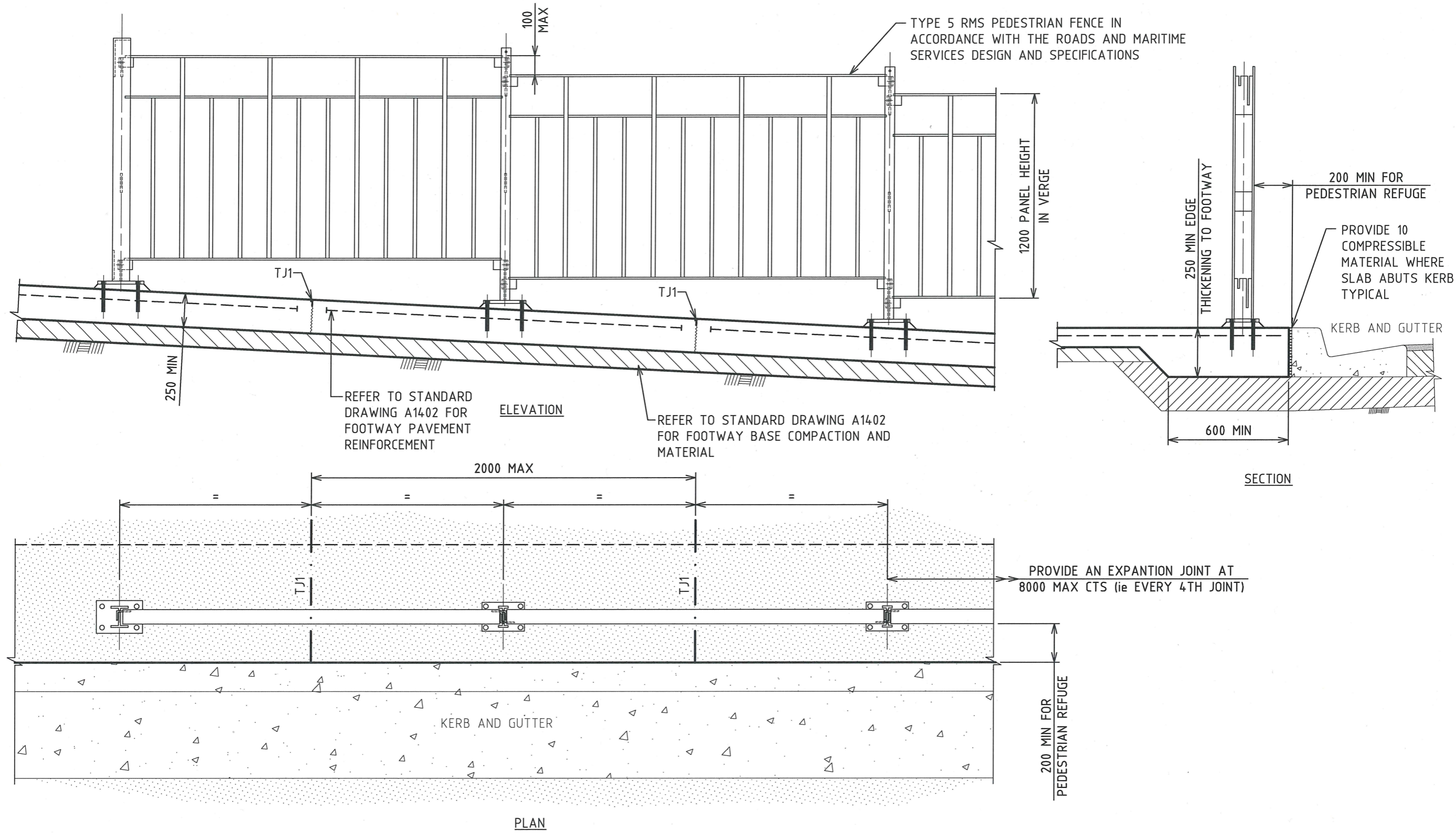




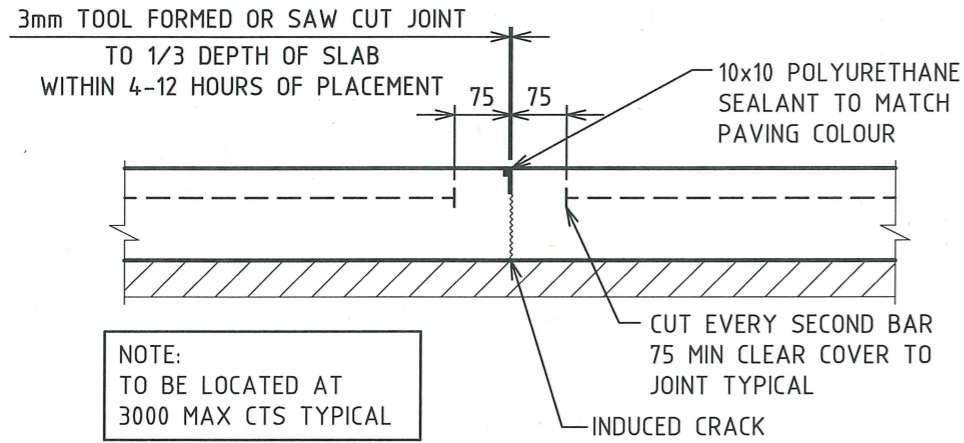
RMS PEDESTRIAN FENCE - INSTALLED IN MEDIAN
SCALE 1:20

<table border="1"> <tr> <td>0</td> <td>CONSTRUCTION</td> <td>18.08.15</td> <td>T.A.</td> </tr> <tr> <td>No.</td> <td>AMENDMENT DETAILS</td> <td>DATE</td> <td>INITIALS</td> </tr> </table>				0	CONSTRUCTION	18.08.15	T.A.	No.	AMENDMENT DETAILS	DATE	INITIALS	SCALE AS SHOWN	LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED: <i>[Signature]</i> SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15	THE CITY OF NEWCASTLE FENCES RMS PEDESTRIAN BARRIER FENCE	NCC PLAN No. A3505 AMENDMENT No.	SHEET No. 1 OF 3 SHEETS
0	CONSTRUCTION	18.08.15	T.A.														
No.	AMENDMENT DETAILS	DATE	INITIALS														
