

REMOVE OR SAWCUT EXISTING VEHICULAR CROSSING PLACE AND FOOTPATH TO FIRST EXPANSION JOINT. REPLACE WITH FOOTPATH (MINIMUM 75mm THICK (20MPa STRENGTH)) TO MATCH EXISTING DIMENSIONS

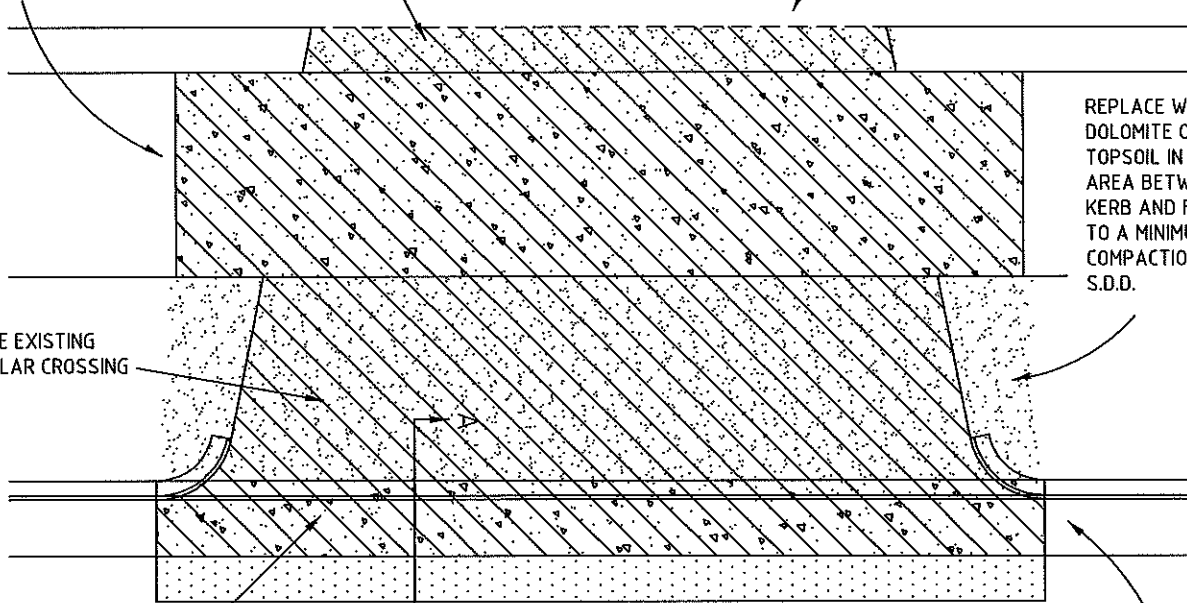
REPLACE WITH DOLOMITE OR TOPSOIL IN VERGE AREA BETWEEN NEW FOOTPATH AND PROPERTY BOUNDARY

REMOVE EXISTING VEHICULAR CROSSING PLACE

PROPERTY BOUNDARY

REPLACE WITH DOLOMITE OR TOPSOIL IN VERGE AREA BETWEEN NEW KERB AND FOOTPATH TO A MINIMUM COMPACTION OF 96% S.D.D.

REMOVE EXISTING VEHICULAR CROSSING PLACE



REPLACE EXISTING VEHICULAR INVERT WITH KERB AND GUTTER TO MATCH EXISTING

SAWCUT AND REPLACE BITUMEN MINIMUM 300mm OFFSET FROM EXISTING GUTTER LIP

SAWCUT EXISTING VEHICULAR INVERT TO THE NEAREST EXPANSION JOINT

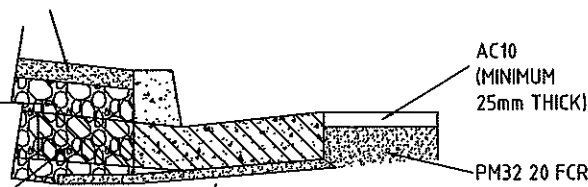
ROAD

PLAN SCALE 1:50

BACKFILL WITH TOPSOIL/DOLOMITE MINIMUM 50mm THICK (Grade evenly from Top of Kerb to Footpath)

BACKFILL WITH SELECTED EXCAVATED SOIL (Maximum aggregate size 20mm)

REMOVE EXISTING VEHICULAR INVERT AND VEHICULAR CROSSING PLACE



COMPACTED PM21 20 QR MINIMUM 50mm THICK TO EXTEND MINIMUM 200mm BEHIND BACK OF KERB

AC10 (MINIMUM 25mm THICK)

PM32 20 FCR

**NOTES:**

1. RING COUNCIL 24 HOURS PRIOR TO COMMENCEMENT.

**PROTECTION OF WORKS BY PRIVATE CONTRACTORS**

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF THE EXCAVATION AND NEW WORK TO THE RELEVANT STANDARDS. BARRICADES, LIGHTING AND SIGNS MAY BE NECESSARY TO GUARD AGAINST ANY POSSIBILITY OF DANGER OR ACCIDENT TO VEHICLE AND PEDESTRIAN USERS OF THE PUBLIC ROAD AND FOOTWAY.

