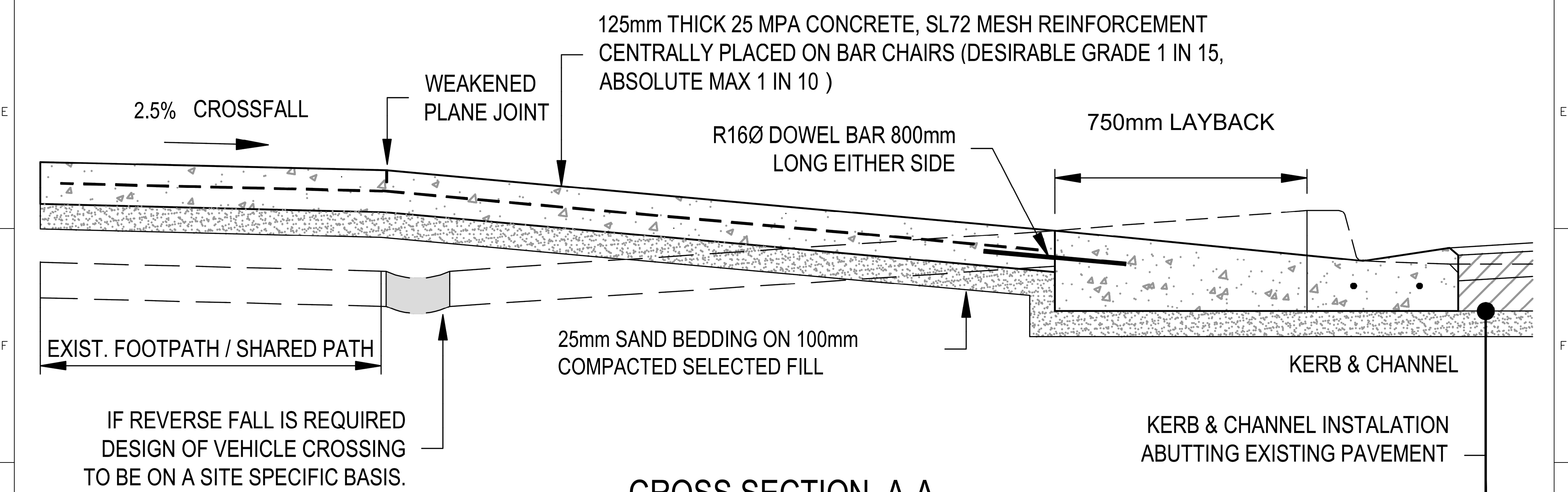


**PLAN**



**CROSS SECTION A-A**

- NOTES:**
- CROSSING SHALL BE CONSTRUCTED TO THE APPROVAL OF COUNCIL.
  - ALL EXPOSED EDGES TO BE ROUNDED TO 10mm RADIUS.
  - ALL DIMENSIONS ARE IN MILLIMETRES.
  - THIS DRAWING DETAILS DIMENSIONS FOR STANDARD RESIDENTIAL CROSSING ONLY.
  - ALL CROSSING TO BE INSPECTED PRIOR TO POURING CONCRETE.
  - THE STANDARD SHAPE OF CROSSING SHALL BE MAINTAINED. HOWEVER IN SPECIFIC CIRCUMSTANCES AND WITH PRIOR COUNCIL APPROVAL THE DIMENSIONS MAY BE ALTERED.
  - THIS DRAWING DETAILS DIMENSIONS FOR STANDARD RESIDENTIAL CROSSINGS ONLY.
  - CROSSING WIDTHS EXCEEDING THE MAXIMUM ALLOWABLE WILL REQUIRE APPLICATION TO COUNCIL FOR SPECIAL CONSIDERATION.
  - JOINTS AND DOWEL BARS ARE REQUIRED ON EITHER SIDE OF THE CROSSING AT THE INTERFACE WITH THE FOOTPATH. PROVISION SHALL BE MADE IN EXISTING CONCRETE SECTIONS. BY DRILLING HOLES TO A MINIMUM DEPTH OF 150mm AND INSERTING R16 DOWEL BARS.
  - 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.
  - ADDITIONAL WEAKENED PLANE JOINTS REQUIRED IF DISTANCE FROM BACK OF KERB TO FOOTPATH IS GREATER THAN 3000 AND SHALL BE PLACED AT THE MIDPOINT OF THE DISTANCE.
  - ANY VARIATION TO STANDARD FOOTPATH CROSSFALL OF 4% SHALL REQUIRE COUNCIL APPROVAL.
  - ALL WORKS TO COMPLY TO CURRENT AUSTRALIAN STANDARDS.

