

GENERAL

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTS:
 - OTHER PROVIDED ENGINEERING DRAWINGS
 - TECHNICAL SPECIFICATIONS
 - SUPPLEMENTARY SPECIFICATIONS
 - WRITTEN INSTRUCTIONS
2. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT SPECIFICATION FOR THE WORKS TOGETHER WITH THE REQUIREMENTS OF ALL THE RELEVANT CODES OF PRACTICE REFERRED TO THEREIN AND THE REQUIREMENTS OF MACKAY REGIONAL COUNCIL STANDARDS.
3. ALL LOCATIONS, ORIENTATION AND LEVELS SHALL BE VERIFIED ON SITE BEFORE COMMENCING ANY WORK. DISCREPANCIES SHALL BE REFERRED TO THE SITE SUPERINTENDENT.
4. THE CONTRACTOR SHALL OBTAIN THE LOCATION OF ALL SERVICES AND PROTECT THESE SERVICES PRIOR TO WORKING IN THE VICINITY. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
5. WORKS TO ANY SERVICES SHOULD BE DONE IN CONSULTATION WITH THE APPROPRIATE SERVICE PROVIDER.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PROVISION OF ANY TEMPORARY BRACING, PROPPING ETC. TO UNDERGROUND SERVICES DURING CONSTRUCTION . STRUCTURES SHALL BE MAINTAINED IN A STABLE POSITION AND NO PART SHALL BE OVERSTRESSED.
7. DO NOT OBTAIN DIMENSIONS FROM SCALING.
8. NATURAL SURFACE LEVELS ON THE DRAWINGS ARE INDICATIVE ONLY.
9. ANY PERMITS AND APPROVALS REQUIRED FOR CONSTRUCTION OF PERMANENT OR TEMPORARY WORKS SHALL BE OBTAINED BY THE CONTRACTOR.
10. MRC STANDARD DETAILS ARE TO BE ADOPTED UNLESS STATED OTHERWISE.

BULK EARTHWORKS

1. ALL EARTHWORKS CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE MACKAY REGIONAL COUNCIL (MRC) DEVELOPMENT MANUAL AND STANDARD DRAWINGS. THE CONTRACTOR SHALL REFER SPECIFICALLY TO EARTHWORKS REQUIREMENT UNDER ROADS.
2. ALL EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH AS3798, UNDER LEVEL 1 SUPERVISION.
3. INSITU SOILS ARE NOT TO BE USED AS STRUCTURAL FILL.
4. IMPORTED GENERAL FILL MUST BE COHESIVE IN NATURE AND GOOD QUALITY LOW PLASTICITY WITH:

4.1. A LIQUID LIMIT LESS THAN 45%

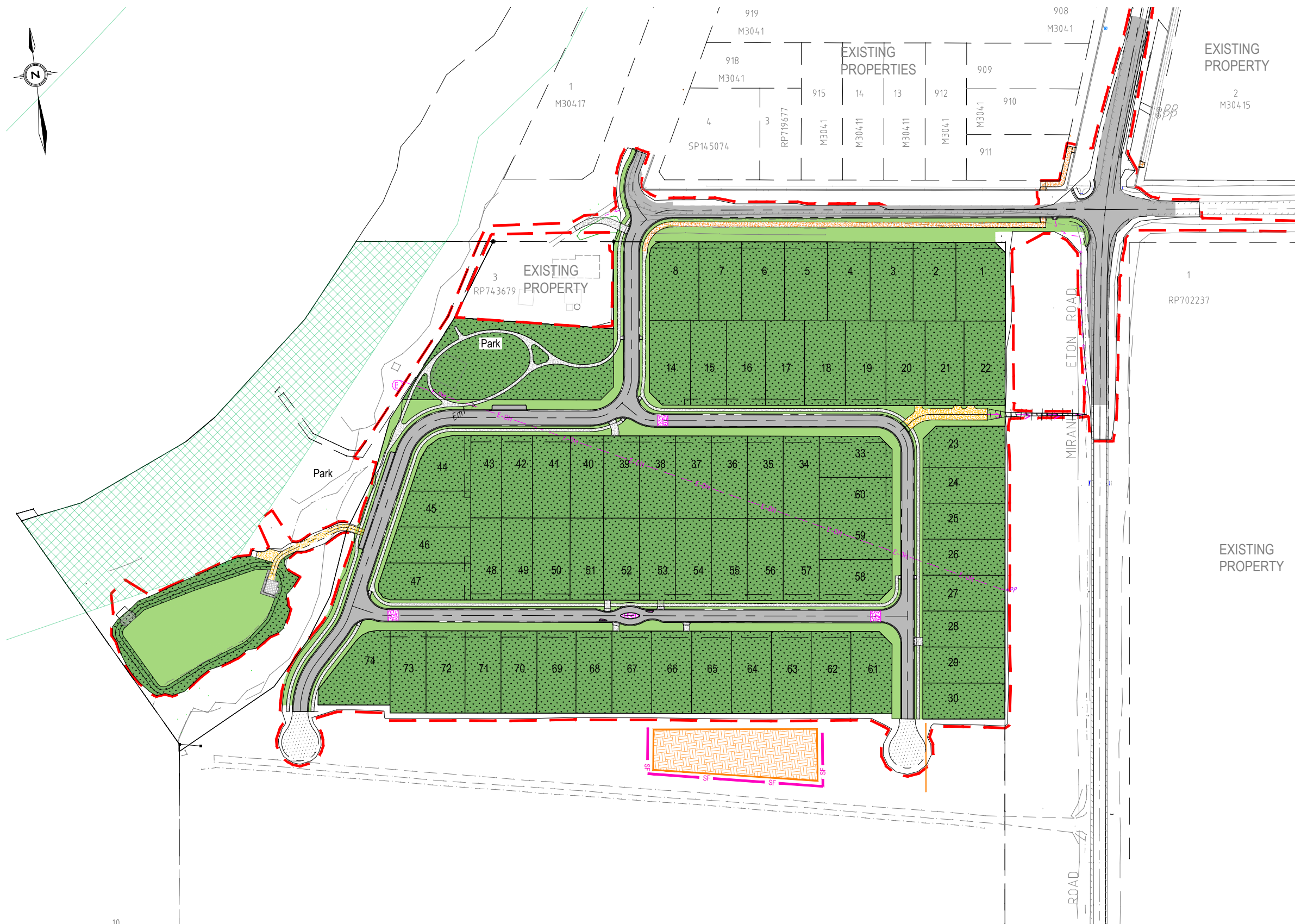
4.2. PLASTICITY INDEX OF LESS THAN 15%.







