

ENSURE JOINTS TO PAVING UNITS

ALIGN WITH JOINTS TO BASE SLAB

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. PATHS GENERALLY TO BE DESIGNED TO HAVE A 2.5% CROSS FALL. POORLY DRAINED SITES MAY REQUIRE SUB SURFACE DRAINAGE TO PROTECT THE FOOTWAY 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 CENTER LINE. ALL DOWELS AND JOINT FORMERS ARE TO BE GALVANISED.
- 8. BITUMINOUS JOINT FILLER TO SEAL THE EXPOSED SURFACE OF THE EXPANSION JOINT AND SHOULD THEREFORE BE LOCATED TO THE JOINT TOP AND JOINT EDGES.
- 9. CONCRETE THICKNESS, GRADE, REINFORCEMENT AND COVER IS AS DETAILED IN TABLE 10. 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);
- CURING SHOULD INITIATED BY APPLYING A CURING COMPOUND AT THE RATE OF 0.3 L/MIN^2 ;
- 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.

- 11. LARGE FORMAT PAVING TO BE IN ACCORDANCE WITH TABLE 4 MINIMUM REQUIREMENTS.
- 12. PREPARATION AND INSTALLATION OF BEDDING AND PAVERS IS TO BE IN STRICT ACCORDANCE WITH PAVER MANUFACTURERS SPECIFICATIONS.
- 13. TOLERANCES:
- CHANGE IN HEIGHT EACH SIDE OF JOINT 3mm
- CROSS FALL 0% TO +/- 0.5% DESIGN
- THICKNESS +20mm / -0mm
- UNDULATION IN ALL DIRECTIONS: 1mm OVER 250mm, 5mm OVER 1.5m, 10mm OVER 3m OR JOINT TO JOINT (WHICHEVER GREATER)
- 14. RESIDENTIAL FOOTWAY PAVEMENT IS DESIGNED FOR LIGHT DUTY TRAFFIC LOADING. (OCCASIONAL CARS ONLY).
- 15. COMMERCIAL FOOTWAY PAVEMENT IS DESIGNED FOR MEDIUM DUTY TRAFFIC LOADING (OCCASIONAL TRUCKS OR ELEVATED WORK PLATFORMS. PNEUMATIC TYRES ONLY).
- 16. FOOTWAY PAVING CONSTRUCTED IN ZONES OF FUTURE SUBGRADE DISTURBANCE OR TREE ROOT GROWTH REQUIRE A PROPRIETARY FLEXIBLE JOINTING SYSTEM TO PREVENT JOINT STEPPING APPROVED BY NEWCASTLE CITY COUNCIL.
- 17. APPLY A PENETRATING CONCRETE SEALER TO THE SURFACE ONCE FULL CURING HAS BEEN ACHIEVED AND HONING AND DECORATIVE SAW CUTTING HAS BEEN COMPLETED. THE CHOSEN SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. SEALER CHOSEN MUST NOT INCREASE OR DECREASE SLIP RESISTANCE OF THE FINISH. PROPRIETARY EXAMPLE OF AN APPROPRIATE SEALER INCLUDES, BUT IS NOT LIMITED TO:
- DRY TREAT STAIN PROOF OR COUNCIL APPROVED.

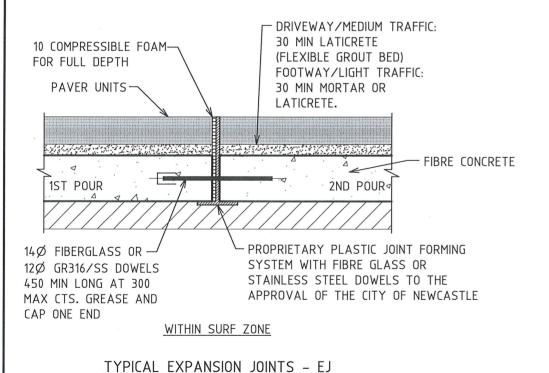


TABLE 4 - LARGE FORMAT UNIT PAVING (NON-INFILTRATION) - MINIMUM REQUIREMENTS											
PAVEMENT APPLICATION	MATERIAL	NOMINAL SIZE (mm)	'PT' PAVEMENT THICKNESS (mm)	STRENGTH		MAXIMUM ABRASION		CLID			
				CONCRETE CHARACTERISTIC BREAKING LOAD (KN) AS4456.5	STONE FLEXURAL STRENGTH (MPa)	RESISTANCE FOR PEDESTRIAN VOLUME AS4456.9			SLIP RESISTANCE CLASS AS4586		
						LOW	MEDIUM	HIGH	7.5 7500		
PEDESTRIAN AND LIGHT TRAFFIC	CONCRETE	300x300 400x400 450x450	50	7		7	5.5	3.5	W		
	STONE	450x450 600x450 900x450 600x300 300x300	40	-	11	7	5.5	3.5	W		
PEDESTRIAN AND MEDIUM TRAFFIC	CONCRETE	300x300 400x400 450x450	60 65 70	13.8 15.5 18.8	-	7	5.5	3.5	W		
	STONE	450x450 600x450 900x450 600x300 300x300	60	-	14	7	5.5	3.5	W		

3		GENERAL REVISION	18.07.17	T.A.	
2		GENERAL REVISION	05.07.16	T.A.	
1		GENERAL REVISION	18.08.15	T.A.	Δ
0		CONSTRUCTION	29.04.14	T.A.	
No.		AMENDMENT DETAILS	DATE	INITIALS	
A3 ORI	GINAL	THIS SHEET WAS PREPARED IN COLOUR AND WI	LL BE INCOMPLE	TE IF COPIED	COORDINATE SYSTEM:

SCALE 1:10

NOTE:

AS SHOWN

SCALE

HEIGHT DATUM: AHD

INFRASTRUCTURE MANAGEMENT SERVICES

REVIEWED: J.C.

SIGNED:
INFRASTRUCTURE MANAGEMENT/SERVICES MANAGER
DATE:
18-7-17

APPROVED.

FOOTWAY PAVING PAVERS
FULL WIDTH

THE CITY OF NEWCASTLE

NCC PLAN No. SHEET No. 2

OF 2

AMENDMENT No. SHEETS