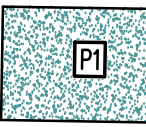


FOR CONTINUATION REFER TO DRAWING NoC404

PAVEMENT LEGEND

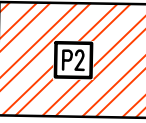
NOTES

1. Asphaltic concrete shall conform to AS2150 and the specification

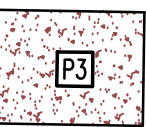


120mm Thickness coloured concrete ($f'c=25MPa$) with expansion joints at max 6.0m centres and weakened plane joints at max 1.5m centres on

150mm Compacted cement stabilised roadbase(DGB20)
Refer to Architect's drawing for colour scheme

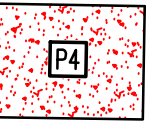


Timber finish to architect's detail

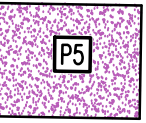


170mm Thickness coloured concrete ($f'c=32MPa$) with SL92 fabric (40 top cover) with sawn control joints at max 6.0m centres and dowelled expansion joints at max 1.5m centres on

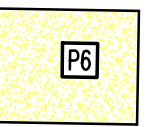
150mm Compacted 4% CBR minimum cement roadbase(dgb20)
Refer to Architect's drawing for colour scheme



40mm Thickness asphaltic concrete (AC10) on 140mm Compacted thickness fine crushed rock (DGB20) on 140mm Compacted thickness fine crushed rock (DGS40)

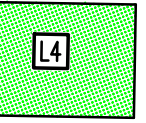


Synthetic grass to Architect's details



150mm Thickness coloured concrete ($f'c=32MPa$) with expansion joints at max 6.0m centres and weakened plane joints at max 1.5m centres on

150mm Compacted cement stabilised road base (DGB20)
Refer to Architect's drawing for colour scheme