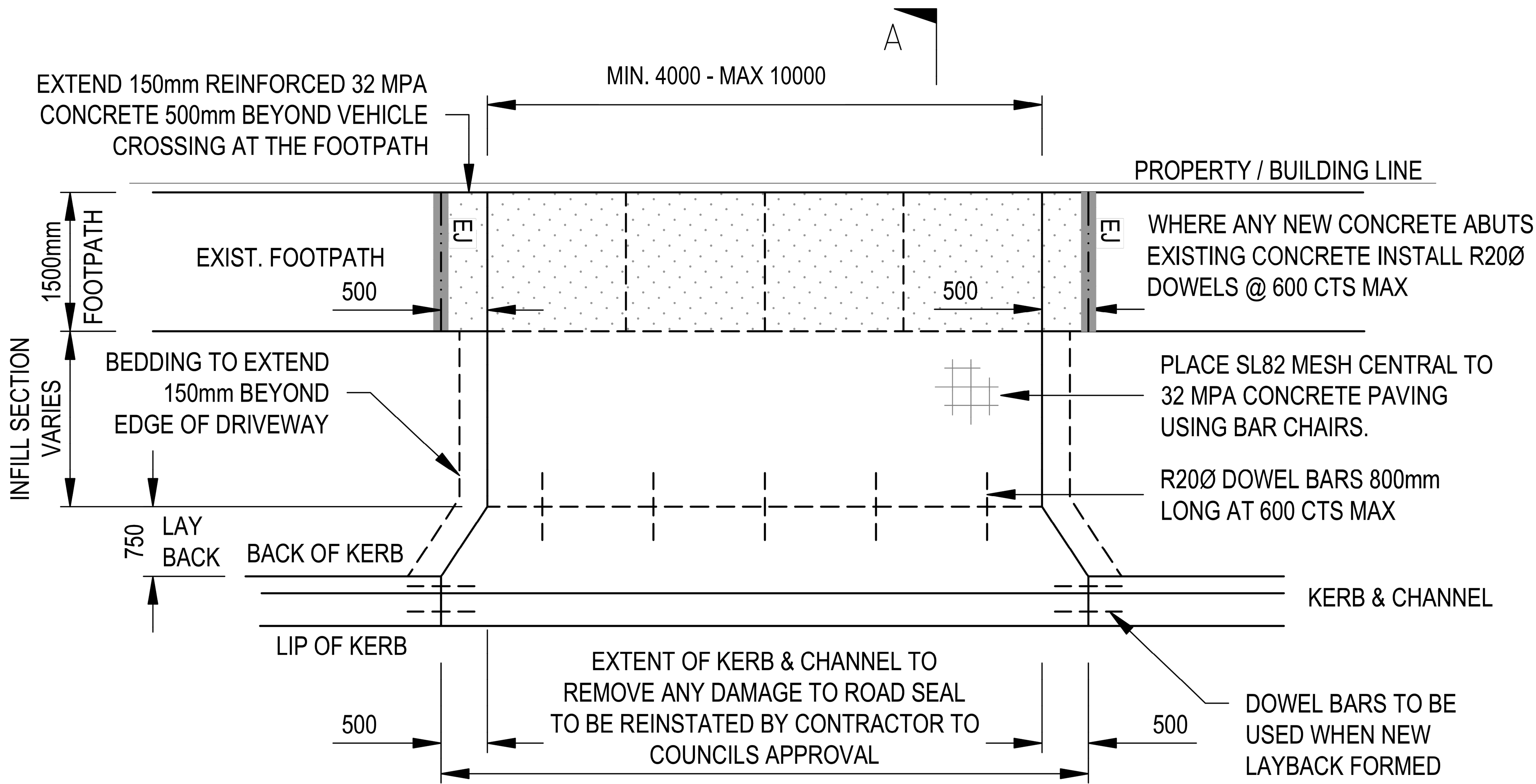


**MID-WESTERN REGIONAL COUNCIL**

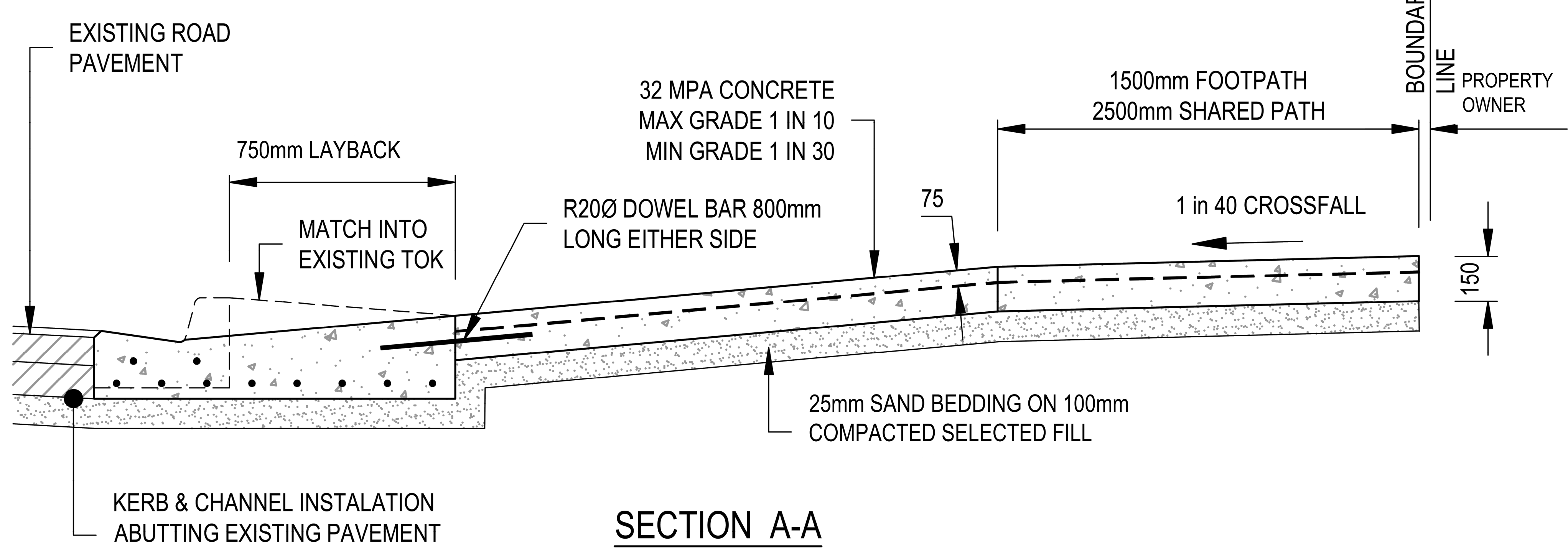
**RESIDENTIAL VEHICLE CROSSING DETAIL**

|             |        |
|-------------|--------|
| SCALE:      | NTS    |
| DRAWN:      | R.J    |
| CHECKED:    | R.K    |
| DRAWING No. | M524 C |





**PLAN**



**SECTION A-A**

- NOTES:**
- CROSSING SHALL BE CONSTRUCTED TO THE APPROVAL OF COUNCIL.
  - ALL EXPOSED EDGES TO BE ROUNDED TO 10mm RADIUS.
  - ALL DIMENSIONS ARE IN MILLIMETRES.
  - THIS DRAWING DETAILS DIMENSIONS FOR STANDARD RESIDENTIAL CROSSING ONLY.
  - ALL CROSSING TO BE INSPECTED PRIOR TO POURING CONCRETE.
  - THE STANDARD SHAPE OF CROSSING SHALL BE MAINTAINED. HOWEVER IN SPECIFIC CIRCUMSTANCES AND WITH PRIOR COUNCIL APPROVAL THE DIMENSIONS MAY BE ALTERED.
  - THIS DRAWING DETAILS DIMENSIONS FOR STANDARD RESIDENTIAL CROSSINGS ONLY.
  - CROSSING WIDTHS EXCEEDING THE MAXIMUM ALLOWABLE WILL REQUIRE APPLICATION TO COUNCIL FOR SPECIAL CONSIDERATION.
  - JOINTS AND DOWEL BARS ARE REQUIRED ON EITHER SIDE OF THE CROSSING AT THE INTERFACE WITH THE FOOTPATH. PROVISION SHALL BE MADE IN EXISTING CONCRETE SECTIONS. BY DRILLING HOLES TO A MINIMUM DEPTH OF 150mm AND INSERTING R20 DOWEL BARS.
  - 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.
  - ADDITIONAL WEAKENED PLANE JOINTS REQUIRED IF DISTANCE FROM BACK OF KERB TO FOOTPATH IS GREATER THAN 3000 AND SHALL BE PLACED AT THE MIDPOINT OF THE DISTANCE.
  - ANY VARIATION TO STANDARD FOOTPATH CROSSFALL OF 4% SHALL REQUIRE COUNCIL APPROVAL.
  - ALL WORKS TO COMPLY TO CURRENT AUSTRALIAN STANDARDS.

