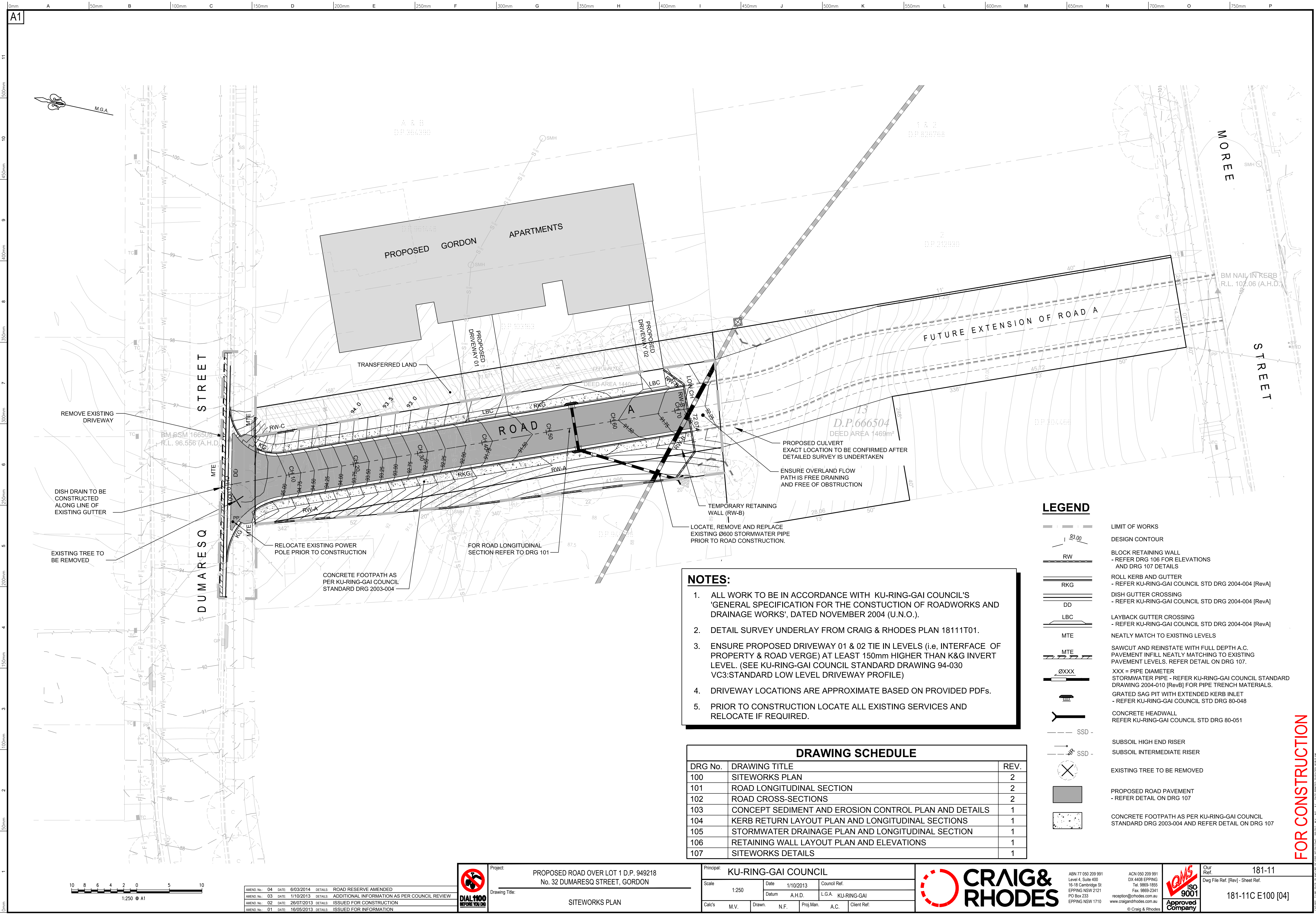




- NOTES:**
- ALL WORK TO BE IN ACCORDANCE WITH KU-RING-GAI COUNCIL'S 'GENERAL SPECIFICATION FOR THE CONSTRUCTION OF ROADWORKS AND DRAINAGE WORKS', DATED NOVEMBER 2004 (U.N.O.).
 - DETAIL SURVEY UNDERLAY FROM CRAIG & RHODES PLAN 18111T01.
 - ENSURE PROPOSED DRIVEWAY 01 & 02 TIE IN LEVELS (i.e. INTERFACE OF PROPERTY & ROAD VERGE) AT LEAST 150mm HIGHER THAN K&G INVERT LEVEL. (SEE KU-RING-GAI COUNCIL STANDARD DRAWING 94-030 VC3:STANDARD LOW LEVEL DRIVEWAY PROFILE)
 - DRIVEWAY LOCATIONS ARE APPROXIMATE BASED ON PROVIDED PDFs.
 - PRIOR TO CONSTRUCTION LOCATE ALL EXISTING SERVICES AND RELOCATE IF REQUIRED.

DRAWING SCHEDULE		
DRG No.	DRAWING TITLE	REV.
100	SITEWORKS PLAN	2
101	ROAD LONGITUDINAL SECTION	2
102	ROAD CROSS-SECTIONS	2
103	CONCEPT SEDIMENT AND EROSION CONTROL PLAN AND DETAILS	1
104	KERB RETURN LAYOUT PLAN AND LONGITUDINAL SECTIONS	1
105	STORMWATER DRAINAGE PLAN AND LONGITUDINAL SECTION	1
106	RETAINING WALL LAYOUT PLAN AND ELEVATIONS	1
107	SITEWORKS DETAILS	1

LEGEND

- LIMIT OF WORKS
- DESIGN CONTOUR
- BLOCK RETAINING WALL
 - REFER DRG 106 FOR ELEVATIONS
 - AND DRG 107 DETAILS
- ROLL KERB AND GUTTER
 - REFER KU-RING-GAI COUNCIL STD DRG 2004-004 [RevA]
- DISH GUTTER CROSSING
 - REFER KU-RING-GAI COUNCIL STD DRG 2004-004 [RevA]
- LAYBACK GUTTER CROSSING
 - REFER KU-RING-GAI COUNCIL STD DRG 2004-004 [RevA]
- NEATLY MATCH TO EXISTING LEVELS
- SAWCUT AND REINSTATE WITH FULL DEPTH A.C. PAVEMENT INFILL NEATLY MATCHING TO EXISTING PAVEMENT LEVELS. REFER DETAIL ON DRG 107.
- XXX = PIPE DIAMETER
- STORMWATER PIPE - REFER KU-RING-GAI COUNCIL STANDARD DRAWING 2004-010 [RevB] FOR PIPE TRENCH MATERIALS.
- GRADED SAG PIT WITH EXTENDED KERB INLET
 - REFER KU-RING-GAI COUNCIL STD DRG 80-048
- CONCRETE HEADWALL
 - REFER KU-RING-GAI COUNCIL STD DRG 80-051
- SUBSOIL HIGH END RISER
- SUBSOIL INTERMEDIATE RISER
- EXISTING TREE TO BE REMOVED
- PROPOSED ROAD PAVEMENT
 - REFER DETAIL ON DRG 107
- CONCRETE FOOTPATH AS PER KU-RING-GAI COUNCIL STANDARD DRG 2003-004 AND REFER DETAIL ON DRG 107

FOR CONSTRUCTION

AMEND No.	04	DATE	6/03/2014	DETAILS	ROAD RESERVE AMENDED
AMEND No.	03	DATE	1/10/2013	DETAILS	ADDITIONAL INFORMATION AS PER COUNCIL REVIEW
AMEND No.	02	DATE	26/07/2013	DETAILS	ISSUED FOR CONSTRUCTION
AMEND No.	01	DATE	16/05/2013	DETAILS	ISSUED FOR INFORMATION



Project: PROPOSED ROAD OVER LOT 1 D.P. 949218
No. 32 DUMARESQ STREET, GORDON

Drawing Title: SITEWORKS PLAN

Principal: KU-RING-GAI COUNCIL

Scale	1:250	Date	1/10/2013	Council Ref.	
Datum	A.H.D.	L.G.A.	KU-RING-GAI		
Calc's	M.V.	Drawn	N.F.	Proj.Man.	A.C.
				Client Ref.	

