

LEGEND

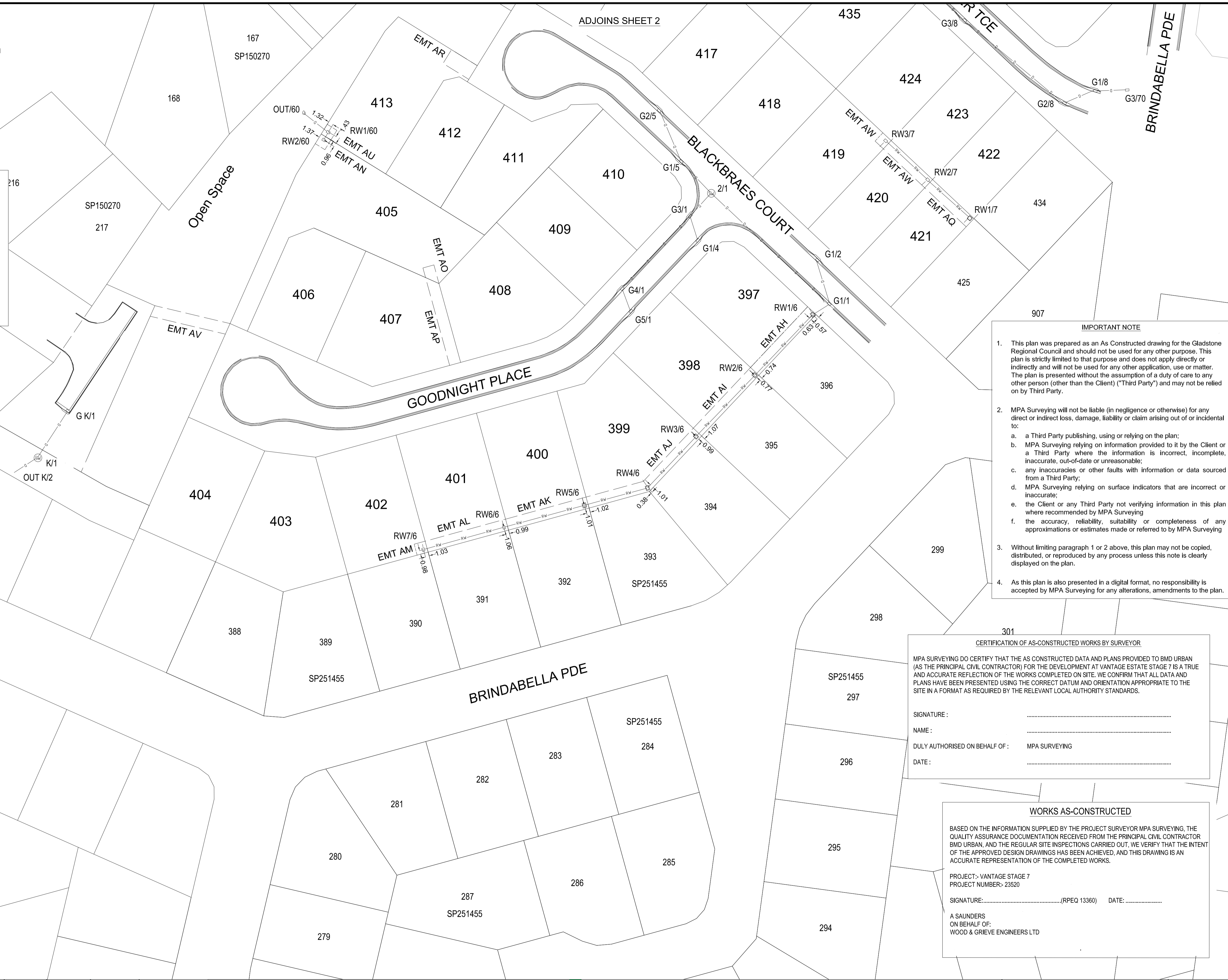
	MAN HOLE
	STORMWATER MAIN
	ROOF WATER
	ROOF WATER PIT
	GULLY PIT

CERTIFICATION OF AS-CONSTRUCTED WORKS BY CIVIL CONTRACTOR

AS THE PRINCIPAL CONTRACTOR FOR THE ABOVE CIVIL WORKS, BMD URBAN DO CERTIFY THAT ALL CIVIL WORKS FOR THE DEVELOPMENT AT VANTAGE ESTATE STAGE 7 HAVE BEEN CONSTRUCTED UNDER THE SUPERVISION OF A BMD URBAN REPRESENTATIVE IN ACCORDANCE WITH THE RELEVANT AUTHORITY STANDARDS, THE APPROVED CIVIL ENGINEERING PLANS AND SPECIFICATION, AND ANY ASSOCIATED APPROVED PLAN AMENDMENTS. WE CONFIRM THAT THE AS CONSTRUCTED DATA AND TESTING CERTIFICATES PROVIDED TO WOOD & GRIEVE ENGINEERS REPRESENT A TRUE AND ACCURATE REFLECTION OF THE WORKS COMPLETED ON SITE.

SIGNATURE:
 NAME:
 DULY AUTHORISED ON BEHALF OF: BMD URBAN PTY LTD
 DATE:

Structure	SL	Line	DSIL	USIL	Length	Grade %	Type	Grade In	X
		From	To						
G K/1	44.29								
MH K/1	44.05	G K/1	MH K/1	42.92	43.22	14.14	2.1	375dia RCP	47.1
Outlet K/2		MH K/1	Outlet K/2	42.78	42.90	7.08	1.7	1450x300 RCBC	59.0
RW 2/60	44.54								
RW 1/60	42.85	RW 2/60	RW 1/60	41.03	41.14	1.70	6.5	225 PVC	15.5
OUT/60		RW 1/60	OUT/60	40.86	40.94	7.58	1.1	225 PVC	94.8
G1/1	37.15								
RW1/6	37.61	G1/1	RW1/6	35.59	36.24	4.54	14.3	300 PVC	7.0
RW2/6	38.61	RW1/6	RW2/6	36.30	37.44	21.62	5.3	300 PVC	19.0
RW3/6	39.51	RW2/6	RW3/6	37.47	38.48	21.88	4.6	225 PVC	21.7
RW4/6	40.66	RW3/6	RW4/6	38.56	39.21	18.15	3.6	225 PVC	27.9
RW5/6	42.67	RW4/6	RW5/6	39.28	41.44	16.75	12.9	225 PVC	7.8
RW6/6	44.18	RW5/6	RW6/6	41.50	41.69	21.41	0.9	225 PVC	112.7
RW7/6	45.46	RW6/6	RW7/6	42.63	43.14	21.34	2.4	225 PVC	41.8
G1/1	37.15								
G1/2	38.05	G1/1	G1/2	35.58	36.97	11.50	12.1	375 RCP	8.3
G1/1	37.15								
