Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536
Email. brissoil@bigpond.net.au
Geotechnical Testing Services.

Connemar Pty. Ltd.
ABN 50 065 093 647

Job No. 202128

18th of January 2023

BMD Urban Pty Ltd
PO Box 197
WYNNUM CENTRAL QLD 4178

Attn Kayt Scott

RE: CLAY GULLY – STAGE 3
(Allotment Fill, Road Embankment Fill, Bio Basin Backfill – Geotechnical Inspection & Testing)

SCOPE

Brisbane Soil Testing were commissioned by BMD Urban Pty Ltd to provide geotechnical inspection and testing of the allotment earthworks, bio basin backfill, and road embankment fill on Road 7 (CH100-CH120) on the above stage division.

Some filling was required as part of the development and for this work, our site presence was maintained in accordance with AS3798-2007 "Guidelines on Earthworks for Commercial and Residential Developments" Appendix B, "Level 1". As directed the scope of the Level 1 inspection and testing was:

(i) check adequacy of pre-fill ground preparation
(ii) remove unsuitable materials
(iii) inspect and carry out compaction control testing of placed fill materials
(iv) provide R.P.E.Q. Certification

CONTROL INSPECTION AND TESTING

An inspection of the areas to be filled was carried out on the 22nd of June 2022 and on an ongoing basis as the job progressed, by Brisbane Soil Testing staff and Steve Hackworth – The Soil Testers.

On-site cut materials were used for filling and these materials were generally placed in 0.20m loose horizontal layers and compacted with an 815 compactor and vibrating pad foot roller.

Seventy-four field density tests were carried between the 22nd of June 2022 and the 11th of January 2023. These tests recorded Dry Density Ratios between 95.0% and 104.0% relative to the standard compaction test and field moisture contents within –2.5% and +3.5% of their respective optimum moisture contents, AS1289.5.1.1.

Attached documents B194/4 & B37/12 (Report Nos. 47690, 47692, 47711, 47712, 47717, 47748, 47763, 47764, 47772, 47773, 47774, 47775, 47811, 47812, 47812A, 47813, 47814, 47821, 47827, 47828, 47829, 48006, 48350, 48352 & 48361) provide full test data for the compaction control tests.

No fill was placed on Lots 149-151, 176, 177, 181, 182, 202-205, 214, 219, 220 & 245 during our Level 1 Inspection & Testing Commission.

The location of all allotment fill & road embankment fill tests are shown on the attached drawing numbers B00297-CG302 REV0 & B00297-CG303 REV0 titled "Allotment Fill & Road Fill Locations".

The locations of all bio basin backfill tests are shown on the attached drawing number B00297-CE302 REV0 titled "`Bio Basin Backfill Locations".

CONCLUSION

Based on the test results and site inspections, we conclude that the fill foundation is considered to comply with requirements of Table 5.1- Item 1 & 3 of AS3798-2007 and the project specifications.

We confirm that all vegetation and topsoil was removed, and that a sound base for the proposed filling was provided. We further confirm that all filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

GREG McGRANN
BRISBANE SOIL TESTING

STEVEN HACKWORTH
THE SOILTESTERS
R.P.E.Q. No.9411

ALLOTMENT FILL & ROAD FILL LOCATIONS

RD P CL->ROAD 10 HORIZONTAL SEGMENTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	67773.986	95816.194	21.774	331°37'29.97"	LINE		108.105
TC	108.105	67722.611	95911.310	24.256	331°37'29.97"	ARC	30.000	20.257
CT	128.362	67719.491	95930.939	24.533	10°18'49.55"	LINE		129.694
E	258.056	67742.711	96058.537	23.119	10°18'49.55"			

RD P CL->DWAY B1 HORIZONTAL SEGMENTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	67973.599	96015.524		62°06'45.08"	LINE		4.092
TC	4.092	67977.216	96017.438		62°06'45.08"	ARC	6.000	4.000
CT	8.093	67981.097	96018.038	15.767	100°18'49.55"	LINE		53.315
E	61.408	68033.551	96008.493	11.750	100°18'49.55"			

RD P CL->ROAD 09 HORIZONTAL SEGMENTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	67843.486	95853.754	21.124	331°37'30.00"	LINE		80.352
TC	80.352	67805.300	95924.452	23.268	331°37'30.00"	ARC	30.000	20.257
CT	100.610	67802.180	95944.081	23.287	10°18'49.55"	LINE		104.795
E	205.405	67820.942	96047.183	23.110	10°18'49.55"			

RD P CL->ROAD 08 HORIZONTAL SEGMENTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	67912.995	95891.298	18.599	331°37'30.00"	LINE		52.618
TC	52.618	67887.989	95937.594	19.599	331°37'30.00"	ARC	30.000	20.257
CT	72.875	67884.869	95957.223	19.846	10°18'49.55"	LINE		74.226
E	147.101	67898.158	96030.249	19.790	10°18'49.55"			

RD P CL->ROAD 07 HORIZONTAL SEGMENTS

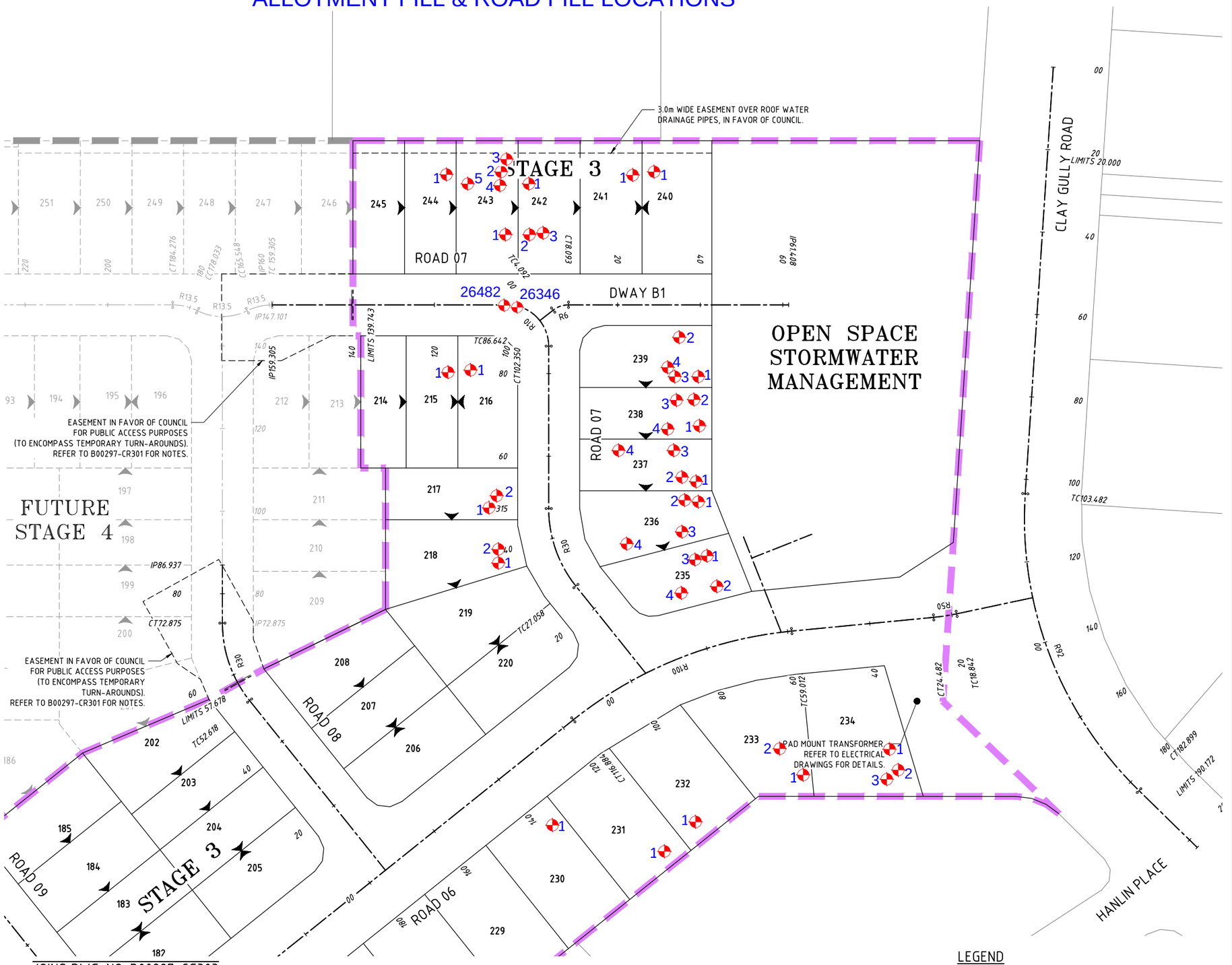
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	67983.536	95926.929	15.133	331°37'30.00"	LINE		27.058
TC	27.058	67970.678	95950.736	15.377	331°37'30.00"	ARC	30.000	20.257
CT	47.315	67967.558	95970.365	16.020	10°18'49.55"	LINE		39.327
TC	86.642	67974.599	96009.056	15.838	10°18'49.55"	-ARC	-10.000	15.708
CT	102.350	67966.551	96020.685	16.020	280°18'49.55"	LINE		56.955
TC	159.305	67910.516	96030.882	19.160	280°18'49.55"	-ARC	-13.500	6.243
CC	165.548	67904.337	96030.566	19.477	253°49'08.23"	ARC	13.500	12.485
CC	178.033	67892.487	96032.722	20.102	306°48'30.86"	-ARC	-13.500	6.243
CT	184.276	67886.815	96035.195	20.414	280°18'49.55"	LINE		133.910
TC	318.185	67755.069	96059.170	23.256	280°18'49.55"	-ARC	-13.500	6.243
CC	324.428	67748.890	96058.854	23.188	253°49'08.23"	ARC	13.500	12.485
CC	336.913	67737.040	96061.010	23.051	306°48'30.86"	-ARC	-13.500	6.243
CT	343.156	67731.368	96063.483	22.982	280°18'49.55"	LINE		56.955
TC	400.111	67675.334	96073.680	22.357	280°18'49.55"	-ARC	-10.000	15.708
CT	415.819	67663.705	96065.632	22.188	190°18'49.55"	LINE		157.500
TC	573.319	67635.506	95910.677	23.352	190°18'49.55"	-ARC	-10.000	15.708
CT	589.027	67643.554	95899.049	23.446	100°18'49.55"	LINE		51.821
TC	640.848	67694.538	95889.770	23.754	100°18'49.55"	-ARC	-20.000	13.505
CT	654.353	67707.624	95891.850	23.834	61°37'30.00"	LINE		22.434
E	676.787	67727.363	95902.512	24.120	61°37'30.00"			

RD P CL->CLAY GULLY RD HORIZONTAL SEGMENTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	68106.891	96053.621	13.335	194°04'34.51"	LINE		103.482
TC	103.482	68081.723	95953.246	11.331	194°04'34.51"	-ARC	-92.000	79.417
CT	182.899	68095.953	95877.599	10.496	144°37'00.77"	LINE		19.710
E	202.609	68107.366	95861.529		144°37'00.77"			

RD P CL->ROAD 06 HORIZONTAL SEGMENTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	68079.000	95928.173	11.070	268°19'12.00"	LINE		18.842
TC	18.842	68060.166	95927.621	11.076	268°19'12.00"	ARC	50.000	5.641
CT	24.482	68054.531	95927.774	11.367	274°47'01.20"	LINE		34.529
TC	59.012	68020.122	95930.653	13.393	274°47'01.20"	-ARC	-100.000	57.873
CT	116.884	67964.258	95918.987	16.048	241°37'30.00"	LINE		214.547
TC	331.431	67775.488	95817.026	21.761	241°37'30.00"	-ARC	-80.000	71.663
CT	403.094	67734.796	95760.941	20.665	190°18'00.00"	LINE		10.309
E	413.404	67732.953	95750.799	20.053	190°18'00.00"			



NOTE:
SETOUT INFORMATION IS CONTAINED IN THE ELECTRONIC DESIGN MODELS, WHICH ARE TO BE PROVIDED TO THE CONTRACTOR AND CONSTRUCTION SURVEYOR PRIOR TO THE START OF CONSTRUCTION.

LEGEND
- STAGE BOUNDARY
- LOT BOUNDARY
- ROAD CENTERLINE
- OPTIONAL "ZERO LOT" BOUNDARY

0 10 20 30 40 50m
10 7.5 5 2.5
SCALE 1:500 (A1) 1:1000 (A3)
DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.

No.	Amendments	Drawn	Design	Design Chk	Appd	Date
0	ISSUED FOR CONSTRUCTION	ESS	PDW	PI	PI	03/06/22

Peter Ingerman
Registered Engineer
6/6/2022 Date
9424 Register
ENGINEERING CERTIFICATION

RECEIVED
robgos1 , 15/06/2022, 1:27:02 PM

Empower ENGINEERS & PROJECT MANAGERS
ABN 23 010 743 692

Client: URBEX PTY LTD
Project: CLAY GULLY STAGE 3 - OPERATIONAL WORKS
Title: CONTROL LINE SETOUT PLAN SHEET 1 OF 2

Datum: AHD
PSM 186072
RL 11.794
(LOCAL)COORD

FOR CONSTRUCTION

Project No.	Drawing No.	Rev
B00297-CG302		0

LEGEND

- STAGE BOUNDARY
- LOT BOUNDARY
- ROAD CENTERLINE
- OPTIONAL "ZERO LOT" BOUNDARY

FUTURE STAGE 5

FUTURE STAGE 4

STAGE 3

OPEN SPACE STORMWATER MANAGEMENT

PARK

ROAD 07

ROAD 08

ROAD 09

ROAD 10

ROAD 06

EASEMENT IN FAVOR OF COUNCIL FOR PUBLIC ACCESS PURPOSES (TO ENCOMPASS TEMPORARY TURN-AROUNDS). REFER TO B00297-CR301 FOR NOTES.

EASEMENT IN FAVOR OF COUNCIL FOR PUBLIC ACCESS PURPOSES (TO ENCOMPASS TEMPORARY TURN-AROUNDS). REFER TO B00297-CR301 FOR NOTES.

EASEMENT IN FAVOR OF COUNCIL FOR PUBLIC ACCESS PURPOSES (TO ENCOMPASS TEMPORARY TURN-AROUNDS). REFER TO B00297-CR301 FOR NOTES.

PAD MOUNT TRANSFORMER. REFER TO ELECTRICAL DRAWINGS FOR DETAILS.