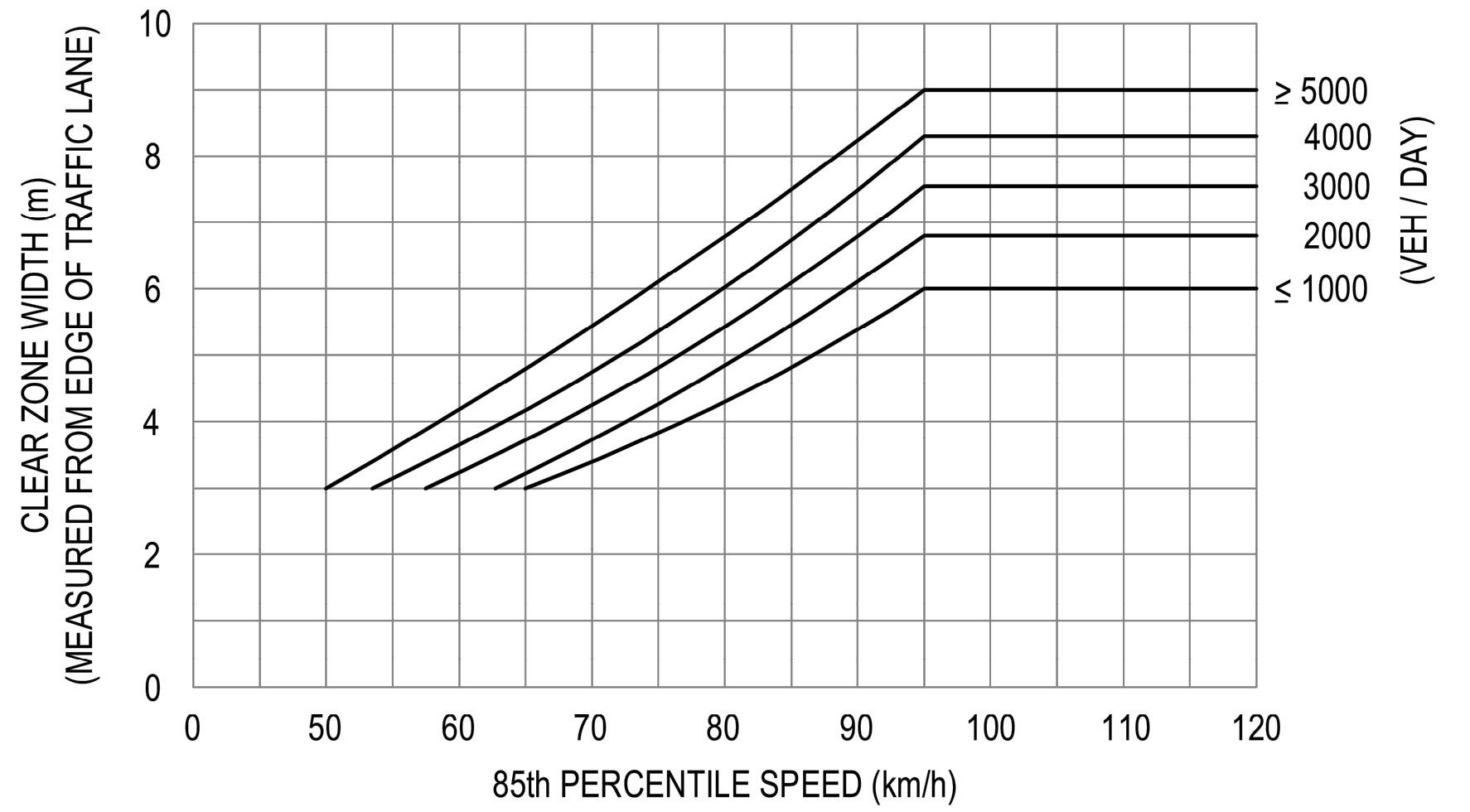


|   |  |
|---|--|
| <b>MID-WESTERN REGIONAL COUNCIL</b>       |  |
| <b>INDUSTRIAL VEHICLE CROSSING DETAIL</b> |  |

|             |        |
|-------------|--------|
| SCALE:      | NTS    |
| DRAWN:      | R.J    |
| CHECKED:    | R.K    |
| DRAWING No. | M526 D |



WHERE POSSIBLE OFFSET CULVERT TO ALLOW FOR CLEAR ZONE



INSTALL PRECAST CONCRETE DRIVEABLE ENDWALL (BOTH ENDS OF CULVERT)

