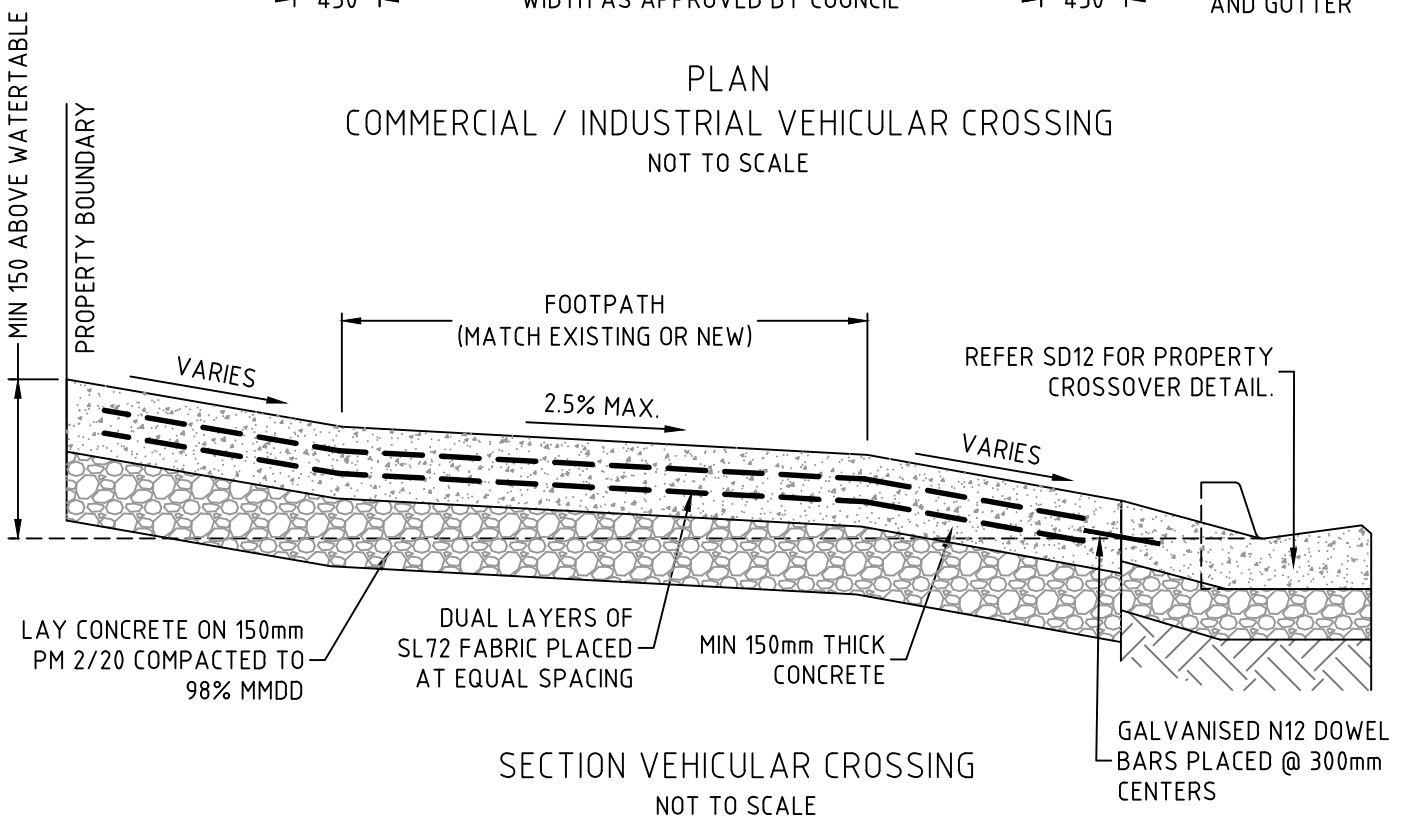


PLAN
COMMERCIAL / INDUSTRIAL VEHICULAR CROSSING
NOT TO SCALE



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

COMMERCIAL / INDUSTRIAL VEHICULAR
CROSSING - CONCRETE

SCALE AS SHOWN

ADELAIDE HILLS COUNCIL

SHEET

1 of 2

REVISION

1

DRAWING No.

SD16

GENERAL

- FORMWORK DESIGN AND CONSTRUCTION FORMED SURFACES: TO AS 3610 AND AS 3610.1.
- STEEL REINFORCEMENT FABRICATION AND FIXING TO AS3600.
- CONCRETE -MATERIALS AND CONSTRUCTION: TO AS 1379.
- CONCRETE GRADE TO BE N32, 150mm MIN THICK TO AS 3600.

