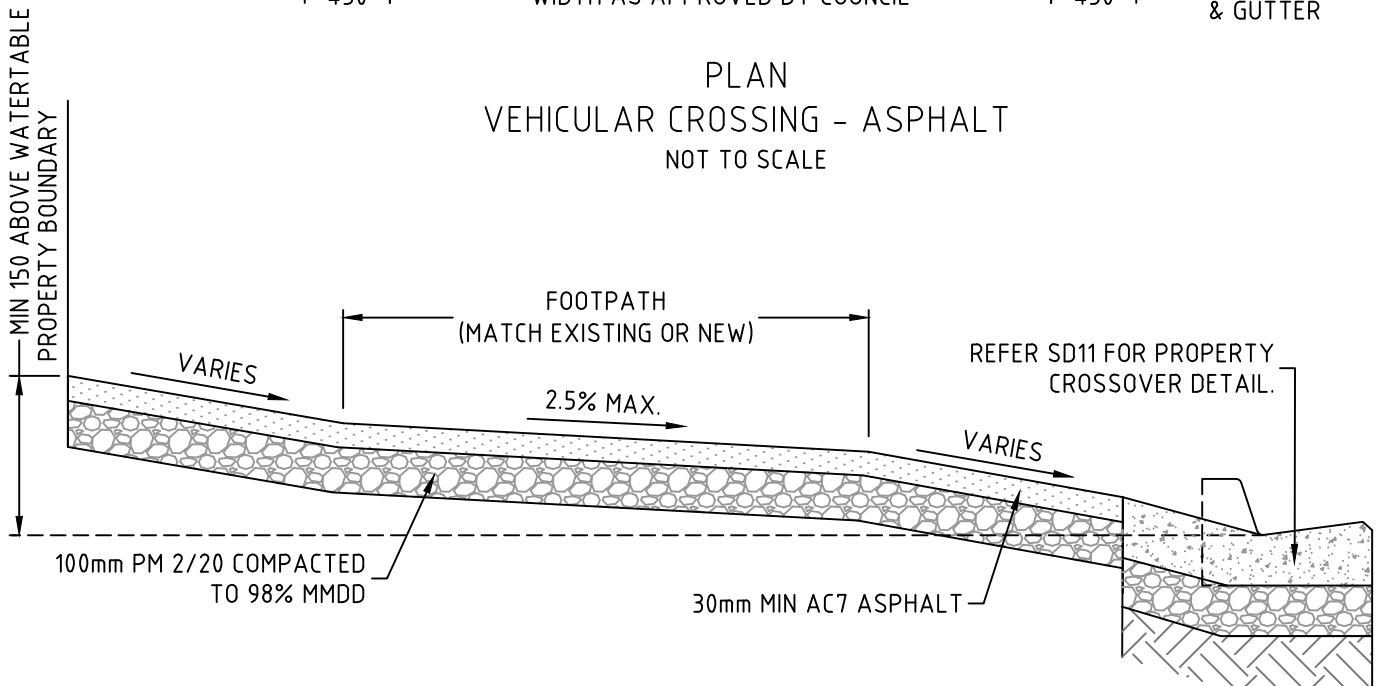


PLAN
VEHICULAR CROSSING - ASPHALT
NOT TO SCALE



SECTION VEHICULAR CROSSING
NOT TO SCALE

NOTE:
REFER SHEET 2 OF 2 FOR CONSTRUCTION SPECIFICATIONS AND FURTHER INFORMATION



REVISIONS		
No.	BY	DATE
1	A. MOLLOY	MAY 2020
0	A. MOLLOY	MAY 2014
A	A. MOLLOY	MAR 2014

STANDARD DETAILS
RESIDENTIAL VEHICULAR CROSSING - ASPHALT

SCALE AS SHOWN

ADELAIDE HILLS COUNCIL		
SHEET	1	of 2
REVISION	1	
DRAWING No.	SD15	

ASPHALT TO COMPLY WITH THE FOLLOWING STANDARDS

- DPTI SPECIFICATION PART RD-BP-S2 - SUPPLY OF ASPHALT
- DPTI SPECIFICATION PART RD-BP-C3 - CONSTRUCTION OF ASPHALT PAVEMENTS

BASE PREPARATION

- EXCAVATE THE GROUND TO EXPOSE SUB SOIL AND GRADE OUT IRREGULARITIES TO FORM 1.8M WIDE FORMATION TRAY (WIDTH OF FORMATION TRAY FOR 1.8M WIDE PATH BASE WITH 1.5M WIDE PATH SURFACE) TO MAXIMUM DEPTH OF 100MM BELOW GROUND LEVELS.
- FORMATION TRAY SHOULD BE RECTANGULAR IN SECTION WITH VERTICAL SIDES AND LEVEL BASE.
- STRIPPED VEGETATION AND EXCAVATED TOPSOIL TO BE STACKED NEATLY EITHER SIDE OF FORMATION TRAY TO FORM RAISED PATH SHOULDERS.
- IF SOFT SPOTS ARE PRESENT, EXCAVATE THE AREA BELOW FORMATION LEVEL UNTIL THE SUBGRADE IS STABLE.