CLAY GULLY STAGE 3 DESIGN SHOWN ON THESE PLANS, TIES INTO THE ALIGNMENT AND LEVELS FOR THE FUTURE ROAD EXTENSION AND ASSOCIATED WORKS (DESIGNED AND CONSTRUCTION BY OTHERS). THE WORKS ARE AGREED AS DETAILED IN THE "ROAD CONNECTION AND FAUNA CROSSING DEED", BETWEEN "THE SUTGOLD PARTIES" OF EDGARANGE AND SUTGOLD, AND "CLAY GULLY" (URBEX)

JOINS DWG. NO. B00297-CG302

NOTE:
SETOUT INFORMATION IS CONTAINED IN THE ELECTRONIC DESIGN MODELS, WHICH ARE TO BE PROVIDED TO THE CONTRACTOR AND CONSTRUCTION SURVEYOR PRIOR TO THE START OF CONSTRUCTION.

SCALE 1:500 (A1) 1:1000 (A3)
DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.

No.	Amendments	Drawn	Design	Design Chk	Appd	Date
0	ISSUED FOR CONSTRUCTION	ESS	PDW	PI	PI	03/06/22

Peter Ingerman
Registered Engineer
6/6/2022 — Date
9424 — Register
ENGINEERING CERTIFICATION

RECEIVED
robgos1 , 15/06/2022, 1:27:02 PM

Empower
ENGINEERS & PROJECT MANAGERS
ABN 23 010 743 692

Client: URBEX PTY LTD
Project: CLAY GULLY STAGE 3 - OPERATIONAL WORKS
Title: CONTROL LINE SETOUT PLAN SHEET 2 OF 2

Datum: AHD
PSM 186072
RL 11.794
(LOCAL)COORD

FOR CONSTRUCTION

Project No. B00297 — Drawing No. CG303 — Rev 0

BIO BASIN BACKFILL LOCATIONS

LEGEND

---57.50---	FINISHED SURFACE CONTOURS (0.25m INTERVALS)
	LOT BOUNDARY
	TOP OF BATTER
	TOE OF BATTER
	RETAINING WALL
	BARRIER TYPE 'B1' KERB AND CHANNEL
	MOUNTABLE TYPE 'M3' KERB AND CHANNEL
F.S.L.	F.S.L. = FINISHED SURFACE LEVEL + = DEPTH OF FILL - = DEPTH OF CUT

EARTHWORKS DEPTH RANGE

tin EXISTING TO tin DESIGN

FILL	CUT
FILL 1.75m +	CUT 0m - 0.25m
FILL 1.5m - 1.75m	CUT 0.25m - 0.5m
FILL 1.25m - 1.5m	CUT 0.5m - 0.75m
FILL 1m - 1.25m	CUT 0.75m - 1m
FILL 0.75m - 1m	CUT 1m - 1.25m
FILL 0.5m - 0.75m	CUT 1.25m - 1.5m
FILL 0.25m - 0.5m	CUT 1.5m - 1.75m
FILL 0m - 0.25m	CUT 1.75m +

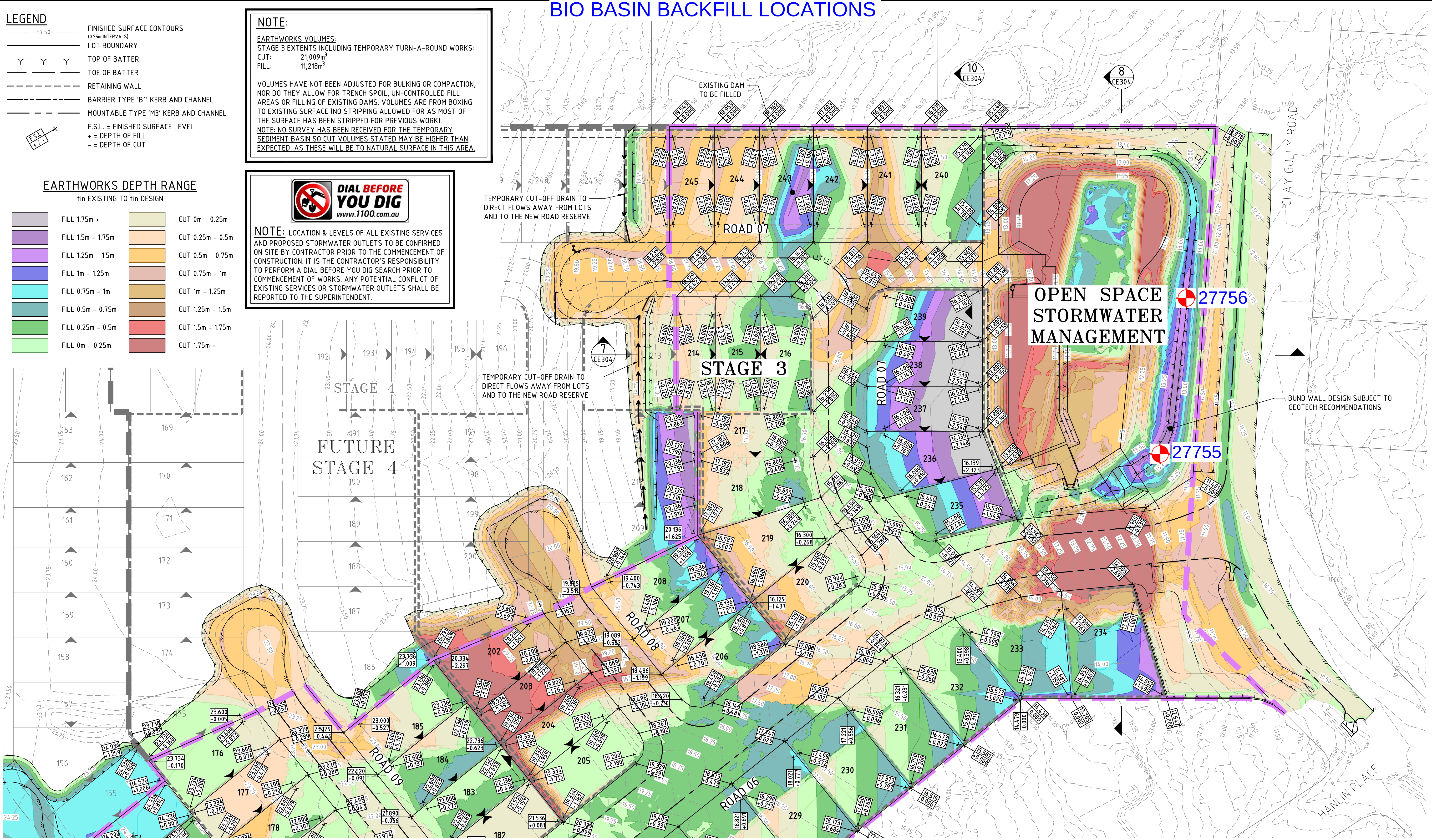
NOTE:

EARTHWORKS VOLUMES:
STAGE 3 EXTENTS INCLUDING TEMPORARY TURN-A-ROUND WORKS:
CUT: 21,009m^3
FILL: 11,218m^3

VOLUMES HAVE NOT BEEN ADJUSTED FOR BULKING OR COMPACTION, NOR DO THEY ALLOW FOR TRENCH SPOIL, UN-CONTROLLED FILL AREAS OR FILLING OF EXISTING DAMS. VOLUMES ARE FROM BOXING TO EXISTING SURFACE (NO STRIPPING ALLOWED FOR AS MOST OF THE SURFACE HAS BEEN STRIPPED FOR PREVIOUS WORK).
NOTE: NO SURVEY HAS BEEN RECEIVED FOR THE TEMPORARY SEDIMENT BASIN SO CUT VOLUMES STATED MAY BE HIGHER THAN EXPECTED, AS THESE WILL BE TO NATURAL SURFACE IN THIS AREA.

DIAL BEFORE YOU DIG
www.1100.com.au

NOTE: LOCATION & LEVELS OF ALL EXISTING SERVICES AND PROPOSED STORMWATER OUTLETS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM A DIAL BEFORE YOU DIG SEARCH PRIOR TO COMMENCEMENT OF WORKS. ANY POTENTIAL CONFLICT OF EXISTING SERVICES OR STORMWATER OUTLETS SHALL BE REPORTED TO THE SUPERINTENDENT.



JOINS DWG. NO. B00297-CE303

SCALE 1:500 (A1) 1:1000 (A3)
DO NOT SCALE USE ONLY THE DIMENSIONS PROVIDED.

No.	Amendments	Drawn	Design	Design Chk	Appd	Date
0	ISSUED FOR CONSTRUCTION	ESS	PDW	PI	PI	03/06/22

Registered Engineer: Peter Ingerman — 6/6/2022 — Register 9424
ENGINEERING CERTIFICATION

RECEIVED
robgos1 , 15/06/2022, 1:27:02 PM

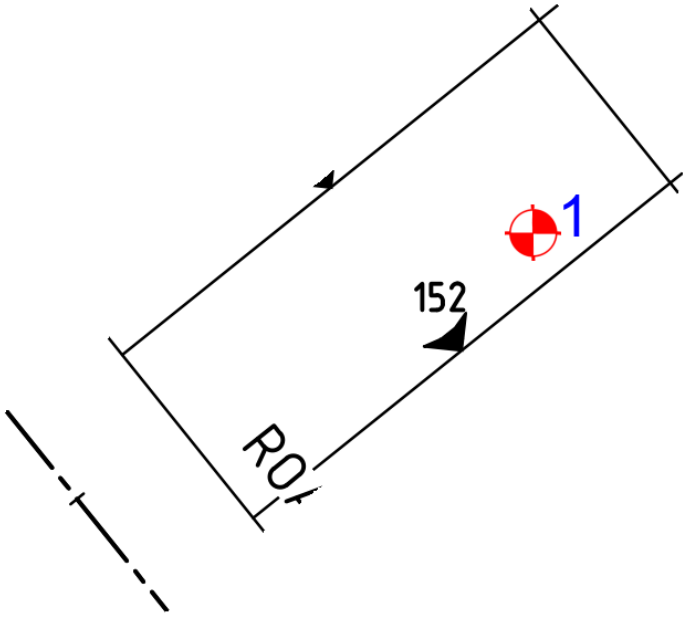
Empower ENGINEERS & PROJECT MANAGERS — ABN 23 010 743 692

Client: URBEX PTY LTD
Project: CLAY GULLY STAGE 3 - OPERATIONAL WORKS
Title: EARTHWORKS LEVELS PLAN SHEET 1 OF 2

Datum: AHD, PSM 186072, RL 11.794 (LOCAL)COORD

FOR CONSTRUCTION
Project No. / Drawing No.: B00297-CE302 — Rev 0

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 152



Field Density Results **Page 1of 1**

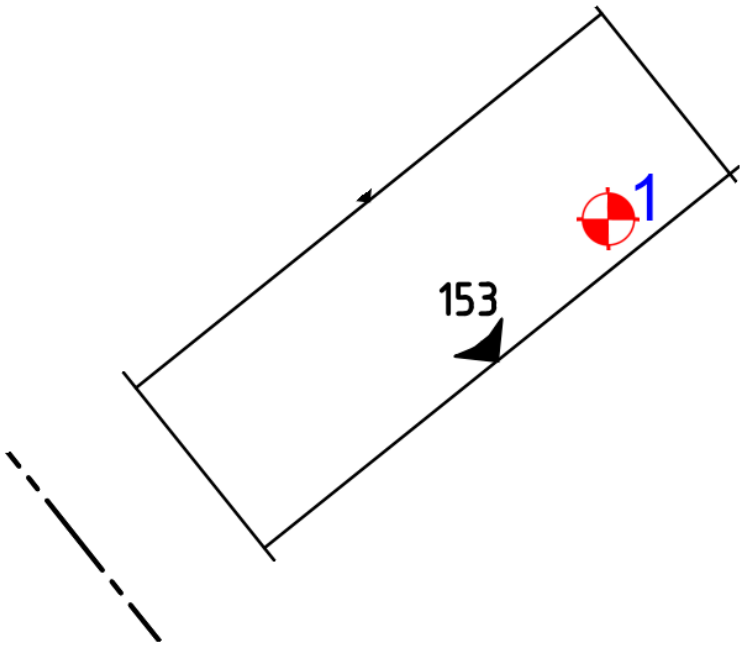
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26133)	22/06/2022	o/s 10m Rear bdy, o/s 2m Right bdy R.L. 23.38	97.5

In our opinion all fill on Lot 152 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 153



Field Density Results **Page 1of 1**

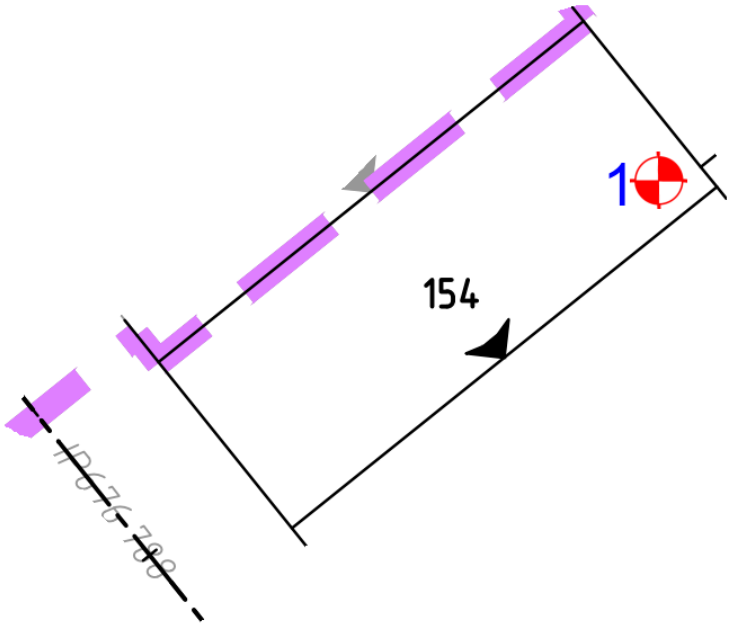
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26132)	22/06/2022	o/s 8m Rear bdy, o/s 3m Right bdy R.L. 23.79	98.5

In our opinion all fill on Lot 153 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 154