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Our Ref. 181-11
Dwg File Ref. [Rev] - Sheet Ref.
181-11C E100 [04]



HORIZONTAL SCALE - 1:250
VERTICAL SCALE - 1:50



**DIAL 1100
BEFORE YOU DIG**

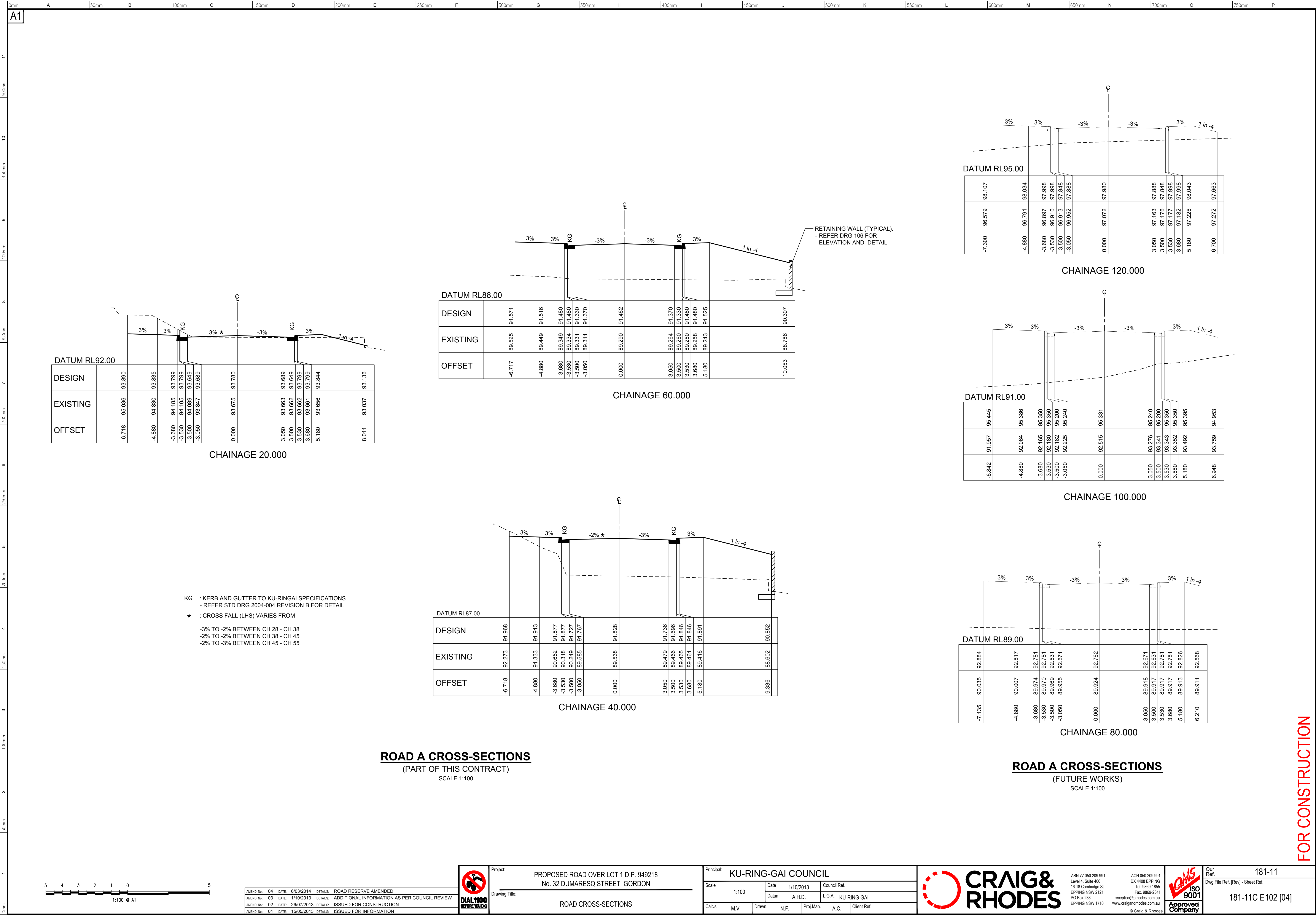
Principal: KU-RING-GAI COUNCIL					
Scale 1:250 HOR. 1:100 VER.		Date 1/10/2013		Council Ref.	
		Datum A.H.D.		L.G.A. KU-RING-GAI	
Calc's MV		Drawn. N.F.		Proj.Man. A.C.	
				Client Ref.	

