# PUBLIC DOMAIN WORK **CIVIL ENGINEERING PLA** FOR DEVELOPMENT APPLICATIO 51 KALANG ROAD, ELANG

## GENERAL NOTES.

- 1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH NORHTHERN BEACHES COUNCIL'S DEVELOPMENT ENGINEERING STANDARD UNLESS OTHERWISE NOTED.
- 2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL'S CODE OF PRACTICE FOR EROSION AND SEDIMENTATION. AND MUST BE IMPLEMENTED PRIOR TO THE COMMENCEMENT OF ANY BUILDING OF CIVIL WORKS. THE DEVELOPER IS RESPONSIBLE FOR ONGOING MAINTENANCE OF EROSION AND SILTATION CONTROL MEASURES.
- ALL PUBLIC UTILITIES ARE TO BE CLEARLY IDENTIFIED IN THE FIELD PRIOR TO ANY CIVIL WORKS. COUNCIL ACCEPTS NO RESPONSIBILITY FOR DAMAGE OR RELOCATION COSTS TO UTILITIES DURING CONSTRUCTION
- SUPERVISING ENGINEER IS TO BE NOTIFIED PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CARRIED OUT IN ACCORDANCE WITH WORK HEALTH AND SAFETY ACT 2011.
- 6. PERMISSION TO ENTER, CONSTRUCT WORKS AND DISCHARGE STORMWATER ONTO ADJOINING PROPERTIES IS TO BE OBTAINED AND SUBMITTED TO COUNCIL PRIOR TO COMMENCEMENT OF ANY WORKS.
- 7. ALL WORKS AS A RESULT OF THE SUBMITTED PLANS IS TO BE CARRIED OUT TO THE SUPERVISING ENGINEER'S SATISFACTION.
- 8. ANY DISTURBED LANDSCAPING AREA IS TO BE SHAPED AND TURFED. APPROVED TOP SOIL & TURF IS TO BE REINSTATED TO THE SUPERVISING ENGINEER'S SATISFACTION
- 9. ALL DRAINAGE GRATES TO BE BIKE SAFE TO LOAD TYPE CLASS"D" AS PER AS3996-2006 (LOAD CLASSIFICATION). GRATES TO BE "DURHAM-MEDIUM TRAFFICABLE" OR SIMILAR
- 10. RETAINED TREES TO BE FENCED WITH A 1.8m HIGH CHAINWIRE LINK FENCE FULLY SUPPORTED AT GRADE TO MINIMISE THE DISTURBANCE TO EXIST. GROUND CONDITIONS WITHIN THE CANOPY DRIP LINE. "TREE PROTECTION ZONE" SIGNAGE TO BE ATTACHED TO PROTECTIVE FENCING.
- 11. A ROAD-OPENING PERMIT SHALL BE OBTAINED FOR WORKS IN THE ROAD RESERVE PRIOR TO COMMENCEMENT OF WORK IN THE ROAD RESERVE.
- 12. ALL REDUNDANT LINE MARKING SHALL BE GRINDED OFF THE PAVEMENT AND APPROVED LINE MARKING FROM COUNCIL AND/OR RMS SHALL BE REFLECTIVE WHITE THERMOPLASTIC OR SIMILAR.

13. SERVICES SHOWN ON THIS PLAN HAVE BEEN LOCATED FROM INFORMATION SUPPLIED FROM THE RELEVANT AUTHORITIES VIA A "DIAL BEFORE YOU DIG" ENQUIRY DURING DESIGN. THE LOCATION OF SERVICES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED AS ACCURATELY AS POSSIBLE FROM DIAGRAMS PROVIDED BY SERVICE AUTHORITIES. A NEW "DIAL BEFORE YOU DIG" ENQUIRY MUST BE CARRIED OUT TO VERIFY SERVICE LOCATIONS JUST PRIOR TO CONSTRUCTION. NEW ENQUIRIES MAY BE DONE ONLINE AT WWW.1100.COM.AU OR TEL 1100.