MH 2/1	40.9	G1/1	MH 2/1	35.51	38.67	41.82	7.6	450 RCP	13.2
G3/1	40.52	MH 2/1	G3/1	38.99	39.18	17.57	7.3	450 RCP	92.5
G4/1	41.62	G3/1	G4/1	39.25	40.17	25.22	3.6	375 RCP	27.4
G5/1	41.75	G4/1	G5/1	40.22	40.60	5.72	6.6	375RCP	15.1
MH2/1	40.9								
G1/5	41.65	MH2/1	G1/5	39.42	40.42	10.74	9.3	375 RCP	10.7
G2/5	42.3	G1/5	G2/5	40.17	40.51	13.80	2.5	375RCP	40.6
G3/1	40.52								
G1/4	40.55	G3/1	G1/4	39.23	39.48	5.94	4.2	375RCP	23.8
RW1/7	35.75								
RW2/7	37.36	RW1/7	RW2/7	34.58	34.91	14.10	2.3	225 PVC	42.7
RW3/7	39.21	RW2/7	RW3/7	36.00	36.42	14.27	2.9	225 PVC	34.0
Ex G3/70									
G1/8	30.12	Ex G3/70	G1/8	28.02	28.09	7.33	1.0	5225RCP	104.7
G2/8	30.62	G1/8	G2/8	28.20	29.14	7.97	11.8	450 RCP	8.5
G3/8	34.52	G2/8	G3/8	29.25	33.41	33.24	12.5	375 RCP	8.0
G4/8	38.97	G3/8	G4/8	33.52	37.74	38.78	10.9	375 RCP	9.2
G5/8	39.73	G4/8	G5/8	37.86	38.22	8.52	4.2	375 RCP	23.7
Ex G2/70	29.88								
G1/9	29.94	Ex G2/70	G1/9	27.79	27.88	19.80	0.5	750RCP	220.0
MH1/10	30.51	G1/9	MH1/10	28.02	28.72	4.65	15.1	375RCP	6.6
RW2/10	34.62	MH1/10	RW2/10	29.73	31.74	18.93	10.6	300PVC	9.4
RW3/10	35.72	RW2/10	RW3/10	33.41	33.73	14.08	2.3	225 PVC	44.0
RW4/10	37.56	RW3/10	RW4/10	34.51	34.86	14.18	2.5	225 PVC	40.5
RW5/10	39.64	RW4/10	RW5/10	36.49	36.79	13.98	2.1	225 PVC	46.6
RW6/10	41.74	RW5/10	RW6/10	38.34	38.76	13.94	3.0	225 PVC	33.2
RW7/10	43.53	RW6/10	RW7/10	40.45	40.82	19.05	1.9	225 PVC	51.5
RW8/10	44.63	RW7/10	RW8/10	42.26	42.64	19.09	2.0	225 PVC	50.2
G6/13	44.29								
RW1/23	44.72	G6/13	RW1/23	42.74	42.84	4.60	2.2	300 PVC	46.0
RW2/23	45.65	RW1/23	RW2/23	42.91	43.05	19.12	0.7	300PVC	136.6
RW3/23	44.81	RW2/23	RW3/23	43.07	43.19	18.89	0.6	225 PVC	157.4
RW4/23	44.08	RW3/23	RW4/23	43.24	43.43	19.36	1.0	225 PVC	101.9



