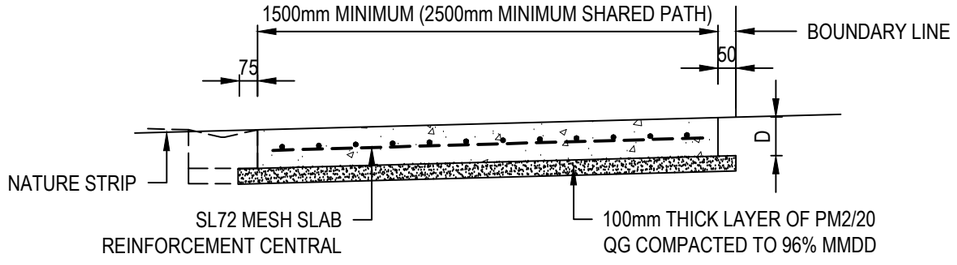
NOTES:

1. 'D' = DEPTH OF CONCRETE FOOTPATH
   - EXISTING RESIDENTIAL: D = 100mm 25MPa WITH SL62.
   - NEW RESIDENTIAL: D = 125mm 25MPa WITH SL72.
   - EXPOSED AGGREGATE D = 125mm 32MPa WITH SL72
   - COMMERCIAL/INDUSTRIAL: D = 150mm 32MPa WITH SL82 (TOP) 50 COVER.
2. REFER SD 210 FOR DETAILS OF JOINT TYPES.
3. ALIGNMENT OF FOOTPATH TO BE SHOWN ON DESIGN PLANS AND APPROVED BY COUNCIL.

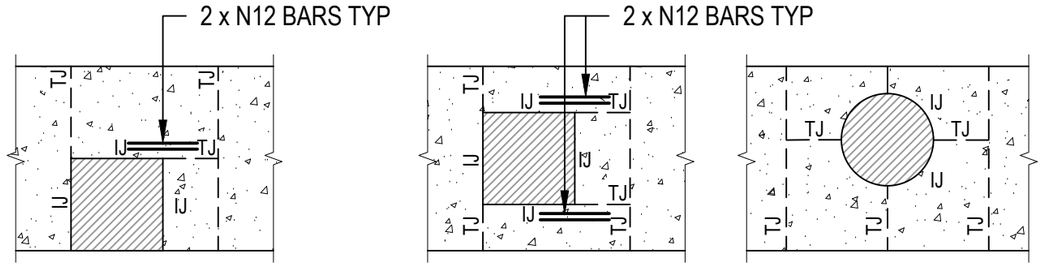




SECTION A-A
TYPICAL 125mm & 150mm FOOTPATH SECTION



SECTION C-C
(ONLY TO BE USED BY COUNCIL APPROVAL)



PIT / ACCESS HOLE AT EDGE (PLAN)

PIT / ACCESS HOLE NOT AT EDGE (PLAN)

SECTION B-B
TYPICAL 125mm & 150mm FOOTPATH SECTION

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	DL	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

THIS PROJECT HAS BEEN ASSISTED BY THE LOCAL GOVERNMENT RESEARCH AND DEVELOPMENT SCHEME AND INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

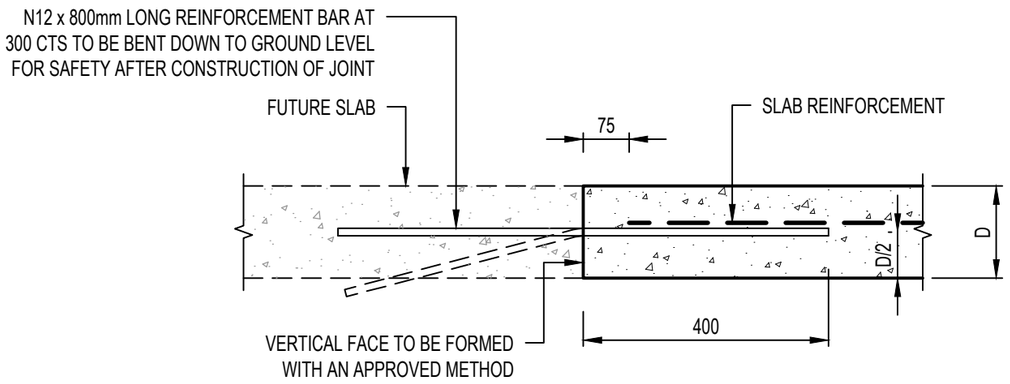
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
TYPICAL CONCRETE FOOTPATH DETAIL - SHEET 1 0F 2

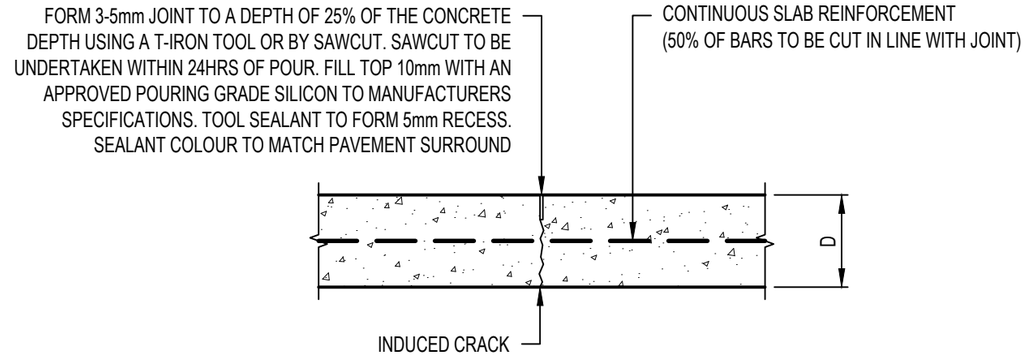
SCALE
NTS @ A3

DRAWING No.
SD 205

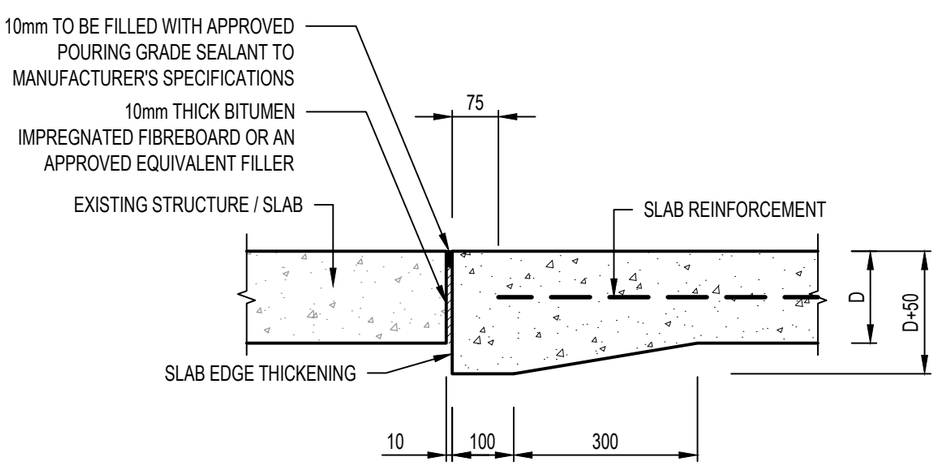
REV
D



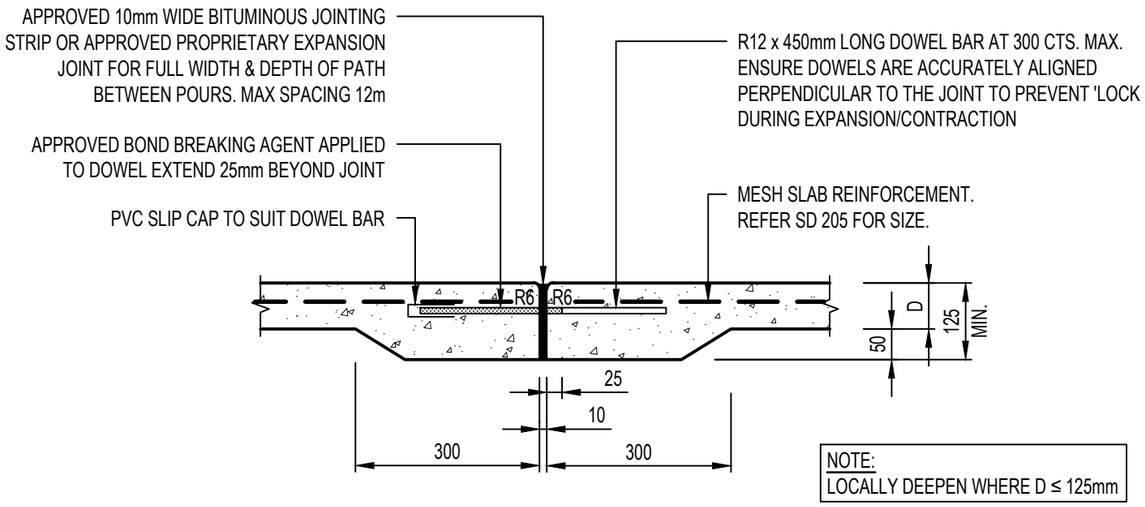
TYPICAL FUTURE CONSTRUCTION JOINT



TYPICAL CONTRACTION / TOOLED JOINT



TYPICAL ISOLATION JOINT SECTION



TYPICAL FOOTPATH EXPANSION JOINT - SECTION

NOTE:

1. PROPRIETARY EXPANSION JOINTS SUCH AS TRIPSTOP CAN BE USED WITH COUNCIL APPROVAL IN REACTIVE SOILS OR WHERE TREE ROOTS MAY AFFECT PATHS.

