

PLAN

HARDSTAND - SMALL FORMAT UNIT PAVING ON A FLEXIBLE BASE SYSTEM (INFILTRATION)

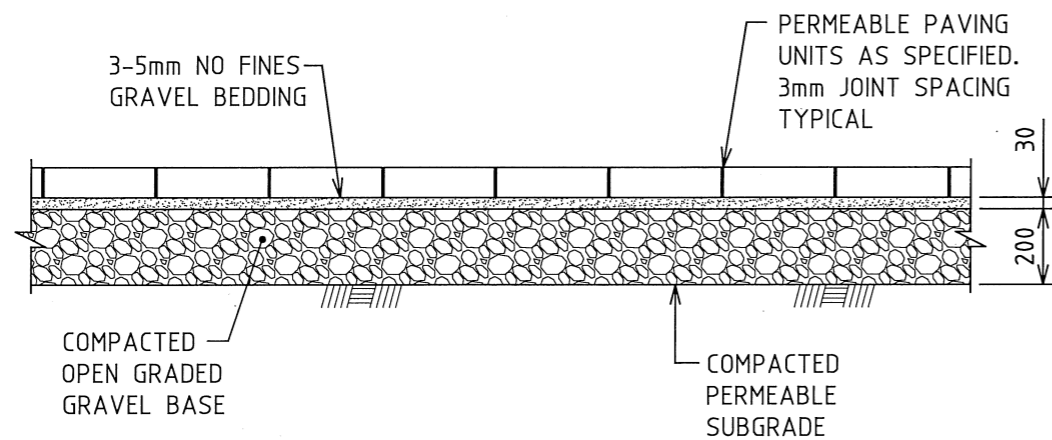
SCALE 1:100

NOTES

1. ALL WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE CURRENT AUSTRALIAN STANDARDS IN PARTICULAR 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 200 MIN THICK POROUS GRAVEL EQUAL TO 20mm DGB20 NO FINES AGGREGATE FROM BORAL SEAHAM QUARRY TO RMS SPECIFICATION 3051. 100mm LAYERS COMPACT TO NO LESS THAN 98% STANDARD MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289.5.1.1.
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 FOOTWAY PAVEMENT.
6. SMALL FORMAT UNIT PAVING TO BE IN ACCORDANCE WITH TABLE 3 MINIMUM REQUIREMENTS.
7. PREPARATION AND INSTALLATION OF BEDDING AND PAVERS IS TO BE IN STRICT ACCORDANCE WITH THE PAVER MANUFACTURERS SPECIFICATIONS.
8. 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.
9. 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. FOR PARKING LANE UNIT PAVING FOR INFILTRATION
2. TYPICAL PRODUCTS INCLUDE;
  - a) SMALL FORMAT UNIT PAVER - HYDROSTON
  - b) SMALL FORMAT UNIT PAVER - ADBRI ECOTRIHEX



SECTION

TYPICAL HARDSTAND PROFILE

SCALE 1:20

1	CONSTRUCTION	18.12.14	T.A.
0	PRELIMINARY	18.11.14	T.A.
No.	AMENDMENT DETAILS	DATE	INITIALS
A3 ORIGINAL THIS SHEET WAS PREPARED IN COLOUR AND WILL BE INCOMPLETE IF COPIED			

SCALE	AS SHOWN
COORDINATE SYSTEM:	HEIGHT DATUM: AHD

LIVEABLE CITY  
 THE CITY OF NEWCASTLE  
 INFRASTRUCTURE MANAGEMENT SERVICES

REVIEWED: J.C.

APPROVED:

SIGNED: *[Signature]*  
 INFRASTRUCTURE MANAGEMENT SERVICES MANAGER

DATE: 16/11/15



THE CITY OF NEWCASTLE

HARDSTAND  
 SMALL FORMAT UNIT PAVING ON A  
 FLEXIBLE BASE SYSTEM (INFILTRATION)

NCC PLAN No.	A3304	SHEET No.	1
		OF	2
AMENDMENT No.		SHEETS	

TABLE 3 - SMALL FORMAT UNIT PAVING (INFILTRATION) - MINIMUM REQUIREMENTS

PAVEMENT APPLICATION	MATERIAL	NOMINAL SIZE (mm)	'PT' PAVEMENT THICKNESS (mm)	STRENGTH			SLIP RESISTANCE CLASS AS4586	
				CONCRETE CHARACTERISTIC BREAKING LOAD (KN) AS4456.5	MAXIMUM ABRASION RESISTANCE FOR PEDESTRIAN VOLUME AS4456.9			
					LOW	MEDIUM		HIGH
PEDESTRIAN AND LIGHT TRAFFIC	CONCRETE	88x181 138x206 300x300	50	12	7	5.5	3.5	W
PEDESTRIAN AND MEDIUM TRAFFIC	CONCRETE	88x181 138x206 300x300	80	12	7	5.5	3.5	W

				SCALE AS SHOWN		 LIVEABLE CITY INFRASTRUCTURE MANAGEMENT SERVICES		APPROVED:  SIGNED: ..... INFRASTRUCTURE MANAGEMENT SERVICES MANAGER DATE: 16/11/15		THE CITY OF NEWCASTLE HARDSTAND SMALL FORMAT UNIT PAVING ON A FLEXIBLE BASE SYSTEM (INFILTRATION)		NCC PLAN No. <b>A3304</b>		SHEET No. 2 OF 2 SHEETS	
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