4.3. SOAKED CBR GREATER THAN 10%

4.4. MAXIMUM PARTICLE SIZE OF 75MM

4.5. AT LEAST 80% PASSIVE THE 19MM SIEVE
5. FILL MATERIAL MUST BE PLACED IN LAYERS NOT EXCEEDING 200MM OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
6. UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT, MINIMUM RELATIVE STANDARD COMPACTION OF ALL EARTHWORKS IS TO A DENSITY NOT LESS THAN 98%.
7. THE SUB-BASE MATERIAL SHOULD BE COMPACTED TO A DENSITY NOT LESS THAN 98% OF MAXIMUM DRY DENSITY. .
8. UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT, ALL FILL SHALL BE PLACED AT BETWEEN +2% AND -2% OF OPTIMUM MOISTURE CONTENT.
9. FIELD DENSITY TESTING MUST BE CARRIED OUT TO CHECK THE STANDARD OF COMPACTION ACHIEVED AND THE MOISTURE CONTENT IN ACCORDANCE WITH AS3798-2007.
10. BACKFILLING OF SERVICE TRENCHES MUST USE GOOD QUALITY MATERIAL PLACED IN UNIFORM LAYERS NOT EXCEEDING 200MM OVER THE WIDTH OF THE EXCAVATION.
11. BATTER SLOPES IN THE EXISTING FILLING CUT TO NO DEEPER THAN 2M, MAY BE DESIGN FOR TEMPORARY CONDITION OF 1:1 AND PERMANENT SLOPES OF 1:2.5
12. ALL OF THE SITE SHALL BE KEPT FREE DRAINING DURING ALL PHASES OF THE PROJECT.
13. NOTWITHSTANDING THE LIMITS AND FILLING SHOWN ON THE CROSS SECTIONS THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE SUPERINTENDENT DURING CONSTRUCTION AND SIMILARLY THE FINISHED SURFACE CONTOURS MAY BE ADJUSTED BY WRITTEN DIRECTION OF THE SUPERINTENDENT DURING CONSTRUCTION.
14. ALL LEVELS PROVIDED ARE TO FINISHED FLOOR & FINISHED SURFACE LEVEL UNLESS SPECIFIED OTHERWISE.
15. WHERE A RISK OF SOME FUTURE DIFFERENT SETTLEMENT CAN BE ACCEPTED EXCAVATE SORT AND RE COMPACT THE TOP 0.5m.
16. CONSIDERATION SHALL BE GIVEN TO ADJACENT LANDOWNERS DURING THE CONSTRUCTION WORKS. REFER TO SPECIFICATION FOR CONTRACTOR NOTIFICATIONS.
17. THE CONTRACTOR SHALL ALLOW FOR ALL DUST CONTROL MEASURES IN ACCORDANCE WITH MRC REQUIREMENTS.

				SCALE:	CLIENT:	CONSULTANTS:		STATUS:		PROJECT TITLE:		<div><div>SCG</div><div>URBAN</div></div> <div>Project Management Urban Engineering Design Contract Administration Project Investigations www.scgurban.com.au</div> <div>PHONE : 0477 300 133 EMAIL: INFO@SCGURBAN.COM.AU</div> <div><div>PROJECT NO. 870-100-ENG-STG1</div><div>DRAWING NO. C001</div><div>REVISION A</div></div>	
					<div><div></div><div>CERTAINTY WEALTH</div></div>	<div><div></div><div>TOPO.</div></div> <div><div></div><div>RPS</div></div>		ISSUE FOR APPROVAL		MIRANI RIVERBEND RESIDENTIAL SUBDIVISION PHASE 1 (FROM STAGES 1,2 & 3) MIRANI - ETON ROAD, MIRANI LOTS 900 ON SP255615			
								CERTIFIED: <div><div></div><div>KEL HOWARD 01.04.25</div></div>					
								RPEQ NO. 07619		PROJECT TEAM			
A		ISSUE FOR APPROVAL		GC	01.04.25			HEIGHT DATUM		AHD	DESIGNER	SC	DRAWING TITLE: GENERAL NOTES SHEET 1 OF 2
								GRID		LOCAL	REVIEWED	AM/SS	
											APPROVER	KH	
REV.		DESCRIPTION		ISSUE	DATE			ORIGINAL SIZE		A1, A3 (HALFSCALE) THESE DRAWINGS ARE TO BE PRINTED IN COLOUR AND BEST VIEWED ON A ELECTRONIC DEVICE			
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				SCALE: 1 : 1000 1 : 2000  A1 A3		CLIENT:  CERTAINTY WEALTH		CONSULTANTS:  TOPO.  RPS		STATUS: ISSUE FOR APPROVAL		PROJECT TITLE: MIRANI RIVERBEND RESIDENTIAL SUBDIVISION PHASE 1 (FROM STAGES 1,2 & 3) MIRANI - ETON ROAD, MIRANI LOTS 900 ON SP255615		 SCG URBAN Project Management Urban Engineering Design Contract Administration Project Investigations www.scgurban.com.au	
				DO NOT SCALE FROM THIS DRAWING - IF IN DOUBT ASK						CERTIFIED:  KEL HOWARD 01.04.25		DRAWING TITLE: EROSION AND SEDIMENT CONTROL PLAN PHASE 3 & 4 POST CONSTRUCTION		PHONE : 0477 300 133 EMAIL: INFO@SCGURBAN.COM.AU	
A	ISSUE FOR APPROVAL	GC	01.04.25	THESE DESIGNS AND DRAWINGS ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF SCG URBAN PTY LTD.						RPEQ NO. 07619 PROJECT TEAM HEIGHT AND DATUM DESIGNER REVIEWED GRID LOCAL APPROVER				PROJECT NO. 870-100-ENG-STG1 DRAWING NO. C111 REVISION A	
REV.	DESCRIPTION	ISSUE	DATE							ORIGINAL SIZE: A1 A3 (HALF SCALE) THESE DRAWINGS ARE TO BE PRINTED IN COLOUR AND BEST VIEWED ON A ELECTRONIC DEVICE					