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
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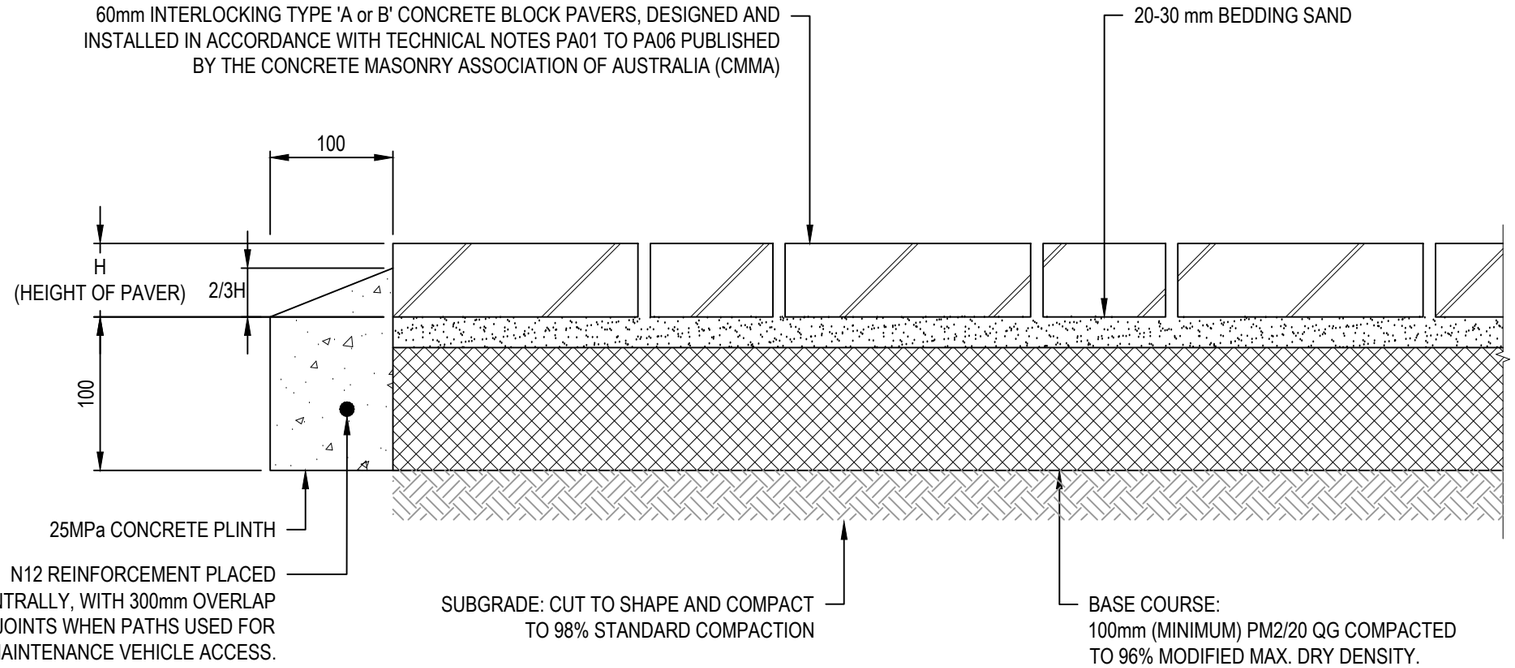
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
TYPICAL CONCRETE FOOTPATH DETAIL
SHEET 2 OF 2

SCALE
1:10 @ A3

DRAWING No.
SD 210

REV
C



SECTION THROUGH EDGE OF FOOTPATH
SCALE 1:5

NOTES:

1. CONCRETE PLINTH TO BE USED WHERE NOT BACK OF KERB, OR BOTH SIDES OF FOOTPATH WHEN NOT BACK OF KERB OR AGAINST FIXED EDGE.
2. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT PUBLICATION OF THE CONCRETE MASONRY ASSOCIATION OF AUSTRALIA AND SHALL BE IN ACCORDANCE WITH BEST TRADE PRACTICE.
3. PAVING BLOCKS TO BE LAID IN 90° HERRINGBONE PATTERN WITH HEADER COURSE UP TO THE CONCRETE PLINTH OR AS SPECIFIED.
4. BLOCKS SHALL BE CONCRETE INTERLOCKING. COLOUR AND STYLE TO BE NOMINATED ON DRAWING APPROVED BY COUNCIL. ALL JOINTS TO BE FILLED WITH SUPERSAND/OR PAVELOCK SAND.
5. ALL CUTTING OF PAVERS TO BE WITH MASONRY SAW ONLY.
6. CLAY PAVERS OR OTHER NON INTERLOCKING PAVERS ARE SUBJECT TO COUNCIL APPROVAL BASED ON PERFORMANCE REQUIREMENTS INCLUDING SLIP RESISTANCE AND STRENGTH.

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	18.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
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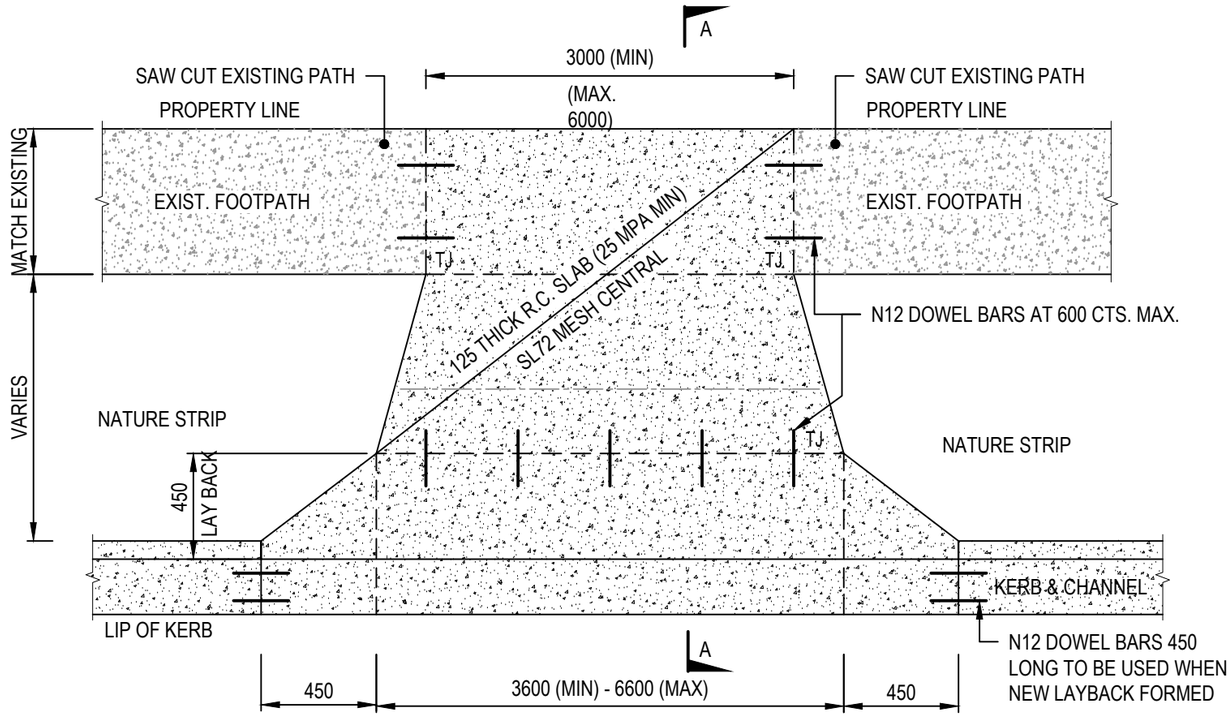
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
BLOCK PAVED FOOTPATH