Field Density Results **Page 1of 1**

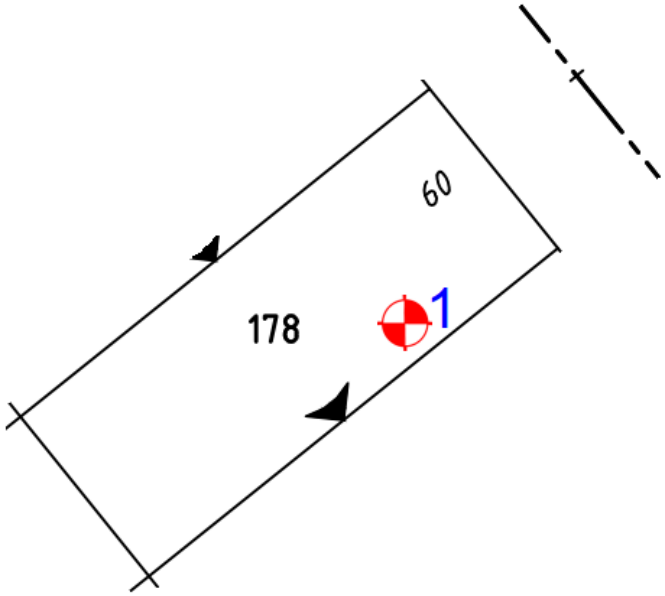
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26131)	22/06/2022	o/s 3m Rear bdy, o/s 3m Right bdy R.L. 24.20	95.5

In our opinion all fill on Lot 154 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 178



Field Density Results **Page 1of 1**

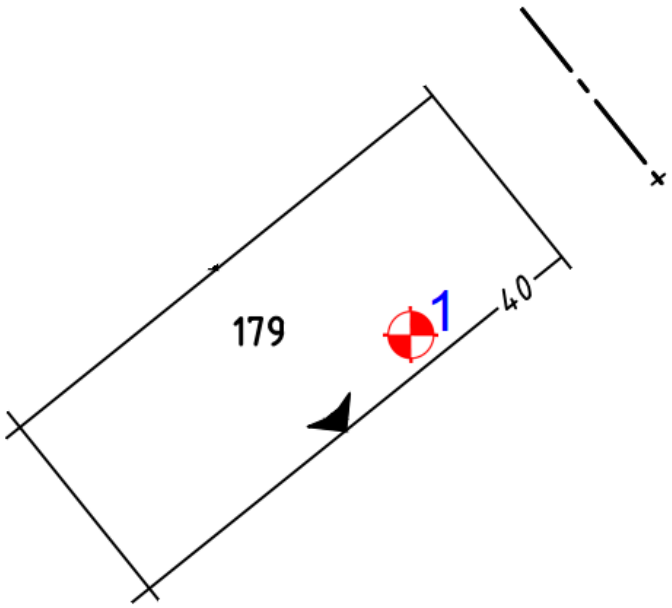
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26414)	29/07/2022	o/s 11m Front bdy, o/s 2m Left bdy R.L. 22.69	97.5

In our opinion all fill on Lot 178 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 179



Field Density Results **Page 1of 1**

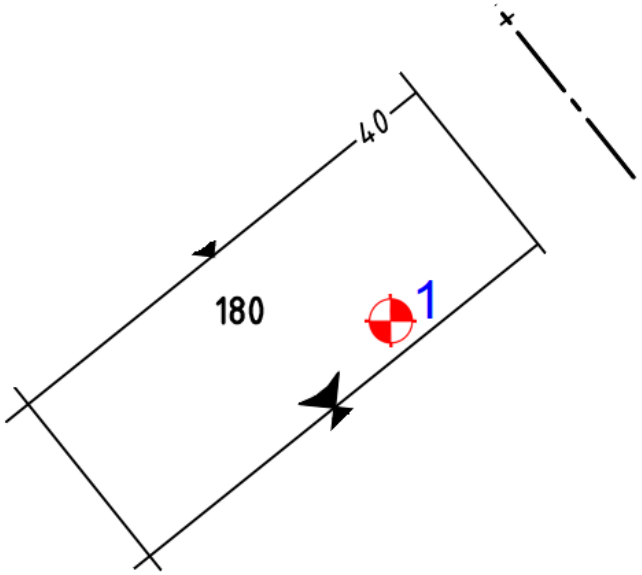
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26413)	29/07/2022	o/s 11m Front bdy, o/s 2m Left bdy R.L. 22.28	98.0

In our opinion all fill on Lot 179 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 180



Field Density Results **Page 1of 1**

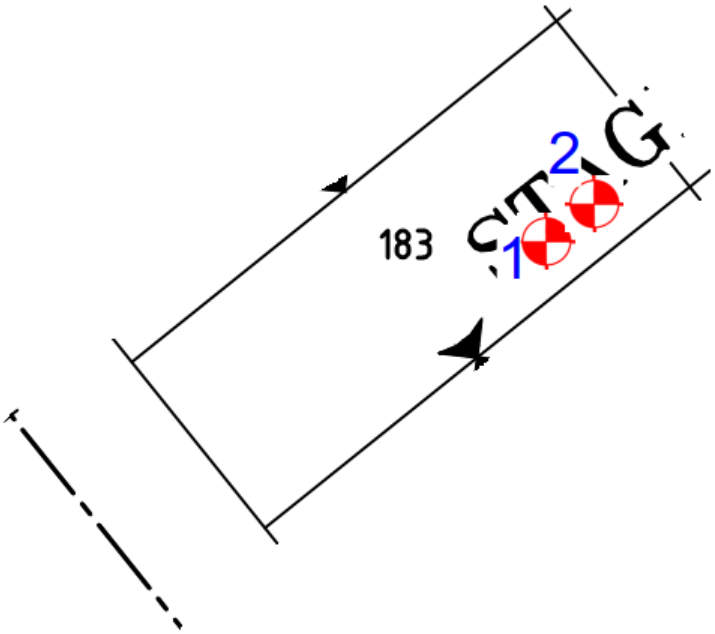
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26412)	29/07/2022	o/s 12m Front bdy, o/s 2m Left bdy R.L. 21.91	96.0

In our opinion all fill on Lot 180 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 183



Field Density Results **Page 1of 1**

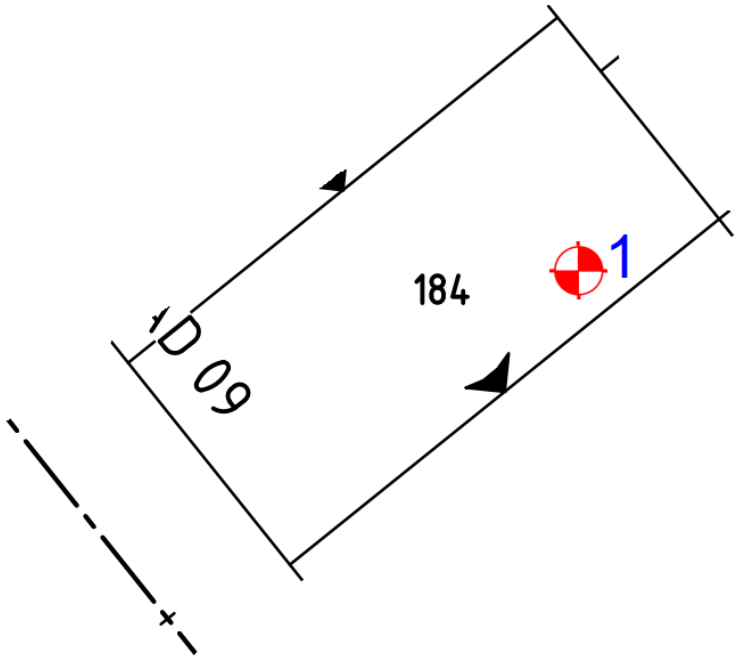
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26135)	22/06/2022	o/s 8m Rear bdy, o/s 3m Right bdy	R.L. 22.00	93.0
2 (26226)	29/06/2022	o/s 6m Rear bdy, o/s 3m Right bdy	R.L. 22.02 **RETEST**	98.5

In our opinion all fill on Lot 183 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 184



Field Density Results **Page 1of 1**

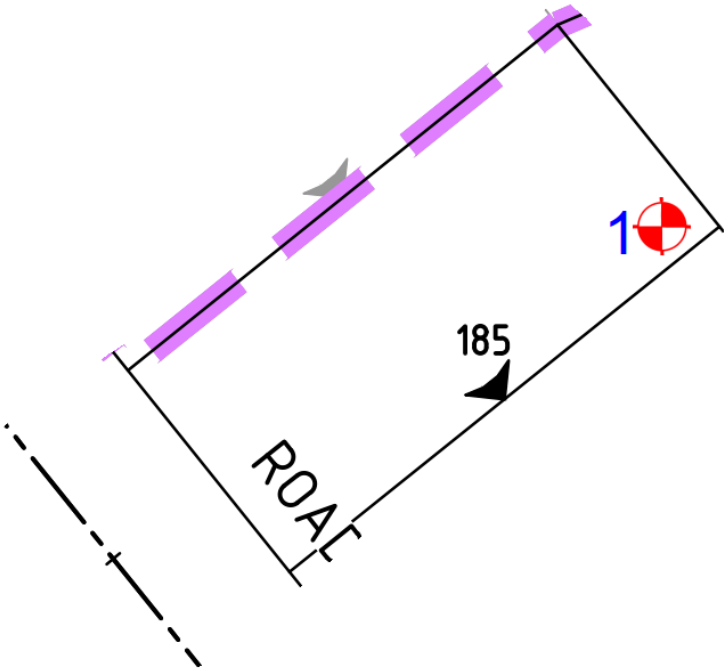
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26161)	23/06/2022	o/s 11m Rear bdy, o/s 2m Right bdy R.L. 22.59	100.5

In our opinion all fill on Lot 184 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 185



Field Density Results **Page 1of 1**

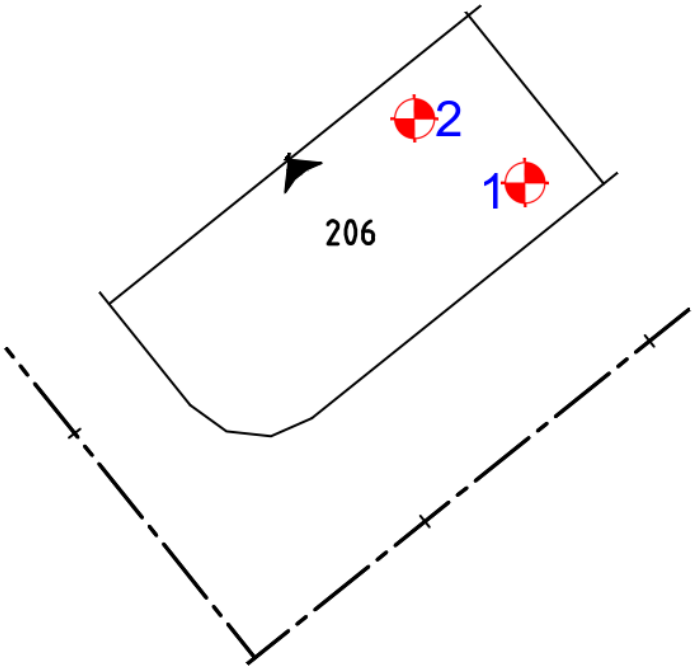
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26134)	22/06/2022	o/s 3m Rear bdy, o/s 3m Right bdy R.L. 23.11	96.0

In our opinion all fill on Lot 185 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 206



Field Density Results **Page 1of 1**

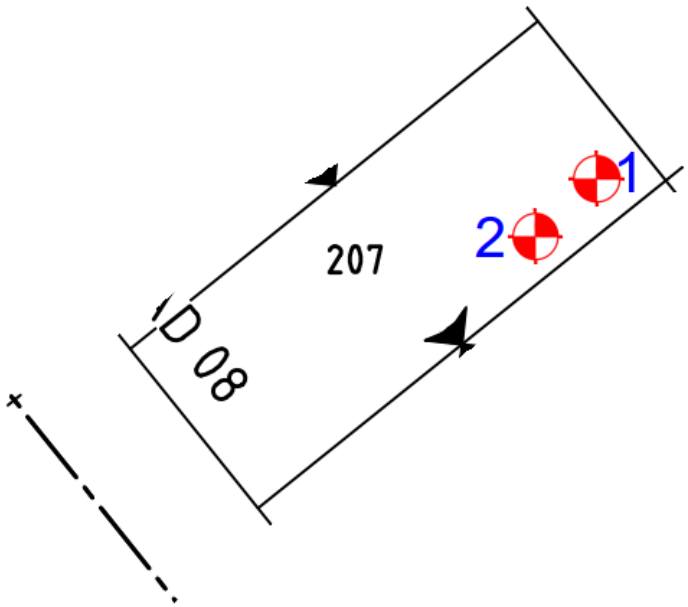
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26208)	28/06/2022	o/s 6m Rear bdy, o/s 4m Right bdy R.L. 17.92	98.0
2 (26222)	29/06/2022	o/s 8m Rear bdy, o/s 3m Left bdy R.L. 18.48	99.0

In our opinion all fill on Lot 206 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 207



Field Density Results **Page 1of 1**

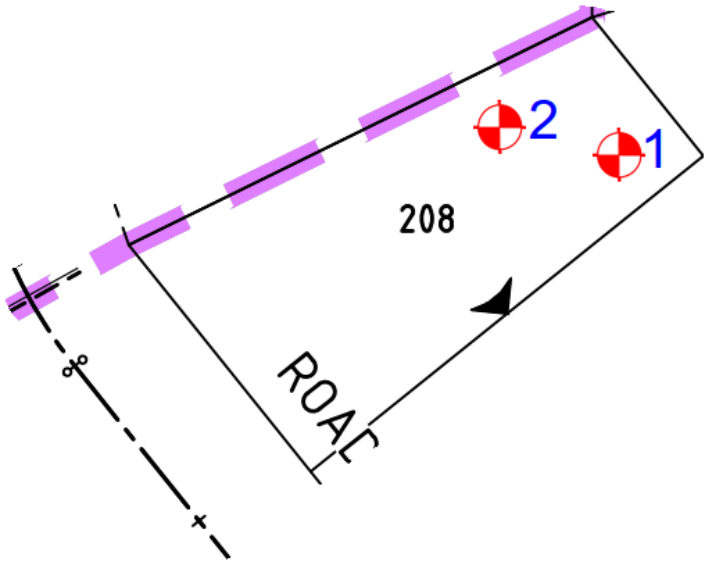
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26207)	28/06/2022	o/s 4m Rear bdy, o/s 2m Right bdy	R.L. 18.45	99.5
2 (26223)	29/06/2022	o/s 11m Rear bdy, o/s 2m Right bdy	R.L. 19.00	97.0

In our opinion all fill on Lot 207 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 208