LEGEND

PROPOSED ROAD CENTRELINE

PROPOSED NOMINAL KERB LINE

PROPOSED LIMIT OF WORKS

11.00

PROPOSED SURFACE CONTOURS

11.00

EXISTING SURFACE CONTOURS

PROPOSED SWALE

IRR

EXISTING IRRIGATION LINE

S

EXISTING SEWER LINE

W

EXISTING WATER

SWD

EXISTING STORMWATER

E-OH

EXISTING ELECTRICAL OVERHEAD

H

EXISTING FIRE HYDRANT

V

EXISTING WATER VALVE

PP

EXISTING POWER POLE

LP

EXISTING LIGHT POLE

EXISTING TELSTRA PIT

PROPOSED TOPSOIL STOCKPILE

CUT/FILL LEGEND

CUT 0m to .3m	FILL 0m to .3m
CUT .3m to .6m	FILL .3m to .6m
CUT .6m to .9m	FILL .6m to .9m
CUT .9m to 1.2m	FILL .9m to 1.2m
CUT 1.2m to 1.5m	
CUT 1.5m to 1.8m	
CUT 1.8m to 2.1m	

EARTHWORKS STAGE 1

CUT OR FILL	ITEM	VOLUME (m³)
CUT	TOTAL CUT	13,818
FILL	TOTAL FILL	13,700
BALANCE (BANK MEASURE)		118

- NOTES:
1.

CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORKS.
2.

EARTHWORKS CUT AND FILL VOLUMES CONSIDER MATERIAL COMPACTED IN PLACE AND DO NOT INCLUDE A BULKING FACTOR FOR TRANSPORTATION.
3.

CONTOURS AND DESIGN LEVELS SHOWN REPRESENT THE FINISHED SURFACE LEVELS
4.

ALL 1 IN 2 BATTERS ARE TEMPORARY AND TO BE TURFED IMMEDIATELY TO PREVENT EROSION.
5.

ALL BATTERS AROUND TEMPORARY BASIN TO BE TURFED TO PREVENT EROSION.
6.

REFER TO DWG C001 FOR DRAWING SET NOTES.

SCALE:

1 : 1000
1 : 2000

10 0 10 20 30 40 50m

A1
A3

CLIENT:

CERTAINTY WEALTH

CONSULTANTS:

TOPO.

RPS

STATUS:

ISSUE FOR APPROVAL

PROJECT TITLE:

MIRANI RIVERBEND RESIDENTIAL SUBDIVISION
PHASE 1 (FROM STAGES 1,2 & 3)
MIRANI - ETON ROAD, MIRANI
LOTS 900 ON SP255615

PROJECT TEAM

KEL HOWARD 01.04.25

DESIGNER GC
REVIEWED AMSS
APPROVER KH

DRAWING TITLE:

BULK EARTHWORKS CUT/FILL
LAYOUT PLAN

DO NOT SCALE FROM THIS DRAWING - IF IN DOUBT ASK

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PROJECT NO.
870-100-ENG-STG1

DRAWING NO.
C205

REVISION
A

REV.	DESCRIPTION
A	ISSUE FOR APPROVAL

ISSUE	DATE
GC	01.04.25