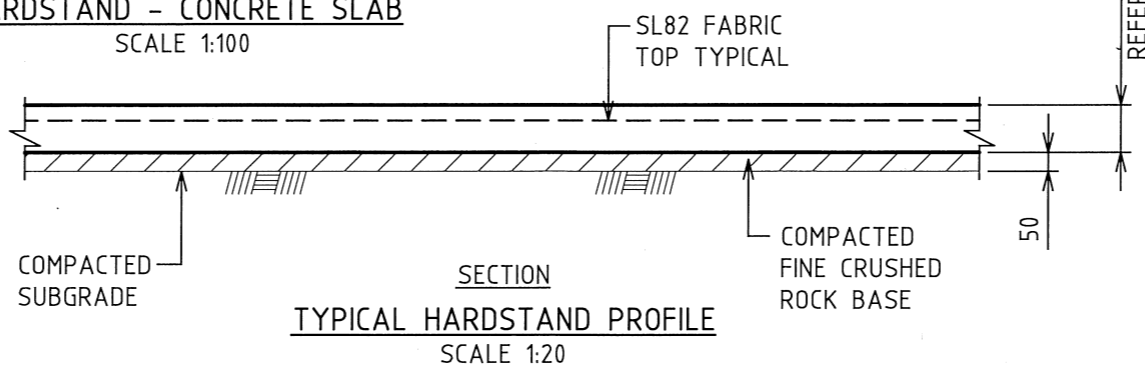


HARDSTAND - CONCRETE SLAB
SCALE 1:100



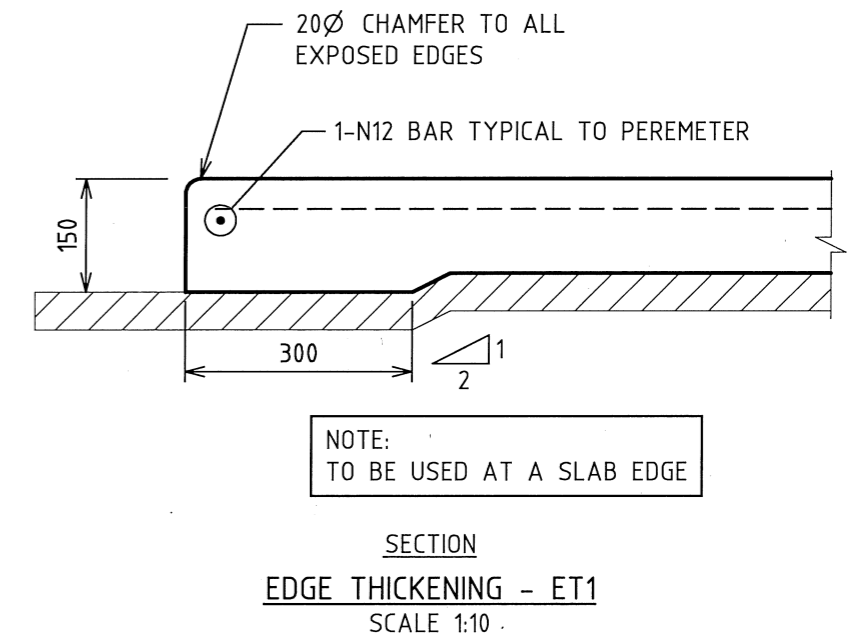
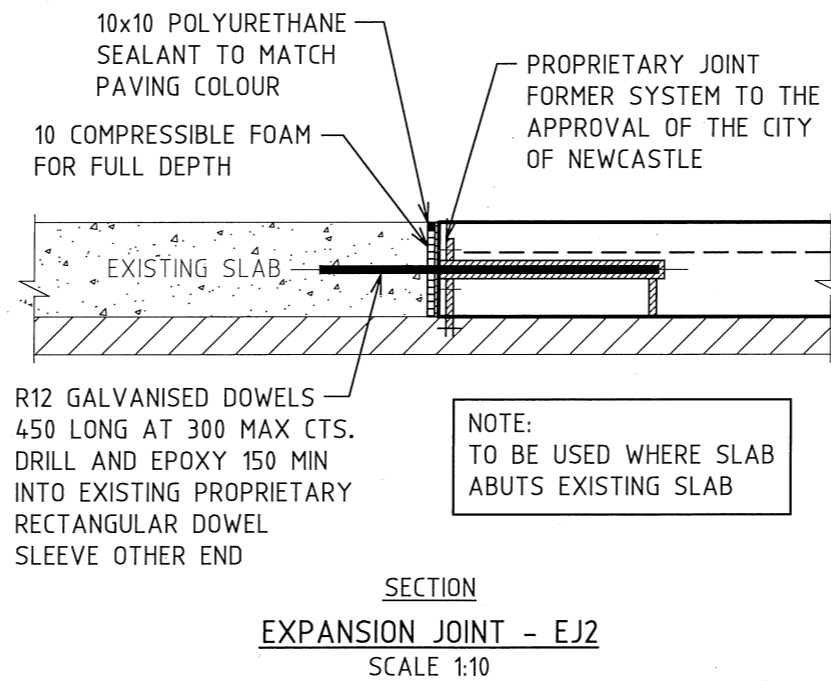
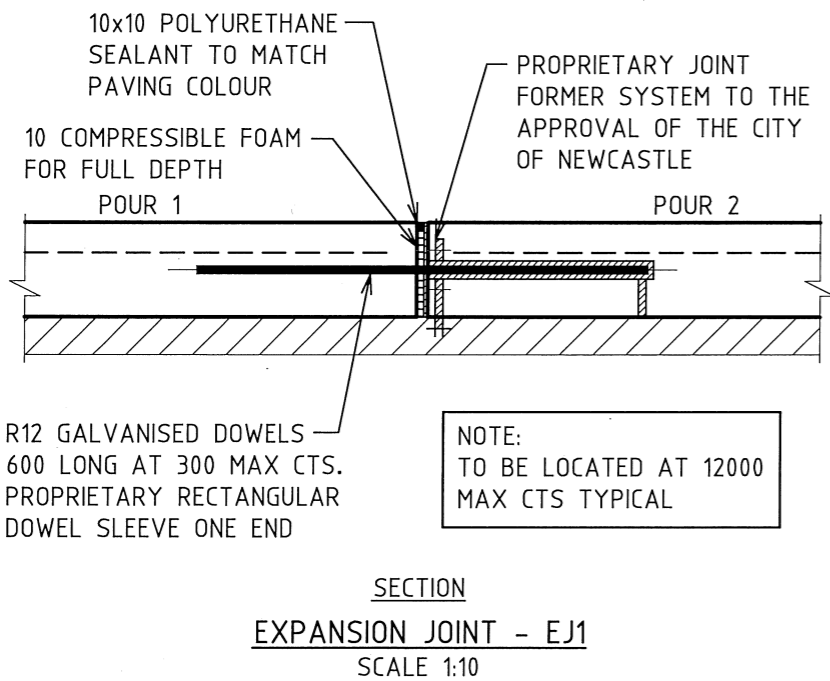
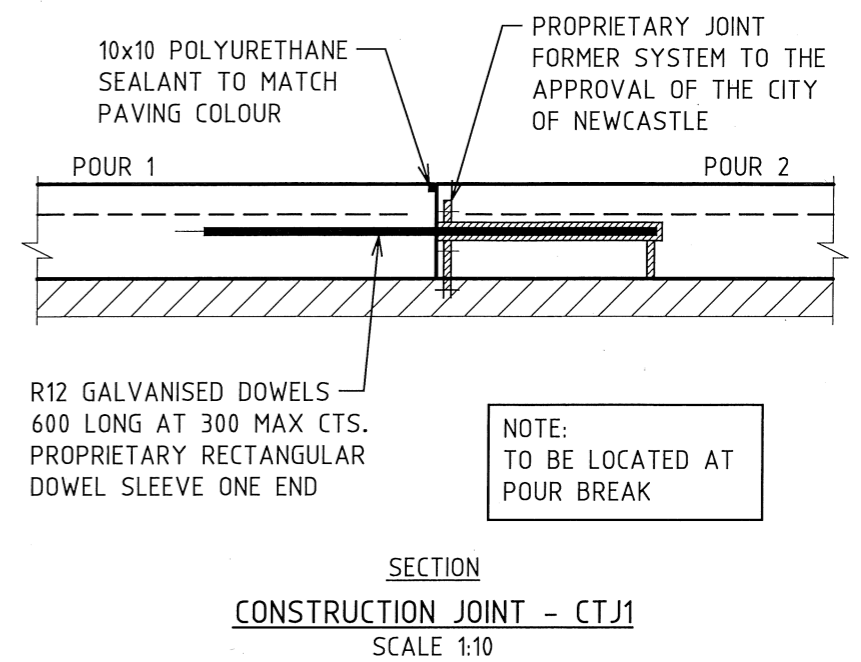
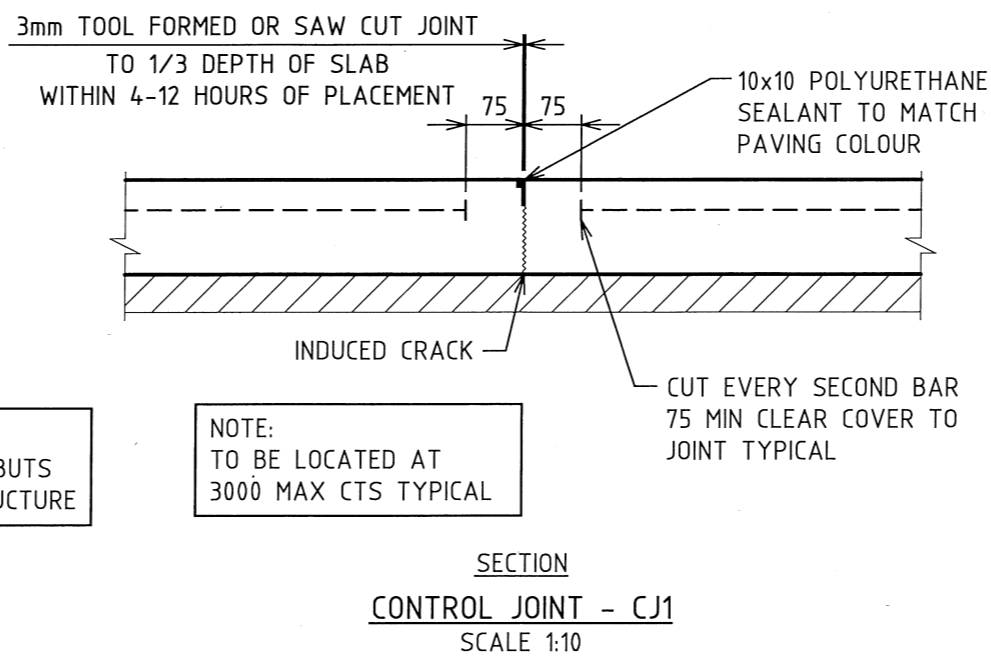