Landscape to Architect's detail

FOR CONTINUATION REFER TO DRAWING NoC403

Filename: C405.dwg User: rocky Plot File Created: Sep 13, 2018 - 10:44am

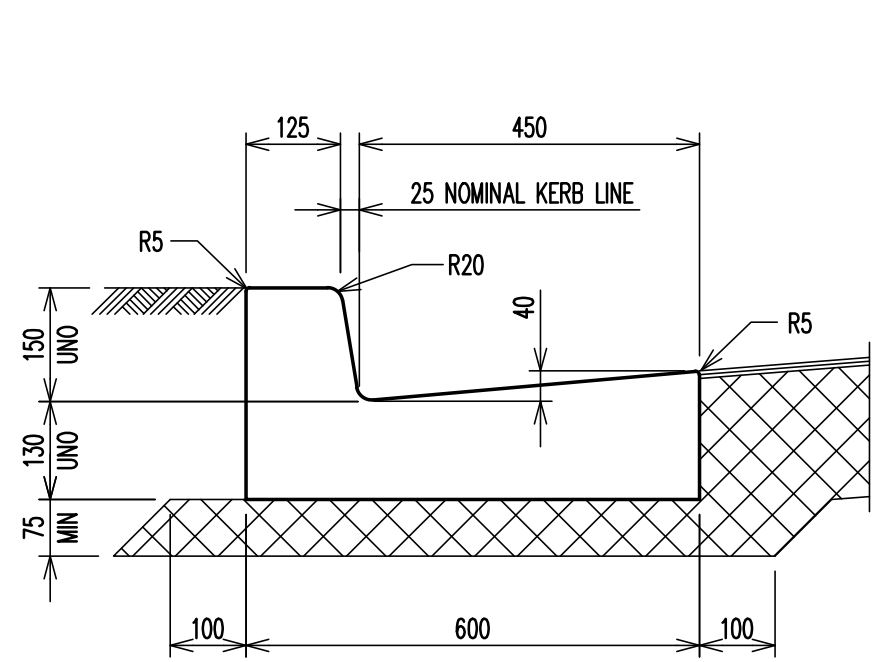
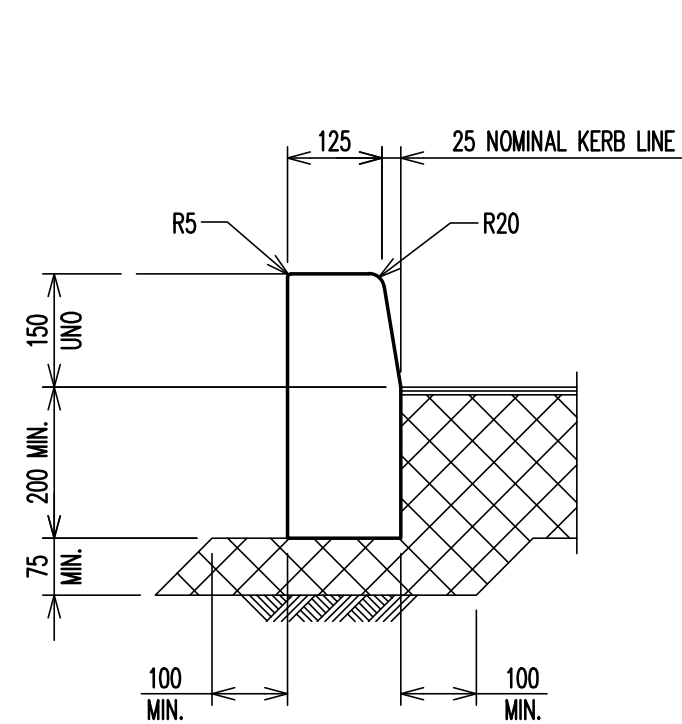
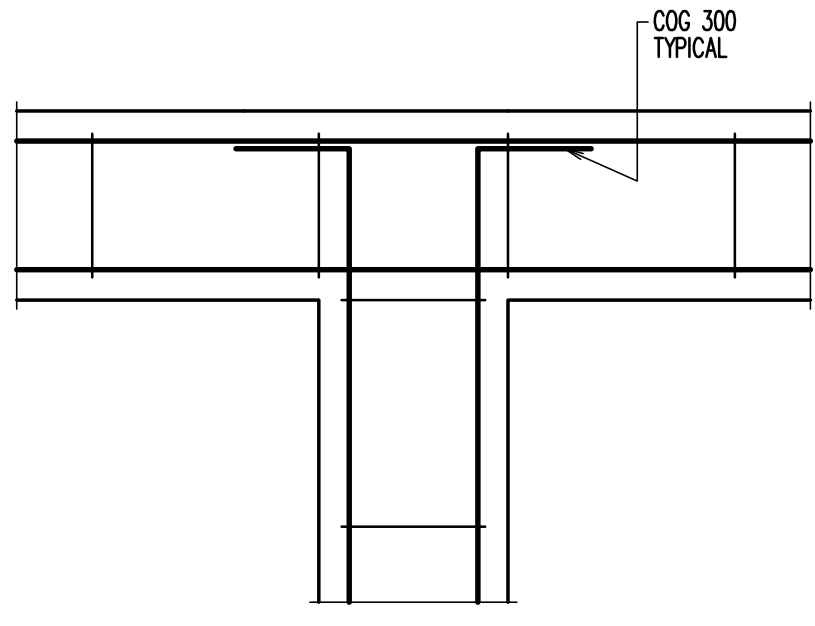
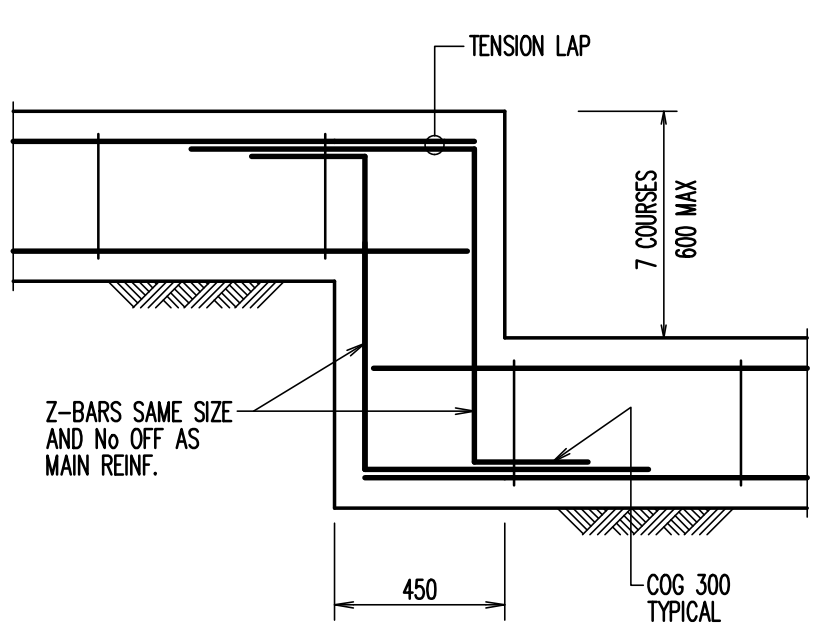
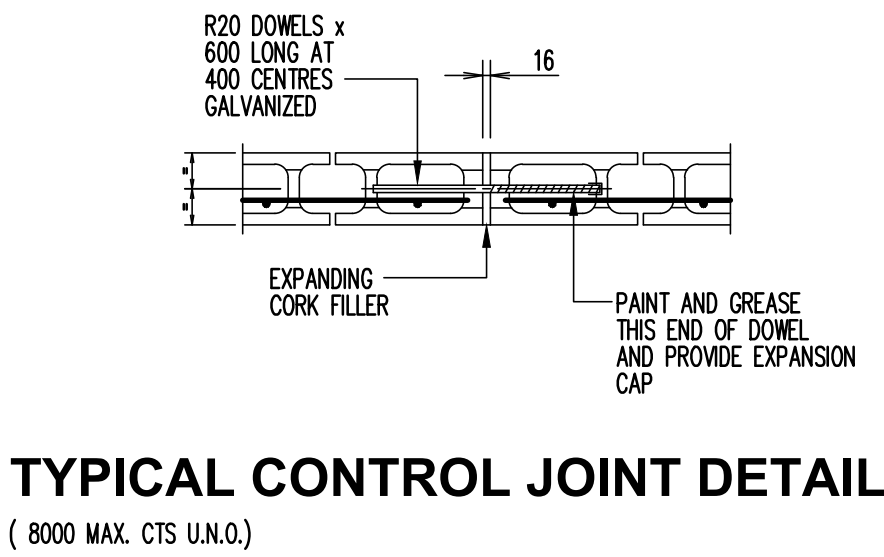
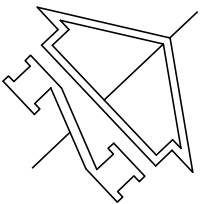
Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P2	ISSUE FOR D&C TENDER	NB	RG	13.09.18										
P1	ISSUE FOR D&C TENDER REVIEW	NB	RG	11.09.18										