- 14. NO CONCRETE SHALL BE POURED PRIOR THE EXCAVATION AND FORMWORK HAVE BEEN INSPECTED FROM A QUALIFIED AND PRACTICING CIVIL ENGINEER.
- 15. CERTIFICATION FROM PRACTICING ENG TO BE SUBMITTED TO COUNCIL



				Architect Fortey + Grant	Council
				Architecture	NORTH
				Suite 3/Level 1, 1141 Botany Lane Mascot NSW 2020	BEACHE
Α	ISSUE FOR DEVELOPMENT APPLICATION 31/03/2022	I.S.N.	M.C.O.	Mascol NSW 2020 Mob: 0401 822 223	COUNC
Issue	Description Date		Checked	Email: james@frgarch.com.au	
0 1c	m at full size 10cm		20cm	Nominated Architect James Grant 6540	



DRAWING INDEX				
Drawing No.	DESCRIPTION	Rev		
C000	GENERAL NOTES, LOCALITY PLAN & DRAWING SCHEDULE	A		
C101	CIVIL WORKS LAYOUT PLAN	А		
C201	DRIVEWAY PROFILE - LONGITUDINAL SECTIONS	А		
C301	CONSTRUCTION NOTES AND DETAILS SHEET	A		

DANGER

DISCLAIMER ALL INFRASTRUCTURE INFORMATION (MAINS, SEWER, PIPES ETC.) IS DERIVED FROM DIAL BEFORE YOU DIG RECORDS.

EVERY EFFORT WAS MADE TO ENSURE ACCURACY OF THESE RECORDS WHEN COMPILED.

NO WARRANTY IS GIVEN TO CURRENCY OF DEPTHS AND LEVELS DUE TO THE POSSIBILITY OF SUBSEQUENT ALTERATION OF LEVELS THROUGH FILLING OR EXCAVATION. USERS OF THE INFORMATION IN THIS DRAWING/DESIGN SHOULD TAKE ALL REASONABLE STEPS TO VERIFY THE RELEVANT INFORMATION BEFORE COMMENCING EXCAVATING OR CONSTRUCTION WORK.

ENGINEERING SERVICES GROUP (ESG) CONSULTING PTY LTD TAKE NO RESPONSIBILITY FOR APPARENT ERRORS OR INACCURACIES IN THE INFORMATION PROVIDED.

LOCALITY PLAN NTS

HERN ES CIL



**CIVIL & STORMWATER ENGINEERING** SERVICES PTY LTD ABN: 27 644 422 506 Shop 1, 143-147 Parramatta Road, Concord, NSW 2137 P:(02) 8397 6500 E:info@esgconsult.com.au

51 KALANO PUBLIC D **CIVIL ENG** DEVELOPN

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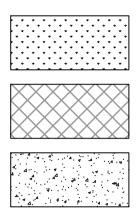
LOCATION OF ALL EXISTING UNDERGROUND SERVICES SHOWN ARE APPROXIMATE AS TAKEN OFF DBYD INFO EXTREME CAUTION TO BE EXERCISED WHEN WORKING IN THE VICINITY OF AND AROUND THESE SERVICES. PLEASE CALL THE RELEVANT AUTHORITIES TWO DAYS PRIOR TO CONSTRUCTION FOR A MORE EXACT LOCATION OF THE EXISTING SERVICES.

IT IS THE CONTRACTOR RESPONSIBILITY TO CONTACT "DIAL BEFORE YOU DIG" FOR THE LOCATION OF EXISTING PUBLIC UTILITIES, PRIOR TO EXCAVATION.

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G ROAD, ELANORA DOMAIN WORKS GINEERING PLANS		AL NOTES, LO ND DRAWING S		Ξ
IENT APPLICATION	Scale A1 N.T.S.	Project No. 200870	Dwg. No.	Issue A

## LEGEND

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LOT BOUNDARY

PROPOSED KERB & GUTTER PROPOSED CONTROL LINE

PROPOSED VERGE

PROPOSED DRIVEWAY

PROPOSED CONCRETE FOOTPATH

PROPOSED GRATED DRAIN

## **EXISTING SERVICES**

— — 30.00 — —
Ex. K&G
E×W
——————————————————————————————————————
——————————————————————————————————————
NBN

EXISTING CONTOUR	

EXISTING KERB & GUTTER

EXISTING WATER MAIN EXISTING SEWER MAIN

EXISTING GAS MAIN

EXISTING NATIONAL BROADBAND NETWORK

EXISTING TREES TO BE RETAINED



PROPOSED VERGE TO BE TURFED TO COUNCIL SPECIFICATIONS.