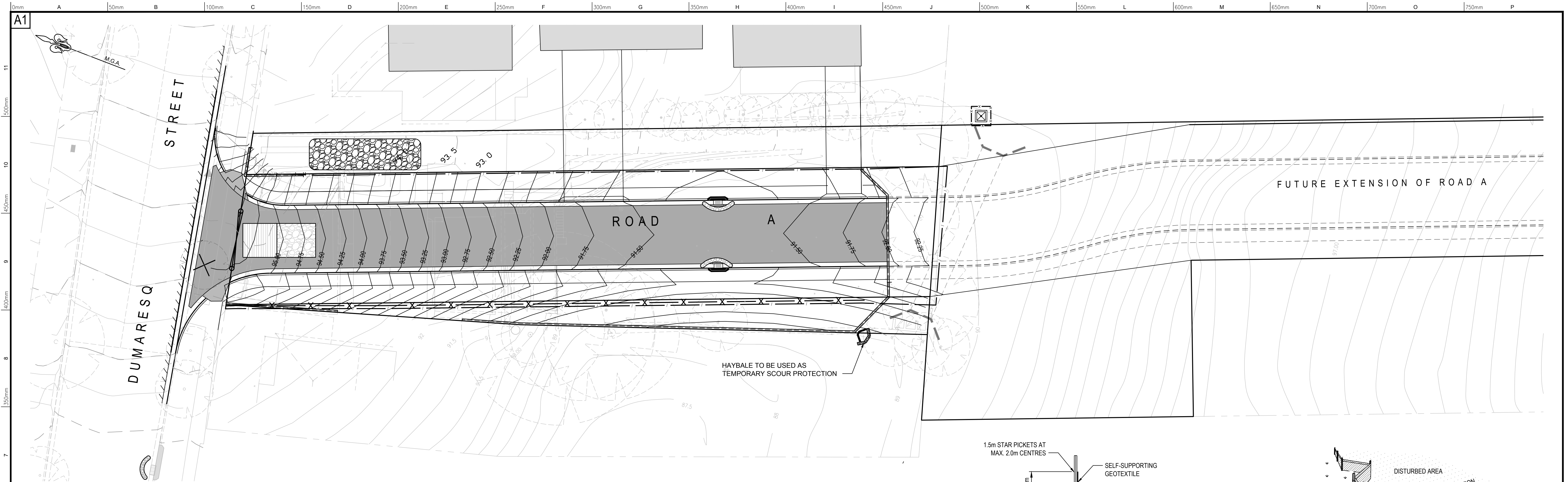


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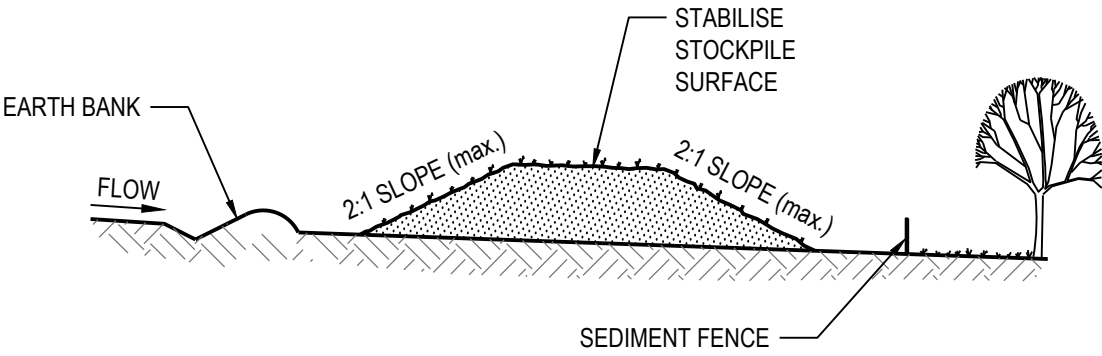
Our Ref.	181-11
Dwg File Ref. [Rev] - Sheet Ref.	
181-11C E101 [03]	





LEGEND

- TEMPORARY CONSTRUCTION ACCESS
- SITE STOCKPILE
- SITE FENCE
- SITE GATE
- SEDIMENT FENCE
- GEOTEXTILE INLET FILTER - DROP INLET SEDIMENT TRAP
- SEDIMENT TRAP FOR KERB INLET - WIRE MESH AND GRAVEL
- SEDIMENT TRAP - HAY BALES

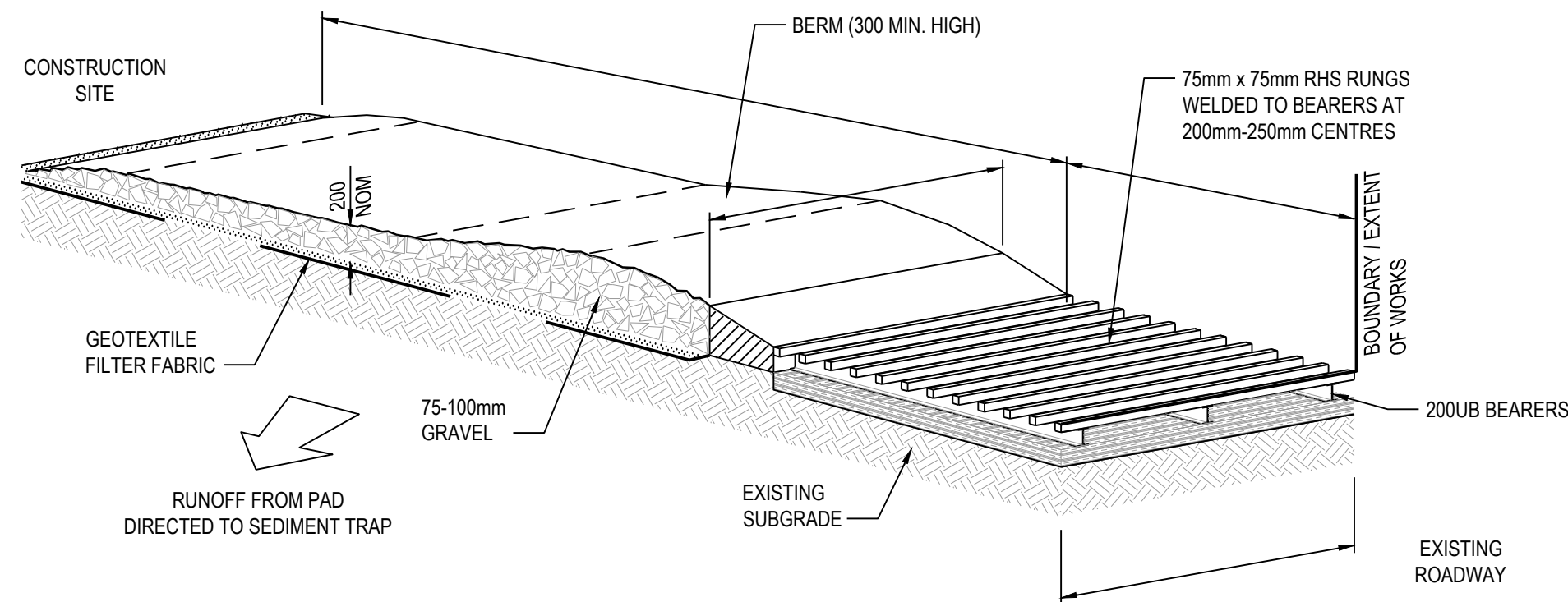


NOTES:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT. 4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES 1 TO 2 METRES DOWNSLOPE.

STOCKPILE

NOT TO SCALE



STABILISED SITE ACCESS

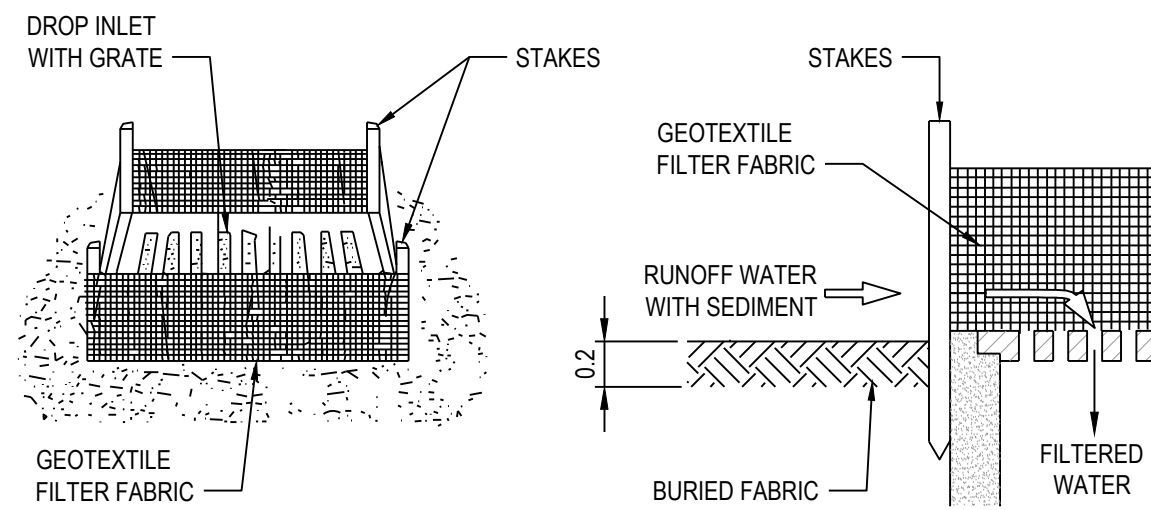
NOT TO SCALE

MAINTENANCE

- THE TEMPORARY ACCESS SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY.
- THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL GRAVEL AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS OF WAY MUST BE REMOVED IMMEDIATELY.
- INSTALL BARRIER ON EITHER SIDE OF SHAKER PAD TO ENSURE VEHICLES ARE GUIDED ON TO THE PAD.
- INVERT OF SHAKER PAD TO BE DRAINED VIA AGRICULTURAL PIPE WRAPPED IN GEOTEXTILE FABRIC.