Project
KENT ROAD PUBLIC SCHOOL

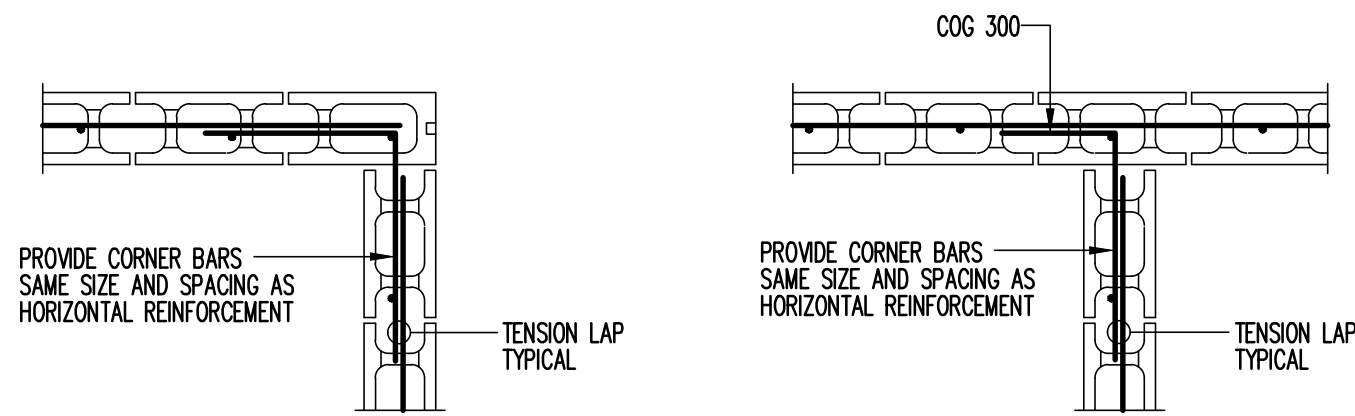
Sheet Subject
PAVEMENT PLAN SHEET 2

Scale : A1 1:200	Drawn RG	Authorised
Job No 171518	Drawing No C405	Revision P2
Plot File Created: Sep 13, 2018 - 10:44am		