PREPARATION

- POOR SUBGRADES: PROOF ROLL OR OTHERWISE VERIFY EXISTING SUBGRADES ARE SOUND. IF WEAK OR OTHERWISE UNSUITABLE SUBGRADES ARE ENCOUNTERED, SEEK DIRECTION FROM SUPERINTENDENT.
- EXISTING PAVEMENTS: DEMOLISH EXISTING KERB / PAVEMENT AS REQUIRED, AND TRIM / TOP-UP EXISTING RUBBLE SUBBASE, AND COMPACT TO 98% MMDD. IF NO RUBBLE BASE IS PRESENT, SEEK DIRECTION FROM SUPERINTENDENT.
- NEW PAVEMENTS: INSTALL KERBING DIRECTLY ONTO SUB-BASE PREPARED IN ACCORDANCE WITH PAVEMENT DETAIL.

REINFORCEMENT

- GENERAL: PROVIDE PROPRIETARY CONCRETE, METAL OR PLASTIC SUPPORTS TO REINFORCEMENT IN THE FORM OF CHAIRS, SPACERS, STOOLS, HANGERS AND TIES, WITH THE FOLLOWING SPACINGS:
 - FABRIC: 800MM.
- SECURE THE REINFORCEMENT AGAINST DISPLACEMENT BY TYING AT INTERSECTIONS WITH EITHER WIRE TIES, OR CLIPS. BEND THE ENDS OF WIRE TIES AWAY FROM NEARBY FACES OF FORMS SO THAT THE TIES DO NOT PROJECT INTO THE CONCRETE COVER.
- PROVIDE ALL REINFORCEMENT IN THE LENGTHS DOCUMENTED. IF SPLICING IS REQUIRE CONFORM TO AS/NZS 4671.

CONCRETE SUPPLY AND PLACE

- CLEAN AND MOISTEN THE AREA PRIOR TO PLACING CONCRETE: REMOVE ANY PONDING WATER.
- COMPACTION: USE IMMERSION AND SCREED VIBRATORS ACCOMPANIED BY HAND METHODS AS APPROPRIATE TO REMOVE ENTRAPPED AIR AND TO FULLY COMPACT THE MIX.
- DURING PLACEMENT AND PRIOR TO SETTING, DO NOT EXPOSE CONCRETE TO RAIN.
- TEMPERATURE: CONCRETE SHALL NOT BE POURED OR PLACED IF TEMPERATURE IS BELOW 5°, OR ABOVE 35°.
- PROVIDE CONCRETE SURFACES WHICH ARE TRUE AND EVEN, FREE FROM STONE POCKETS, DEPRESSIONS OR PROJECTIONS BEYOND THE SURFACE. ENSURE ALL ARISES ARE SHARP AND TRUE, AND MOLDINGS EVENLY MITRED OR ROUNDED.

CURING

- CURING: CURE CONTINUOUSLY FROM COMPLETION OF FINISHING FOR 7 DAYS, DURING WHICH THE AIR TEMPERATURE IN CONTACT WITH THE CONCRETE IS ABOVE 10°C. IF USING A CURING COMPOUND -PROVIDE A UNIFORM CONTINUOUS FLEXIBLE COATING WITHOUT VISIBLE BREAKS OR PINHOLES, WHICH REMAINS UNBROKEN AT LEAST FOR THE REQUIRED CURING PERIOD AFTER APPLICATION.
- PROTECT FROM TRAFFIC FOR 48 HOURS MINIMUM.

JOINTS

- IN FOOTPATHS, MEDIAN TOPPING AND DRIVEWAYS, UNLESS OTHERWISE DOCUMENTED, PROVIDE EXPANSION JOINTS 10 MM IN WIDTH FOR THE FULL DEPTH OF PAVING, CONSTRUCTED AT INTERVALS NOT EXCEEDING 10 M AND WHERE THE PAVEMENT ABUTS AGAINST GUTTERS, PITS AND STRUCTURES.
- TOOLED CONTROL JOINTS AT 2M CENTRES.

NOTES

- COMPLY WITH DISABILITY DISCRIMINATION ACT PRINCIPLES & AS1428 TO THE MAXIMUM EXTENT. SUBMIT PROPOSED DETAILS FOR APPROVAL WHERE COMPLIANCE CANNOT READILY BE ACHIEVED.
- REQUIRED CROSSFALL IN FOOTPATH 1:40. DESIRABLE DRIVEWAY LONGITUDINAL GRADE OF 1:14, MAXIMUM PERMISSIBLE LONGITUDINAL GRADE 1:8
- WHERE NECESSARY OR DIRECTED TO ENSURE SMOOTH TRANSITION TO EXISTING WORK, REPLACE SECTIONS OF FOOTPATH TO MATCH EXISTING.
- DURING POURING HOT DIP GALVANISED SECTIONS OF 100MM SQUARE SHALL BE CAST INTO KERB TO ALLOW FOR STORMWATER PIPES, ALLOWING MINIMUM 1 PER PROPERTY.

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A	A. MOLLOY	MAR 2014	DRAWING No.		SD16	
COMMERCIAL / INDUSTRIAL VEHICULAR CROSSING - CONCRETE SPECIFICATIONS				SCALE AS SHOWN		