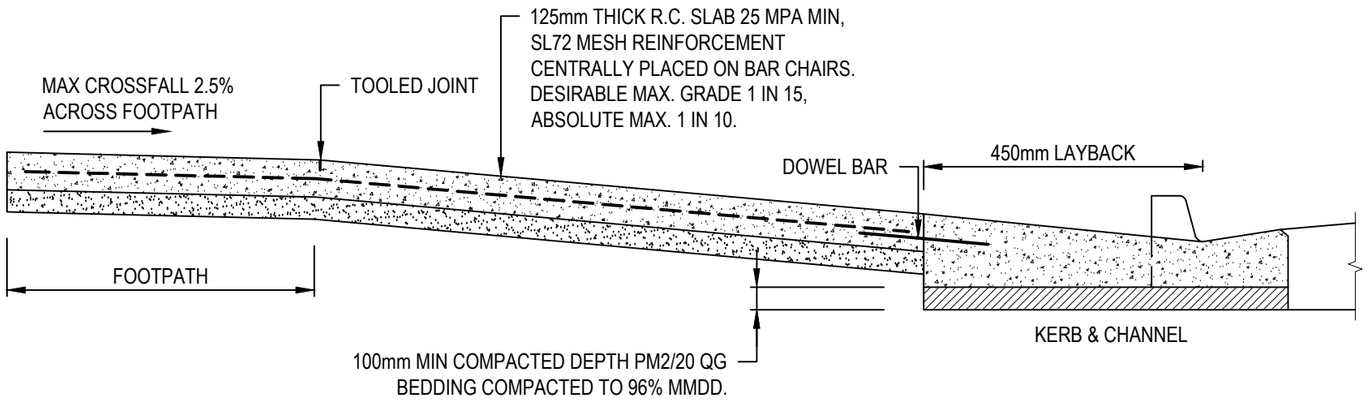
SCALE
1:5 @ A3

DRAWING No.
SD 220

REV
D



PLAN



SECTION A-A

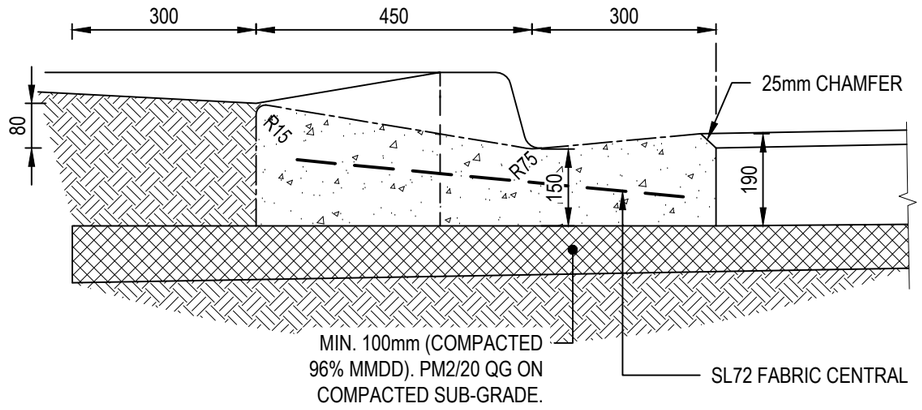
LEGEND:

EXPANSION JOINT — EJ

TOOLED JOINTS (REFER TO SD 210) — TJ

NOTES:

1. THIS DRAWING DETAILS DIMENSIONS FOR STANDARD RESIDENTIAL CROSSINGS ONLY.
2. CROSSING WIDTHS EXCEEDING THE MAXIMUM ALLOWABLE WILL REQUIRE APPLICATION FOR SPECIAL CONSIDERATION.
3. JOINTS AND DOWEL BARS ARE REQUIRED ON EITHER SIDE OF THE CROSSING AT THE INTERFACE WITH THE CONCRETE FOOTPATH. PROVISION SHALL BE MADE IN EXISTING CONCRETE SECTIONS BY DRILLING HOLES TO A MINIMUM DEPTH OF 150mm AND INSERTING R12 X 300mm LONG DOWEL BARS.
4. AN APPROVED JOINT FILLER SHALL BE PLACED ON EITHER SIDE OF THE CROSSING AGAINST FOOTPATH SLABS. DOWEL BARS ARE TO HAVE AN APPROVED BOND BREAKER APPLIED TO THE END OF THE BAR INSERTED INTO THE EXISTING CONCRETE FOOTPATH SECTIONS REFER SD210.
5. ADDITIONAL TOOLED JOINT REQUIRED IF DISTANCE FROM BACK OF KERB TO FOOTPATH IS GREATER THAN 3000 AND SHALL BE PLACED AT THE MIDPOINT OF THE DISTANCE.
6. THE MAXIMUM NUMBER OF CROSSINGS, WHERE ANY CROSSING EXCEEDS 3.6 METRES WIDTH, SHALL BE ONE (1) CROSSING WITH THE MAXIMUM WIDTH OF THAT CROSSING TO BE 6.6 METRES. CROSSINGS TO ADJACENT PROPERTIES SHALL BE EITHER FULLY COMBINED, AND OF MAXIMUM WIDTH OF 6.6 METRES, OR ELSE HAVE A MINIMUM SEPARATION OF 9 METRES..
7. FOOTPATHS OF 100mm THICKNESS ARE ACCEPTABLE ONLY WHERE THE LOTS ARE DEVELOPED ALREADY AND THE RISK OF SITE CONSTRUCTION DAMAGE IS NEGLIGIBLE. WHERE GREENFIELD SITES AND FUTURE HOUSING IS STILL TO BE DONE, THEN THE DEPTH OF THE FOOTPATH SHALL BE 125mm THROUGHOUT.
8. IF REVERSE FALL IS REQUIRED, DESIGN OF VEHICLE CROSSOVER TO BE ON A SITE SPECIFIC BASIS.
9. LOCATION AND DEPTH OF ANY UNDERGROUND SERVICES WITHIN FOOTWAY AREA MUST BE ESTABLISHED BEFORE COMMENCEMENT OF EXCAVATION.
10. UNDERTAKE A 'DIAL BEFORE YOU DIG' SEARCH (PH: 1100) TO LOCATE SERVICES PRIOR TO COMMENCING EXCAVATION.
11. TRANSITION AREA TO CONFORM TO AS2890.1. ANY CHANGES OF GRADE GREATER THAN 12.5% TO BE CHECKED USING THE TEMPLATE IN APPENDIX C AS2890.1
12. A MINIMUM CLEARANCE OF 1m MUST BE ACHIEVED FROM THE DRIVEWAY EDGE TO ANY STREET ASSET. THIS INCLUDES STREET TREES, LIGHT POLES, SIDE ENTRY PITS, PEDESTRIAN RAMPS AND STOBIE POLES.



SECTIONAL VIEW OF RESIDENTIAL KERB & LAYBACK

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	MINOR AMENDMENTS	17.07.2017	JZ	JC	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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INFRASTRUCTURE GUIDELINES (SA)