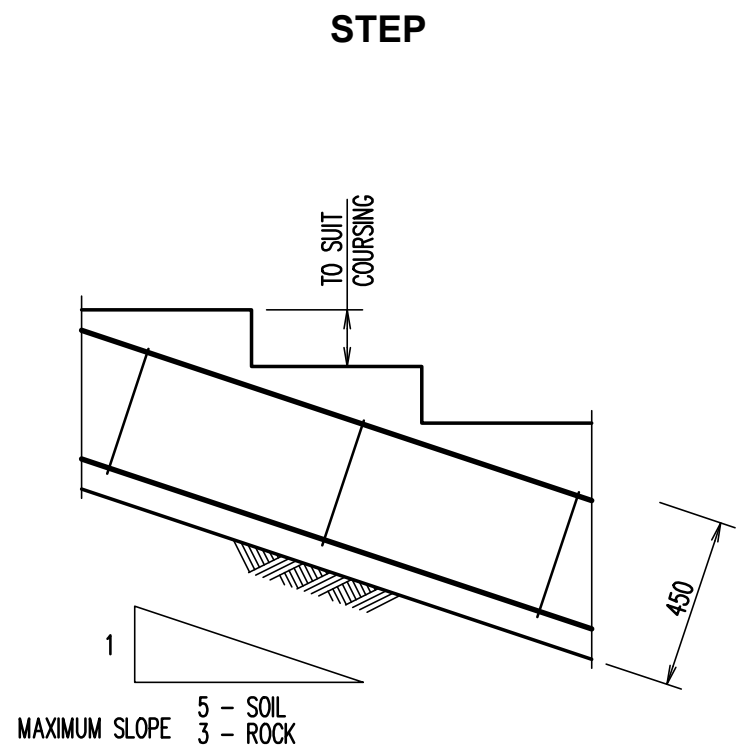


KERB ONLY (KO)
SCALE 1:10

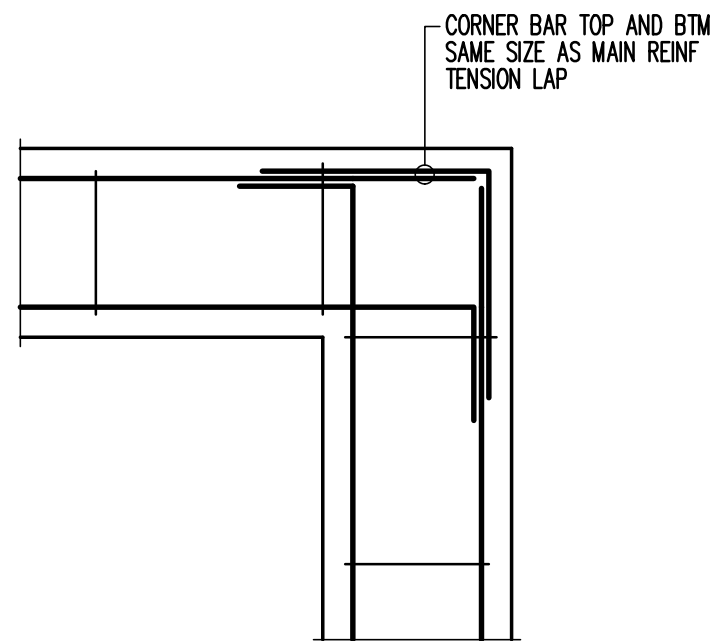
KERB AND GUTTER (K&G)
SCALE 1:10



CORNER
INTERSECTION
JUNCTION DETAILS

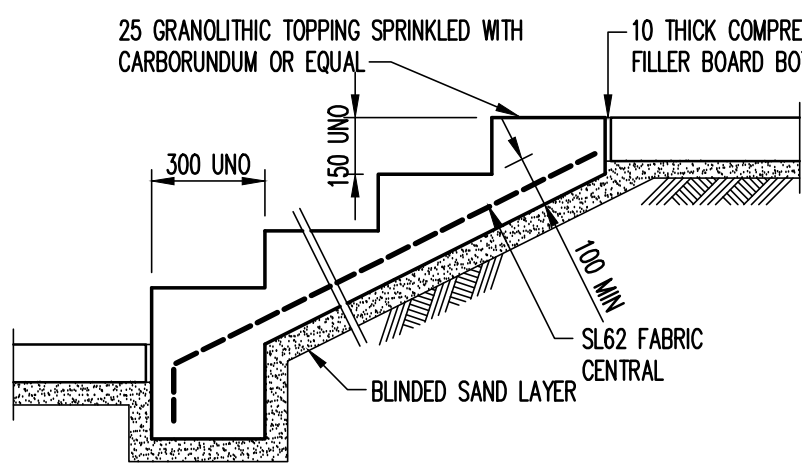


STEP - GENTLE SLOPES

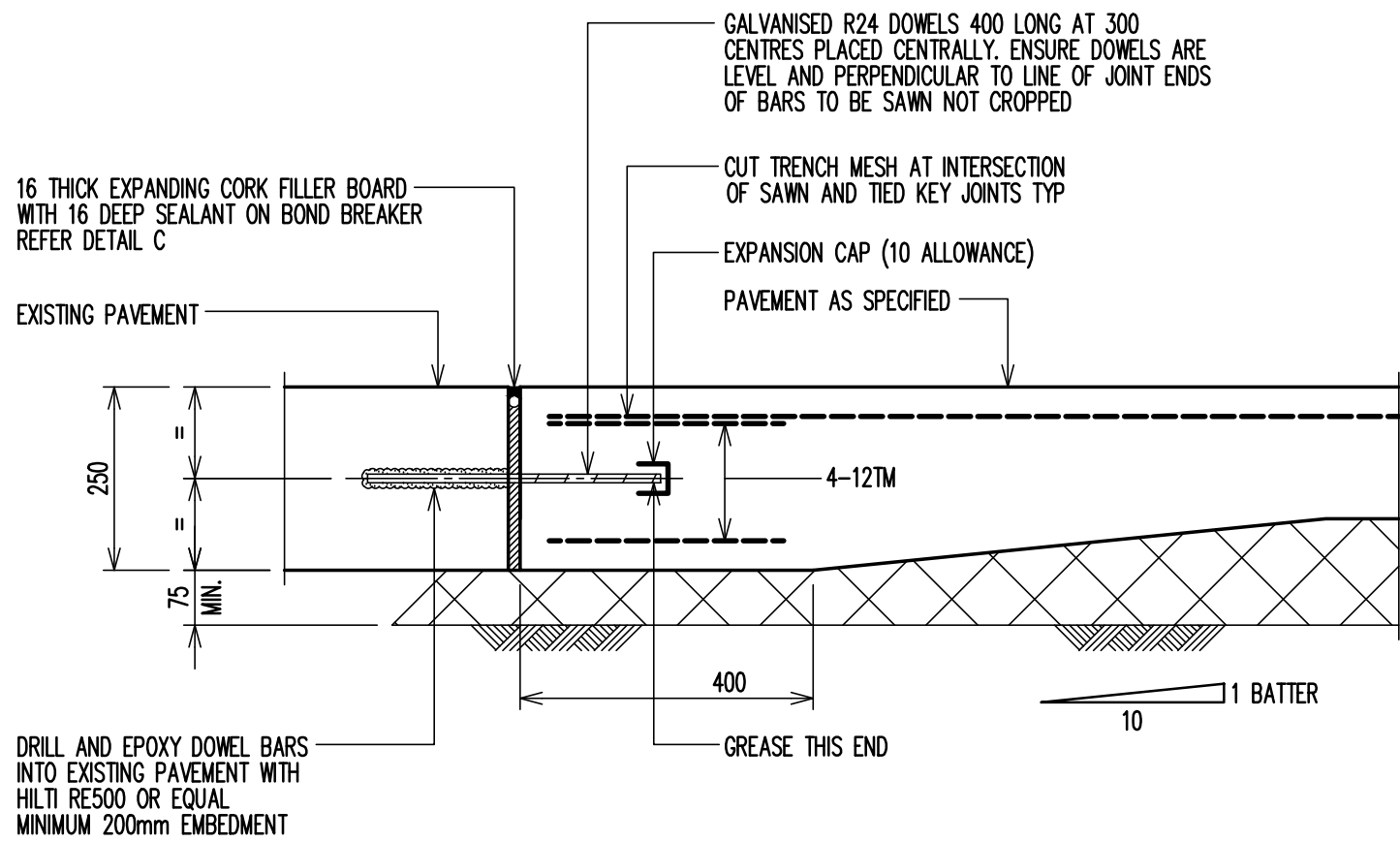


CORNER

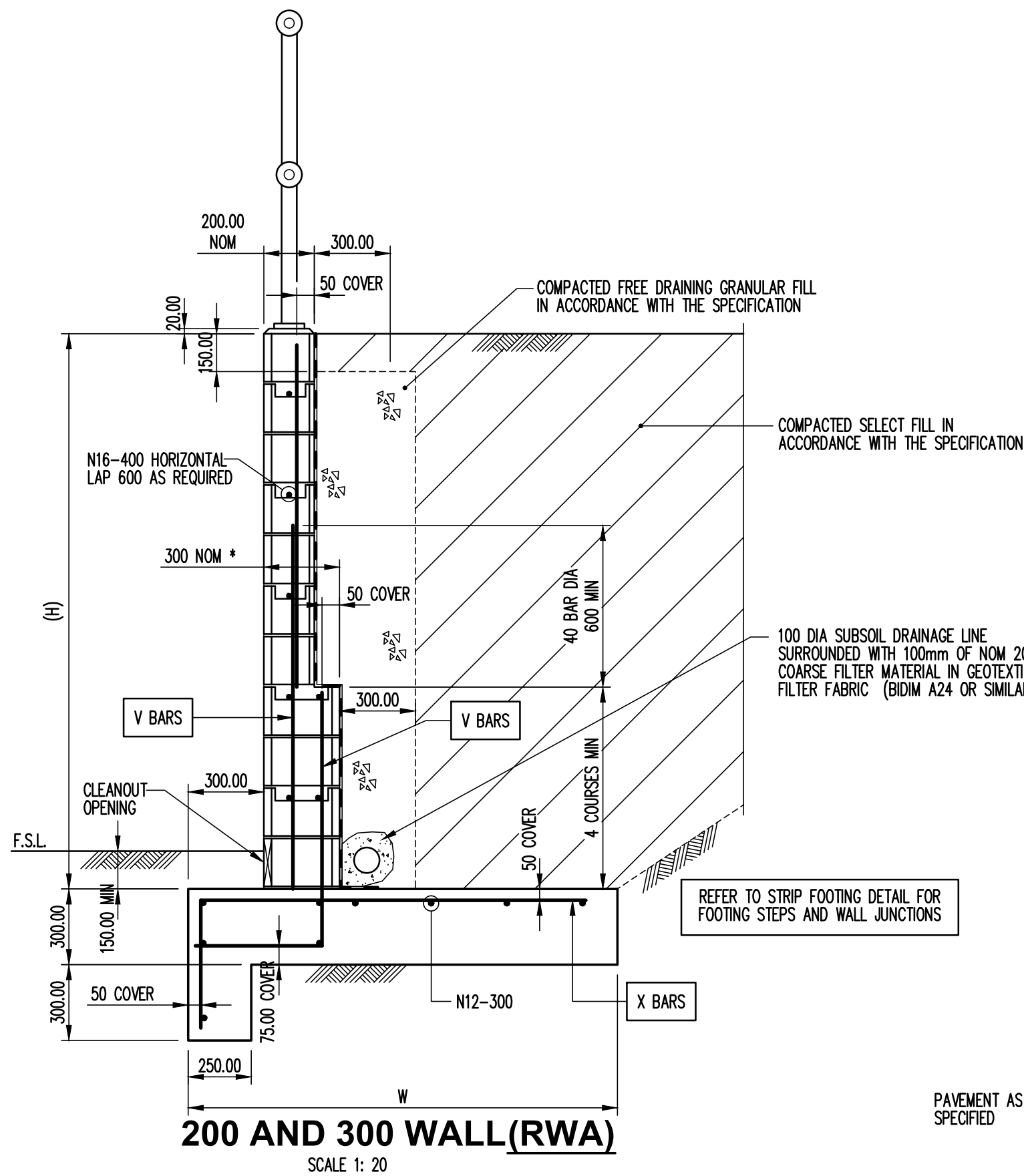
STRIP FOOTING DETAILS



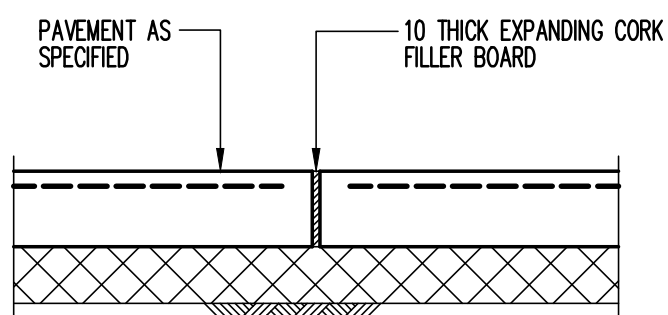
CONCRETE STAIRS (STR)