DEMOLISH EXISTING VEHICLE CROSSING AND REINSTATE WITH NEW KERB & GUTTER, CONCRETE FOOTPATH AND VERGE TO COUNCIL SPECIFICATIONS.

> PROPOSED KERB AND GUTTER TO COUNCIL SPECIFICATIONS. REFER TO C301 FOR DETAILS.

PROPOSED CONCRETE FOOTPATH TO COUNCIL SPECIFICATIONS. REFER TO C301 FOR DETAILS.

1 C201

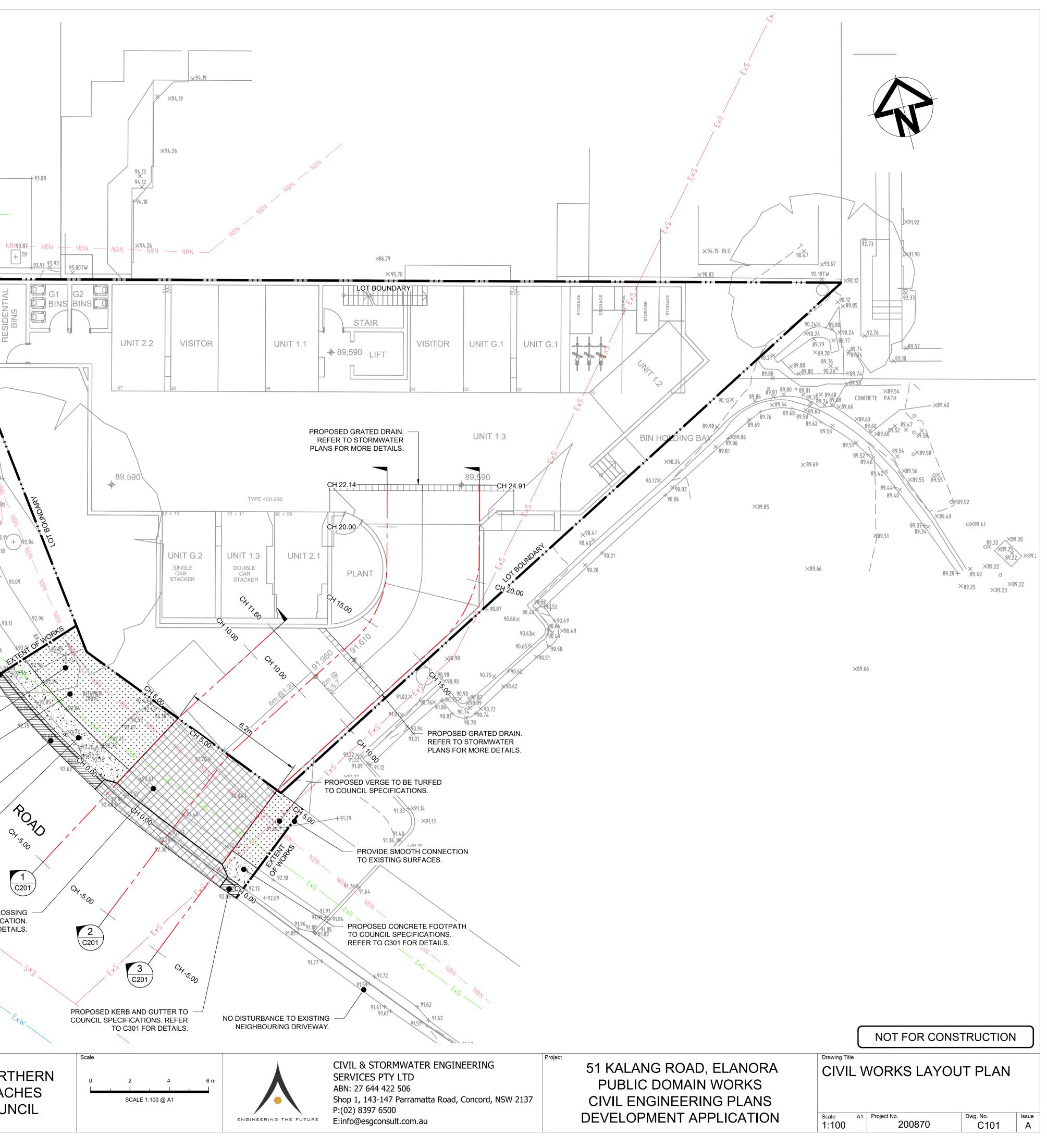
PROPOSED VEHICLE CROSSING TO COUNCIL SPECIFICATION. REFER TO C301 FOR DETAILS.