**FOOTPATH EXPANSION JOINTS**  
PLATE OPEN JOINTS SHALL BE FORMED EVERY 3000mm INTERVALS WITH ABELFLEX OF MINIMUM 10mm THICKNESS INSERTED EVERY 6000mm INTERVALS

SECTION AA  
SCALE 1:20



REDUNDANT VEHICULAR CROSSING PLACE/INVERT DETAIL

SCALE:	AS SHOWN
DRAWN:	RBP 1/3/04
CHECKED:	AC 1/3/04
DRAWING NO.	REV.
8685-330	A

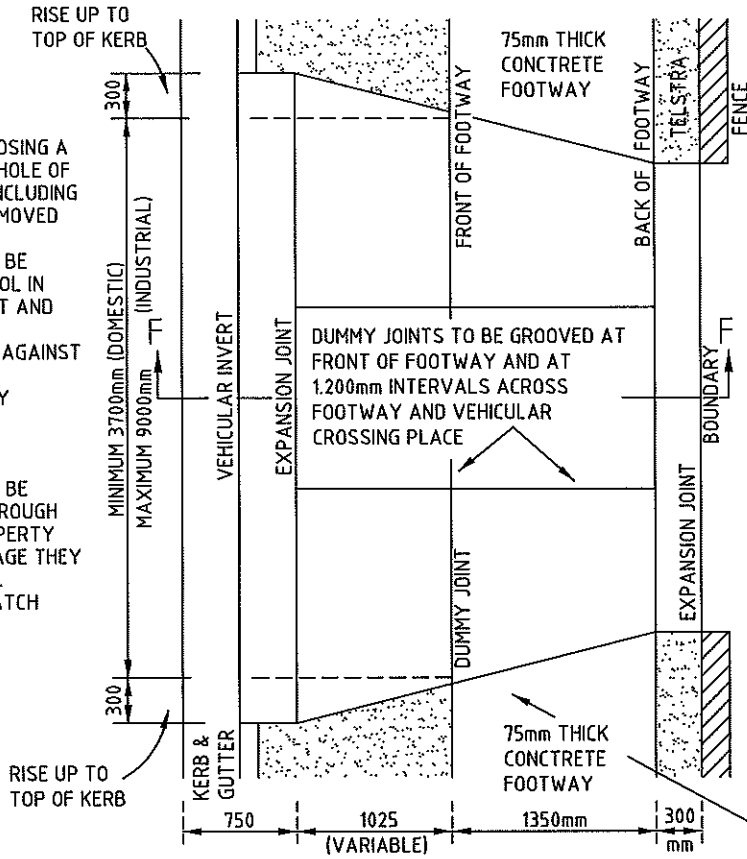
**VEHICULAR INVERTS**

• WHEN INSTALLING OR CLOSING A VEHICULAR INVERT THE WHOLE OF THE EXISTING CONCRETE INCLUDING THE GUTTER SHALL BE REMOVED AND REPLACED WITH NEW CONCRETE. ALL EDGES TO BE GROOVED WITH EDGING TOOL IN STRAIGHT LINES. SAW CUT AND REINSTATE BITUMEN ROAD PAVEMENT IF NECESSARY AGAINST NEW CONCRETE TO THE SATISFACTION OF THE CITY ENGINEER.

• REDUNDANT VEHICULAR CROSSING PLACES ARE TO BE REMOVED AND KERBED THROUGH AT THE COST OF THE PROPERTY OWNER ON WHOSE FRONTAGE THEY HAVE BEEN CONSTRUCTED. REINSTATE VERGES TO MATCH EXISTING.