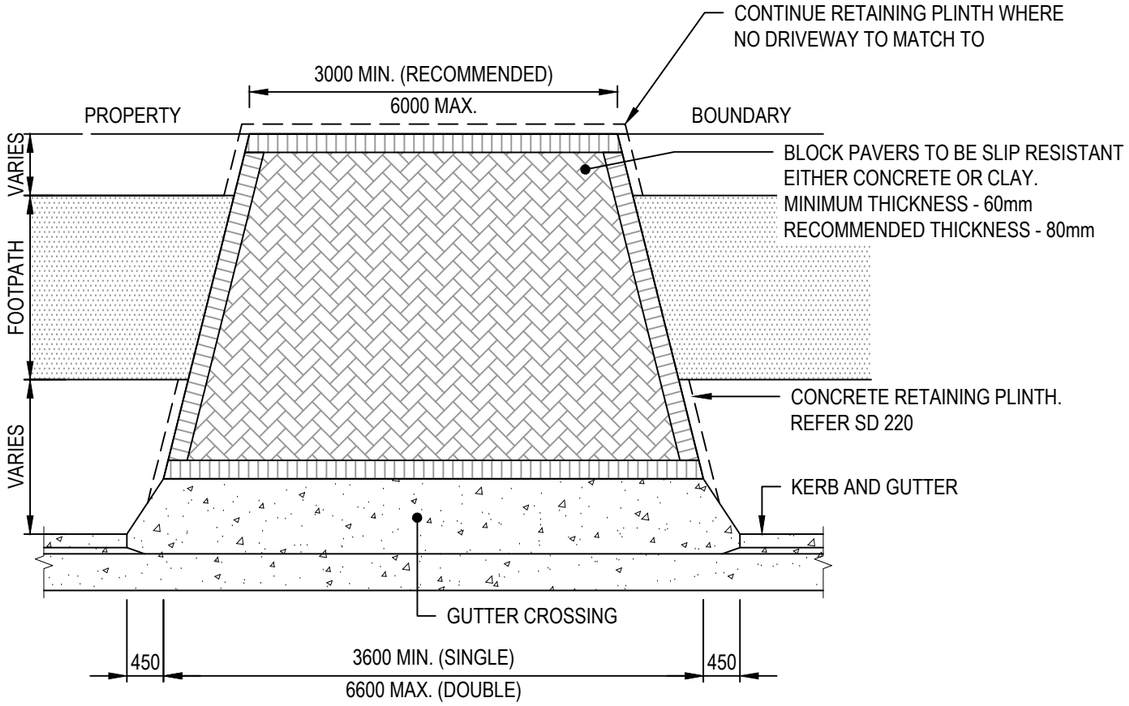
SHEET TITLE

RETROFIT RESIDENTIAL VEHICLE CROSSING DETAIL

SCALE NTS @ A3

DRAWING No. SD 225

REV D

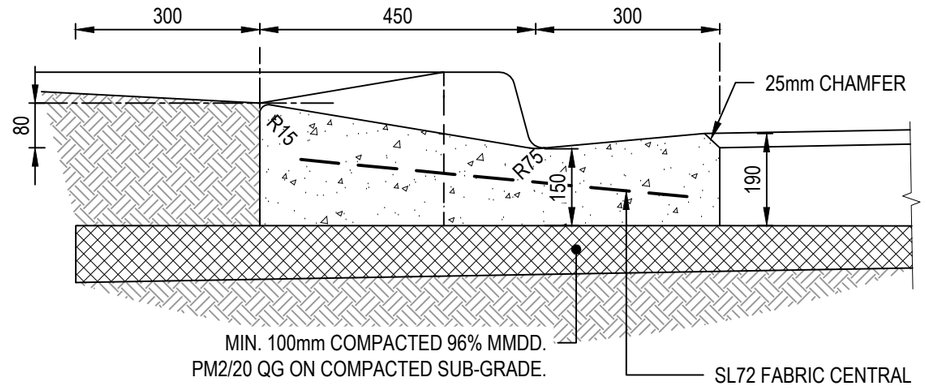


PLAN OF BLOCK PAVED VEHICLE CROSS-OVER

SCALE 1:50

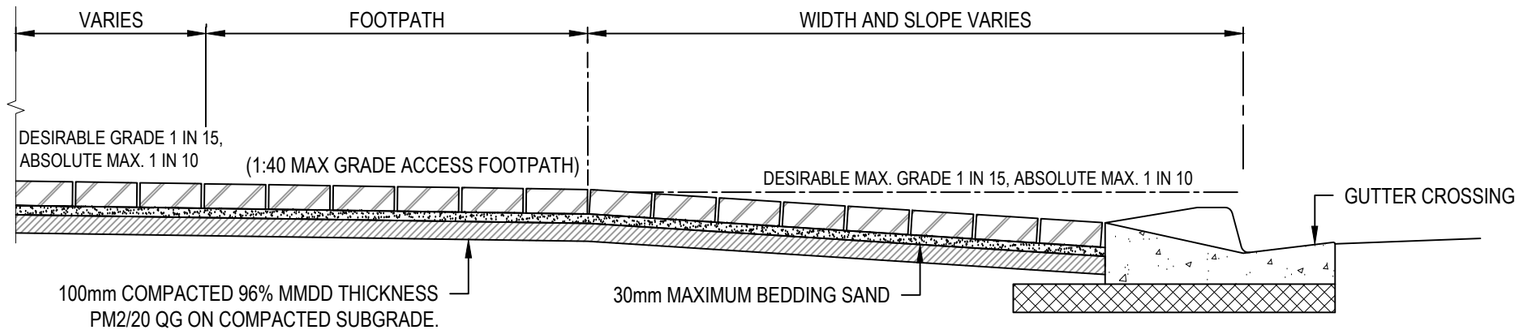
NOTES:

1. TO BE READ IN CONJUNCTION DRAWING SD 225.
2. REFER ALSO TO NOTES ON DRAWING SD 225.



SECTIONAL VIEW OF RESIDENTIAL KERB & LAYBACK

SCALE 1:10



SECTIONAL VIEW OF VEHICLE CROSSOVER

SCALE 1:10

(HIGH SIDE OF STREET)

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	ISSUED FOR REVIEW	18.07.2017	JZ	JC	DSL
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INFRASTRUCTURE GUIDELINES (SA)

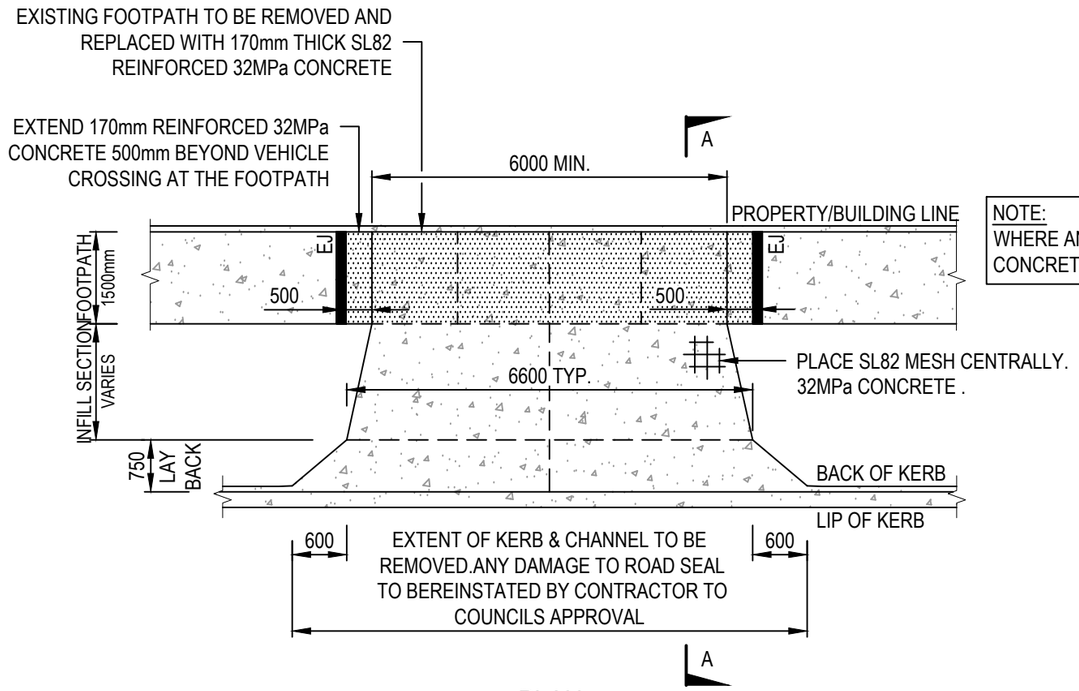
SHEET TITLE

VEHICLE BLOCK PAVED CROSSING DETAIL

SCALE AS SHOWN @ A3

DRAWING No. SD 235

REV D



PLAN

NOTE:
WHERE ANY NEW CONCRETE ABUTS EXISTING CONCRETE INSTALL R12Ø DOWELS 450 LONG @ MAX. 600 CTS.

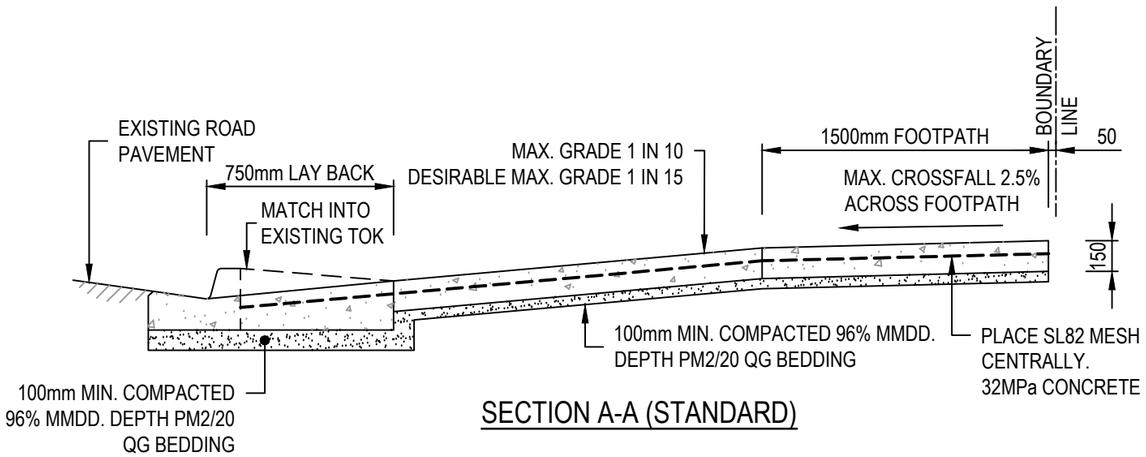
LEGEND:

EXPANSION JOINT — EJ

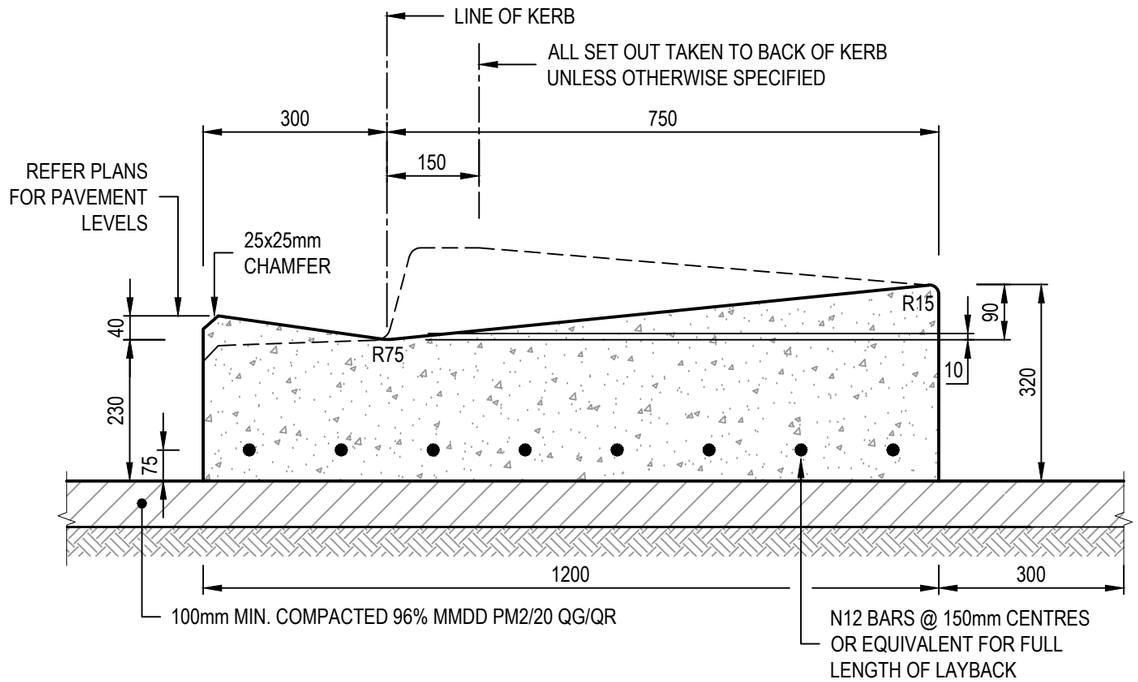
TOOLED JOINTS (REFER TO SD 210) — TJ

NOTES:

1. T.O.K. DENOTES TOP OF KERB.
2. INDUSTRIAL CROSSOVER WIDTH TO SUIT DESIGN VEHICLE. WIDTH TO BE APPROVED BY COUNCIL.



SECTION A-A (STANDARD)



SECTIONAL VIEW OF INDUSTRIAL KERB LAYBACK

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	ISSUED FOR REVIEW	10.06.2016	JZ	DL	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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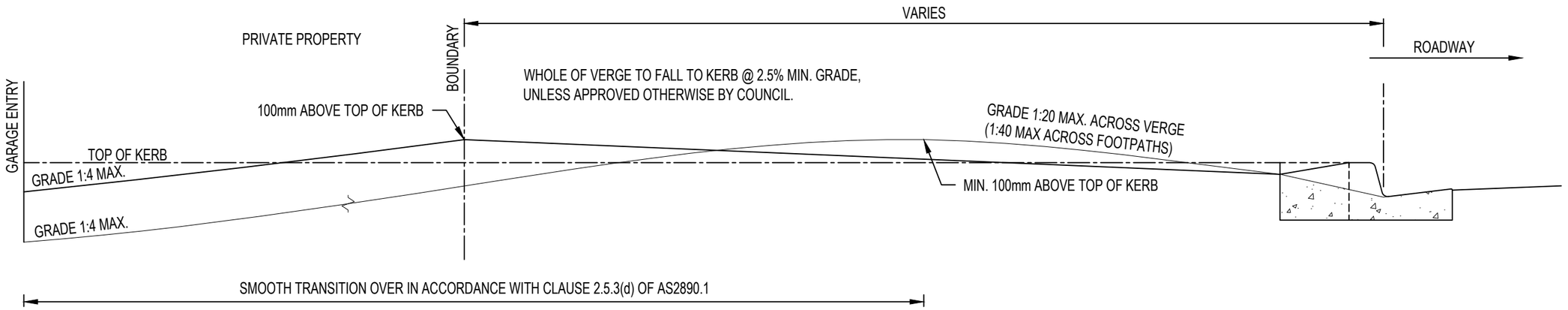
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
INDUSTRIAL VEHICLE CROSSING DETAIL

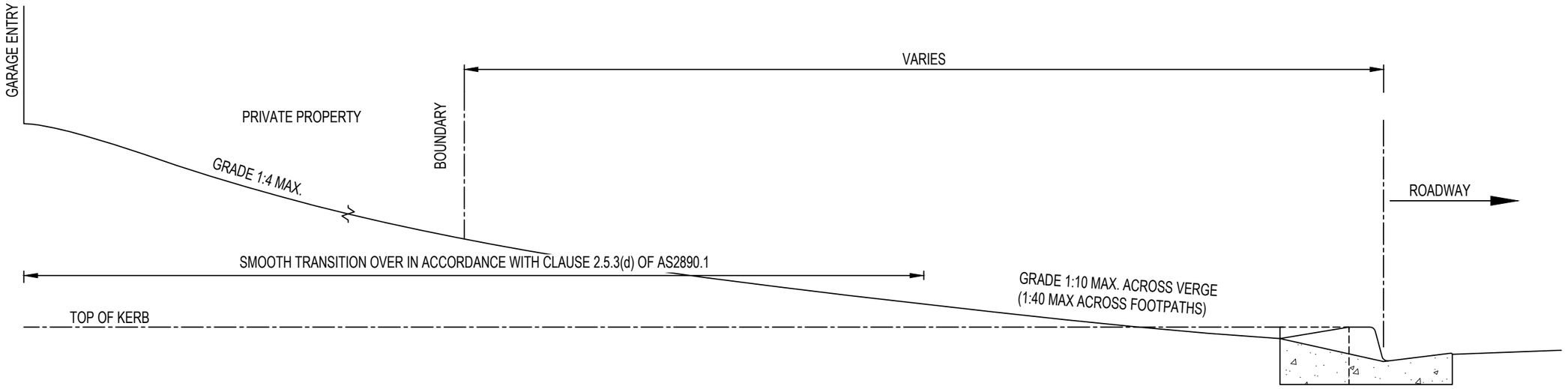
SCALE
NTS @ A3

DRAWING No.
SD 240

REV
D



LONGITUDINAL DRIVEWAY SECTION - LOWER SIDE OF STREET



LONGITUDINAL DRIVEWAY SECTION - HIGHER SIDE OF STREET

NOTES:

1. LOCATION AND DEPTH OF ANY UNDERGROUND SERVICES WITHIN FOOTWAY AREA MUST BE ESTABLISHED BEFORE COMMENCEMENT OF EXCAVATION.
2. UNDERTAKE A 'DIAL BEFORE YOU DIG' SEARCH (PH: 1100) TO LOCATE SERVICES PRIOR TO COMMENCING EXCAVATION.
3. TRANSITION AREA TO CONFORM TO AS2890.1 (2004) FIGURE 2.10. ANY CHANGES OF GRADE GREATER THAN 12.5% TO BE CHECKED USING THE TEMPLATE IN APPENDIX C AS2890.1

