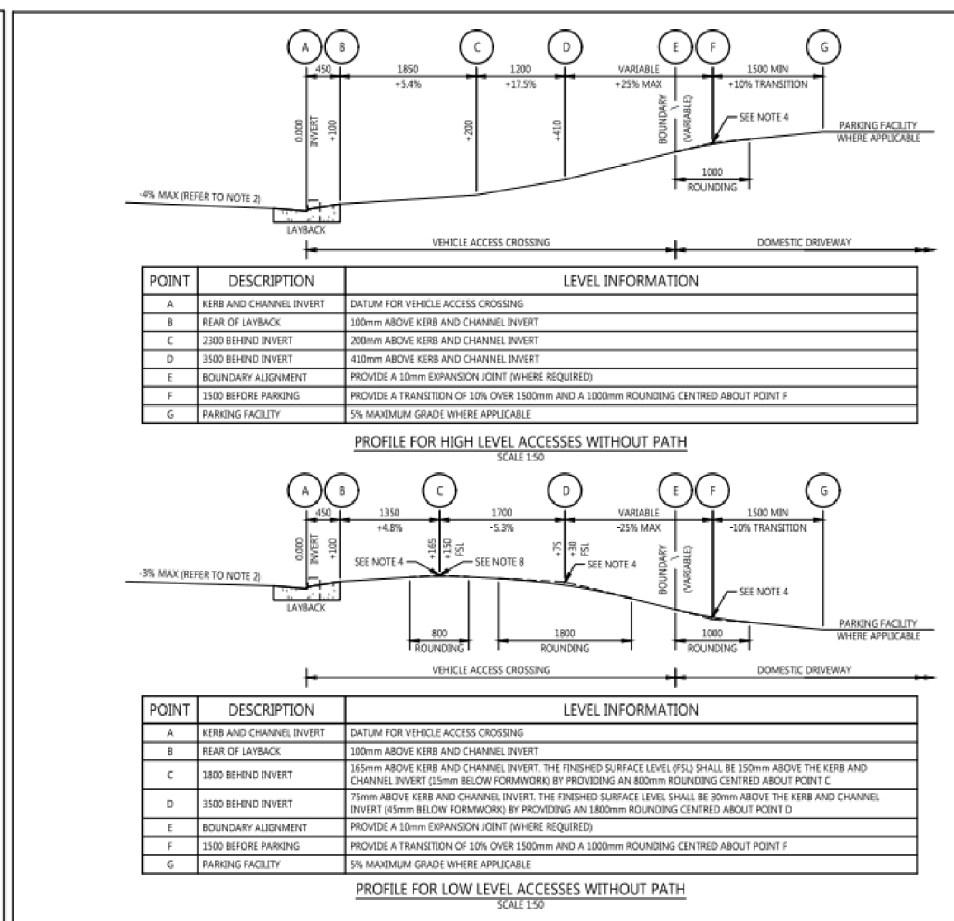


NOTES:

- THIS DRAWING IS TO BE USED AS A GUIDE ONLY. RESIDENTIAL VEHICULAR ACCESS CROSSINGS ARE TO BE DESIGNED AND CONSTRUCTED TO COMPLY WITH AS 2890.1 AND AS 3727.1.
- SUITABLY COMPACT APPROVED SUBGRADE MATERIAL. PROVIDE REPLACEMENT SUBGRADE IF REQUIRED.
- WHERE CLAY OR ROCK IS ENCOUNTERED A 25mm LAYER OF BEDDING SAND SHALL BE REQUIRED.
- CONCRETE STRENGTH GRADE SHALL BE M25 UNLESS OTHERWISE SPECIFIED AND SHALL CONFORM TO AS 1379 SPECIFICATION AND SUPPLY OF CONCRETE.
- EXPANSION JOINTS SHALL BE 10mm WIDE AND FILLED WITH A PREFORMED COMPRESSIBLE BITUMEN-IMPREGNATED FILLER AT 1.2m CENTRES AS SHOWN ON SHEET 2.
- CONTROL JOINTS SHALL BE FORMED AS SHOWN ON SHEET 2.
- SAW CONTROL JOINTS SHALL BE CUT AS SOON AS SURFACE IS HARD ENOUGH THAT IT WILL NOT CHIP, SPALL AND COLLAPSE ON THE CUTTING BLADE. GENERALLY, THIS SHOULD BE WITHIN 24 HOURS OF CONCRETE PLACEMENT.
- REINFORCING MESH SHALL BE FABRICATED TO AS 4671 STEEL REINFORCING MATERIALS.
- REINFORCING MESH IN SLABS SHALL BE PLACED WITH 30mm MINIMUM TOP COVER.
- DOWELS TO BE GALVANISED AND INSTALLED PARALLEL TO EACH OTHER AND PARALLEL TO FINISHED SURFACE.
- DOWELS ARE TO BE INSTALLED WITH DOWEL SLEEVE AND GREASED AT ONE END WITH A 10mm FREE MOVEMENT GAP AT THE GREASED END. UNLESS OTHERWISE NOTED.
- WHERE A NEW CROSSING IS TO BE CONSTRUCTED IN EXISTING KERB AND CHANNEL THE KERB MAY BE REMOVED BY SAW CUTTING ALONG THE INVERT. THE NEW LAYBACK SHALL BE TIED TO THE CHANNEL USING 400mm LONG N12 DEFORMED TI-BARS DRILLED AND EPOXYED INTO THE EXISTING CHANNEL AT 300mm CENTRES. REFER TO DETAILS ON SHEET 2.
- WHERE VEHICULAR ACCESS CROSSINGS ARE ALSO USED AS KERB RAMPS, THE LAYBACK SHALL BE MODIFIED TO OMIT THE 25mm BULLNOSE AND A KERB RAMP PROFILE AND SHAPE INTEGRATED WITH THE WHOLE VEHICULAR ACCESS CROSSING.
- ALTERNATIVE DECORATIVE VEHICULAR ACCESS CROSSING SURFACE TREATMENT MAY BE PROVIDED (NOT IN LAYBACK) AT THE LANDOWNER'S EXPENSE, OR IN COMMERCIAL AREAS, SUBJECT TO APPROVAL BY COUNCIL'S REPRESENTATIVE.
- REFER TO SD0508 FOR APPROPRIATE DRIVEWAY PROFILE CONFIGURATION.



NOTES:

- VEHICLE ACCESS CROSSING PROFILES ON THIS STANDARD DRAWING ARE BASED ON AS/NZS 2890.1 OFF-STREET CAR PARKING AND THE BBS DESIGN VEHICLE WITH A GROUND CLEARANCE OF 120mm (LOAD). REFER TO COUNCIL'S STANDARD PASSENGER CAR VERTICAL CLEARANCE PROFILE STANDARD DRAWING SD0509.
- A SITE SPECIFIC DESIGN BY A SUITABLY QUALIFIED AND EXPERIENCED CIVIL DESIGNER MAY BE REQUIRED DUE TO EXISTING CONSTRAINTS SUCH AS LOWER CLEARANCE VEHICLES OR WHERE LONGITUDINAL AND CROSSFALL GRADES ARE EXCESSIVE.
- THE MAXIMUM GRADE OF DOMESTIC DRIVEWAYS SHALL BE 25%. THE MAXIMUM GRADE OF THE ASSOCIATED ACCESS DRIVEWAY ACROSS A PROPERTY LINE OR BUILDING ALIGNMENT SHALL BE 5% AND ACROSS A FOOTPATH OR SHARED PATH ALIGNMENT SHALL BE 2.5% WHERE PRACTICABLE.
- TO PREVENT VEHICLES SCRAPING OR BOTTOMING, CHANGES IN GRADE IN EXCESS OF 12.5% FOR SUMMIT GRADE CHANGES AND 15% FOR 5%+ GRADE CHANGES REQUIRE INTRODUCTION OF A GRADE TRANSITION OR ROUNDING BETWEEN THE MAIN GRADE LINES.
- ENSURE ALL ADJACENT AREAS ARE ADEQUATELY SHAPED, GRADED AND TYPED/CONCRETED OR HAVE STORMWATER DRAINAGE PROVIDED SHOULD THE VEHICLE ACCESS CROSSING ADVERSELY AFFECT STORMWATER RUNOFF OR ROAD USER SAFETY.
- REFER TO COUNCIL'S VEHICULAR ACCESS CROSSING STANDARD DRAWINGS FOR FURTHER DESIGN AND CONSTRUCTION DETAILS.
- DEPTH OF SECONDARY GAP FLOW IN ROAD IS CRITICAL. PROVIDE 100mm MINIMUM FREEBOARD FROM MAJOR DESIGN STORM EVENT FLOW LEVEL TO HIGH POINT IN VEHICULAR ACCESS CROSSING.
- THE HIGHEST POINT IN LOW LEVEL ACCESSSES SHALL BE 150mm MINIMUM ABOVE INVERT OF KERB IRRESPECTIVE OF THE TYPE OF LAYBACK USED.
- ALL SERVICES UNDER VEHICULAR ACCESS CROSSING SHALL BE LOCATED BY POTHOLING AND RELOCATED WHERE REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE VEHICULAR ACCESS CROSSING APPLICANT IS TO PROVIDE INTERIM CONSTRUCTION PADS FOR SERVICE UTILITIES ENSURING CORRECT COVER IS PROVIDED TO FINISHED SURFACE LEVELS WHERE REQUIRED.
- COUNCIL WILL NOT BE RESPONSIBLE IF VEHICLES CANNOT TRAVERSE THE DESIGN VEHICULAR ACCESS CROSSING WHERE THE ABOVE GUIDELINES HAVE NOT BEEN TAKEN INTO ACCOUNT.