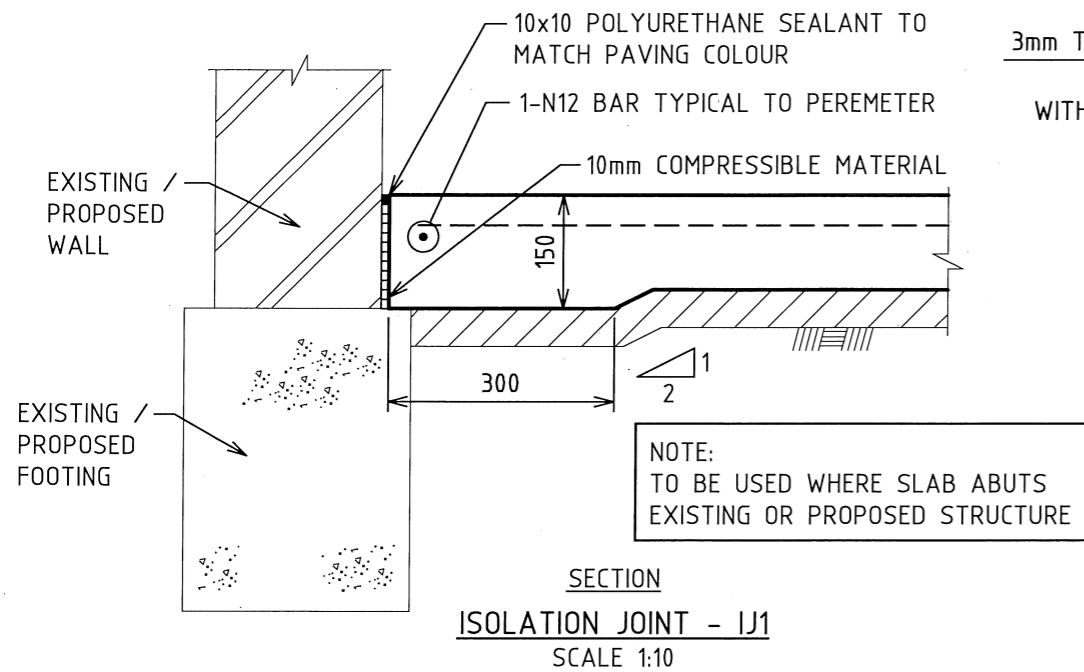
TYPICAL HARDSTAND PROFILE
SCALE 1:20

DENOTES 2-N12 TRIMMER BARS TOP 1200 LONG FIXED TO UNDERSIDE OF FABRIC AT NON CONTINUOUS JOINTS AND REENTRANT CORNERS TYPICAL
 DENOTES SLAB PENETRATION. IT IS PREFERABLE TO HAVE JOINTS ALIGN WITH PENETRATIONS

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. PAVEMENT IS TO BE FOUNDED ON FIRM NATURAL CUT GROUND OR COMPACTED FILL. ANY SOFT AREAS ARE TO BE REMOVED AND REPLACED WITH COMPACTED FILL TO MEET A MINIMUM OF 100KPa ALLOWABLE BEARING PRESSURE.