CONCEPT SEDIMENT AND EROSION CONTROL PLAN

SCALE 1:200

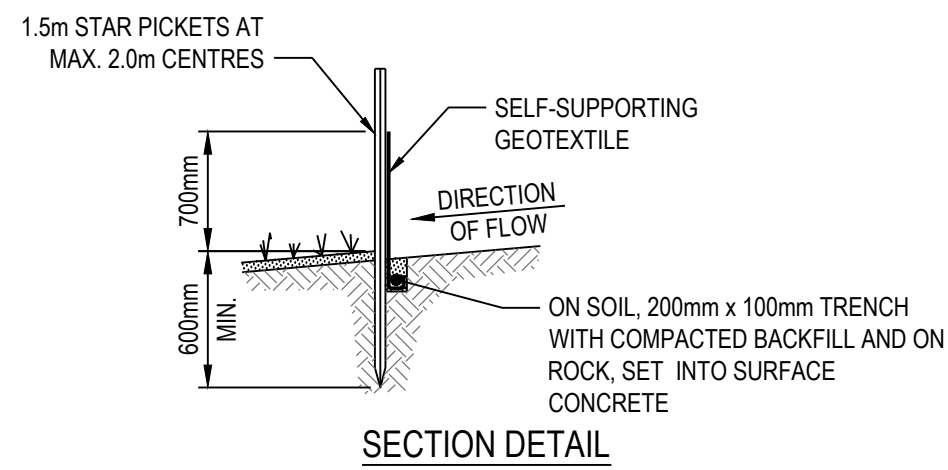


NOTES:

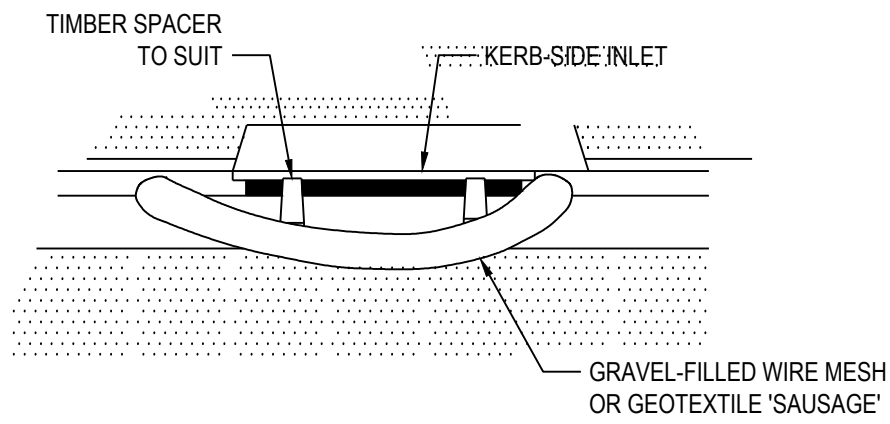
1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. CUT A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.0m LONG STAR PICKETS INTO GROUND AT THE FOUR CORNERS OF PIT WALLS. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

GEOTEXTILE INLET FILTER DROP INLET SEDIMENT TRAP

NOT TO SCALE



SECTION DETAIL

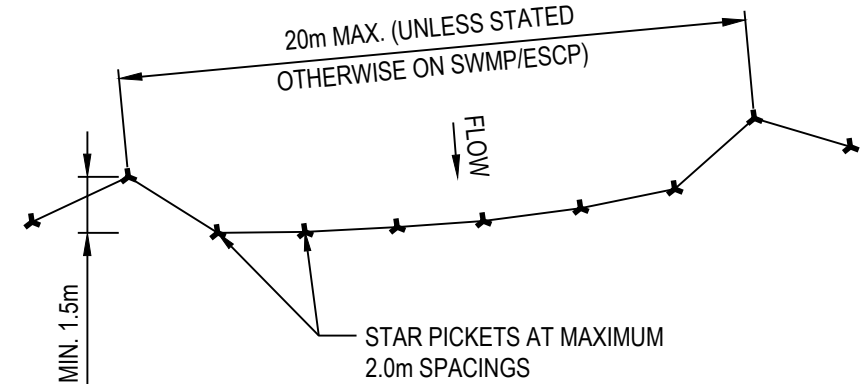
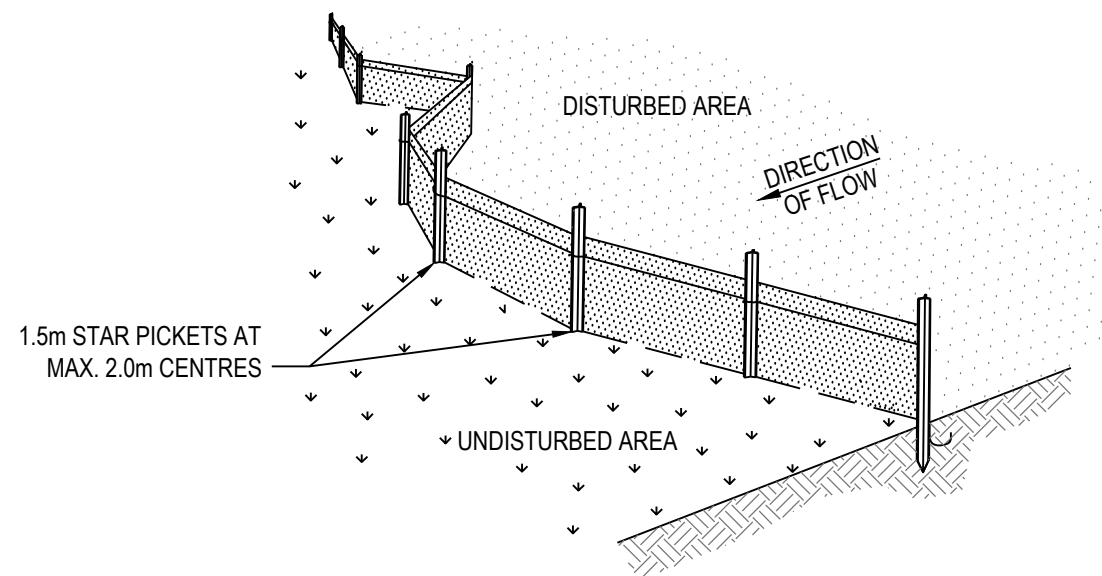


MESH AND GRAVEL INLET FILTER

NOT TO SCALE

NOTES:

1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100-mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACE BLOCKS.
4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABOUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.



PLAN

NOTES:

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50L/s IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 200mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.0m INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE

NOT TO SCALE



Project: PROPOSED ROAD OVER LOT 1 D.P. 949218 No. 32 DUMARESQ STREET, GORDON
Drawing Title: CONCEPT SEDIMENT AND EROSION CONTROL PLAN AND DETAILS

Principal: KU-RING-GAI COUNCIL					
Scale	AS SHOWN	Date	1/10/2013	Council Ref.	
		Datum	A.H.D.	L.G.A. KU-RING-GAI	
Calc's	M.V.	Drawn	C.S.	Proj.Man.	A.C.
		Client Ref.			