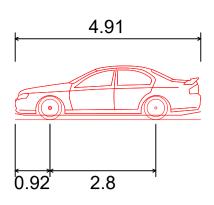
NOTE: ALL EXISTING SERVICES TO BE ADJUSTED TO MATCH PROPOSED SURFACE LEVELS.



					Architect Fortey + Grant Architecture	
A	ISSUE FOR DEVELOPMENT APPLICATION	31/03/2022	I.S.N.	M.C.O.	Suite 3/Level 1, 1141 Botany Lane Mascot NSW 2020 Mob: 0401 822 223	BEACHE
Issue	Description	Date	Design	Checked	Email: james@frgarch.com.au Nominated Architect James Grant 6540	COUNCI

93.58+ <sup>93.55</sup> +93.59 93.72 +93.76 93.56-+93.67 93.66 NBN93.87 + TP BM DRILL HOLE & WING IN CONCRETE FOOTPATH RL 93.65 AHD n -493.59 \493.61 93.48 93.55 93.42 +93.53 EXISTING KERB AND GUTTER TO BE MAINTAINED. +93.49 93.28 \$93.09 ₩93.25 **\**<del>\</del>93.24 93.12 +93.22 KALANG

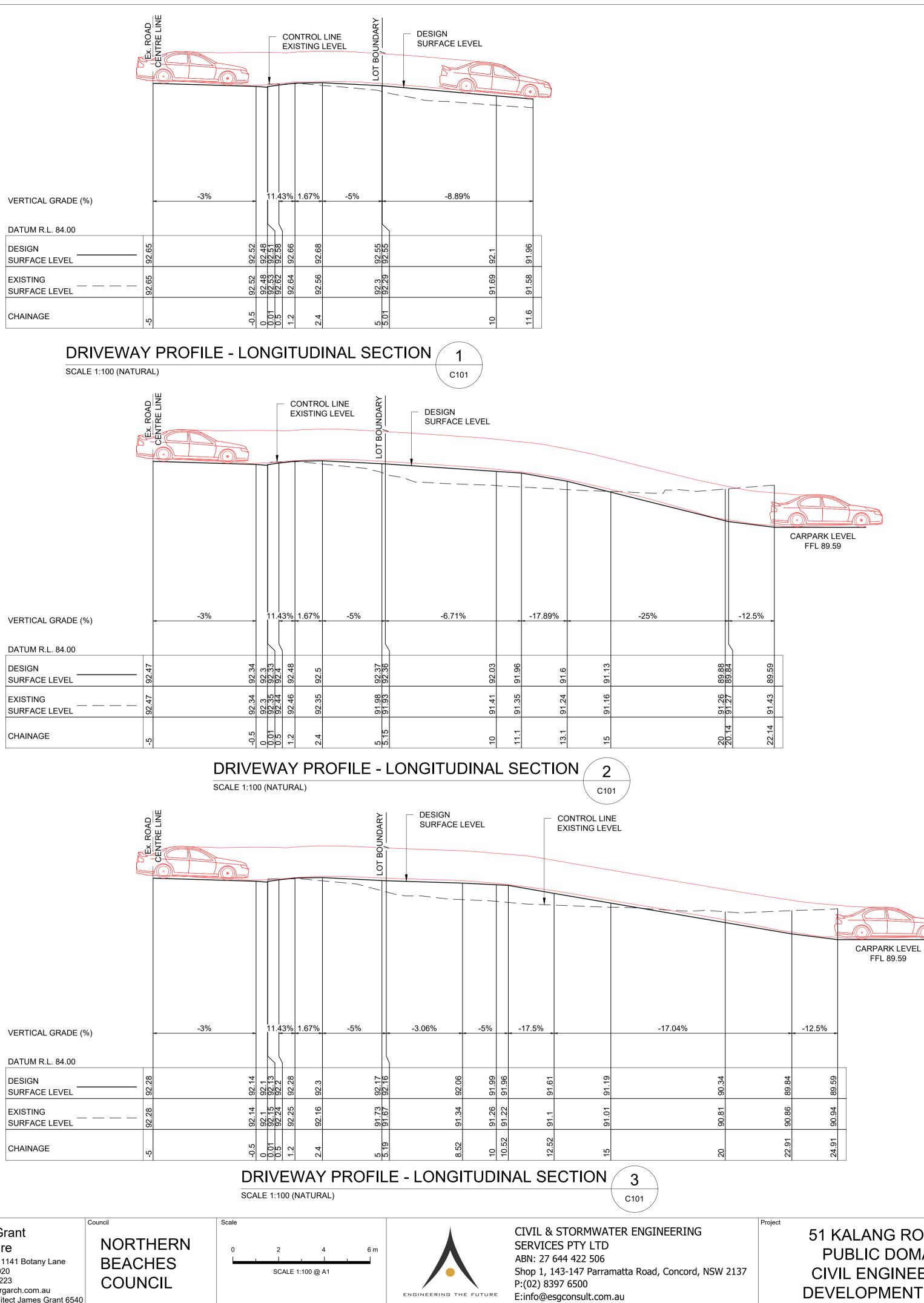




B85 Ground Clearance (2004)