A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED				COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.											



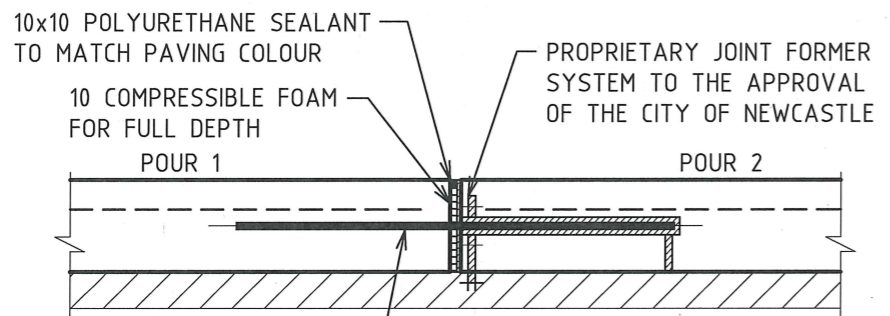
RMS PEDESTRIAN FENCE - INSTALLED IN VERGE
SCALE 1:20

			SCALE AS SHOWN	 LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES	APPROVED:  SIGNED: _____ INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 21/8/15	THE CITY OF NEWCASTLE FENCES RMS PEDESTRIAN BARRIER FENCE	NCC PLAN No. A3505	SHEET No. 2 OF 3 SHEETS
0	CONSTRUCTION	18.08.15	T.A.					
No.	AMENDMENT DETAILS	DATE	INITIALS					
A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED			COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.		AMENDMENT No.	



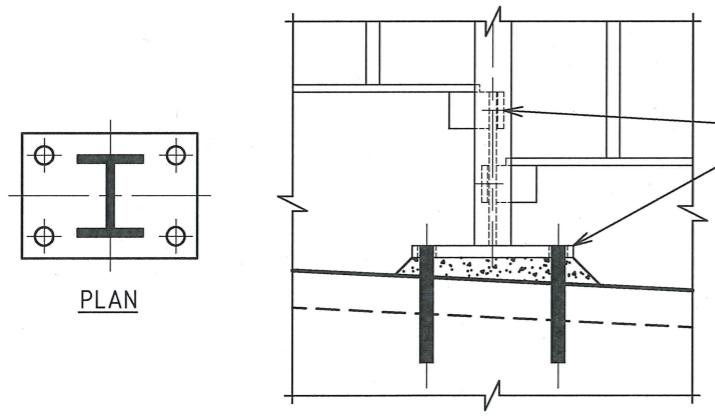
NOTE:
TO BE LOCATED AT
3000 MAX CTS TYPICAL