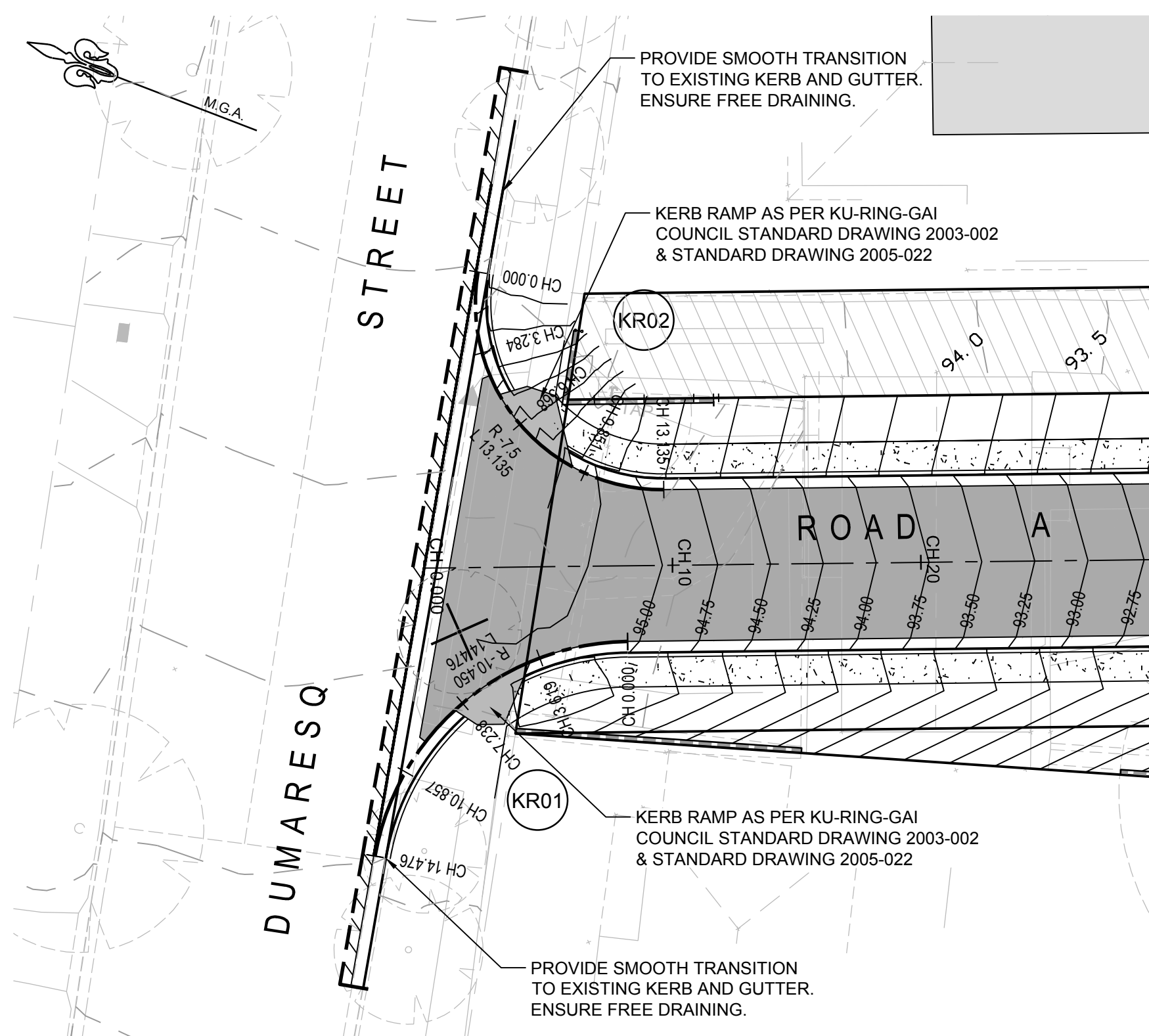


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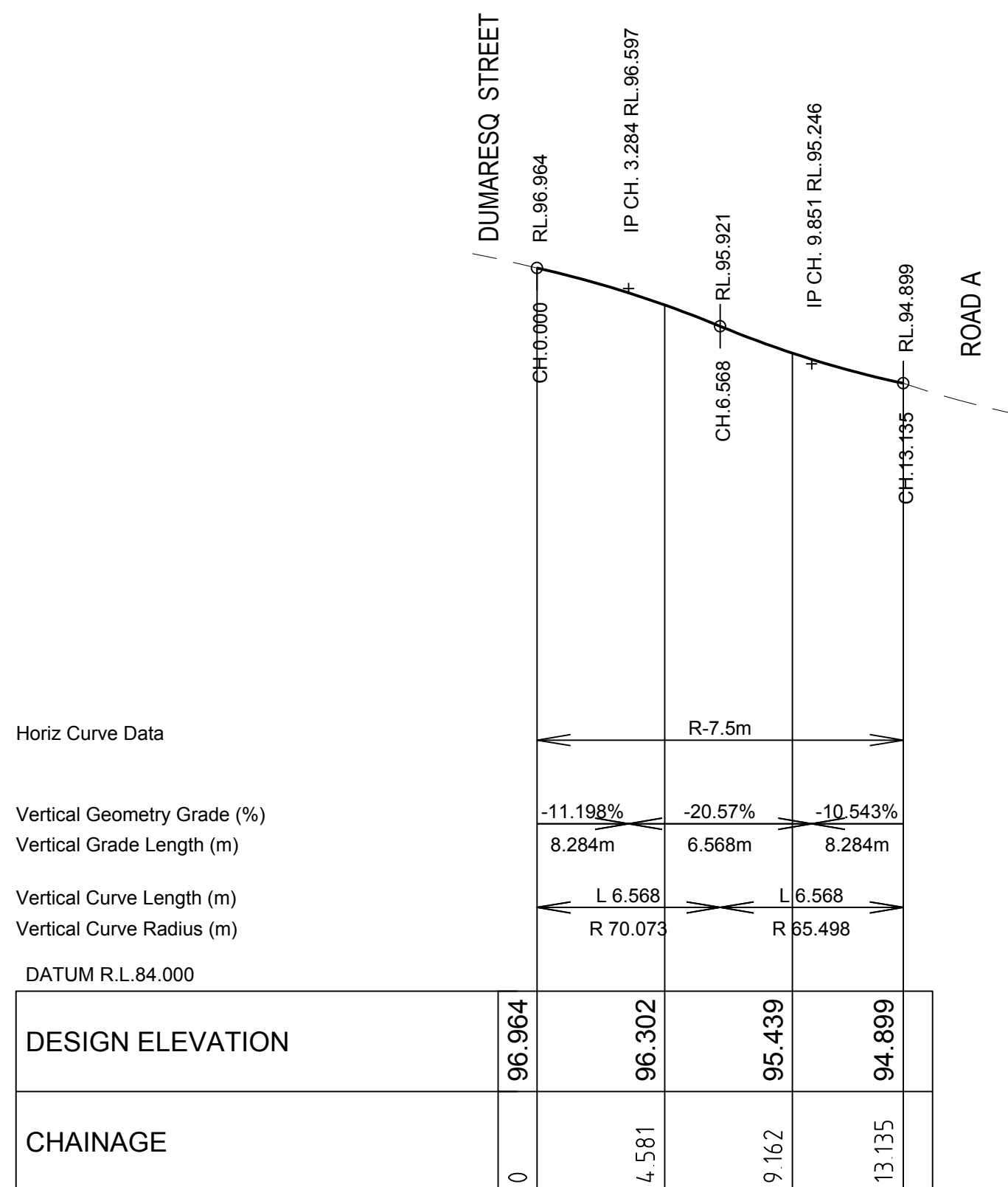


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181-11C E103 [03]