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
C	ISSUED FOR REVIEW	18.07.2016	JZ	DL	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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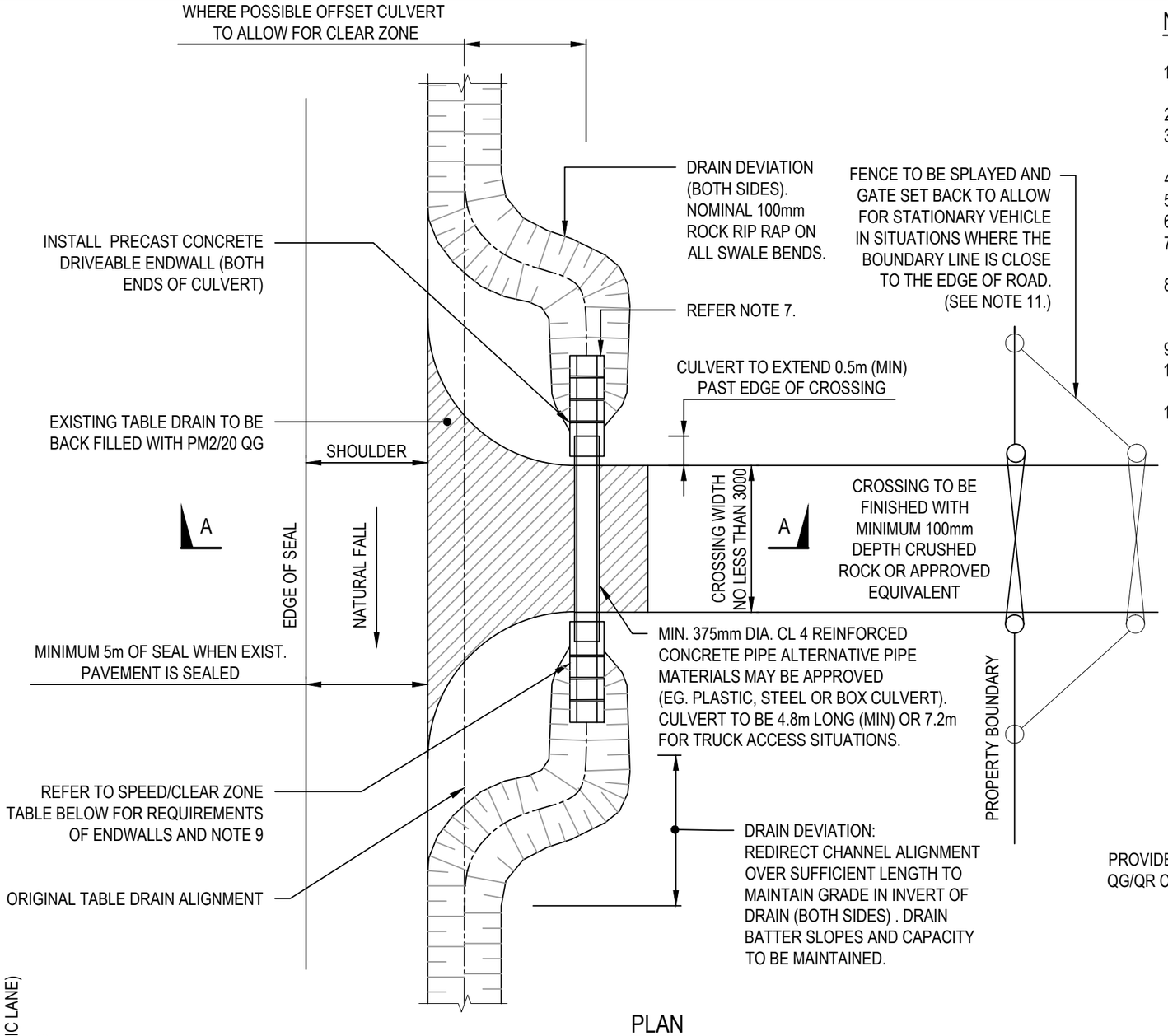
INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
VEHICLE CROSSING LONGITUDINAL SECTIONS

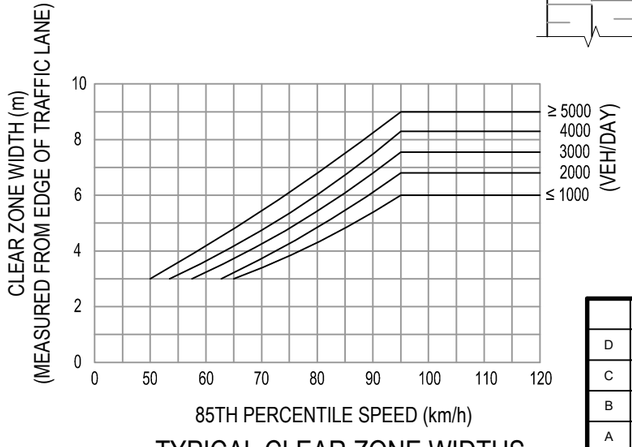
SCALE
1:20 @ A3

DRAWING No.
SD 245

REV
C



PLAN



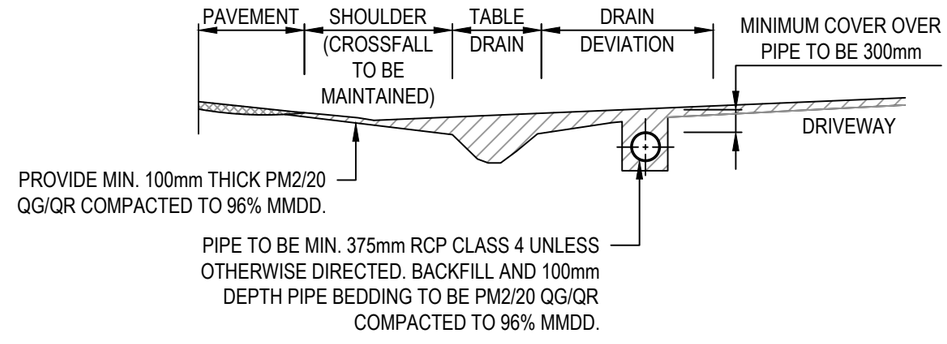
TYPICAL CLEAR ZONE WIDTHS

(REFER NOTE

NOTES:

1. THIS ARRANGEMENT IS INTENDED FOR RURAL LOW DENSITY RESIDENTIAL& FARMING ACCESS WAYS.
2. COUNCIL RESERVES THE RIGHT TO DIRECT THE USE OF CULVERT END WALL TYPE.
3. THIS IS A TYPICAL CROSSING PLAN. SLIGHT VARIATIONS MAY OCCUR AFTER INSPECTION AND APPROVAL OF LOCATION BY COUNCIL.
4. PRIOR TO THE CONSTRUCTION, THE CROSSING LOCATION SHALL BE APPROVED BY COUNCIL.
5. ALL WORKS TO BE COMPLETED TO THE SATISFACTION OF COUNCIL.
6. MAINTENANCE OF THE CROSSOVER REMAINS THE RESPONSIBILITY OF THE LAND OWNER.
7. INSTALL LOW PROFILE HEAD WALLS OUTSIDE CLEAR ZONE & DRIVEABLE END WALLS WITHIN CLEAR ZONE. NO CULVERT TO BE WITHIN 3m OF EDGE OF SEAL.
8. THE CLEAR ZONE TABLE SHOWN IS A GUIDE ONLY AND FOR FURTHER ACCURATE CLEAR ZONE GUIDELINES REFER TO AUSTROADS 'GUIDE TO ROAD DESIGN - PART 6: ROADSIDE DESIGN, SAFETY AND BARRIERS' TABLE 4.1: 'CLEAR ZONES DISTANCES FROM EDGE OF THROUGH TRAVELLED WAY'
9. TABLE DRAINS ARE NOT TO BE CLOSER THAN 1.0m FROM FENCE LINES OR SERVICES.
10. COUNCIL MAY REQUIRE THAT CROSSING PAVEMENT BE SEALED DEPENDING ON SITE LOCATION AND SPECIFICS.
11. GATE OFFSET DIMENSIONS:

STANDARD VEHICLE TYPE	MINIMUM GATE OFFSET FROM EDGE OF THROUGH LANE (m)
CAR (5.0m)	8.2
RIGID TRUCK (12.0m)	12.5
SEMI (19.0m)	22
B-DOUBLE (25.0m)	28



SECTION A-A

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
D	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
C	ISSUED FOR REVIEW	18.07.2016	JZ	DL	DSL
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE

TYPICAL SWALE DRAIN RESIDENTIAL VEHICLE CROSSING (RURAL ENTRANCE)