Field Density Results **Page 1of 1**

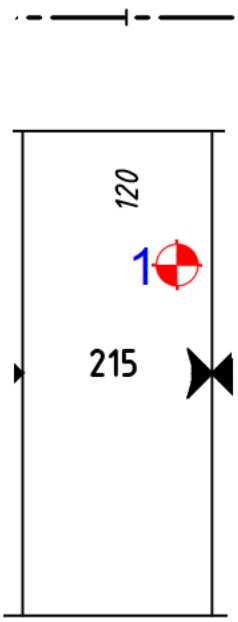
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26206)	28/06/2022	o/s 5m Rear bdy, o/s 4m Right bdy R.L. 18.78	100.0
2 (26224)	29/06/2022	o/s 9m Rear bdy, o/s 3m Left bdy R.L. 19.40	97.5

In our opinion all fill on Lot 208 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 215



Field Density Results **Page 1of 1**

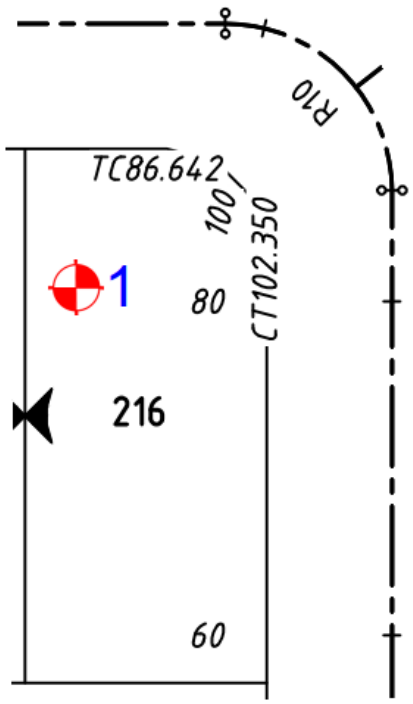
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26483)	05/08/2022	o/s 11m Front bdy, o/s 3m Left bdy R.L. 17.25	99.0

In our opinion all fill on Lot 215 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 216



Field Density Results **Page 1of 1**

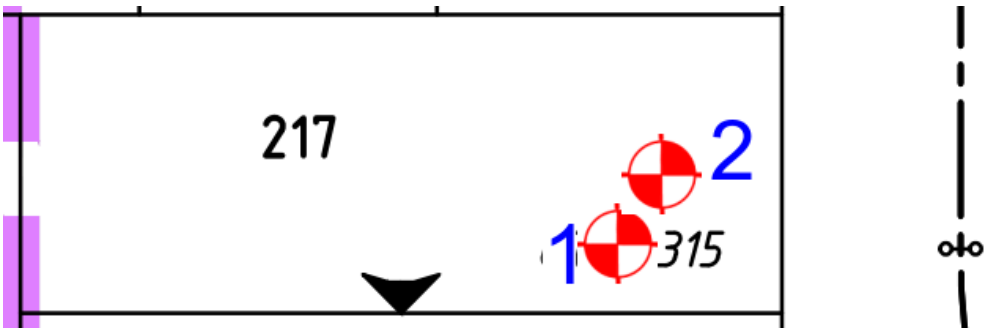
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26382)	27/07/2022	o/s 10m Front bdy, o/s 4m Right bdy R.L. 16.70	95.0

In our opinion all fill on Lot 216 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 217



Field Density Results **Page 1of 1**

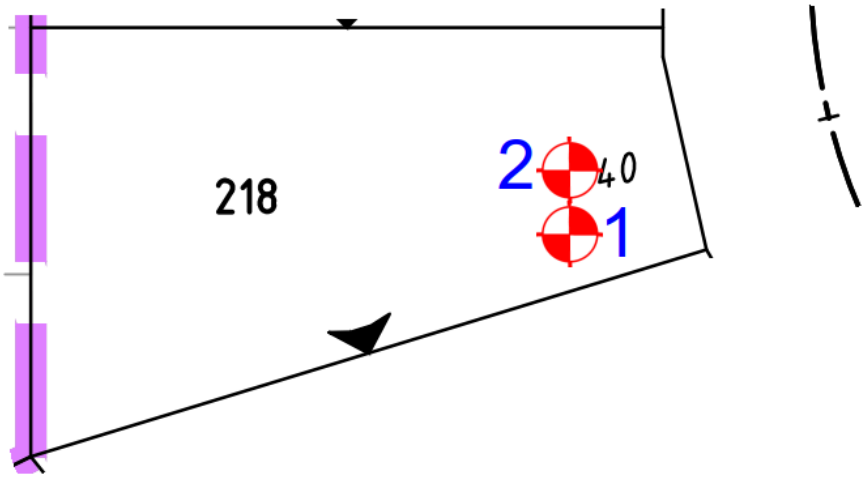
Test No.	Date Tested	Test Location			Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26355)	19/07/2022	o/s 7m Front bdy, o/s 2m Left bdy	R.L. 16.68		90.5
2 (27734)	09/01/2023	o/s 6m Front bdy, o/s 3m Left bdy	R.L. 16.66	**RETEST**	97.0

In our opinion all fill on Lot 217 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 218



Field Density Results **Page 1of 1**

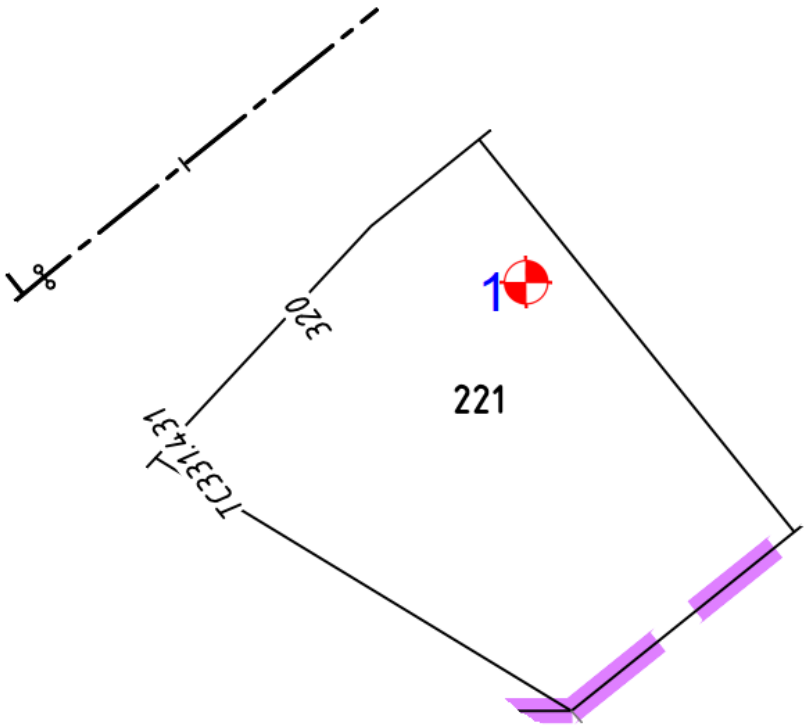
Test No.	Date Tested	Test Location			Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26354)	19/07/2022	o/s 6m Front bdy, o/s 3m Left bdy	R.L. 16.66		91.5
2 (27735)	09/01/2023	o/s 6m Front bdy, o/s 4m Left bdy	R.L. 16.64	**RETEST**	98.0

In our opinion all fill on Lot 218 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 221



Field Density Results **Page 1of 1**

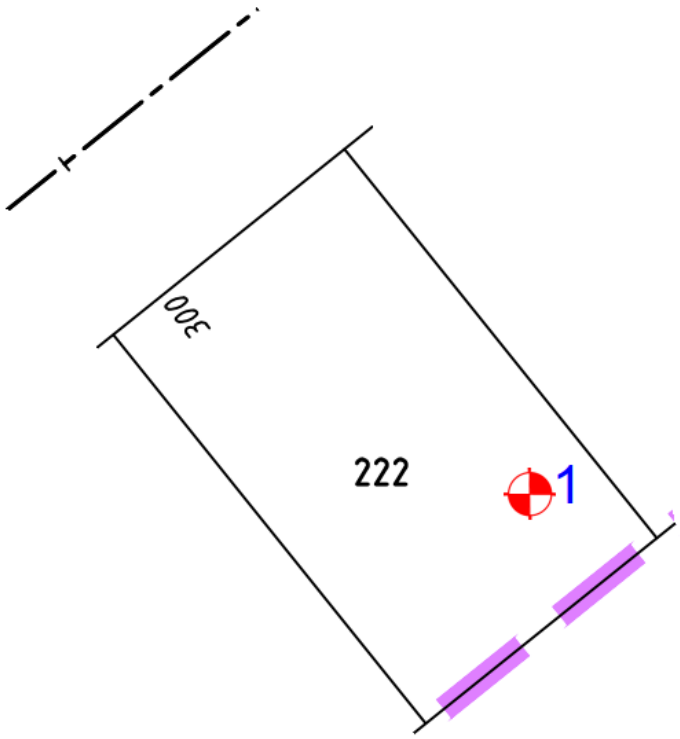
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26329)	16/07/2022	o/s 11m Front bdy, o/s 4m Left bdy R.L. 21.70	96.0

In our opinion all fill on Lot 221 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 222



Field Density Results **Page 1of 1**

Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26330)	16/07/2022	o/s 9m Rear bdy, o/s 6m Left bdy R.L. 21.72	96.0

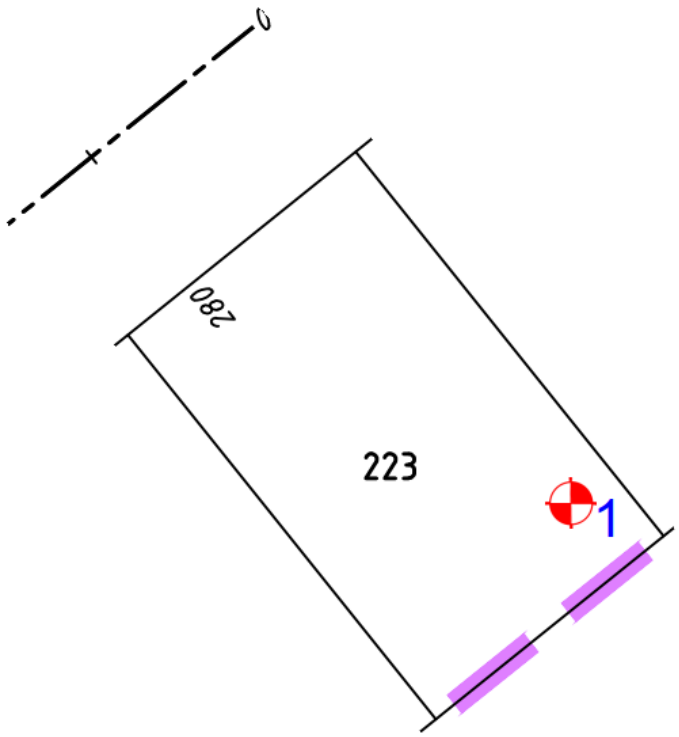
In our opinion all fill on Lot 222 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....

GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 223



Field Density Results **Page 1of 1**

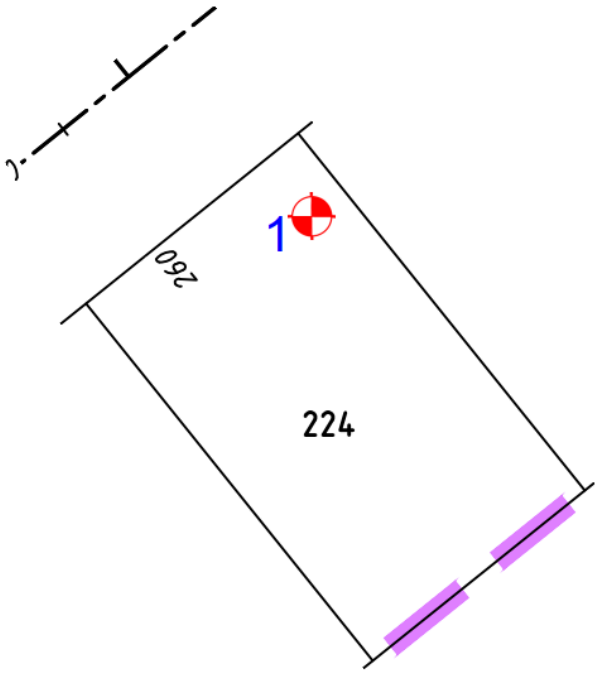
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26343)	18/07/2022	o/s 6m Rear bdy, o/s 5m Left bdy R.L. 21.62	96.5

In our opinion all fill on Lot 223 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 224



Field Density Results **Page 1of 1**

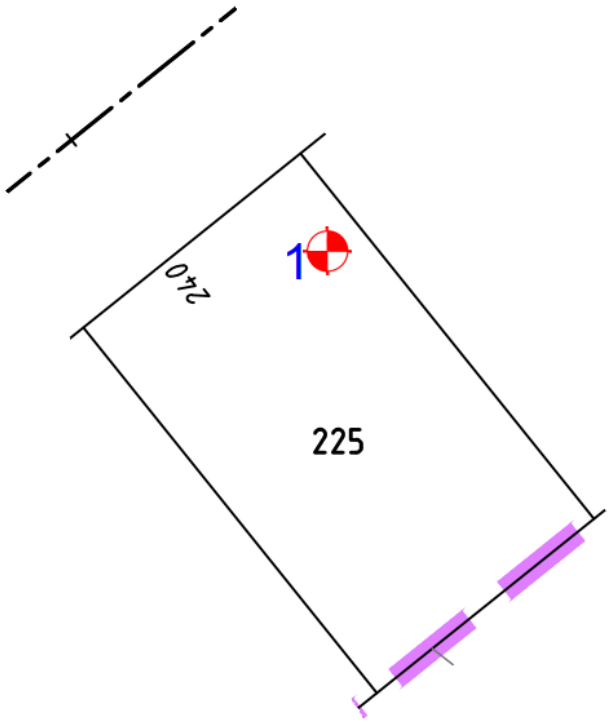
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26300)	12/07/2022	o/s 6m Front bdy, o/s 3m Left bdy R.L. 21.19	97.5

In our opinion all fill on Lot 224 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 225