FOR CONSTRUCTION

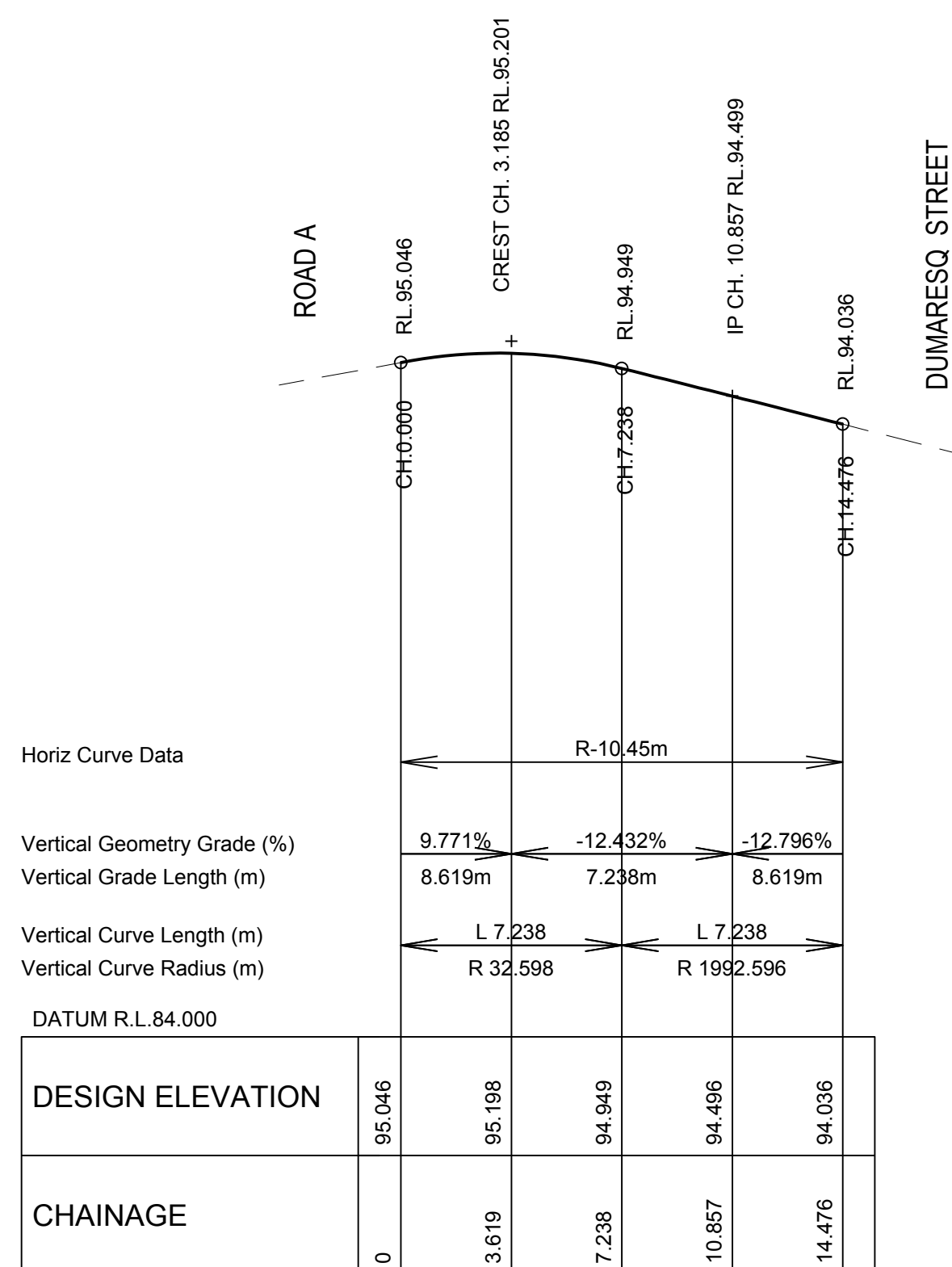


PLAN
SCALE 1:200



LONGITUDINAL SECTION - KR01

HORIZONTAL SCALE - 1:200
VERTICAL SCALE - 1:100



LONGITUDINAL SECTION - KR02

HORIZONTAL SCALE - 1:200
VERTICAL SCALE - 1:100

AMEND. No.:	03	DATE:	6/03/2014	DETAILS:	ROAD RESERVE AMENDED
AMEND. No.:	02	DATE:	1/10/2013	DETAILS:	ADDITIONAL INFORMATION AS PER COUNCIL REVIEW
AMEND. No.:	01	DATE:	26/07/2013	DETAILS:	ISSUED FOR CONSTRUCTION



Project:	PROPOSED ROAD OVER LOT 1 D.P. 949218 No. 32 DUMARESQ STREET, GORDON
Drawing Title:	KERB RETURN LAYOUT PLAN AND LONGITUDINAL SECTIONS

Principal: KU-RING-GAI COUNCIL

Scale AS SHOWN		Date	1/10/2013		Council Ref.	
		Datum	A.H.D.		L.G.A. KU-RING-GAI	
Calc's	M.V	Drawn.	N.F.	Proj.Man.	A.C.	Client Ref.



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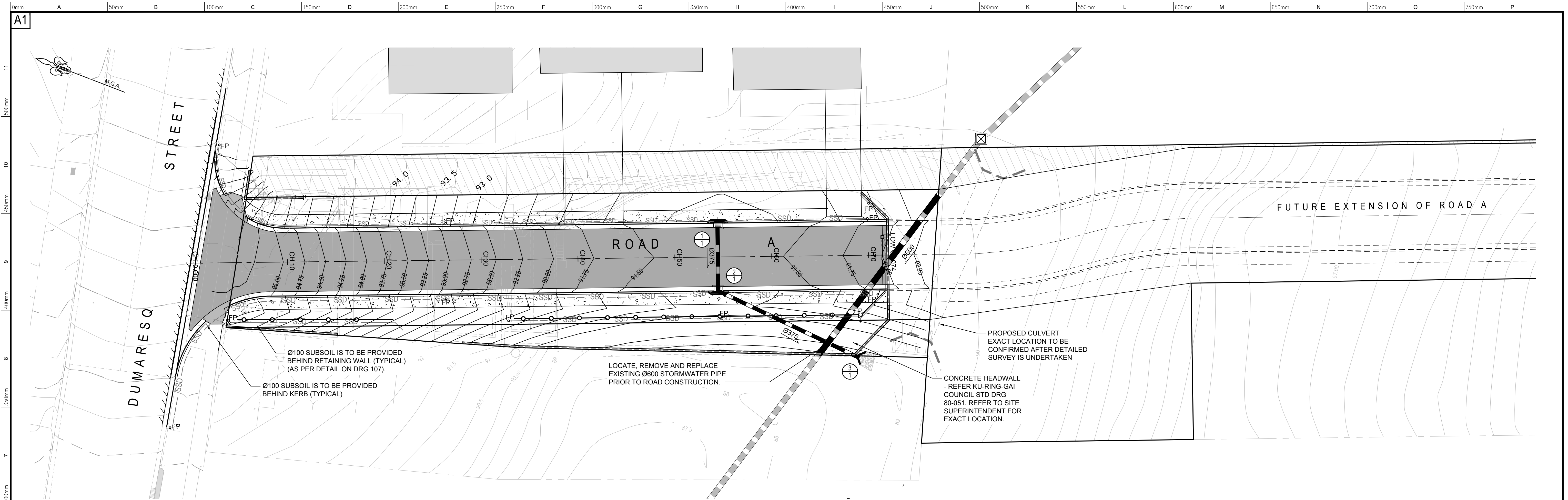
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Our Ref.	181-11
Dwg File Ref. [Rev] - Sheet Ref.	181-11C E104

FOR CONSTRUCTION

AD REF: Z:\181-111CR_PLANS\181-111C100-107 (JUL)DWG - 111C [03] - M.V. - NF. - AC. - DATE PRINTED: 13/03/2016 08:58:21 AM



STORMWATER DRAINAGE PLAN
SCALE 1:200

LEGEND

- DESIGN CONTOUR
- XXX = PIPE DIAMETER
STORMWATER PIPE - REFER KU-RING-GAI COUNCIL STANDARD DRAWING 2004-010 [RevB] FOR PIPE TRENCH MATERIALS.
- GRATED SAG PIT WITH EXTENDED KERB INLET
- REFER KU-RING-GAI COUNCIL STD DRG 80-048
- CONCRETE HEADWALL
REFER KU-RING-GAI COUNCIL STD DRG 80-051
- SSD -
- SUBSOIL HIGH END RISER
- SUBSOIL INTERMEDIATE RISER