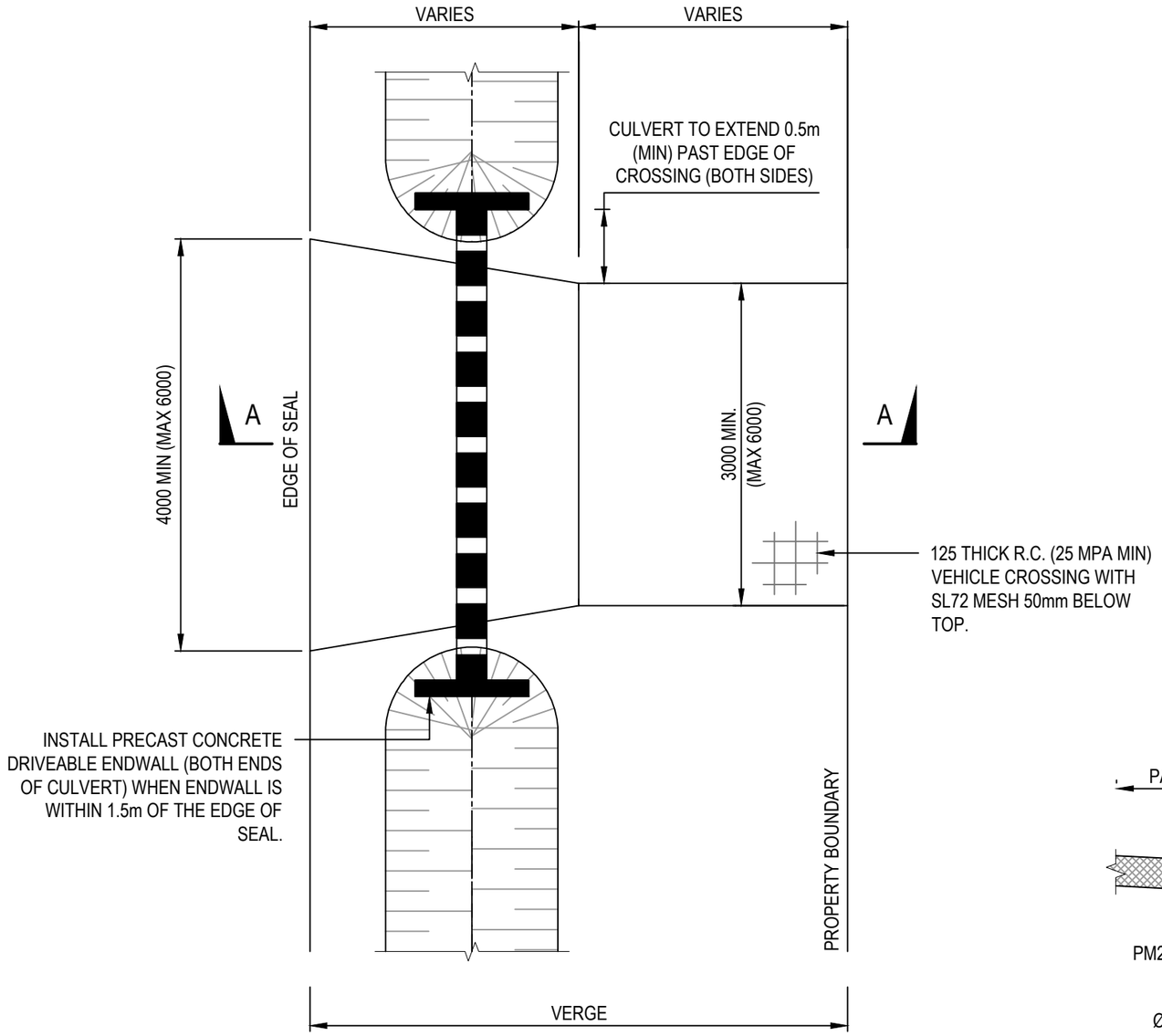
SCALE NTS @ A3

DRAWING No. SD 250

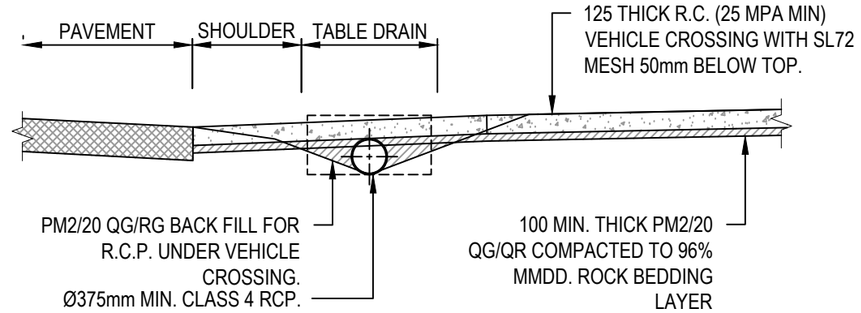
REV D

NOTES:

1. THIS ARRANGEMENT IS INTENDED FOR RURAL LOW DENSITY RESIDENTIAL ACCESS WAYS.
2. COUNCIL RESERVES THE RIGHT TO DIRECT THE USE OF CULVERT END WALL TYPE.
3. THIS IS A TYPICAL CROSSING PLAN. SLIGHT VARIATIONS MAY OCCUR AFTER INSPECTION AND APPROVAL OF LOCATION BY COUNCIL.
4. PRIOR TO THE CONSTRUCTION, THE CROSSING LOCATION SHALL BE APPROVED BY COUNCIL.
5. ALL WORKS TO BE COMPLETED TO THE SATISFACTION OF COUNCIL.
6. MAINTENANCE OF THE CROSSOVER REMAINS THE RESPONSIBILITY OF THE LAND OWNER.
7. DRIVEABLE ENDWALLS TO BE USED WITHIN 1.5m OF THE EDGE OF SEAL
8. TABLE DRAINS ARE NOT TO BE CLOSER THAN 1.0m FROM FENCE LINES OR SERVICES.
9. CULVERT TO BE LOCATED AT LEAST 600mm FROM EDGE OF SEAL



PLAN



SECTION A-A

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
C	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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INFRASTRUCTURE GUIDELINES (SA)

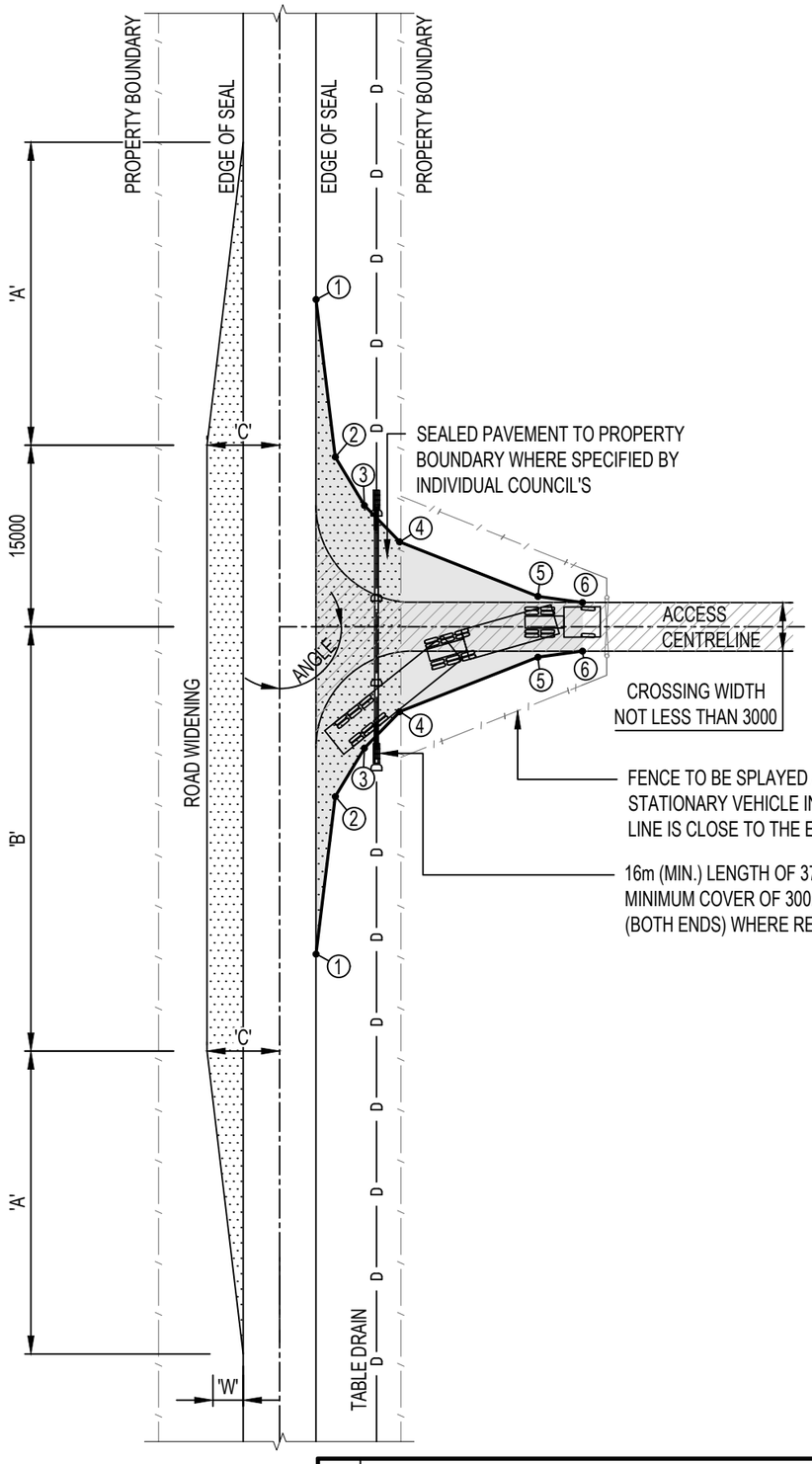
SHEET TITLE

TYPICAL SWALE DRAIN RESIDENTIAL VEHICLE CROSSING (URBAN ENTRANCE)