Field Density Results **Page 1of 1**

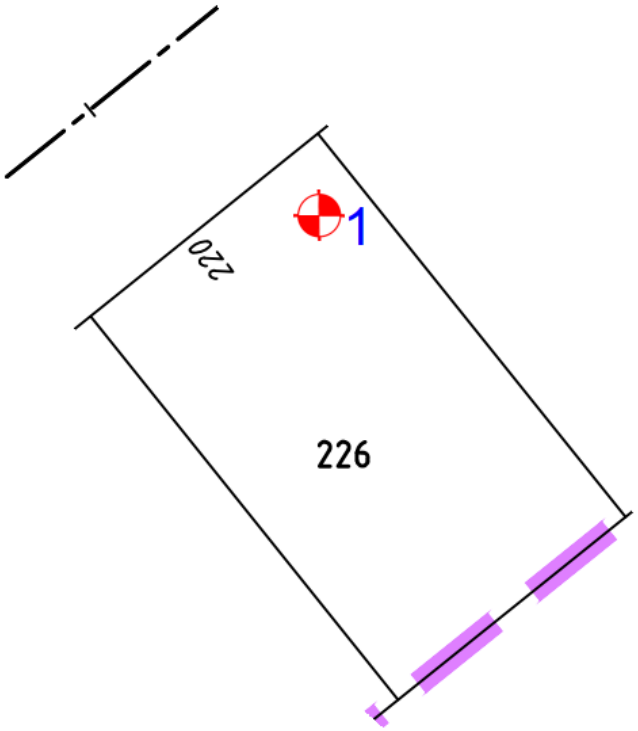
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26299)	12/07/2022	o/s 7m Front bdy, o/s 2m Left bdy R.L. 20.80	97.5

In our opinion all fill on Lot 225 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 226



Field Density Results **Page 1of 1**

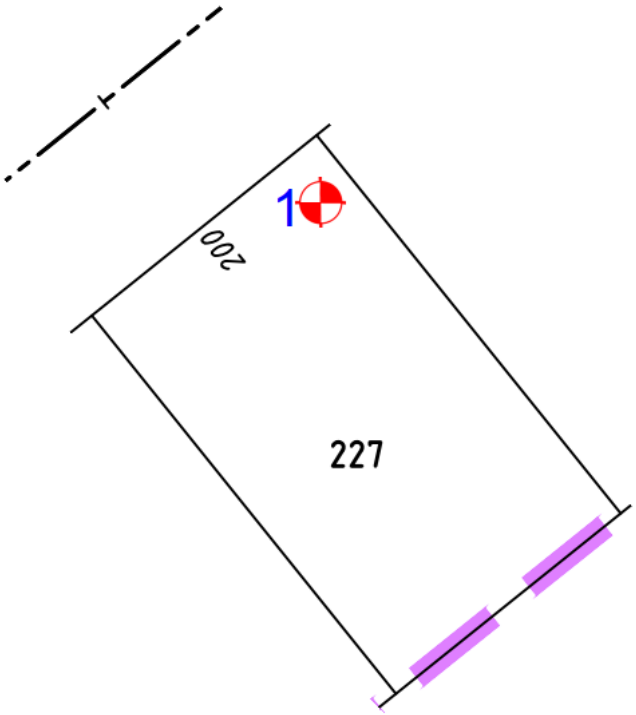
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26298)	12/07/2022	o/s 5m Front bdy, o/s 4m Left bdy R.L. 20.28	97.0

In our opinion all fill on Lot 226 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 227



Field Density Results **Page 1of 1**

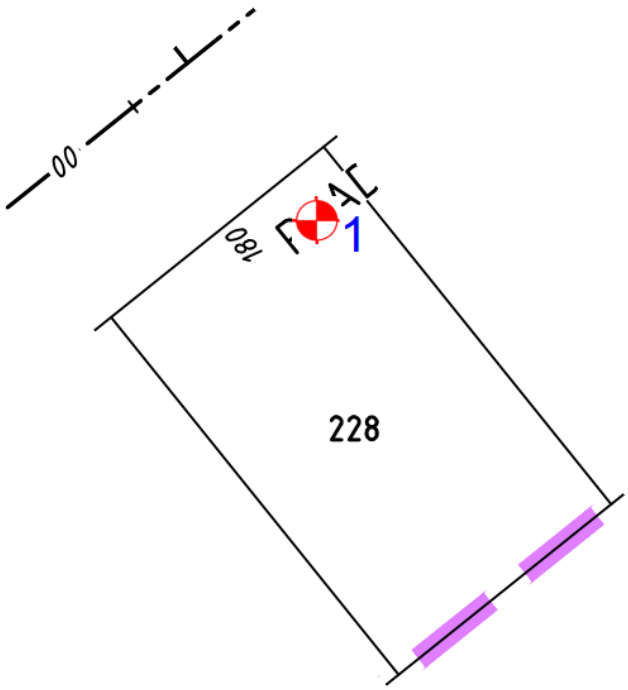
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26297)	12/07/2022	o/s 4m Front bdy, o/s 3m Left bdy R.L. 19.49	96.5

In our opinion all fill on Lot 227 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 228



Field Density Results **Page 1of 1**

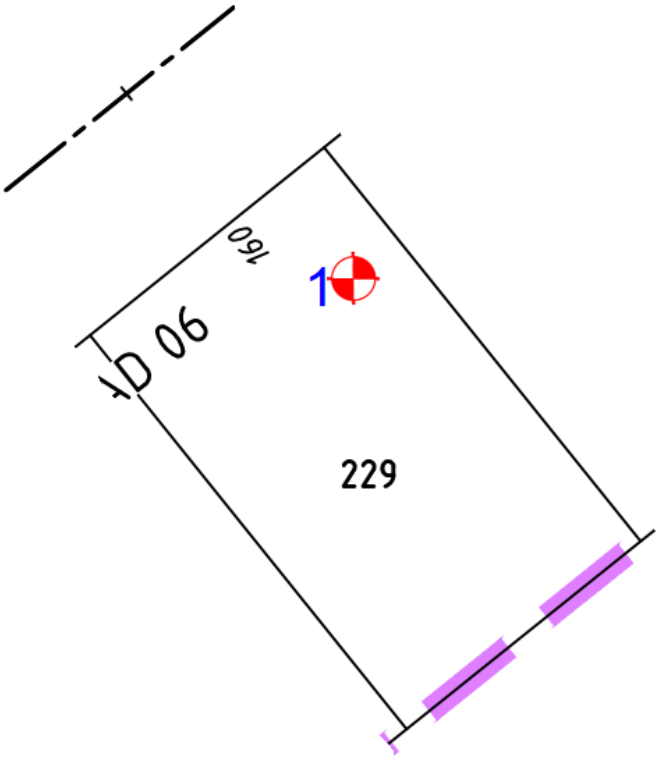
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26296)	11/07/2022	o/s 5m Front bdy, o/s 5m Left bdy R.L. 18.72	96.5

In our opinion all fill on Lot 228 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 229



Field Density Results **Page 1of 1**

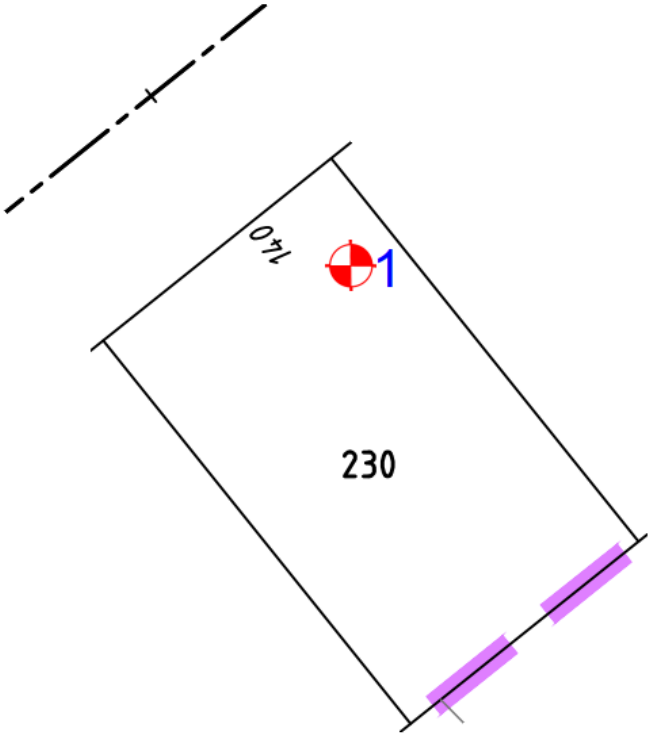
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26295)	11/07/2022	o/s 8m Front bdy, o/s 4m Left bdy R.L. 17.89	98.5

In our opinion all fill on Lot 229 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 230



Field Density Results **Page 1of 1**

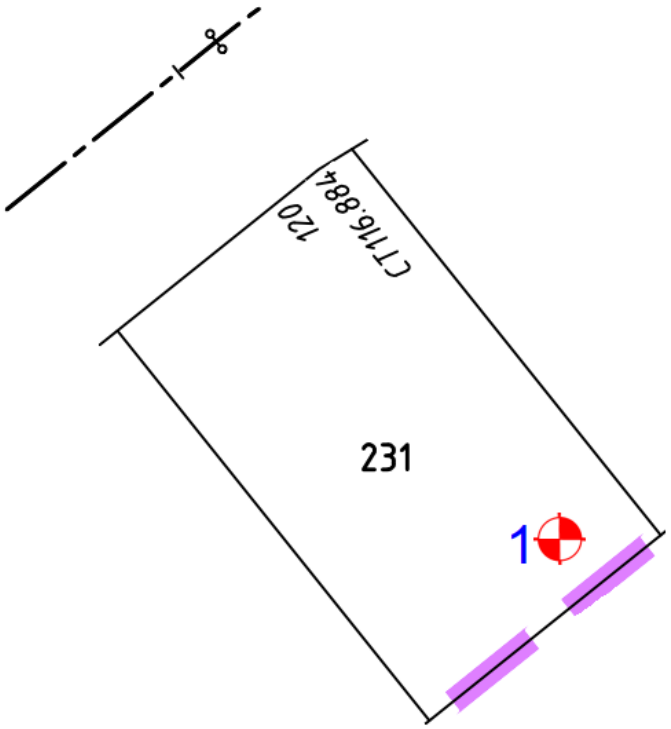
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26294)	11/07/2022	o/s 6m Front bdy, o/s 3m Left bdy R.L. 17.10	96.0

In our opinion all fill on Lot 230 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 231



Field Density Results **Page 1of 1**

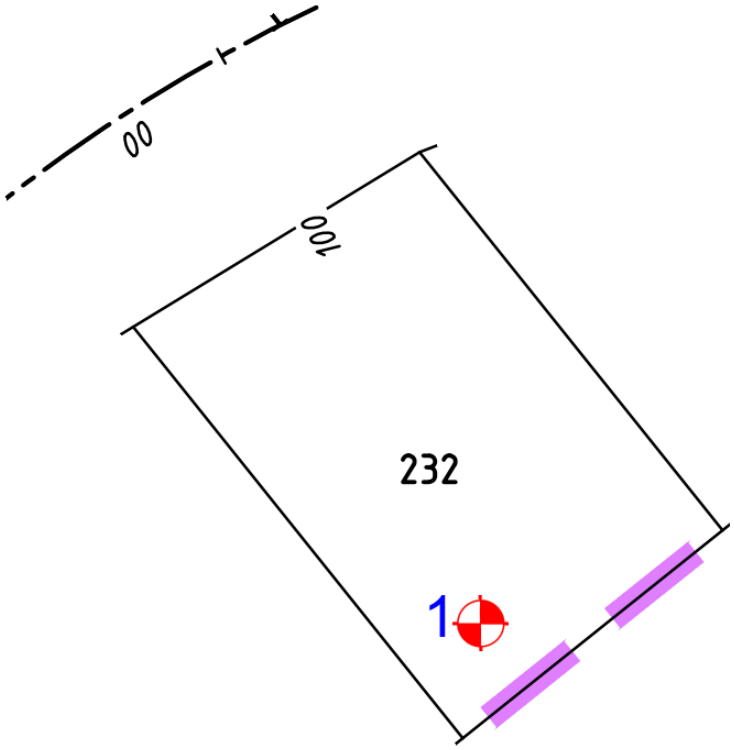
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (27745)	10/01/2023	o/s 2m Rear bdy, o/s 4m Left bdy R.L. 16.64	99.5

In our opinion all fill on Lot 231 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 232



Field Density Results **Page 1of 1**

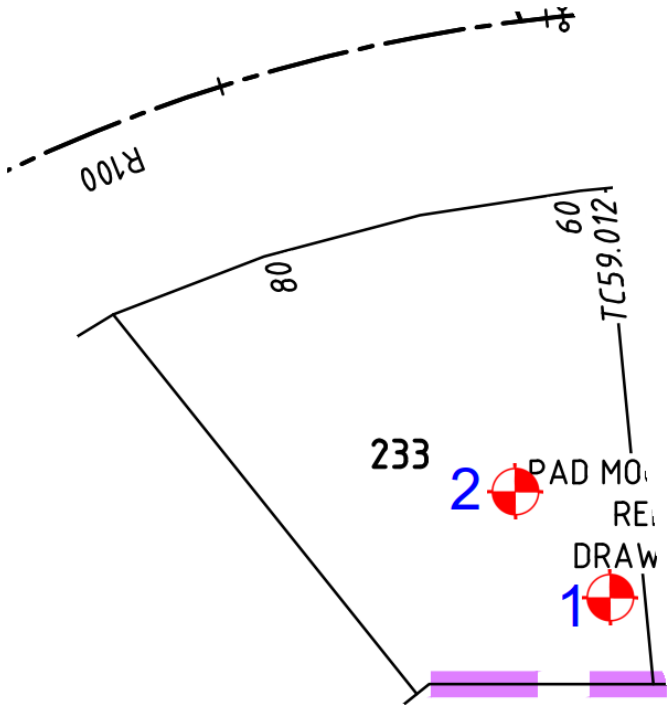
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (27746)	10/01/2023	o/s 3m Rear bdy, o/s 4m Right bdy R.L. 15.73	99.5

In our opinion all fill on Lot 232 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 233