SCALE 1: 20



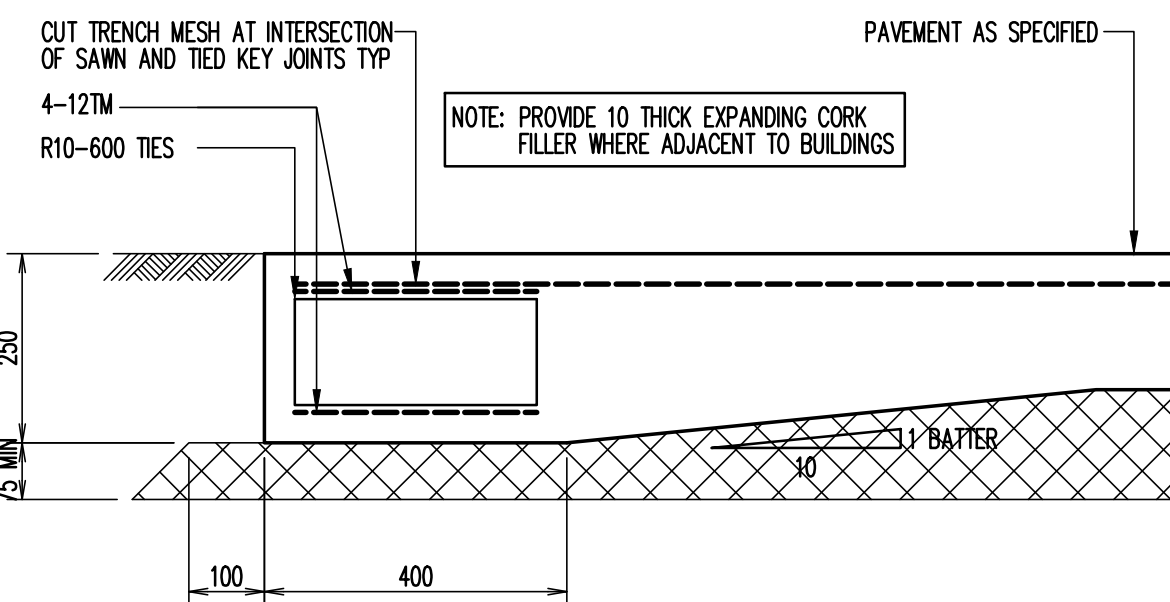
DOWELLED EXPANSION JOINT INTO EXISTING PAVEMENT TYPE A (EDEJA)
SCALE 1:10



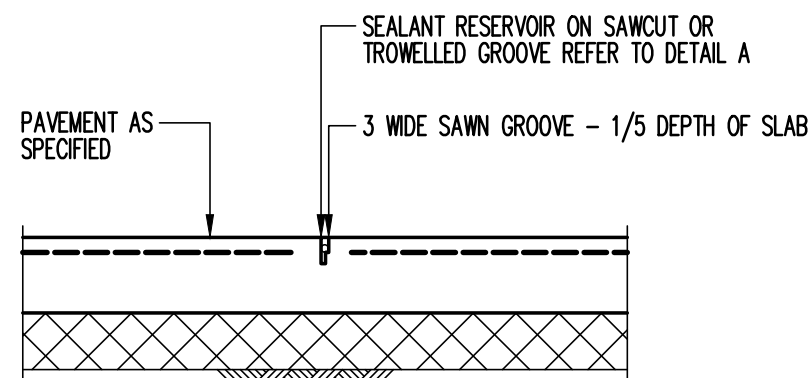
200 AND 300 WALL(RWA)
SCALE 1: 20



EXPANSION JOINT (EJ)
SCALE 1: 20



THICKENED EDGE (TE)
SCALE 1: 20



WEAKENED PLANE JOINT (WPJ)
SCALE 1: 20

NOTE: REFER TO JOINTING NOTES, POINT 5 FOR TIMING OF SAW CUTS.

Filename: C406.dwg User: rocky Plot File Created: Sep 12, 2018 - 4:58pm

Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date	Rev	Description	Eng	Draft	Date
P4	ISSUE FOR TENDER REVIEW	NB	RG	12.09.18										
P3	ISSUE FOR D&C TENDER REVIEW	NB	RG	11.09.18										
P2	ISSUE FOR REVIEW	NB	RG	07.09.18										
P1	ISSUE FOR SDR	NB	RG	26.07.18										



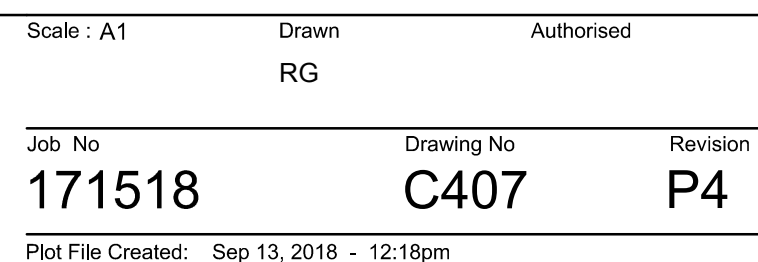
Project
KENT ROAD PUBLIC SCHOOL

Sheet Subject
DETAIL SHEET 1

Scale : A1
Drawn
RG
Authorised

Job No
171518
Drawing No
C406
Revision
P4

Plot File Created: Sep 12, 2018 - 4:58pm



Appendix C – CCTV Investigation

Electronic Sub-surface Utility Information (SUI) detection techniques such as EM & GPR are influenced by Sub-Surface Utility (SSU) type & ground conditions. Best practice detection rates are 80-90% and depth accuracy ranges between +/- 300mm for 90% of readings with significant outliers for the remainder.