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock-to-lock time
Curb to Curb Turning Radius
-

4	.910m	١
1	.870m	
1	.421m	
0	.120m	I
-	.770m	
	.00s	
8	.000m	

DATUM R.L. 84.00		
DESIGN SURFACE LEVEL	92.65	
EXISTING	   92.65	
CHAINAGE	ې	



	Ex. ROAD	CÊNTRE LINE
VERTICAL GRADE (%) DATUM R.L. 84.00		•
DESIGN	8	
SURFACE LEVEL	92.28	
EXISTING	92.28	
CHAINAGE	-5	

					Architect Fortey + Grant	Council
					Architecture	NORTHEI
					Suite 3/Level 1, 1141 Botany Lane	BEACHES
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0 10	m at full size 10cm			20cm	Nominated Architect James Grant 6540	

G ROAD, ELANORA
DOMAIN WORKS
INEERING PLANS
ENT APPLICATION

## Drawing Title DRIVEWAY PROFILE LONGITUDINAL SECTIONS

200870

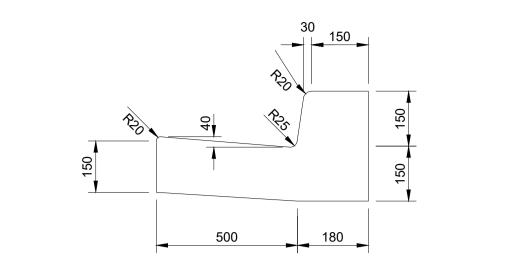
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NOT FOR CONSTRUCTION