IMPORTANT NOTE

- This plan was prepared as an As Constructed drawing for the Gladstone Regional Council and should not be used for any other purpose. This plan is strictly limited to that purpose and does not apply directly or indirectly and will not be used for any other application, use or matter. The plan is presented without the assumption of a duty of care to any other person (other than the Client) ("Third Party") and may not be relied on by Third Party.
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 - any inaccuracies or other faults with information or data sourced from a Third Party;
 - MPA Surveying relying on surface indicators that are incorrect or inaccurate;
 - the Client or any Third Party not verifying information in this plan where recommended by MPA Surveying
 - the accuracy, reliability, suitability or completeness of any approximations or estimates made or referred to by MPA Surveying
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CERTIFICATION OF AS-CONSTRUCTED WORKS BY SURVEYOR

MPA SURVEYING DO CERTIFY THAT THE AS CONSTRUCTED DATA AND PLANS PROVIDED TO BMD URBAN (AS THE PRINCIPAL CIVIL CONTRACTOR) FOR THE DEVELOPMENT AT VANTAGE ESTATE STAGE 7 IS A TRUE AND ACCURATE REFLECTION OF THE WORKS COMPLETED ON SITE. WE CONFIRM THAT ALL DATA AND PLANS HAVE BEEN PRESENTED USING THE CORRECT DATUM AND ORIENTATION APPROPRIATE TO THE SITE IN A FORMAT AS REQUIRED BY THE RELEVANT LOCAL AUTHORITY STANDARDS.

SIGNATURE:
 NAME:
 DULY AUTHORISED ON BEHALF OF: MPA SURVEYING
 DATE:

WORKS AS-CONSTRUCTED

BASED ON THE INFORMATION SUPPLIED BY THE PROJECT SURVEYOR MPA SURVEYING, THE QUALITY ASSURANCE DOCUMENTATION RECEIVED FROM THE PRINCIPAL CIVIL CONTRACTOR BMD URBAN, AND THE REGULAR SITE INSPECTIONS CARRIED OUT, WE VERIFY THAT THE INTENT OF THE APPROVED DESIGN DRAWINGS HAS BEEN ACHIEVED, AND THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE COMPLETED WORKS.

PROJECT: VANTAGE STAGE 7
 PROJECT NUMBER: 23520

SIGNATURE:.....(RPEQ 13360) DATE:.....