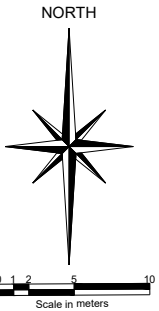
Co-ordinate System (Utilities and Aerial): MGA: Zone 56 Vertical Datum: AHD

Storm Water assets are QL-A at SW Pits unless the pipes have not been accessible (pits full of dirt, rusted gatic lids, etc.) and QL-C between pits. Storm Water pipes have been shown where the judgment could be made based on the location of the SW surface features and in some areas (where possible) pipes are traced using sonde attached to CCTV camera or Flexi Rod.

Property downpipes and kerb outlets are not shown in this drawing.

This Drainage Plan has been generated for design purposes only. It needs to be printed in color and at the specific page size noted in the top right of the page. Failure to do this will void all information indicated.

The detail survey information was provided to Durkin Construction by Gardner Wetherill + Associates. This plan only shows Drainage Assets and the detail survey information provided by the client.



DURKIN LEGEND		
	7	Stormwater Pipe - Unspecified Ø
	225	Stormwater Pipe - 225 Ø
	300	Stormwater Pipe - 300 Ø
	375	Stormwater Pipe - 375 Ø
	450	Stormwater Pipe - 450 Ø
	600	Stormwater Pipe - 600 Ø
	750	Stormwater Pipe - 750 Ø
	900	Stormwater Pipe - 900 Ø
	7H	Stormwater Box Culvert - Unspecified Height
	225H	Stormwater Box Culvert - 225 High
	300H	Stormwater Box Culvert - 300 High
	450H	Stormwater Box Culvert - 450 High
	750H	Stormwater Box Culvert - 750 High
	900H	Stormwater Box Culvert - 900 High
	1050H	Stormwater Box Culvert - 1050 High
	1.2H	Stormwater Box Culvert - 1200 High
	DZ	Stormwater Pipe - Digitised
		Flow Direction
		Gully Pit
		Buried Pit
		Drainage Pit
		Drainage Pit
	UTT	Unable To Trace
	UTL	Unable To Lift
	UTO	Unable To Open
	FOD	Full of Dirt
	EOT	End Of Trace
		Scope of Works

Quality Level A (QL-A): Quality level A is the highest quality level and consists of the positive identification of the attribute and location of a subsurface utility at a point to an absolute spatial position in three dimensions. It is the only quality level that defines a subsurface utility as 'validated'. Where the whole line segment cannot be verified by line of sight, quality level A shall not be attributed to the line segment between validated points. The vertical information for this locating method is to the top or shallowest part of the located service.

Quality Level B (QL-B): Quality level B provides relative subsurface feature location in three dimensions. The minimum requirement for quality level B is relative spatial position.

Information is collected by designating the horizontal and vertical location of underground utilities by using electromagnetic pipe and cable locators, sondes or flexi-trace, ground penetrating radar and acoustic pulse equipment.

Horizontal Tolerance: +/- 300 mm
Vertical Tolerance: +/- 500 mm

Quality Level C (QL-C): Quality level C is described as a surface feature correlation or an interpretation of the approximate location and attributes of a subsurface utility asset using a combination of existing records (and/or anecdotal evidence) and a site survey of visible evidence. The minimum requirement for quality level C is relative spatial position.

Information is collected by correlating the survey of visible utility surface features such as marker plates or water hydrants and acquired dial-before-you-dig plans to "draw" a string which shows the approximate position of services.

Horizontal Tolerance of Surface Features: +/- 300 mm

Quality Level D (QL-D): Quality level D is the lowest of the four quality levels. The attribute information and metadata of a subsurface utility can be compiled from any, or a combination of the following:

- (a) Existing records;
- (b) Cursory site inspection;
- (c) Anecdotal evidence.

Quality Level X (QL-X) Electronically located with Ground Penetrating Radar or other electronic locating techniques not compliant with AS5488. Estimated positional tolerance is +/-300mm in plan, +/-500mm in depth (high confidence level).

Quality Level Y (QL-Y) Electronically located but with reduced confidence in plan position/depth (medium confidence level).

Quality Level Z (QL-Z) Electronically located with low confidence level in plan position/depth (low confidence level).

NOT FOR CONSTRUCTION

DRAWING STATUS
FINAL

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Silverwater NSW 2128
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www.durkinconstruction.com.au

CLIENT
GARDNER WETHERILL + ASSOCIATES

Project Title: Drainage Survey at:
**KENT ROAD PUBLIC SCHOOL
MARSFIELD**

DRAWING DETAIL
Drainage Plan

LOCATED BY: JM	DATE: 23-08-2018
SURVEYED BY: RL	SCALE: 1:250
DRAFTED BY: MJ	
CHECKED BY: GM	
APPROVED BY: GM	
DRAWING NUMBER D13583-DR-1	SHEET NUMBER 1 / 1
	REVISION 0