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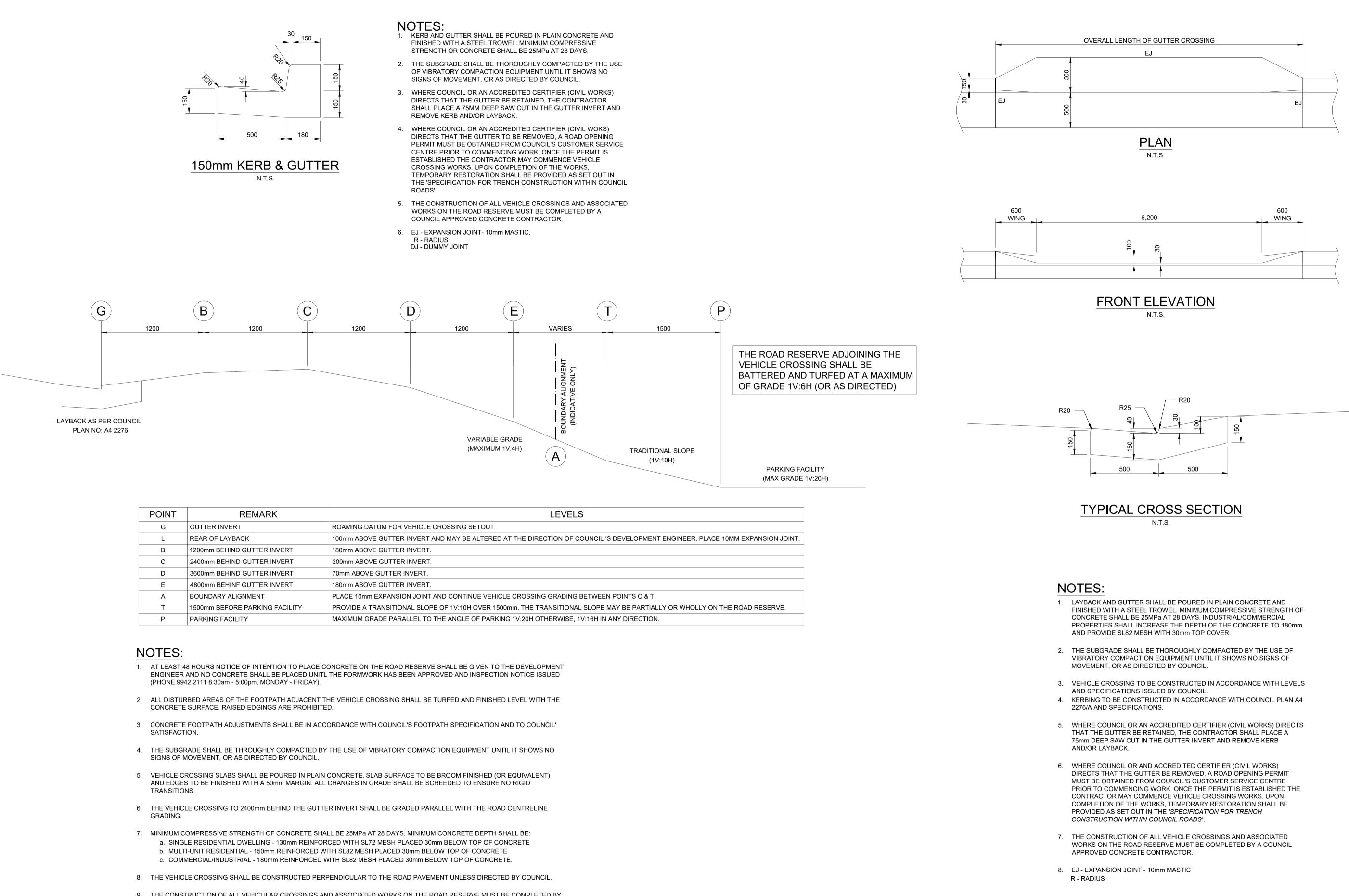
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## N.T.S.

- REMOVE KERB AND/OR LAYBACK.

- R RADIUS DJ - DUMMY JOINT



POINT	REMARK	
G	GUTTER INVERT	ROAMING DATUM FOR VEHICLE CROSSING SETOUT.
L	REAR OF LAYBACK	100mm ABOVE GUTTER INVERT AND MAY BE ALTERED AT THE DIRE
В	1200mm BEHIND GUTTER INVERT	180mm ABOVE GUTTER INVERT.
С	2400mm BEHIND GUTTER INVERT	200mm ABOVE GUTTER INVERT.
D	3600mm BEHIND GUTTER INVERT	70mm ABOVE GUTTER INVERT.
E	4800mm BEHINF GUTTER INVERT	180mm ABOVE GUTTER INVERT.
А	BOUNDARY ALIGNMENT	PLACE 10mm EXPANSION JOINT AND CONTINUE VEHICLE CROSSING
Т	1500mm BEFORE PARKING FACILITY	PROVIDE A TRANSITIONAL SLOPE OF 1V:10H OVER 1500mm. THE TR
Р	PARKING FACILITY	MAXIMUM GRADE PARALLEL TO THE ANGLE OF PARKING 1V:20H OT

- 9. THE CONSTRUCTION OF ALL VEHICULAR CROSSINGS AND ASSOCIATED WORKS ON THE ROAD RESERVE MUST BE COMPLETED BY A COUNCIL APPROVED CONCRETE CONTRACTOR.

					Architect	Council
					Fortey + Grant	NORTHER
					Architecture	
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## 51 KALANG ROAD, ELANORA PUBLIC DOMAIN WORKS CIVIL ENGINEERING PLANS **DEVELOPMENT APPLICATION**

Scale A1 Project No. N.T.S. 200870

AND DETAILS SHEET

CONSTRUCTION NOTES

Drawing Title