SCALE ON ORIGINAL A3 SIZE DRAWING
0 500 1000 1500 2000 2500
1:50

DRAWN: T WILLIS
CHECKED: M BAMBER
DATE: 01/07/18
UNIT MANAGER APPROVAL

Central Coast Council
KERB AND CHANNEL SERIES
RESIDENTIAL VEHICULAR ACCESS CROSSING
FOR ROADS WITH KERB AND CHANNEL

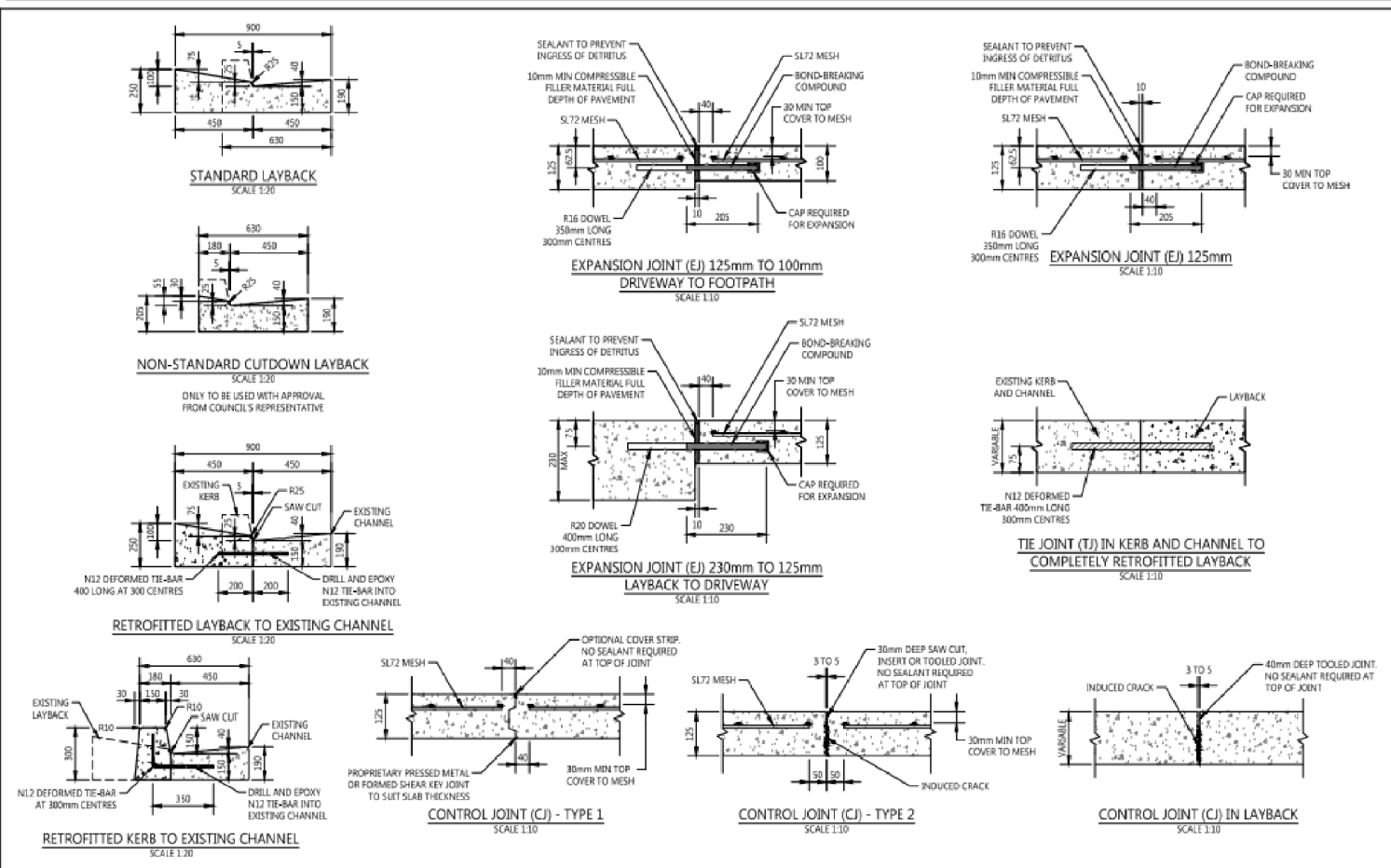
STANDARD DRAWING
DRAWING NUMBER: SD0503
REV: -
SHEET 1 OF 2
A3

SCALE ON ORIGINAL A3 SIZE DRAWING
0 500 1000 1500 2000 2500
1:50

DRAWN: T WILLIS
CHECKED: M BAMBER
DATE: 01/07/18
UNIT MANAGER APPROVAL

Central Coast Council
KERB AND CHANNEL SERIES
VEHICLE ACCESS CROSSING
AND DRIVEWAY PROFILES

STANDARD DRAWING
DRAWING NUMBER: SD0508
REV: -
SHEET 2 OF 4
A3



SCALE ON ORIGINAL A3 SIZE DRAWING
AS SHOWN

DRAWN: T WILLIS
CHECKED: M BAMBER
DATE: 01/07/18
UNIT MANAGER APPROVAL

Central Coast Council
KERB AND CHANNEL SERIES
RESIDENTIAL VEHICULAR ACCESS CROSSING
FOR ROADS WITH KERB AND CHANNEL

STANDARD DRAWING
DRAWING NUMBER: SD0503
REV: -
SHEET 2 OF 2
A3

MINIMUM PIPE COVER-AS/NZS 3500.3		
LOCATION	Cast iron, ductile iron, galvanised steel	Other authorised products*
MINIMUM DEPTH OF COVER		
1. Not subject to vehicle loadings		
a) Without pavement -		
(i) For single dwellings	NIL	100
(ii) For other than item (i)	NIL#	300
b) With pavement of brick or unreinforced concrete	NIL#	50#
