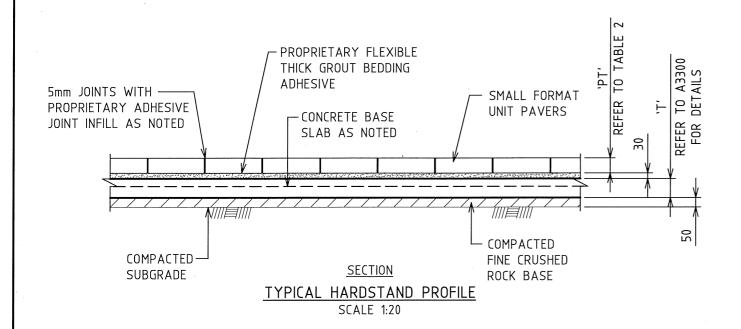


PLAN
HARDSTAND - SMALL FORMAT UNIT PAVING ON A RIGID BASE SYSTEM (NON-INFILTRATION)
SCALE 1:100

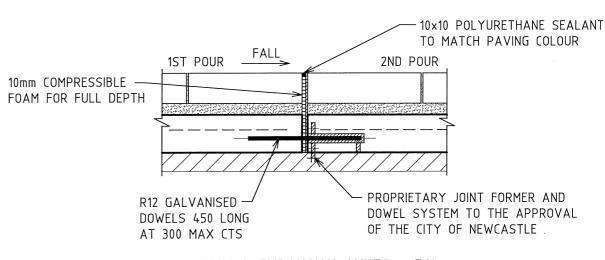


## **NOTES**

- 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% 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 FOR THE CONCRETE BASE IS AS DETAILED ON STANDARD DRAWING A3300 TABLE 1
- 10. TO ASSIST IN THE CURING AND DURABILITY OF THE CONCRETE BASE SLAB:
- THE SUB BASE SHOULD BE THOROUGHLY MOISTENED PRIOR TO PLACING CONCRETE (RESULTING IN REDUCED LOSS OF MOISTURE);
- 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. SMALL FORMAT UNIT PAVING IN ACCORDANCE WITH TABLE 2 MINIMUM REQUIREMENTS.
- 12. PREPARATION AND INSTALLATION OF BEDDING AND PAVERS IS TO BE IN STRICT ACCORDANCE WITH THE PAVER MANUFACTURERS SPECIFICATIONS.
- 13. TOLERANCE 3mm MAX CHANGE IN HEIGHT EACH SIDE OF JOINT.
- 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).

## TYPICAL APPLICATION

- 1. GRANITE SET BANDING INSERT IN CONCRETE SLAB OR LARGE FORMAT UNIT PAVING
- 2. USE IN SMALL QUANTITIES ONLY.
- 3. TYPICAL PRODUCTS INCLUDE;
  - a) CONCRETE BRICK SIZED PAVERS TYPICALLY 150Wx300Lx80D
  - b) STONE SETT TYPICALLY 90Lx90W OR 100Lx100W AND 40-100 DEEP



TYPICAL EXPANSION JOINTS - EJ1
SCALE 1:10

				SCALE		LIVEABLE CITY	APPROVED:	THE CITY OF NEWCASTLE	NCC PLAN No.	SHEET No.
1	CONSTRUCTION	18.12.14	T.A.	AS SHOW	/N	The City of Newcastle		HARDSTAND	A3302	1 0F
0	PRELIMINARY	18.11.14	T.A.	A3 3110WIV			SIGNED:INFRASTRUCTURE MANAGEMENT SERVICES MANAGER	SMALL FORMAT UNIT PAVING ON A RIGID BASE SYSTEM (NON-INFILTRATION)		"
No.	AMENDMENT DETAILS	DATE	INITIALS			REVIEWED: J.C.				_ '
A3 ORIGINAL	THIS SHEET WAS PREPARED IN COLOUR AND W	LL BE INCOMPLI	TE IF COPIED	COORDINATE SYSTEM:	HEIGHT DATUM: AHD	REVIEWED: J.C.	DATE:	THE BRIDE STOTES (MONTH IN ILLINIAL TOP)	AMENDMENT No.	SHEETS

	TABLE 2	- SMALL FORMAT U	NIT PAVING (NON	I-INFILTRATION)	- MINIMUM REQ	UIREME	NTS		
	MATERIAL	NOMINAL SIZE (mm)	'PT' PAVEMENT THICKNESS (mm)	STRENGTH		MAXIMUM ABRASION			
PAVEMENT APPLICATION				CONCRETE CHARACTERISTIC BREAKING LOAD (KN) AS4456.5	STONE FLEXURAL STRENGTH (MPa)	RESISTANCE FOR PEDESTRIAN VOLUME AS4456.9			SLIP RESISTANCE CLASS AS4586
						LOW	MEDIUM	HIGH	
PEDESTRIAN AND	CONCRETE	150x300	50	3.0 KN	_ '	7	5.5	3.5	W
LIGHT TRAFFIC	STONE	100×100 150×150 150×300	40	-	11	7	5.5	3.5	W
PEDESTRIAN AND	CONCRETE	150x300	60	5.0 KN	-	7	5.5	3.5	W
MEDIUM TRAFFIC	STONE	100×100 150×150 150×300	60	-	14	7	5.5	3 <b>.</b> 5	· W

				SCALE	LIVEABLE CITY	APPROVED:	THE CITY OF NEWCASTLE	NCC PLAN No.	SHEET No.
1	CONSTRUCTION	18.12.14	T.A.	AS SHOWN	The city of Newcastle		- HARDSTAND	A3302	2
0	PRELIMINARY AMENDMENT DETAILS	18.11.14 DATE	T.A.	AS SHOWN		SIGNED:INFRASTRUCTURE MANAGEMENT SERVICES MANAGER	SMALL FORMAT UNIT PAVING ON A		2
A3 ORIGINAL	THIS SHEET WAS PREPARED IN COLOUR AN			COORDINATE SYSTEM: HEIGHT DATUM: AHD	REVIEWED: J.C.	DATE: 161113	RIGID BASE SYSTEM (NON-INFILTRATION)	AMENDMENT No.	SHEETS