**PLAN**

NOT TO SCALE

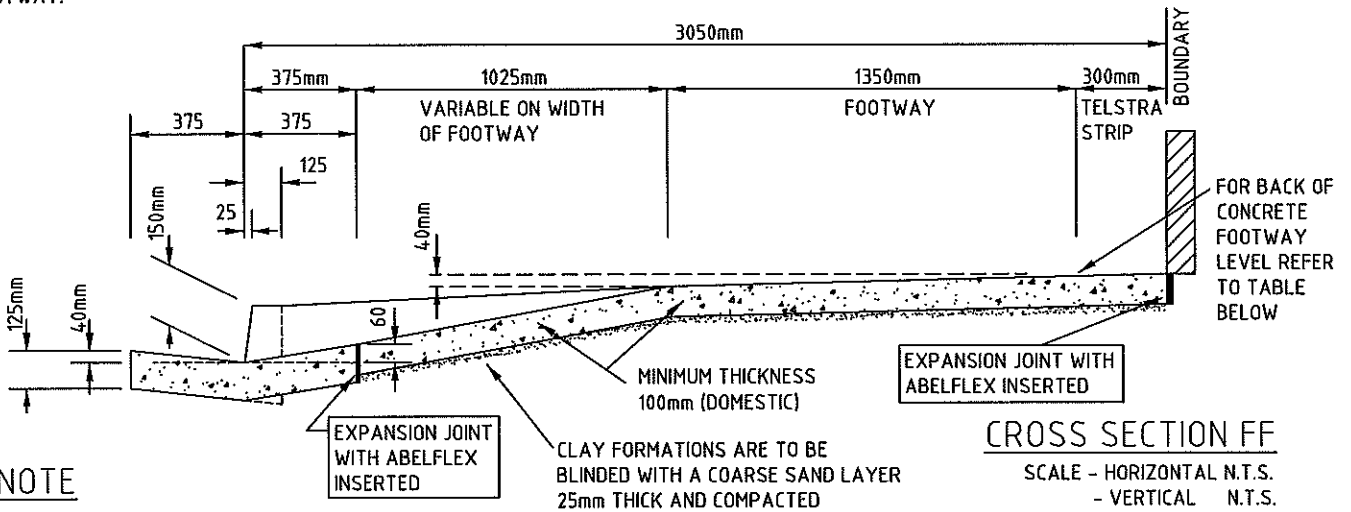


- NOTES FOR INDUSTRIAL CROSSING PLACES**
- MINIMUM THICKNESS OF CONCRETE 150mm
  - VEHICULAR INVERT AND CROSSING PLACE REINFORCED WITH F.82 MESH (A.S.603)
- COMMERCIAL CROSSING PLACES**
- MINIMUM THICKNESS OF CONCRETE 100mm
  - REINFORCE WITH F.82 MESH.
- ALL CROSSING PLACES**
- MAXIMUM WIDTH FOR CROSSING PLACES IS 5.000m FOR RESIDENTIAL, AND 9.000m FOR INDUSTRIAL UNLESS OTHERWISE APPROVED.
  - PEDESTRIAN REFUGE BETWEEN CROSSING PLACES SHOULD BE AT LEAST 3.000m IN WIDTH.
  - ON CORNER ALLOTMENTS THE CROSSING PLACE TO BE SITUATED NOT NEARER THAN 6.000m FROM THE TANGENT POINT OF THE CORNER KERB RADIUS.
  - SURFACE STORMWATER IS NOT TO BE DISCHARGED OVER THE FOOTWAY OR THE VEHICULAR CROSSING PLACE - REFER TO DRAWING No.'s 8685-100 AND 8685-101 FOR DETAILS.

10mm WIDE EXPANSION JOINT WITH ABELFLEX INSERTED AT CHANGE OF THICKNESS AND AT 6000mm INTERVALS.

**PROTECTION OF WORKS BY PRIVATE CONCRETE CONTRACTORS**

THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF THE EXCAVATION AND NEW CONCRETE WORK WITH BARRICADES, SIGNS, AND LIGHTING AS MAY BE NECESSARY TO GUARD AGAINST ANY POSSIBILITY OF DANGER OR ACCIDENT TO VEHICLE AND PEDESTRIAN USERS OF THE PUBLIC ROAD AND FOOTWAY.



**NOTE**

- 1) RING COUNCIL'S INFRASTRUCTURE SERVICES DEPARTMENT FOR AN INSPECTION PRIOR TO CONSTRUCTION COMMENCING.
- 2) MINIMUM COMPRESSIVE STRENGTH OF CONCRETE TO BE 20 MPa AFTER 28 DAYS (MAXIMUM 100mm SLUMP).
- 3) CONCRETE MUST HAVE WOODEN TROWEL FINISH, OR BROOM FINISH.
- 4) RING DIAL BEFORE YOU DIG (1100) FOR THE LOCATIONS OF EXISTING SERVICES.

**CROSS SECTION FF**

SCALE - HORIZONTAL N.T.S.  
- VERTICAL N.T.S.

WIDTH OF FOOTWAY FROM BOUNDARY TO FACE OF KERB	BACK OF FOOTWAY LEVEL ABOVE GUTTER
2.130 & 2.440m	200mm
2.740 & 3.050m	220mm
3.350 & 3.650m (OR MORE)	240mm
HIGHWAYS ROADS	240mm
ANZAC HIGHWAY	330mm



**STANDARD VEHICULAR CROSSING PLACE**

SCALE: AS SHOWN	
DRAWN: RBP 5/10/04	
CHECKED: JI 5/10/04	
DRAWING NO.	REV.
8685-300	B