2. Subject to vehicular loadings		
a) Other than roads -		
(i) Without pavement	300	450
(ii) with pavement of -		
(A) Reinforced concrete for heavy vehicle loading	NIL#A	100#A
(B) Brick or unreinforced concrete for light vehicular loading	NIL#A	75#A
b) Roads -		
(i) Sealed	300	500A
(ii) Unsealed	300	500A
3. Subject to construction equipment or embankment conditions		
	300	500A

* Indicates overlay above top of pipe of not less than 50mm thick
Below underside of pavement
A Subject to compliance with AS1762, AS2033, AS/NZS2566.1, AS3725, AS4060.

MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS - AS/NZS 3500.3:			
DEPTH TO INVERT OF OUTLET	MINIMUM INTERNAL DIMENSION (mm)		
	RECTANGULAR WIDTH	RECTANGULAR LENGTH	CIRCULAR DIAMETER
≤600	450	450	600
>600 ≤900	600	600	900
>900 ≤1200	600	900	1000
>1200	900	900	1000

6.7.22 01 - CC. ISSUE
DATE: DRAWING ISSUE:
CLIENT: WITE
PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT 128 GLENROCK PARADE KOOLEWONG, NSW

CivilCol Consulting Pty Ltd
ABN: 74639805920 | EMAIL: civilcolconsulting@gmail.com
PH: 0413 857 887 | P.O. BOX 3176, WAMBERAL NSW 2260

DRAWN: JF
CHECKED: CF
DATE: 6.7.22
JOB: 2022_022
DRG: C 02

APPROVED:
C.FISHER, BE, MIEAust, CPEng, NER 719120, (CIVIL AND STRUCTURAL)
REV: 01 SH: 2 of 2