3. ANY FILL MUST BE PLACED IN 150mm THICK MAXIMUM LAYERS AND COMPACTED TO A RELATIVE DRY DENSITY OF 98% TO AS1289.5.1.1.
4. THE BASE COURSE IS TO BE GRANULAR GRADED MATERIAL, SUCH AS FINE CRUSHED ROCK.
5. HARDSTANDS GENERALLY TO BE DESIGNED TO HAVE A 2.5% MAX CROSS FALL. POORLY DRAINED SITES MAY REQUIRE SUB SURFACE DRAINAGE TO PROTECT THE PAVEMENT.
6. THE FINISHED LEVEL OF ANY PAVEMENT ABUTTING A WALL MUST BE BELOW THE DAMP PROOF COURSE AND MUST NOT OBSCURE ANY WEEP HOLES OR DRAINAGE OPENINGS.
7. DOWELS ARE TO BE ACCURATELY ALIGNED PARALLEL TO THE PAVEMENT SURFACE AND THE PAVEMENT CENTRE LINE. ALL DOWELS AND JOINT FORMERS ARE TO BE GALVANISED.
8. POLYURETHANE / SILICONE SEALANT TO MATCH PAVING COLOUR TO TOP 10mm JOINT.
9. CONCRETE THICKNESS, GRADE, REINFORCEMENT AND COVER IS AS DETAILED IN TABLE 1
10. TO ASSIST IN THE CURING AND DURABILITY OF HARDSTAND 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 SPECIFIED 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.
11. RUN SURFACE TEXTURE TO EDGE ALL ROUND INCLUDING STEEL TROWELLED SURFACE EDGES.
12. TOLERANCE 3mm MAX CHANGE IN HEIGHT EACH SIDE OF JOINT.
13. PAVING COLOUR AS SPECIFIED.
14. HARDSTAND PAVEMENT IS DESIGNED FOR LIGHT DUTY TRAFFIC LOADING (OPERATION OF VEHICLES NOT EXCEEDING 3 TONNES) OR MEDIUM DUTY TRAFFIC LOADING (OPERATION OF VEHICLES NOT EXCEEDING 10 TONNES) IN ACCORDANCE WITH TABLE 1.

A3 ORIGINAL		THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED		COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.	APPROVED:	DATE: 16/1/15	THE CITY OF NEWCASTLE HARDSTAND CONCRETE SLAB	NCC PLAN No. A3300	SHEET No. 1 OF 2 SHEETS
1	CONSTRUCTION	18.12.14	T.A.	SCALE	AS SHOWN	LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES					
0	PRELIMINARY	18.11.14	T.A.								
No.	AMENDMENT DETAILS	DATE	INITIALS								



TRAFFIC	EXPOSURE ZONE	F'c (MPa)	T(MIN)	REINFORCEMENT	COVER (mm)
LIGHT	ALL EXCLUDING COASTAL AND SURF ZONE	25	100	SL72	40
MEDIUM		25	125	SL82	
LIGHT	WITHIN COASTAL ZONE	32	100	SL72	45
MEDIUM		32	125	SL82	
LIGHT	WITHIN SURF ZONE	32	125	FIBRE REINFORCED WITH EPC 4.2mm FIBRES @ 3.5Kg/m3	-
MEDIUM		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 HARBOUR/HUNTER RIVER