Field Density Results **Page 1of 1**

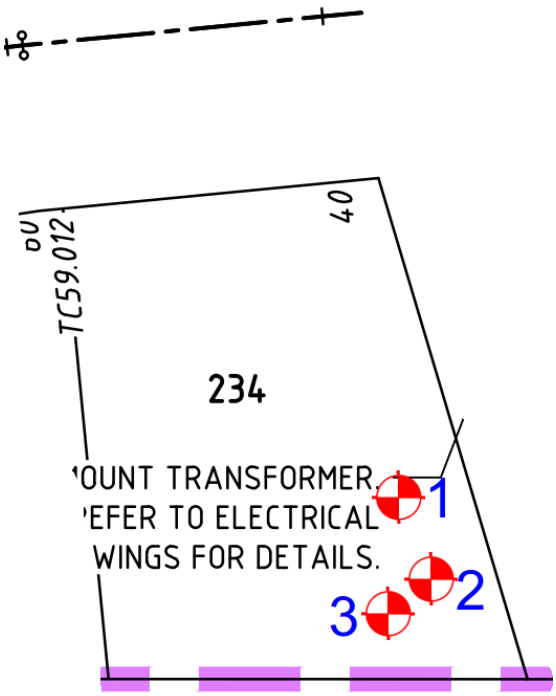
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26992)	05/10/2022	o/s 4m Rear bdy, o/s 1m Left bdy R.L. 14.00	98.0
2 (27747)	10/01/2023	o/s 8m Rear bdy, o/s 6m Left bdy R.L. 14.55	98.0

In our opinion all fill on Lot 233 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 234



Field Density Results **Page 1of 1**

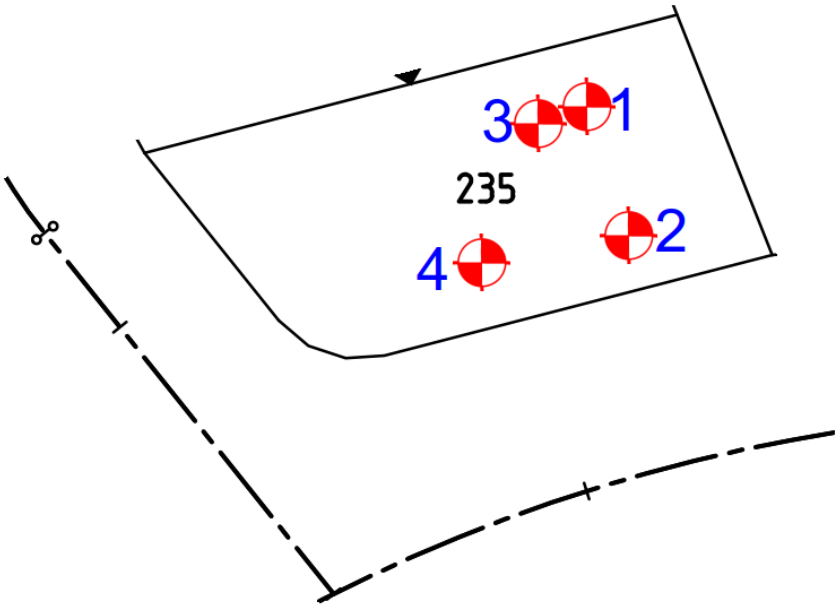
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26436)	02/08/2022	o/s 12m Rear bdy, o/s 4m Left bdy	R.L. 13.40	103.0
2 (26993)	05/10/2022	o/s 5m Rear bdy, o/s 3m Left bdy	R.L. 13.05	97.0
3 (27748)	10/01/2023	o/s 4m Rear bdy, o/s 5m Left bdy	R.L. 13.93	99.5

In our opinion all fill on Lot 234 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a “Level 1” inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 235



Field Density Results **Page 1of 1**

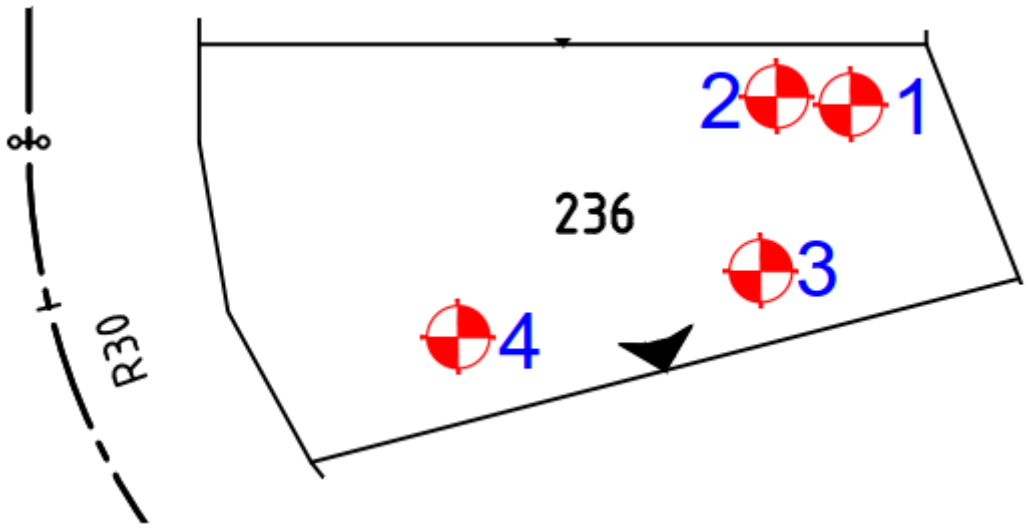
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26225)	29/06/2022	o/s 8m Rear bdy, o/s 4m Left bdy R.L. 13.91	97.0
2 (26303)	12/07/2022	o/s 6m Rear bdy, o/s 3m Right bdy R.L. 14.42	96.5
3 (26481)	05/08/2022	o/s 10m Rear bdy, o/s 4m Left bdy R.L. 14.91	96.5
4 (27739)	09/01/2023	o/s 9m Front bdy, o/s 4m Right bdy R.L. 15.43	99.5

In our opinion all fill on Lot 235 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 236



Field Density Results **Page 1of 1**

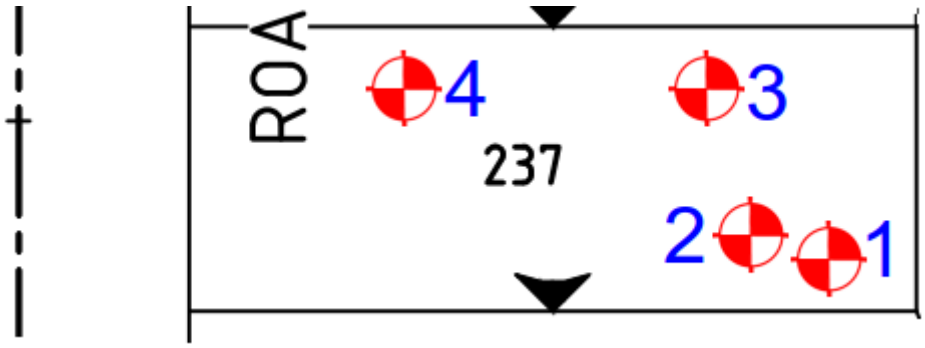
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26240)	30/06/2022	o/s 5m Rear bdy, o/s 3m Left bdy	R.L. 14.40	96.0
2 (26242)	30/06/2022	o/s 8m Rear bdy, o/s 2m Left bdy	R.L. 15.00	98.0
3 (26302)	12/07/2022	o/s 11m Rear bdy, o/s 4m Right bdy	R.L. 15.51	97.0
4 (26344)	18/07/2022	o/s 12m Front bdy, o/s 6m Right bdy	R.L. 15.90	97.5

In our opinion all fill on Lot 236 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 237



Field Density Results **Page 1of 1**

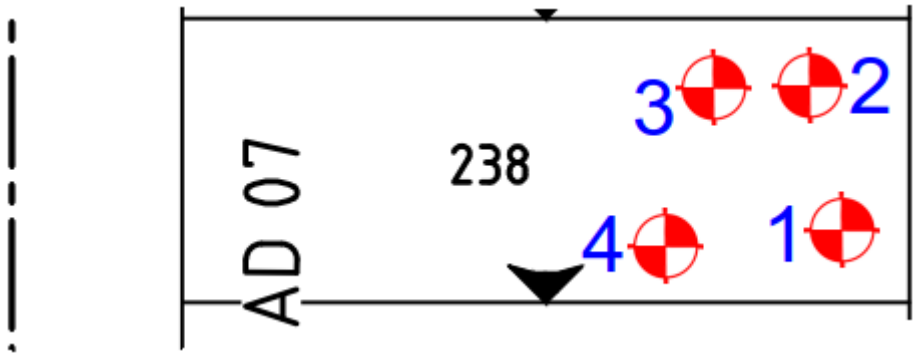
Test No.	Date Tested	Test Location	Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26239)	30/06/2022	o/s 4m Rear bdy, o/s 2m Right bdy R.L. 14.85	96.0
2 (26241)	30/06/2022	o/s 7m Rear bdy, o/s 4m Right bdy R.L. 15.40	98.0
3 (26301)	12/07/2022	o/s 10m Rear bdy, o/s 3m Left bdy R.L. 15.90	97.5
4 (26345)	18/07/2022	o/s 14m Front bdy, o/s 3m Left bdy R.L. 16.40	96.5

In our opinion all fill on Lot 237 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a “Level 1” inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 238



Field Density Results **Page 1of 1**

Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26426)	01/08/2022	o/s 3m Rear bdy, o/s 5m Right bdy	R.L. 14.80	96.5
2 (26430)	01/08/2022	o/s 5m Rear bdy, o/s 3m Left bdy	R.L. 15.41	104.0
3 (26457)	03/08/2022	o/s 10m Rear bdy, o/s 4m Left bdy	R.L. 15.93	100.5
4 (26473)	04/08/2022	o/s 15m Rear bdy, o/s 2m Right bdy	R.L. 16.40	96.5

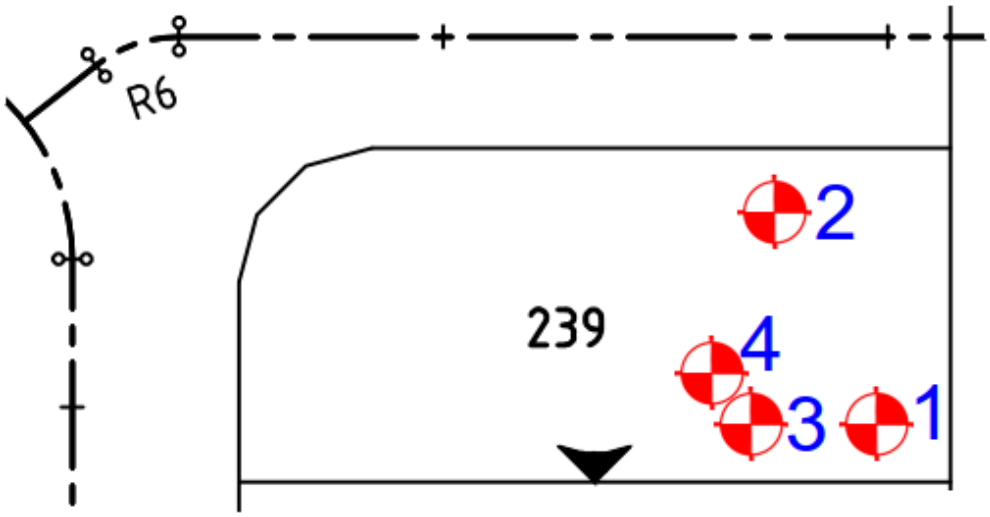
In our opinion all fill on Lot 238 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a “Level 1” inspection and testing commission.

.....

GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 239



Field Density Results **Page 1of 1**

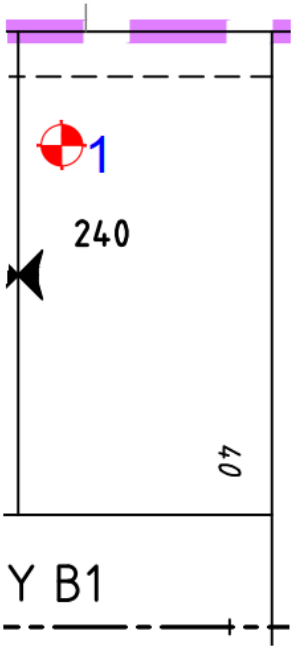
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26427)	01/08/2022	o/s 4m Rear bdy, o/s 3m Right bdy	R.L. 14.54	97.0
2 (26431)	01/08/2022	o/s 8m Rear bdy, o/s 4m Left bdy	R.L. 15.10	98.0
3 (26458)	03/08/2022	o/s 11m Rear bdy, o/s 3m Right bdy	R.L. 15.61	97.0
4 (26474)	04/08/2022	o/s 14m Rear bdy, o/s 5m Right bdy	R.L. 16.15	95.0

In our opinion all fill on Lot 239 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 240



Field Density Results **Page 1of 1**

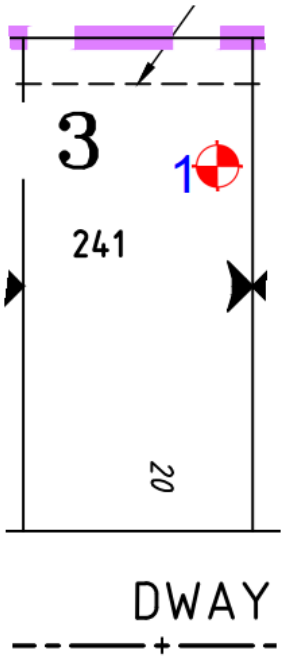
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26439)	02/08/2022	o/s 9m Rear bdy, o/s 4m Left bdy	R.L. 15.38	98.5

In our opinion all fill on Lot 240 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 241



Field Density Results **Page 1of 1**

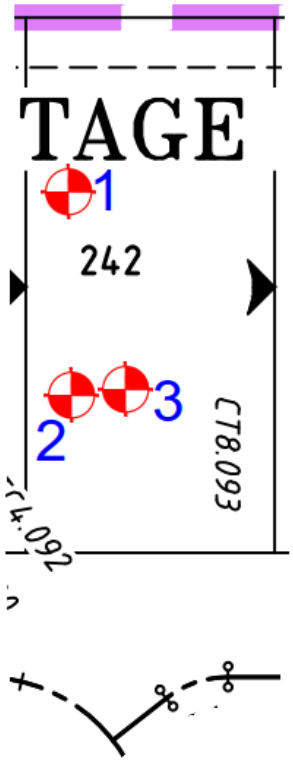
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26438)	02/08/2022	o/s 10m Rear bdy, o/s 3m Right bdy	R.L. 15.97	96.5

In our opinion all fill on Lot 241 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 242



