

PLAN

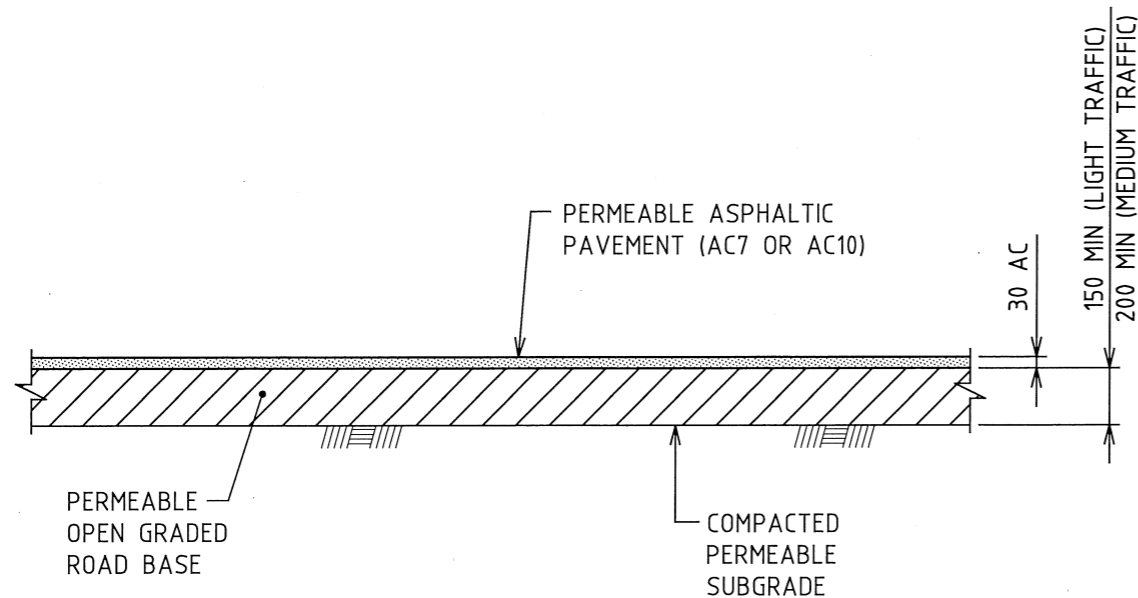
HARDSTAND - POROUS ASPHALT OVER COMPACTED OPEN GRADED GRAVEL BASE

SCALE 1:100

NOTES

1. ALL WORKMANSHIP AND MATERIAL SHALL COMPLY WITH THE CURRENT AUSTRALIAN STANDARDS IN PARTICULAR AS3727, AS2150 & AS2734 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 150 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. THE SURFACE OF THE BASE COURSE PRIOR TO LAYING ASPHALT SHOULD BE FIRM AND FREE OF SURFACE WATER OR LOOSE MATERIAL AND DUST. IMMEDIATELY PRIOR TO PLACING ASPHALT, THE SURFACE OF THE BASE COURSE SHOULD BE TACK COATED WITH A BITUMINOUS EMULSION SPRAY IN ACCORDANCE WITH AS2734
6. 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.
7. 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.
8. POROUS ASPHALT TO RMS SPECIFICATION R119 OPEN GRADED ASPHALT.
9. THE ASPHALT PAVEMENT SHALL BE COMPACTED WHILE HOT (ABOVE 140 DEGREE CELSIUS). TO ACHIEVE A DENSE, SMOOTH SURFACE FREE OF ROLLER MARKS OR LOOSE MATERIAL. EXCEPT IN INACCESSIBLE AREAS WHERE VIBRATORY PLATES AND HAND TAMPERS ARE PERMISSIBLE, THE COMPACTION SHOULD BE MECHANIZED ROLLERS.
10. FINISHED SURFACE LEVELS SHALL BE WITHIN 10mm OF THE SPECIFIED LEVEL AT ANY POINT, AND THE SURFACE ON THE PLANE SECTION SHOULD NOT DEVIATE BY MORE THAN 10mm FROM THE BOTTOM OF A 3m LONG STRAIGHT EDGE LAID IN ANY DIRECTION.
11. THE MINIMUM SITE DENSITY OF THE COMPACTED MIX SHOULD BE 95% OF THE 50 BLOW MARSHALL DENSITY OF THE LABORATORY COMPACTED MIX AS SPECIFIED IN AS2150.
12. 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).

AC7 - TO BE USED IN HIGH PEDESTRIAN ACTIVITY AREAS.
(EG. COMMERCIAL AREAS, SCHOOLS, OUTDOOR DINING)
AC10 - TO BE USED IN LOW PEDESTRIAN ACTIVITY AREAS.
(EG. RESIDENTIAL AREAS)



SECTION
TYPICAL HARDSTAND PROFILE

SCALE 1:20

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

SCALE	AS SHOWN
COORDINATE SYSTEM:	HEIGHT DATUM: AHD

LIVEABLE CITY
INFRASTRUCTURE MANAGEMENT SERVICES

APPROVED: *[Signature]*
SIGNED: *[Signature]*
INFRASTRUCTURE MANAGEMENT SERVICES MANAGER
DATE: 16/11/15

REVIEWED: J.C.

THE CITY OF NEWCASTLE

HARDSTAND
POROUS ASPHALT OVER COMPACTED
OPEN GRADED GRAVEL BASE

NCC PLAN No.	A3307
AMENDMENT No.	

SHEET No.	1
OF	1
SHEETS	1