SECTION
TOOLED JOINT - TJ1
SCALE 1:10



NOTE:
TO BE LOCATED AT 8000
MAX CTS TYPICAL

SECTION
EXPANSION JOINT - EJ1
SCALE 1:10



TYPE 5 RMS PEDESTRIAN FENCE BASEPLATE, FIXINGS AND MAXIMUM SLOPE STEPPING IN ACCORDANCE WITH THE ROADS AND MARITIME SERVICES DESIGN AND SPECIFICATIONS. PROVIDE 4-M20 CHEMICAL ANCHORS HILTI HIT HY200 160 MIN EMBEDMENT INTO CONCRETE TYPICAL

RMS BASEPLATE AND FIXING DETAIL
SCALE 1:10

NOTES

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE CURRENT AUSTRALIAN STANDARDS IN PARTICULAR AS3600 AND AS3727 AS WELL AS ANY REQUIREMENTS OF THE RELEVANT AUTHORITIES.
2. KERB INFILL CONCRETE IS TO BE FOUNDED ON COMPACTED ROAD BASE
3. CONCRETE GENERALLY TO BE DESIGNED TO HAVE A 2.5% CROSS FALL.
4. DOWELS ARE TO BE ACCURATELY ALIGNED PARALLEL TO THE CONCRETE SURFACE AND THE CONCRETE CENTER LINE. ALL DOWELS AND JOINT FORMERS ARE TO BE GALVANISED.
5. BITUMINOUS JOINT FILLER TO SEAL THE EXPOSED SURFACE OF THE EXPANSION JOINT AND SHOULD THEREFORE BE LOCATED TO THE JOINT TOP AND JOINT EDGES.
6. CONCRETE THICKNESS, GRADE, REINFORCEMENT AND COVER IS AS DETAILED IN TABLE 1
7. TO ASSIST IN THE CURING AND DURABILITY OF THESE THIN SLABS:
 - THE SUB BASE SHOULD BE THOROUGHLY MOISTENED PRIOR TO PLACING CONCRETE (RESULTING IN REDUCED LOSS OF MOISTURE);
 - AS SOON AS THE TEXTURING VIA EITHER A DECORATIVE FINISH, WOOD FLOAT OR BROOMING HAS BEEN DONE, CURING SHOULD INITIATED BY APPLYING A CURING COMPOUND AT THE RATE OF 0.3 L/MIN²;
 - WATER SHOULD NOT BE ADDED TO THE AS-DELIVERED MIX; THIS WILL LOWER THE CONCRETE STRENGTH, CAUSE GREATER SHRINKAGE AND MAY CAUSE CHALKINESS AND DUSTING OF THE SURFACE.
8. CONCRETE TO HAVE A BROOM FINISH TRANSVERSE TO THE PAVEMENT WITH A 75mm EDGE TOOLING OF ALL JOINTS AND EDGES. BROOM FINISH TO EXTEND TO EDGE OF SLAB OVER EDGE TOOLING TYPICAL TO ALL JOINTS AND EDGES.
9. TOLERANCE 5mm MAX CHANGE IN HEIGHT EACH SIDE OF JOINT

SETOUT NOTES

1. SETOUT AND INSTALLATION IS TO BE IN STRICT ACCORDANCE WITH R.M.S. CRITERIA AND GUIDELINES PROVIDED IN R.T.A TECHNICAL DIRECTION POLICY / GUIDELINES / ADVICE/ TD 2010/SR02.
2. WHEN SETTING OUT FENCE CONSIDERATION TO VEHICLE SIGHT LINES TO BE TAKEN INTO ACCOUNT WHEN SETTING OUT PEDESTRIAN FENCE AT AN INTERSECTION.
3. FENCE NOT TO BE INSTALLED WITHIN 1.0m FROM A TRAFFIC SIGNAL POST.

TABLE 1 - REINFORCED PAVEMENT SPECIFICATIONS

TYPE	EXPOSURE ZONE	F'c (MPa)	T(MIN)	REINFORCEMENT	COVER (mm)
RESIDENTIAL	ALL EXCLUDING COASTAL AND SURF ZONE	25	100	SL72	40
COMMERCIAL		25	125	SL82	
RESIDENTIAL	WITHIN COASTAL ZONE	32	100	SL72	45
COMMERCIAL		32	125	SL82	
RESIDENTIAL	WITHIN SURF ZONE	32	125	FIBRE REINFORCED WITH EPC 4.2mm FIBRES @ 3.5Kg/m3	-
COMMERCIAL		32	150		

NOTE:
1. SURF ZONE IS WITHIN 500m OF THE COASTLINE
2. COASTAL ZONE IS WITHIN 1000m OF THE COASTLINE OR WITHIN 100m OF THE HARBOUR/HUNTER RIVER