PIT SCHEDULE

NAME	DESCRIPTION
- LINE 1 -	
1-1	STANDARD 1.8m LINTEL PIT (SAG) - REFER KU-RING-GAI COUNCIL STD DRG 80-048
2-1	STANDARD 1.8m LINTEL PIT (SAG) - REFER KU-RING-GAI COUNCIL STD DRG 80-048
3-1	CONCRETE HEADWALL - REFER KU-RING-GAI COUNCIL STD DRG 80-051

PIPE FLOW (L/s)	58	116
PIPE GRADE (%)	5.0%	0.8%
PIPE SIZE (mm)	375	375
PIPE TYPE, CLASS	RCP	RCP
DATUM (m)	67.00	
SURFACE LEVEL	91.27	90.50
HYDRAULIC GRADE LINE	90.05 89.92	91.26 89.59
INVERT LEVEL	89.83 89.48 89.45	89.33 89.34
PIPE CHAINAGE	0.00 7.00	22.63

STORMWATER LONGITUDINAL SECTION
- LINE 1 -
HORIZONTAL SCALE 1:200
VERTICAL SCALE 1:20

AMEND. NO. 03	DATE: 6/03/2014	DETAILS: ROAD RESERVE AMENDED
AMEND. NO. 02	DATE: 1/10/2013	DETAILS: ADDITIONAL INFORMATION AS PER COUNCIL REVIEW
AMEND. NO. 01	DATE: 26/07/2013	DETAILS: ISSUED FOR CONSTRUCTION



Project:	PROPOSED ROAD OVER LOT 1 D.P. 949218 No. 32 DUMARESQ STREET, GORDON
Drawing Title:	STORMWATER DRAINAGE PLAN AND LONGITUDINAL SECTION

Principal:	KU-RING-GAI COUNCIL			
Scale	AS SHOWN	Date	1/10/2013	Council Ref.
		Datum	A.H.D.	L.G.A. KU-RING-GAI
Calc's	M.V.	Drawn	C.S.	Proj.Man. A.C. Client Ref.



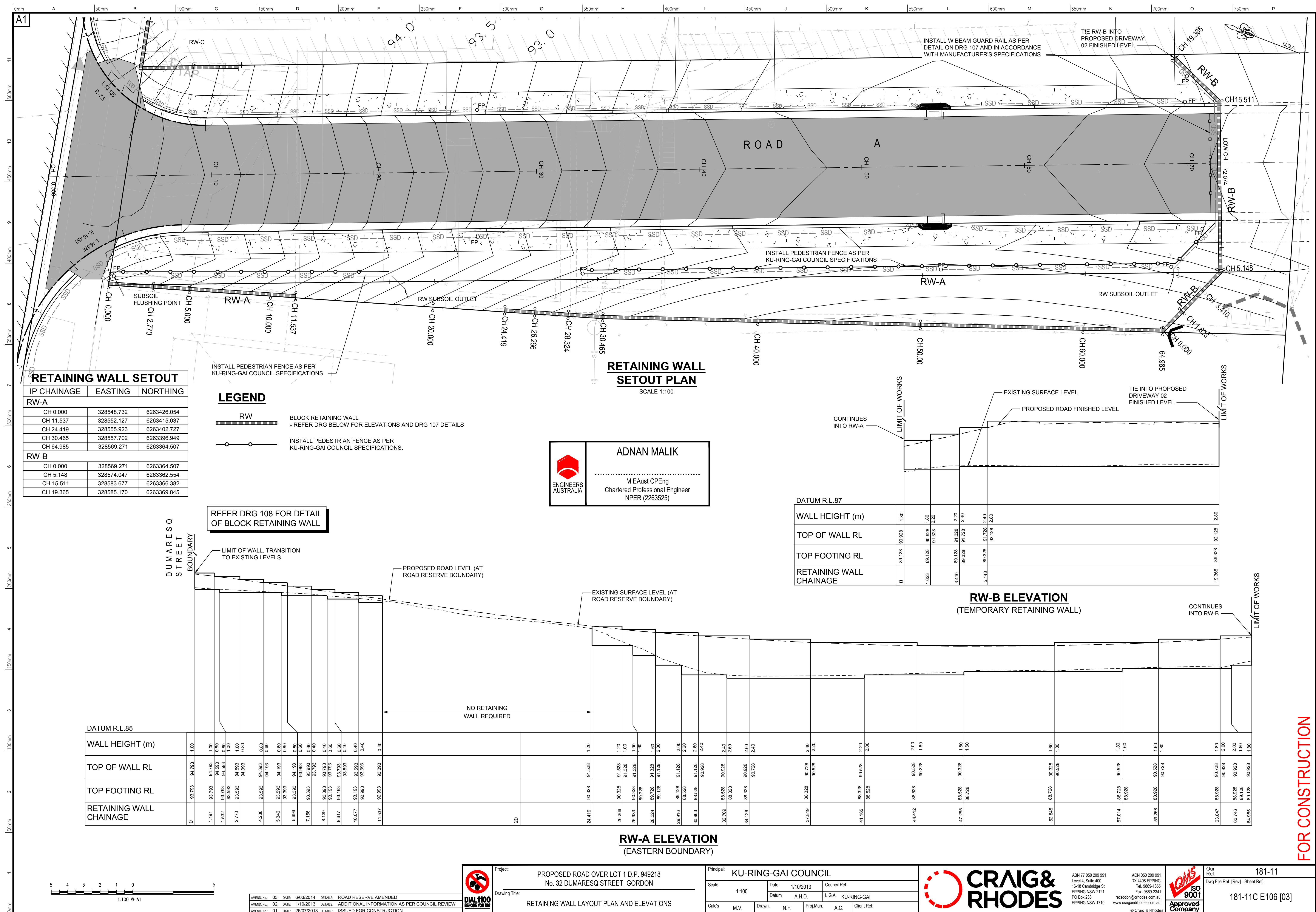
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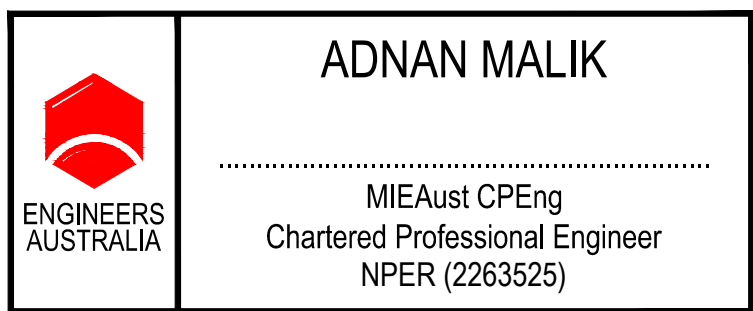


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Dwg File Ref. [Rev] - Sheet Ref.	
	181-11C E105 [03]