Field Density Results **Page 1of 1**

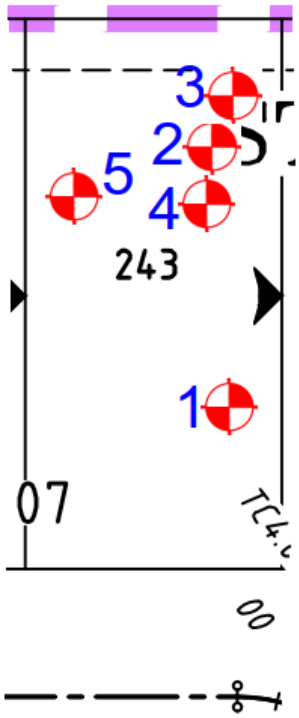
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26380)	27/07/2022	o/s 11m Rear bdy, o/s 2m Left bdy	R.L. 16.03	96.5
2 (26390)	28/07/2022	o/s 10m Front bdy, o/s 3m Left bdy	R.L. 16.50	92.0
3 (26437)	02/08/2022	o/s 11m Front bdy, o/s 5m Left bdy	R.L. 16.48 **RETEST**	95.5

In our opinion all fill on Lot 242 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a “Level 1” inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 243



Field Density Results **Page 1of 1**

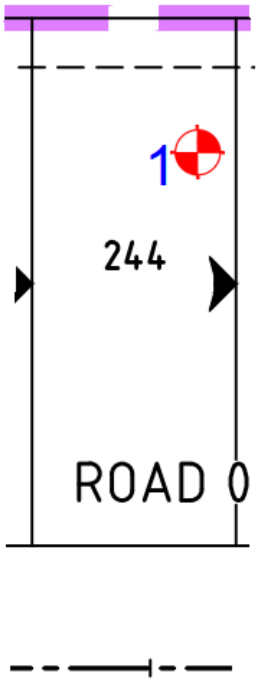
Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26381)	27/07/2022	o/s 12m Front bdy, o/s 3m Right bdy	R.L. 15.81	92.0
2 (26389)	28/07/2022	o/s 9m Rear bdy, o/s 5m Right bdy	R.L. 16.40	93.0
3 (26428)	01/08/2022	o/s 7m Rear bdy, o/s 3m Right bdy	R.L. 15.80 **RETEST**	100.0
4 (26429)	01/08/2022	o/s 10m Rear bdy, o/s 4m Right bdy	R.L. 16.39 **RETEST**	99.5
5 (26475)	04/08/2022	o/s 10m Front bdy, o/s 4m Left bdy	R.L. 16.90	96.5

In our opinion all fill on Lot 243 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a “Level 1” inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

EARTHWORKS SUMMARY REPORT
CLAY GULLY – STAGE 3
LOT 244



Field Density Results **Page 1of 1**

Test No.	Date Tested	Test Location		Dry Density Ratio % AS1289 5.4.1 (Standard)
1 (26472)	04/08/2022	o/s 12m Front bdy, o/s 3m Right bdy	R.L. 17.55	95.5

In our opinion all fill on Lot 244 has been placed in a controlled manner to achieve a minimum dry density ratio of 95% (AS1289.5.1.1/5.7.1 Standard Compaction) and is considered to comply with the requirements of Table 5.1 of AS3798-2007 and the project specifications. We confirm that filling to design final level can be termed controlled filling in accordance with Section 6.4.2. of AS2870-2011, via a "Level 1" inspection and testing commission.

.....
GREG McGRANN

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur, Q. 4503
Ph. (07) 3285 6536

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47690
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	22/06/2022	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26131	7:30	150	LOT 154 3m Rear bdy, 3m Right bdy R.L. 24.20	26131	-	16.5	16.5	~~Adj.~~ -	2.01	~~Adj.~~ 2.10	**95.5**
				Material Description: REDDISH BROWN SILTY CLAY							
26132	8:00	150	LOT 153 8m Rear bdy, 3m Right bdy R.L. 23.79	26132	-	21.5	20.0	~~Adj.~~ 1.5 WET	2.08	~~Adj.~~ 2.11	**98.5**
				Material Description: REDDISH GREY SILTY CLAY & ROCK FRAGMENTS							
26133	8:30	150	LOT 152 10m Rear bdy, 2m Right bdy R.L. 23.38	26133	-	18.0	17.0	~~Adj.~~ 1.0 WET	2.09	~~Adj.~~ 2.14	**97.5**
				Material Description: GREY BROWN SILTY CLAY							
26134	9:00	150	LOT 185 3m Rear bdy, 3m Right bdy R.L. 23.11	26134	-	17.5	18.5	~~Adj.~~ 1.0 DRY	1.99	~~Adj.~~ 2.07	**96.0**
				Material Description: REDDISH GREY SILTY CLAY							
26135	9:30	150	LOT 183 8m Rear bdy, 3m Right bdy R.L. 22.00	26135	-	16.5	19.0	~~Adj.~~ 2.5 DRY	1.91	~~Adj.~~ 2.05	**93.0**
				Material Description: LIGHT BROWN SOME GREY SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 29/06/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 29/06/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47692
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	23/06/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26161	8:10	150	LOT 184 11m Rear bdy, 2m Right bdy R.L. 22.59	26161	-	15.0	17.0	~~Adj.~~ 2.0 DRY	2.00	~~Adj.~~ 1.99	**100.5**
				Material Description: BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 27/06/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 27/06/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47711
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	28/06/2022	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26206	11:30	150	LOT 208 5m Rear bdy, 4m Right bdy R.L. 18.78	26206	-	15.0	15.5	~~Adj.~~ 0.5 DRY	2.15	~~Adj.~~ 2.15	**100.0**
				Material Description: REDDISH BROWN & GREY SILTY SANDY CLAY							
26207	12:00	150	LOT 207 4m Rear bdy, 2m Right bdy R.L. 18.45	26207	-	15.5	16.5	~~Adj.~~ 1.0 DRY	2.11	~~Adj.~~ 2.12	**99.5**
				Material Description: REDDISH BROWN & GREY SILTY SANDY CLAY							
26208	12:30	150	LOT 206 6m Rear bdy, 4m Right bdy R.L. 17.92	26208	-	14.0	15.0	~~Adj.~~ 1.0 DRY	2.10	~~Adj.~~ 2.14	**98.0**
				Material Description: REDDISH BROWN & GREY SILTY SANDY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 05/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 05/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47712
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	29/06/2022	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26222	8:00	150	LOT 206 8m Rear bdy, 3m Left bdy R.L. 18.48	26222	-	15.5	14.5	~~Adj.~~ 1.0 WET	2.09	~~Adj.~~ 2.11	**99.0**
				Material Description: DARK GREY BROWN SANDY CLAY							
26223	8:30	150	LOT 207 11m Rear bdy, 2m Right bdy R.L. 19.00	26223	-	14.5	12.5	~~Adj.~~ 2.0 WET	2.13	~~Adj.~~ 2.20	**97.0**
				Material Description: DARK BROWN SANDY CLAY							
26224	9:00	150	LOT 208 9m Rear bdy, 3m Left bdy R.L. 19.40	26224	-	16.0	16.0	~~Adj.~~ -	2.14	~~Adj.~~ 2.10	**97.5**
				Material Description: GREY BROWN SILTY CLAY							
26225	13:00	150	LOT 235 8m Rear bdy, 4m Left bdy R.L. 13.91	26225	-	22.0	20.0	~~Adj.~~ 2.0 WET	2.07	~~Adj.~~ 2.13	**97.0**
				Material Description: REDDISH GREY SILTY CLAY							
26226 **RETEST**	14:00	150	LOT 183 6m Rear bdy, 3m Right bdy R.L. 22.02	26226	-	17.0	18.0	~~Adj.~~ 1.0 DRY	2.05	~~Adj.~~ 2.08	**98.5**
				Material Description: GREY BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks: **Sample No. 26226 is a Retest of Sample No. 26135**

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 05/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 05/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47717
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	30/06/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26239	10:00	150	LOT 237 4m Rear bdy, 2m Right bdy R.L. 14.85	26239	-	17.0	14.5	~~Adj.~~ 2.5 WET	2.06	~~Adj.~~ 2.15	**96.0**
				Material Description: GREY SILTY SANDY CLAY							
26240	10:30	150	LOT 236 5m Rear bdy, 3m Left bdy R.L. 14.40	26240	-	23.0	20.5	~~Adj.~~ 2.5 WET	1.96	~~Adj.~~ 2.04	**96.0**
				Material Description: REDDISH GREY & BROWN SILTY CLAY							
26241	13:30	150	LOT 237 7m Rear bdy, 4m Right bdy R.L. 15.40	26241	-	25.0	22.5	~~Adj.~~ 2.5 WET	1.99	~~Adj.~~ 2.03	**98.0**
				Material Description: REDDISH BROWN SILTY CLAY							
26242	14:00	150	LOT 236 8m Rear bdy, 2m Left bdy R.L. 15.00	26242	-	20.0	17.5	~~Adj.~~ 2.5 WET	2.04	~~Adj.~~ 2.08	**98.0**
				Material Description: GREY BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 05/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 05/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47748
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	11/07/2022	Tested by	JM

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26294	13:30	150	LOT 230 6m Front bdy, 3m Left bdy R.L. 17.10	26294	-	22.0	19.5	~~Adj.~~ 2.5 WET	2.03	~~Adj.~~ 2.11	**96.0**
				Material Description: BROWN GREY SILTY CLAY							
26295	13:50	150	LOT 229 8m Front bdy, 4m Left bdy R.L. 17.89	26295	-	20.0	19.0	~~Adj.~~ 1.0 WET	2.06	~~Adj.~~ 2.09	**98.5**
				Material Description: LIGHT BROWN GREY SILTY CLAY							
26296	14:15	150	LOT 228 5m Front bdy, 5m Left bdy R.L. 18.72	26296	-	21.5	19.0	~~Adj.~~ 2.5 WET	2.03	~~Adj.~~ 2.10	**96.5**
				Material Description: BROWN GREY SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 14/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 14/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47763
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	12/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26297	8:00	150	LOT 227 4m Front bdy, 3m Left bdy R.L. 19.49	26297	-	20.5	18.0	~~Adj.~~ 2.5 WET	2.03	~~Adj.~~ 2.10	**96.5**
			Material Description: GREY BROWN SILTY CLAY								
26298	8:30	150	LOT 226 5m Front bdy, 4m Left bdy R.L. 20.28	26298	-	20.0	17.5	~~Adj.~~ 2.5 WET	2.07	~~Adj.~~ 2.13	**97.0**
			Material Description: REDDISH BROWN SILTY CLAY								
26299	9:00	150	LOT 225 7m Front bdy, 2m Left bdy R.L. 20.80	26299	-	18.5	15.5	~~Adj.~~ 3.0 WET	2.09	~~Adj.~~ 2.14	**97.5**
			Material Description: REDDISH GREY SILTY CLAY								
26300	9:30	150	LOT 224 6m Front bdy, 3m Left bdy R.L. 21.19	26300	-	21.5	19.0	~~Adj.~~ 2.5 WET	2.07	~~Adj.~~ 2.12	**97.5**
			Material Description: REDDISH GREY SILTY CLAY								
26301	10:30	150	LOT 237 10m Rear bdy, 3m Left bdy R.L. 15.90	26301	-	14.5	13.5	~~Adj.~~ 1.0 WET	2.11	~~Adj.~~ 2.16	**97.5**
			Material Description: REDDISH GREY SILTY SANDY CLAY								
26302	11:00	150	LOT 236 11m Rear bdy, 4m Right bdy R.L. 15.51	26302	-	20.0	17.5	~~Adj.~~ 2.5 WET	2.06	~~Adj.~~ 2.12	**97.0**
			Material Description: REDDISH BROWN & GREY SILTY CLAY								

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 18/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 18/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47764
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	12/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26303	11:30	150	LOT 235 6m Rear bdy, 3m Right bdy R.L. 14.42	26303	-	20.5	18.0	~~Adj.~~ 2.5 WET	2.03	~~Adj.~~ 2.10	**96.5**
				Material Description: REDDISH BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 18/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 18/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47772
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	16/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26329	8:00	150	LOT 221 11m Front bdy, 4m Left bdy R.L. 21.70	26329	-	21.5	19.0	~~Adj.~~ 2.5 WET	1.96	~~Adj.~~ 2.04	**96.0**
				Material Description: BROWN GREY SILTY SANDY CLAY							
26330	8:30	150	LOT 222 9m Rear bdy, 6m Left bdy R.L. 21.72	26330	-	26.0	23.0	~~Adj.~~ 3.0 WET	1.94	~~Adj.~~ 2.02	**96.0**
				Material Description: BROWN SILTY CLAY & ROCK FRAGMENTS							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 21/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 21/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47773
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	18/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26343	8:30	150	LOT 223 6m Rear bdy, 5m Left bdy R.L. 21.62	26343	-	23.0	22.5	~~Adj.~~ 2.5 WET	2.00	~~Adj.~~ 2.07	**96.5**
				Material Description: BROWN GREY SILTY CLAY							
26344	10:00	150	LOT 236 12m Front bdy, 6m Right bdy R.L. 15.90	26344	-	26.5	24.0	~~Adj.~~ 2.5 WET	1.94	~~Adj.~~ 1.99	**97.5**
				Material Description: REDDISH BROWN SILTY CLAY							
26345	12:00	150	LOT 237 14m Front bdy, 3m Left bdy R.L. 16.40	26345	-	15.5	13.0	~~Adj.~~ 2.5 WET	2.10	~~Adj.~~ 2.18	**96.5**
				Material Description: BROWN GREY SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 21/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 21/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ROAD FILL	Report No.	47774
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	18/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26346	13:30	150	ROAD 7 CH100 0.8m below P.L.	26346	-	21.5	18.5	~~Adj.~~ 3.0 WET	1.93	~~Adj.~~ 2.13	**90.5**
				Material Description: REDDISH BROWN & GREY SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 21/07/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 21/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47775
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	19/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet	% Oversize 19mm/37.5mm Dry	Field Moisture Context %	Optimum Moisture Content %	Moisture Variation %	Moisture Ratio %	Field Dry Density t/m^3	Max. Dry Density t/m^3	Dry Density Ratio %
26354	13:30	150	LOT 218 6m Front bdy, 3m Left bdy R.L. 16.66	26354	-	-	24.5	~~Adj.~~ 20.0	4.5 WET	122.5	1.55	~~Adj~~ 1.69	**91.5**
				Material Description: REDDISH GREY SILTY CLAY									
26355	13:50	150	LOT 217 7m Front bdy, 2m Left bdy R.L 16.68	26355	-	-	20.5	~~Adj.~~ 15.0	5.0 WET	132.0	1.62	~~Adj.~~ 1.79	**90.5**
				Material Description: REDDISH GREY & BROWN SILTY SANDY CLAY									
								~~Adj.~~				~~Adj.~~	
				Material Description:									
								~~Adj.~~				~~Adj.~~	
				Material Description:									
								~~Adj.~~				~~Adj.~~	
				Material Description:									
								~~Adj.~~				~~Adj.~~	
				Material Description:									