SCALE NTS @ A3

DRAWING No. SD 255

REV C



LEGEND

- TYPICAL EXISTING ACCESS
- RECOMMENDED ACCESS SPLAY
- AREA TO BE SEALED
- D — EXISTING DRAIN

SETOUT TABLE

POINT No.	OFFSET DISTANCE FROM EDGE OF SEAL (m)	OFFSET DISTANCE FROM ACCESS CENTRELINE (m)
1	0.0	27.0
2	1.6	14.0
3	4.0	10.0
4	6.9	7.0
5	18.3	2.5
6	22	2.0

ROAD WIDENING

A =	$\frac{0.5 \times \text{SPEED (km/h)} \times \text{W (m)}}{3.6}$			
B =	ANGLE:	70°	90°	110°
	LENGTH:	40	35	30
C =	ON STRAIGHT: 6.0m (MIN)			
	ON CURVE: 2x (3.0m + CORRESPONDING WIDENING FOR CURVE RADIUS)			
W =	FORMATION WIDENING (IF REQUIRED BY COUNCIL)			

NOTES:

1. THIS ARRANGEMENT IS INTENDED FOR RURAL / FARMING ACCESS WAYS THAT REQUIRE SEMI / B DOUBLE ACCESS.
2. PAVED AREAS TO BE A MINIMUM OF 150mm DEPTH COMPACTED GRAVEL. PAVEMENT AREAS AND TYPE TO BE APPROVED BY COUNCIL.
3. COUNCIL RESERVES THE RIGHT TO DIRECT THE USE OF CULVERT END WALL TYPE.
4. THIS IS A TYPICAL CROSSING PLAN. SLIGHT VARIATIONS MAY OCCUR AFTER INSPECTION AND APPROVAL OF LOCATION BY COUNCIL.
5. PRIOR TO THE CONSTRUCTION, THE CROSSING LOCATION SHALL BE APPROVED BY COUNCIL.
6. ALL WORKS TO BE COMPLETED TO THE SATISFACTION OF COUNCIL.
7. MAINTENANCE OF THE CROSSOVER REMAINS THE RESPONSIBILITY OF THE LAND OWNER.
8. REFER SD 250 FOR CLEAR ZONE OFFSETS.
9. DRIVEABLE ENDWALLS TO BE USED IN CLEARZONE.
10. TABLE DRAINS ARE NOT TO BE CLOSER THAN 1.0m FROM FENCE LINES OR SERVICES.
11. COUNCIL MAY REQUIRE THAT CROSSING PAVEMENT BE SEALED DEPENDING ON SITE LOCATION AND SPECIFICS.
12. GATE OFFSET DIMENSIONS:

STANDARD VEHICLE TYPE	MINIMUM GATE OFFSET FROM EDGE OF THROUGH LANE (m)
SEMI (19.0m)	22
B-DOUBLE (25.0m)	28

ALL MEASUREMENTS IN MILLIMETRES

REV	DESCRIPTION	DATE	DES	DRW	APP
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

THIS PROJECT HAS BEEN ASSISTED BY THE LOCAL GOVERNMENT RESEARCH AND DEVELOPMENT SCHEME AND INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALASIA

INFRASTRUCTURE GUIDELINES (SA)

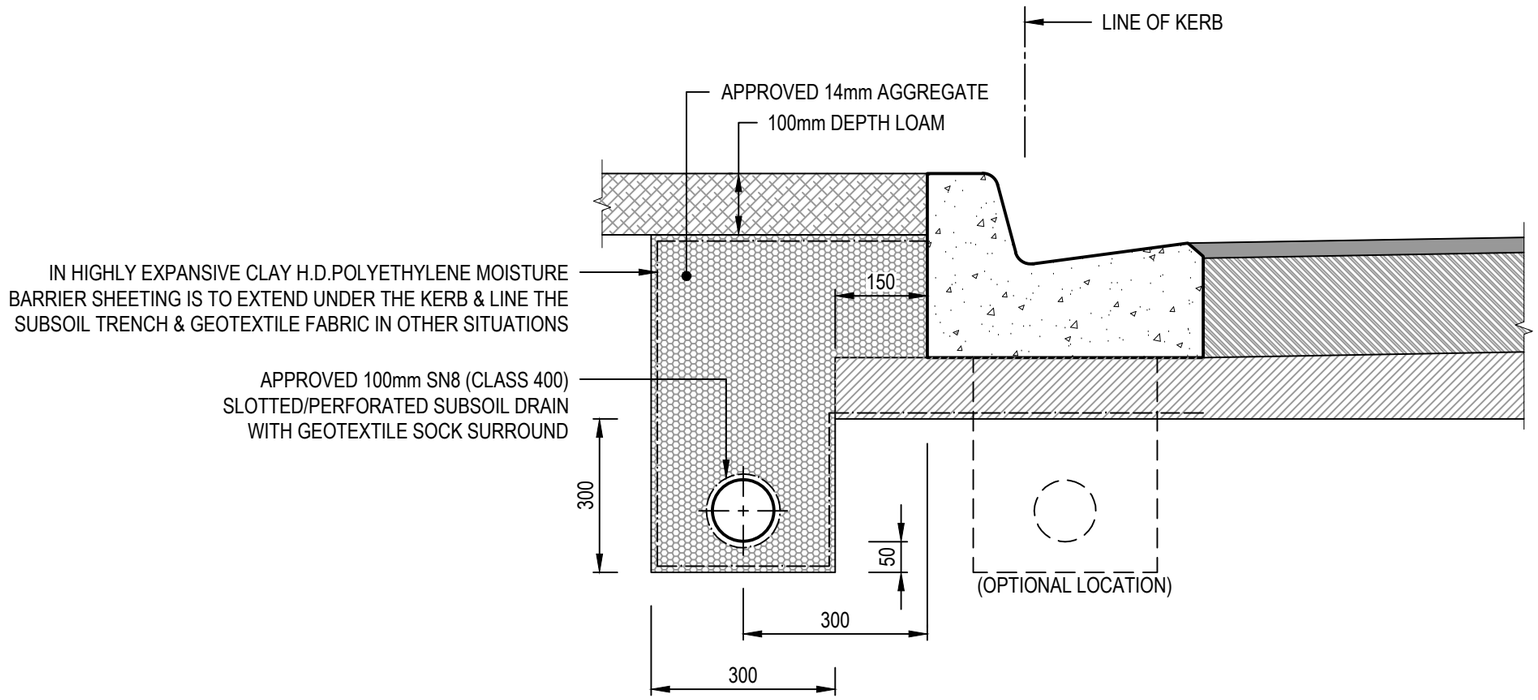
SHEET TITLE

TYPICAL SWALE DRAIN HEAVY VEHICLE CROSSING (RURAL ENTRANCE)

SCALE NTS @ A3

DRAWING No. SD 260

REV B



TYPICAL SECTION

ALL MEASUREMENTS IN MILLIMETRES

NOTES:

1. THE DRAINS SHALL BE LAID ON A GRADE PARALLEL TO THE FINISHED SURFACE.
2. FOR FLUSHOUT RISER DETAILS REFER TO STANDARD DRAWINGS SD 395.
3. WHERE THE SUBGRADE IS CLASSIFIED AS BEING EXPANSIVE, SUBSURFACE PAVEMENT DRAINS SHALL BE DESIGNED TO BE CONTAINED WHOLLY WITHIN THE CAPPING LAYER. IN ADDITION, NO PART OF THE SUBSURFACE DRAINAGE TRENCH SHALL BE LOCATED WITHIN 150mm OF THE UNDERLYING SUBGRADE. IF NECESSARY, THE CAPPING LAYER MAY HAVE TO BE THICKENED TO SATISFY THIS REQUIREMENT.

REV	DESCRIPTION	DATE	DES	DRW	APP
C	MINOR AMENDMENTS	06.11.2018	AF	AF	MDH
B	ISSUED FOR REVIEW	10.05.2016	JZ	DL	DSL
A	ISSUED FOR REVIEW	15.03.2016	JZ	DL	DSL

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INFRASTRUCTURE GUIDELINES (SA)

SHEET TITLE
TYPICAL PAVEMENT SUBSOIL DRAINAGE

SCALE
1:10 @ A3

DRAWING No.
SD 265

REV
C