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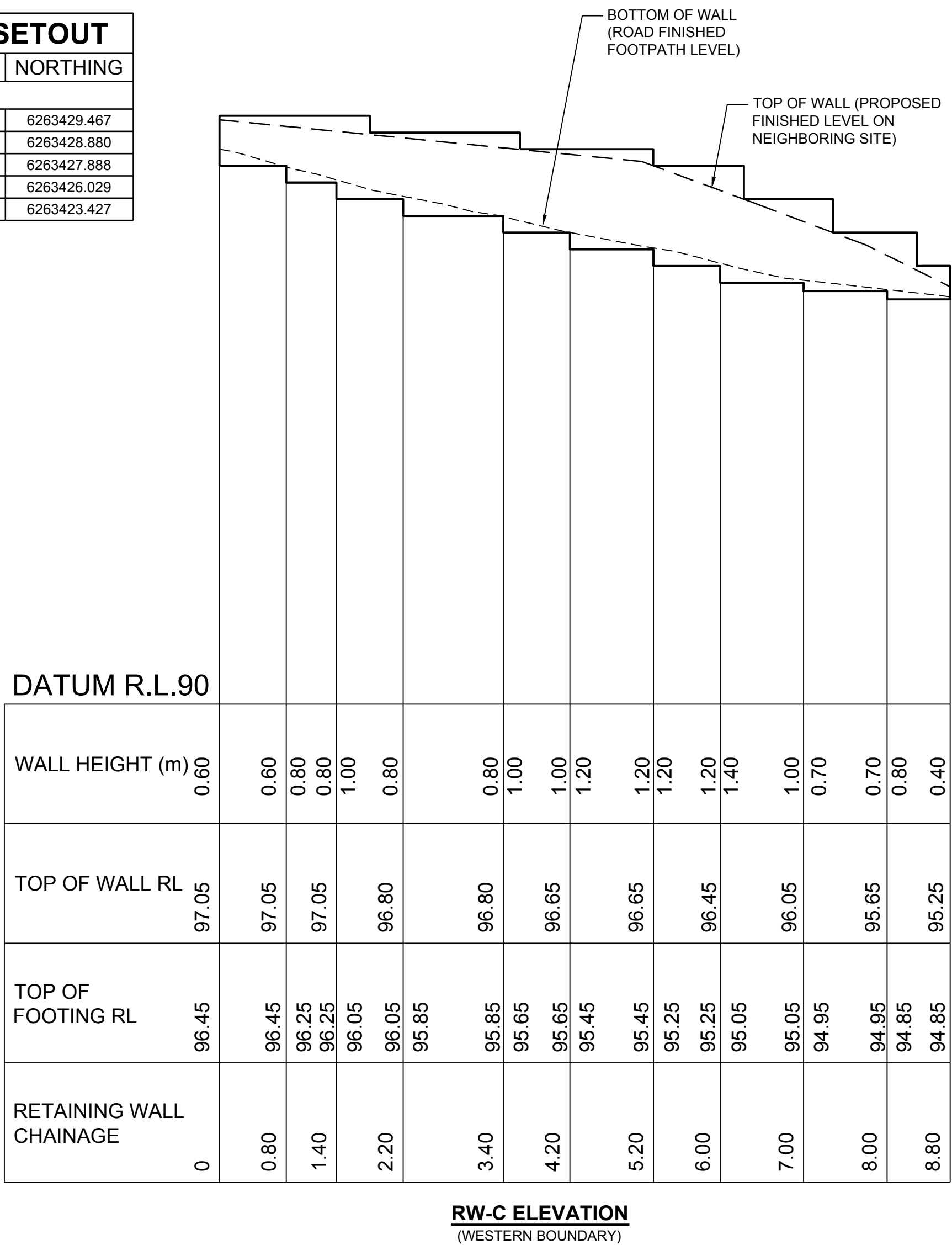
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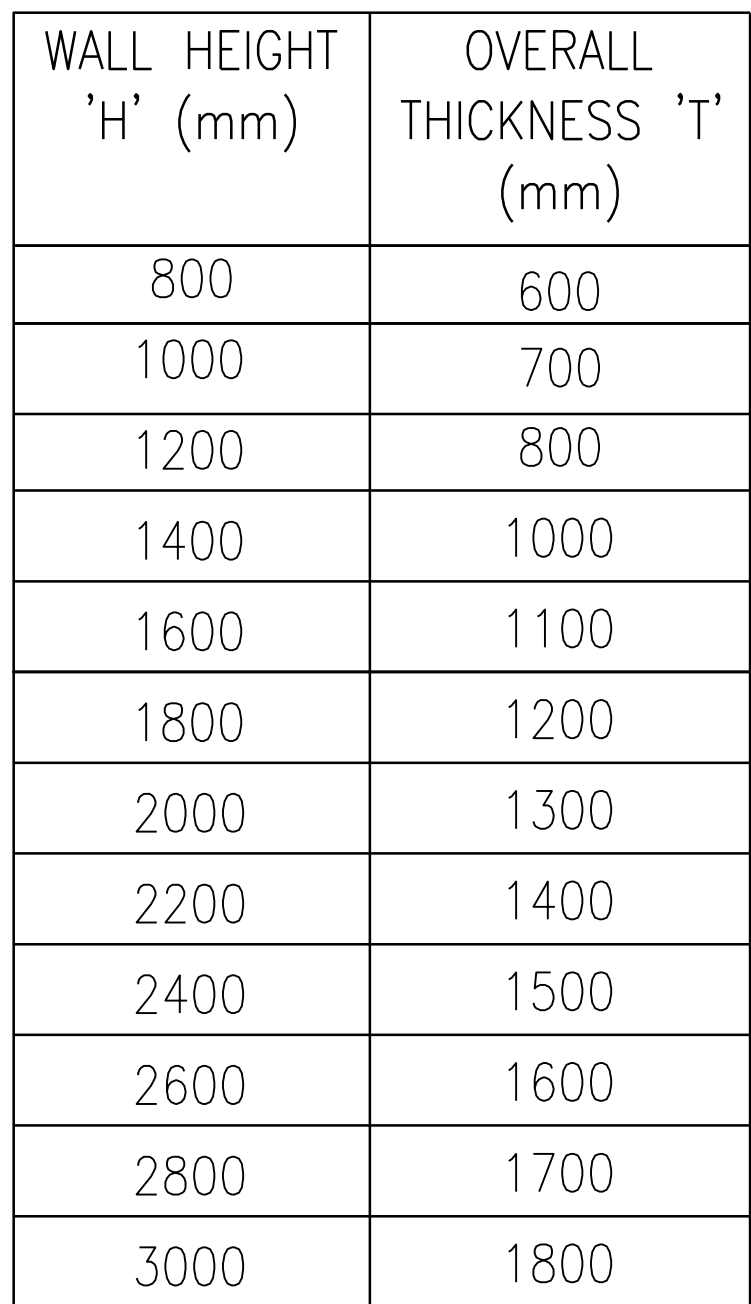
LEGEND

 RW	BLOCK RETAINING WALL - REFER DRG BELOW FOR ELEVATIONS AND DRG 107 DETAILS.
	INSTALL PEDESTRIAN FENCE AS PER KU-RING-GAI COUNCIL SPECIFICATIONS.

RETAINING WALL SETOUT		
IP CHAINAGE	EASTING	NORTHING
RW-C		
CH 0.00	328564.683	6263429.467
CH 2.80	328561.943	6263428.880
CH 4.00	328562.337	6263427.888
CH 6.00	328563.076	6263426.029
CH 8.80	328564.110	6263423.427



FOR CONSTRUCTION



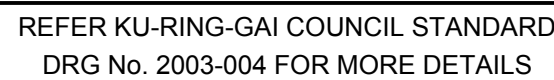
DESIGN PARAMETERS FOR BLOCK RETAINING WALLS:
RETAIN BACKFILL MATERIAL 30° FRICTON ANGLE
COHESION 5kPa (MIN.)
MIN ALLOWABLE BEARING CAPACITY = 150kPa
1 max : 3 BANK BATTER OR 5 kPa SURCHARGE.



REFER TO ARMCO SPEC'N FOR
DETAILS OR APPROVED EQUIVALENT



IN ABSENCE OF GEOTECHNICAL
REPORT, THE PAVEMENTS SUB-GRADE
ASSUMED CBR 6%.



SCALE 1:10



FOR CONSTRUCTION