Remarks:

Required Dry Density Ratio 95% STD

Test Procedures: AS1289 5.1.1,5.3.1, 5.4.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 21/07/2022

Checked By: *G MCGRANN*

NATA
Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.
Accreditation No.2415

Greg McGrann/Manager
Approved Signatory
Date: 21/07/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47811
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	27/07/2022	Tested by	RW

Field Test N^{o} Sample N^{o}	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^{o}	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26380	10:00	150	LOT 242 11m Rear bdy, 2m Left bdy R.L. 16.03	26380	-	28.0	24.5	~~Adj.~~ 3.5 WET	1.94	~~Adj.~~ 2.01	**96.5**
				Material Description: GREY BROWN CLAY							
26381	10:30	150	LOT 243 12m Front bdy, 3m Right bdy R.L. 15.81	26381	-	25.0	21.5	~~Adj.~~ 3.5 WET	1.95	~~Adj.~~ 2.12	**92.0**
				Material Description: REDDISH GREY CLAY							
26382	13:00	150	LOT 216 10m Front bdy, 4m Right bdy R.L. 16.70	26382	-	17.0	14.0	~~Adj.~~ 3.0 WET	2.12	~~Adj.~~ 2.23	**95.0**
				Material Description: LIGHT GREY BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 04/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 04/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47812
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	28/07/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26389	10:00	150	LOT 243 9m Rear bdy, 5m Right bdy R.L. 16.40	26389	-	17.0	13.0	~~Adj.~~ 4.0 WET	1.93	~~Adj.~~ 2.08	**93.0**
				Material Description: BROWN SILTY SANDY CLAY							
26390	10:30	150	LOT 242 10m Front bdy, 3m Left bdy R.L. 16.50	26390	-	18.5	14.5	~~Adj.~~ 4.0 WET	1.98	~~Adj.~~ 2.15	**92.0**
				Material Description: GREY BROWN SILTY SANDY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 04/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 04/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47812A
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	29/07/2022	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26412	10:00	150	LOT 180 12m Front bdy, 2m Left bdy R.L. 21.91	26412	-	19.0	17.5	~~Adj.~~ 1.5 WET	2.06	~~Adj.~~ 2.14	**96.0**
				Material Description: GREY BROWN SILTY CLAY							
26413	10:50	150	LOT 179 11m Front bdy, 2m Left bdy R.L. 22.28	26413	-	18.5	17.5	~~Adj.~~ 1.0 WET	2.10	~~Adj.~~ 2.14	**98.0**
				Material Description: REDDISH BROWN SILTY CLAY							
26414	14:00	150	LOT 178 11m Front bdy, 2m Left bdy R.L. 22.69	26414	-	23.0	22.0	~~Adj.~~ 1.0 WET	1.96	~~Adj.~~ 2.01	**97.5**
				Material Description: GREY BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 04/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 04/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47813
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	01/08/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26426	7:30	150	LOT 238 3m Rear bdy, 5m Right bdy R.L. 14.80	26426	-	13.5	10.5	~~Adj.~~ 3.0 WET	2.15	~~Adj.~~ 2.23	**96.5**
				Material Description: BROWN MOTTLED GREY SILTY CLAY							
26427	8:00	150	LOT 239 4m Rear bdy, 3m Right bdy R.L. 14.54	26427	-	15.0	12.5	~~Adj.~~ 2.5 WET	2.15	~~Adj.~~ 2.22	**97.0**
				Material Description: GREY BROWN SILTY SANDY CLAY							
26428 **RETEST**	9:00	150	LOT 243 7m Rear bdy, 3m Right bdy R.L. 15.80	26428	-	26.0	25.5	~~Adj.~~ 0.5 WET	2.02	~~Adj.~~ 2.02	**100.0**
				Material Description: REDDISH GREY CLAY							
26429 **RETEST**	13:00	150	LOT 243 10m Rear bdy, 4m Right bdy R.L. 16.39	26429	-	15.5	14.5	~~Adj.~~ 1.0 WET	2.12	~~Adj.~~ 2.13	**99.5**
				Material Description: GREY BROWN SILTY SANDY CLAY							
26430	13:30	150	LOT 238 5m Rear bdy, 3m Left bdy R.L. 15.41	26430	-	16.5	16.0	~~Adj.~~ 0.5 WET	2.19	~~Adj.~~ 2.11	**104.0**
				Material Description: GREY BROWN SILTY SANDY CLAY							
26431	14:00	150	LOT 239 8m Rear bdy, 4m Left bdy R.L. 15.10	26431	-	15.5	13.0	~~Adj.~~ 2.5 WET	2.12	~~Adj.~~ 2.16	**98.0**
				Material Description: GREY BROWN SILTY SANDY CLAY							

Remarks: **Sample Number 26428 is a Retest of Sample Number 26381**
Sample Number 26429 is a Retest of Sample Number 26389

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 04/08/2022

Checked By: *G MCGRANN*

NATA
Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.
Accreditation No.2415

Greg McGrann/Manager
Approved Signatory
Date: 04/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47814
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	02/08/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26436	10:00	150	LOT 234 12m Rear bdy, 4m Left bdy R.L. 13.40	26436	-	20.0	19.5	~~Adj.~~ 0.5 WET	2.09	~~Adj.~~ 2.03	**103.0**
				Material Description: REDDISH BROWN CLAY							
26437 **RETEST**	12:30	150	LOT 242 11m Front bdy, 5m Left bdy R.L. 16.48	26437	-	17.5	16.0	~~Adj.~~ 1.5 WET	2.03	~~Adj.~~ 2.13	**95.5**
				Material Description: GREY BROWN SILTY SANDY CLAY							
26438	13:00	150	LOT 241 10m Rear bdy, 3m Right bdy R.L. 15.97	26438	-	15.5	13.0	~~Adj.~~ 2.5 WET	2.08	~~Adj.~~ 2.16	**96.5**
				Material Description: LIGHT GREY BROWN SILTY SANDY CLAY							
26439	13:30	150	LOT 240 9m Rear bdy, 4m Left bdy R.L. 15.38	26439	-	20.5	18.5	~~Adj.~~ 2.0 WET	2.05	~~Adj.~~ 2.08	**98.5**
				Material Description: LIGHT BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks: **Sample Number 26437 is a Retest of Sample Number 26390**

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 04/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 04/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47821
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	03/08/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26457	10:00	150	LOT 238 10m Rear bdy, 4m Left bdy R.L. 15.93	26457	-	18.0	17.5	~~Adj.~~ 0.5 WET	2.08	~~Adj.~~ 2.07	**100.5**
				Material Description: REDDISH BROWN & GREY SILTY CLAY							
26458	10:30	150	LOT 239 11m Rear bdy, 3m Right bdy R.L. 15.61	26458	-	19.5	17.5	~~Adj.~~ 2.0 WET	2.01	~~Adj.~~ 2.07	**97.0**
				Material Description: GREY BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 08/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 08/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47827
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	04/08/2022	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26472	7:30	150	LOT 244 12m Front bdy, 3m Right bdy R.L. 17.55	26472	-	18.0	15.5	~~Adj.~~ 2.5 WET	2.00	~~Adj.~~ 2.09	**95.5**
				Material Description: GREY SILTY SANDY CLAY							
26473	10:00	150	LOT 238 15m Rear bdy, 2m Right bdy R.L. 16.40	26473	-	16.0	15.0	~~Adj.~~ 1.0 WET	2.09	~~Adj.~~ 2.16	**96.5**
				Material Description: BROWN SILTY SANDY CLAY							
26474	10:30	150	LOT 239 14m Rear bdy, 5m Right bdy R.L. 16.15	26474	-	17.0	16.0	~~Adj.~~ 1.0 WET	2.00	~~Adj.~~ 2.10	**95.0**
				Material Description: BROWN SILTY CLAY							
26475	11:00	150	LOT 243 10m Front bdy, 4m Left bdy R.L. 16.90	26475	-	18.0	17.0	~~Adj.~~ 1.0 WET	2.08	~~Adj.~~ 2.15	**96.5**
				Material Description: REDDISH BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 09/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 09/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	47828
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	05/08/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26481	7:30	150	LOT 235 10m Rear bdy, 4m Left bdy R.L. 14.91	26481	-	16.5	15.0	~~Adj.~~ 1.5 WET	2.10	~~Adj.~~ 2.18	**96.5**
				Material Description: BROWN SILTY CLAY							
26483	8:30	150	LOT 215 11m Front bdy, 3m Left bdy R.L. 17.25	26483	-	17.0	20.0	~~Adj.~~ 3.0 WET	2.15	~~Adj.~~ 2.17	**99.0**
				Material Description: BROWN SILTY SANDY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 09/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 09/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ROAD FILL	Report No.	47829
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	05/08/2022	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26482 **RETEST**	8:00	150	ROAD 7 CH101 0.8m below P.L.	26482	-	15.0	12.5	~~Adj.~~ 2.5 WET	2.23	~~Adj.~~ 2.22	**100.5**
				Material Description: BROWN SILTY SANDY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks: **Sample Number 26482 is a Retest of Sample Number 26346**

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 09/08/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 09/08/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	48006
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	05/10/2022	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
26992	8:00	150	LOT 233 4m Rear bdy, 1m Left bdy R.L. 14.00	26992	-	20.0	18.0	~~Adj.~~ 2.0 WET	2.08	~~Adj.~~ 2.12	**98.0**
				Material Description: REDDISH GREY SILTY CLAY							
26993	8:55	150	LOT 234 5m Rear bdy, 3m Left bdy R.L. 13.05	26993	-	21.0	19.0	~~Adj.~~ 2.0 WET	2.06	~~Adj.~~ 2.12	**97.0**
				Material Description: REDDISH GREY SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 07/10/2022

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 07/10/2022

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	48350
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	09/01/2023	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
27734 **RETEST**	8:30	150	LOT 217 6m Front bdy, 3m Left bdy R.L. 16.66	27734	-	17.5	15.0	~~Adj.~~ 2.5 WET	1.75	~~Adj.~~ 1.80	**97.0**
				Material Description: REDDISH GREY & BROWN SILTY SANDY CLAY							
27735 **RETEST**	9:00	150	LOT 218 6m Front bdy, 4m Left bdy R.L. 16.64	27735	-	24.0	21.0	~~Adj.~~ 3.0 WET	1.65	~~Adj.~~ 1.68	**98.0**
				Material Description: REDDISH GREY SILTY CLAY							
27739	11:00	150	LOT 235 9m Front bdy, 4m Right bdy R.L. 15.43	27739	-	12.0	10.5	~~Adj.~~ 1.5 WET	2.21	~~Adj.~~ 2.22	**99.5**
				Material Description: REDDISH BROWN SILTY SANDY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks: **Sample Number 27734 is a Retest of Sample Number 26355.**
Sample Number 27735 is a Retest of Sample Number 26354.

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 11/01/2023

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 11/01/2023

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	ALLOTMENT FILL	Report No.	48352
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	10/01/2023	Tested by	RW

Field Test Nº Sample Nº	Time of Test	Depth of Test mm	Test Location	Lab Compaction Nº	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
27745	8:00	150	LOT 231 2m Rear bdy, 4m Left bdy R.L. 16.64	27745	-	11.5	12.0	~~Adj.~~ 0.5 DRY	2.15	~~Adj.~~ 2.16	**99.5**
				Material Description: BROWN SILTY CLAY & ROCK FRAGMENTS							
27746	8:30	150	LOT 232 3m Rear bdy, 4m Right bdy R.L. 15.73	27746	-	14.5	14.0	~~Adj.~~ 0.5 WET	2.17	~~Adj.~~ 2.18	**99.5**
				Material Description: GREY BROWN SILTY CLAY & ROCK FRAGMENTS							
27747	9:00	150	LOT 233 8m Rear bdy, 6m Left bdy R.L. 14.55	27747	-	12.0	12.5	~~Adj.~~ 0.5 DRY	2.09	~~Adj.~~ 2.13	**98.0**
				Material Description: REDDISH GREY & BROWN SILTY CLAY & ROCK FRAGMENTS							
27748	9:30	150	LOT 234 4m Rear bdy, 5m Left bdy R.L. 13.93	27748	-	13.0	12.5	~~Adj.~~ 0.5 WET	2.16	~~Adj.~~ 2.17	**99.5**
				Material Description: REDDISH GREY & BROWN SILTY CLAY & ROCK FRAGMENTS							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 11/01/2023

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 11/01/2023

Brisbane Soil Testing
20/1191 Anzac Ave
Kallangur Q 4503
Ph.(07) 3285 6536
Email. brissoil@bigpond.net.au

FIELD DENSITY CERTIFICATE

Connemar Pty. Ltd.
ABN 50 065 093 647
Geotechnical Testing Services

Customer	BMD URBAN PTY LTD	Feature	BIO BASIN BACKFILL	Report No.	48361
Address	PO BOX 197, WYNNUM CENTRAL QLD 4178	Location	SEE BELOW	Job No.	202128
Project	CLAY GULLY – STAGE 3	Date Tested	11/01/2023	Tested by	RW

Field Test N^o Sample N^o	Time of Test	Depth of Test mm	Test Location	Lab Compaction N^o	% Oversize 19mm/37.5mm Wet Basis	Field Moisture Content %	Optimum Moisture Content %	Moisture Variation %	Field Wet Density t/m^3	Peak Converted Wet Density t/m^3	Hilf Density Ratio %
27755	7:30	150	BIO BASIN LOC ON ATT PLAN 1.0m below F.L.	27755	-	12.0	11.0	~~Adj.~~ 1.0 WET	2.13	~~Adj.~~ 2.17	**98.0**
				Material Description: GREY SILTY CLAY							
27756	8:00	150	BIO BASIN LOC ON ATT PLAN 0.3m below F.L.	27756	-	15.5	14.5	~~Adj.~~ 1.0 WET	2.08	~~Adj.~~ 2.11	**98.5**
				Material Description: GREY BROWN SILTY CLAY							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							
								~~Adj.~~		~~Adj.~~	
				Material Description:							

Remarks:

Specified Density Ratio 95% STD

Test Procedures: AS1289 5.1.1, 5.3.1, 5.7.1, 2.1.1

Determined on material finer than 19mm

Prepared By: *G MCGRANN*
Date: 16/01/2023

Checked By: *G MCGRANN*

NATA
Accreditation No.2415

Accredited for compliance with ISO/IEC 17025 – Testing.
Results relate only to the items tested.

Greg McGrann/Manager
Approved Signatory
Date: 16/01/2023