BASE CONSTRUCTION

- COMPACT BASE LAYER THOROUGHLY TO REFUSAL USING A HEAVY RIDE-ON TANDEM VIBRATING ROLLER OR HIGH FREQUENCY, LOW AMPLITUDE FLAT PLATE COMPACTOR WITH MINIMUM PLATE AREA OF 0.25M² UNTIL FULL COMPACTION IS ACHIEVED.
- ONCE BASE LAYER IS COMPACTED, CHECK LEVELS OF THE SURFACE AT REGULAR INTERVALS ALONG THE COMPACTED SUB BASE LAYER FOR CONSISTENT EVEN SURFACE REGULARITY, WHICH SHOULD BE ACCURATE TO MAXIMUM GAP OF 10MM UNDER A 3.0M LONG STRAIGHT EDGE, WITH NO HIGH OR LOW POINTS OR HOLLOWES.
- ANY PART OF THE BASE LAYER DEVIATING FROM THE REQUIRED LEVEL MUST BE RAKED OFF OR TOPPED UP WITH ADDITIONAL GRANULAR BASE AND RE-COMPACTED TO THE CORRECT LEVELS.
- CHECK THE FINISHED COMPACTED SUB BASE LAYER IS CLOSED TIGHTLY WITH NO EXPOSED SURFACE VOIDS BEFORE LAYING THE SURFACE BITUMEN COURSE LAYER. IF NECESSARY, FILL ANY VOIDE WITH 6MM QUARRY WHIN DUST.

WEARING COURSE LAYER

- USING MINI PAVING MACHINE OR HAND LAY 30MM DEPTH OF DENCE AC7 BITUMEN TO FALLS AND LEVELS, TO FORM 1.5M WIDE PATH SURFACE WITH 1:50 (2%) CAMBER OR 1:40 (2.5%) CROSSFALL ALONG THE CENTER LINE OF COMPACTED SUB BASE LAYER
- COMPACT SURFACE COURSE LAYER THOROUGHLY TO REFUSAL USING A HEAVY RIDE-ON TANDEM VIBRATING ROLLER OR HIGH FREQUENCY, LOW AMPLITUDE FLAT PLATE COMPACTOR WITH MINIMUM PLATE AREA OF 0.25M².
- ONCE COMPACTING IS FINISHED, CHECK LEVELS OF THE SURFACE AT REGULAR INTERVALS ALONG THE COMPACTED SURFACE COURSE LAYER FOR CONSISTENT EVEN SURFACE REGULARITY, WHICH SHOULD BE ACCURATE TO MAXIMUM GAP OF 5MM UNDER A 3.0M LONG STRAIGHT EDGE, WITH NO HIGH OR LOW POINTS OR HOLLOWES.
- ANY PART OF THE SURFACE COURSE LAYER DEVIATING FROM THE REQUIRED LEVEL MUST BE REGULATED WITH ADDITIONAL DENSE BITUMEN AND RE-COMPACTED TO THE CORRECT LEVELS, OR REPLACED.

BACKFILL

- BOTH SIDE OF PATH FORM AND BUILD UP VERGES LEVEL WITH PATH SURFACE USING AVAILABLE TOPSOIL AND TURFS TO COVER PATH BASE EDGES AND TO SUPPORT PATH SURFACE EDGES. BUTT TURFS TIGHTLY TOGETHER TO COVER EXPOSED ROOTS AND TOPSOIL.
- LANDSCAPED VERGES AND EDGES SHOULD BE FINISHED LEVEL WITH PATH SURFACE AND TAPER DOWN AND AWAY FROM THE PATH SURFACE TO ALLOW SURFACE WATER TO RUN OFF ONTO ADJACENT VERGES UNIMPEDED BY LANDSCAPED MATERIALS.



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RESIDENTIAL VEHICULAR CROSSING - ASPHALT
SPECIFICATIONS

SCALE AS SHOWN

ADELAIDE HILLS COUNCIL		
SHEET	2	of 2
REVISION	1	
DRAWING No.	SD15	