EXISTING TABLE DRAIN TO BE BACK FILLED WITH 'CLASS 3' FCR

DRAIN DEVIATION (BOTH SIDES)

(REFER NOTE 7)

CULVERT TO EXTEND 0.5m (MIN) PAST EDGE OF CROSSING

SHOULDER

A

EDGE OF SEAL

NATURAL FALL

A

CROSSING TO BE FINISHED WITH MINIMUM 100mm DEPTH CRUSHED ROCK OR APPROVED EQUIVALENT

CROSSING WIDTH 3500mm MIN

MINIMUM 5m OF SEAL WHEN EXIST. PAVEMENT IS SEALED

MIN. 375mm DIA. CL 4 REINFORCED CONCRETE PIPE ALTERNATIVE PIPE MATERIALS MAY BE APPROVED (EG. PLASTIC, STEEL OR BOX CULVERT). CULVERT TO BE 4.8m LONG (MIN) OR 7.2m FOR TRUCK ACCESS SITUATIONS.

REFER TO SPEED/CLEAR ZONE TABLE ABOVE FOR REQUIREMENTS OF ENDWALLS & NOTE 9

ORIGINAL TABLE DRAIN ALIGNMENT

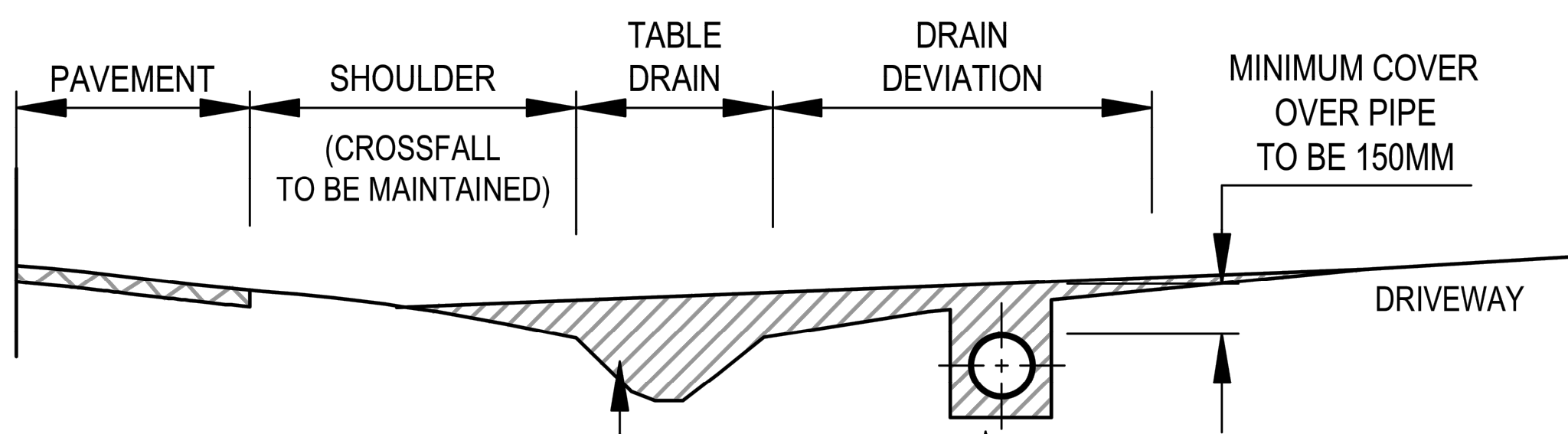
DRAIN DEVIATION: REDIRECT CHANNEL ALIGNMENT OVER SUFFICIENT LENGTH TO MAINTAIN GRADE IN INVERT OF DRAIN (BOTH SIDES)

PROPERTY BOUNDARY  
FENCE TO BE SPLAYED AND GATE SET BACK TO ALLOW FOR STATIONARY VEHICLE IN SITUATIONS WHERE THE BOUNDARY LINE IS CLOSE TO THE EDGE OF ROAD. (SEE NOTE 11.)

NOTES:

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



FINE CRUSHED ROCK BACK FILL INCLUDING EXISTING TABLE DRAIN.

PIPE TO BE MIN. 375mm RCP UNLESS OTHERWISE DIRECTED. BACKFILL AND 75mm DEPTH PIPE 25mm SAND BEDDING ON 100mm COMPACTED SELECTED FILL

SECTION A-A

ALL MEASUREMENTS IN MILLIMETRES



MID-WESTERN REGIONAL COUNCIL

RURAL VEHICLE CROSSING DETAIL

SCALE: NTS

DRAWN: R.J

CHECKED: R.K

DRAWING No. M525 B