A SAUNDERS
 ON BEHALF OF:
 WOOD & GRIEVE ENGINEERS LTD

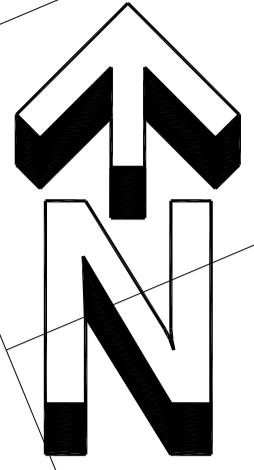
Rev.	Reason for Issue or Amendment	Date	Drawn	Checked	Surveyed
A	Original Issue	30/9/13	KN	WF	MPA

MPA SURVEYING

Head Office L6, 345 Ann St, Brisbane Q 4000 P 07 3002 2300
 mpasurveying.com.au
 Mackay Emerald Gladstone Brisbane Sunshine Coast

ENGINEERING MINING CONSTRUCTION CADASTRAL

Project: Vantage Estate Stage 7	MPA Job No: G12020	Scale: 1:500 at A1
Title: Drainage Reticulation Asconstructed	Level Datum: AHD D RL57.996	Origin: PSM 95145
Client: Peet Pty Ltd	Co-ord System: MGA Zone 56	MPA Drawing No: G12020-D7-01
	Revision: A	Sheet: 1 of 2



LEGEND

- MAN HOLE
- STORMWATER MAIN
- ROOF WATER
- ROOF WATER PIT
- GULLY PIT

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SIGNATURE:

NAME:

DULY AUTHORISED ON BEHALF OF: BMD URBAN PTY LTD

DATE:

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 - MPA Surveying relying on information provided to it by the Client or a Third Party where the information is incorrect, incomplete, inaccurate, out-of-date or unreasonable;
 - any inaccuracies or other faults with information or data sourced from a Third Party;
 - MPA Surveying relying on surface indicators that are incorrect or inaccurate;
 - the Client or any Third Party not verifying information in this plan where recommended by MPA Surveying
 - the accuracy, reliability, suitability or completeness of any approximations or estimates made or referred to by MPA Surveying
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Structure	SL	Line	DSIL	USIL	Length	Grade %	Type	Grade In X	
		From	To						
G K/1	44.29								
MH K/1	44.05	G K/1	MH K/1	42.92	43.22	14.14	2.1	375dia RCP	47.1
Outlet K/2		MH K/1	Outlet K/2	42.78	42.90	7.08	1.7	1450x300 RCBC	59.0
RW 2/60	44.54								
RW 1/60	42.85	RW 2/60	RW 1/60	41.03	41.14	1.70	6.5	225 PVC	15.5
OUT/60		RW 1/60	OUT/60	40.86	40.94	7.58	1.1	225 PVC	94.8
G1/1	37.15								
RW1/6	37.61	G1/1	RW1/6	35.59	36.24	4.54	14.3	300 PVC	7.0
RW2/6	38.61	RW1/6	RW2/6	36.30	37.44	21.62	5.3	300 PVC	19.0
RW3/6	39.51	RW2/6	RW3/6	37.47	38.48	21.88	4.6	225 PVC	21.7
RW4/6	40.66	RW3/6	RW4/6	38.56	39.21	18.15	3.6	225 PVC	27.9
RW5/6	42.67	RW4/6	RW5/6	39.28	41.44	16.75	12.9	225 PVC	7.8
RW6/6	44.18	RW5/6	RW6/6	41.50	41.69	21.41	0.9	225 PVC	112.7
RW7/6	45.46	RW6/6	RW7/6	42.63	43.14	21.34	2.4	225 PVC	41.8
G1/1	37.15								
G1/2	38.05	G1/1	G1/2	35.58	36.97	11.50	12.1	375 RCP	8.3
G1/1	37.15								
MH 2/1	40.9	G1/1	MH 2/1	35.51	38.67	41.82	7.6	450 RCP	13.2
G3/1	40.52	MH 2/1	G3/1	38.99	39.18	17.57	7.3	450 RCP	92.5
G4/1	41.62	G3/1	G4/1	39.25	40.17	25.22	3.6	375 RCP	27.4
G5/1	41.75	G4/1	G5/1	40.22	40.60	5.72	6.6	375RCP	15.1
MH2/1	40.9								
G1/5	41.65	MH2/1	G1/5	39.42	40.42	10.74	9.3	375 RCP	10.7
G2/5	42.3	G1/5	G2/5	40.17	40.51	13.80	2.5	375RCP	40.6
G3/1	40.52								
G1/4	40.55	G3/1	G1/4	39.23	39.48	5.94	4.2	375RCP	23.8
RW1/7	35.75								
RW2/7	37.36	RW1/7	RW2/7	34.58	34.91	14.10	2.3	225 PVC	42.7
RW3/7	39.21	RW2/7	RW3/7	36.00	36.42	14.27	2.9	225 PVC	34.0
Ex G3/70									
G1/8	30.12	Ex G3/70	G1/8	28.02	28.09	7.33	1.0	5225RCP	104.7
G2/8	30.62	G1/8	G2/8	28.20	29.14	7.97	11.8	450 RCP	8.5
G3/8	34.52	G2/8	G3/8	29.25	33.41	33.24	12.5	375 RCP	8.0
G4/8	38.97	G3/8	G4/8	33.52	37.74	38.78	10.9	375 RCP	9.2
G5/8	39.73	G4/8	G5/8	37.86	38.22	8.52	4.2	375 RCP	23.7
Ex G2/70	29.88								
G1/9	29.94	Ex G2/70	G1/9	27.79	27.88	19.80	0.5	750RCP	220.0
MH1/10	30.51	G1/9	MH1/10	28.02	28.72	4.65	15.1	375RCP	6.6
RW2/10	34.62	MH1/10	RW2/10	29.73	31.74	18.93	10.6	300PVC	9.4
RW3/10	35.72	RW2/10	RW3/10	33.41	33.73	14.08	2.3	225 PVC	44.0
RW4/10	37.56	RW3/10	RW4/10	34.51	34.86	14.18	2.5	225 PVC	40.5
RW5/10	39.64	RW4/10	RW5/10	36.49	36.79	13.98	2.1	225 PVC	46.6
RW6/10	41.74	RW5/10	RW6/10	38.34	38.76	13.94	3.0	225 PVC	33.2
RW7/10	43.53	RW6/10	RW7/10	40.45	40.82	19.05	1.9	225 PVC	51.5
RW8/10	44.63	RW7/10	RW8/10	42.26	42.64	19.09	2.0	225 PVC	50.2
G6/13	44.29								
RW1/23	44.72	G6/13	RW1/23	42.74	42.84	4.60	2.2	300 PVC	46.0
RW2/23	45.65	RW1/23	RW2/23	42.91	43.05	19.12	0.7	300PVC	136.6
RW3/23	44.81	RW2/23	RW3/23	43.07	43.19	18.89	0.6	225 PVC	157.4
RW4/23	44.08	RW3/23	RW4/23	43.24	43.43	19.36	1.0	225 PVC	101.9

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SIGNATURE:

NAME:

DULY AUTHORISED ON BEHALF OF: MPA SURVEYING

DATE:

WORKS AS-CONSTRUCTED

BASED ON THE INFORMATION SUPPLIED BY THE PROJECT SURVEYOR MPA SURVEYING, THE QUALITY ASSURANCE DOCUMENTATION RECEIVED FROM THE PRINCIPAL CIVIL CONTRACTOR BMD URBAN, AND THE REGULAR SITE INSPECTIONS CARRIED OUT, WE VERIFY THAT THE INTENT OF THE APPROVED DESIGN DRAWINGS HAS BEEN ACHIEVED, AND THIS DRAWING IS AN ACCURATE REPRESENTATION OF THE COMPLETED WORKS.

PROJECT: VANTAGE STAGE 7
PROJECT NUMBER: 23520

SIGNATURE:.....(RPEQ 13360) DATE:

A SAUNDERS
ON BEHALF OF:
WOOD & GRIEVE ENGINEERS LTD

Rev.	Reason for Issue or Amendment	Date	Drawn	Checked	Surveyed
A	Original Issue	30/9/13	KN	WF	MPA

Head Office L6, 345 Ann St, Brisbane Q 4000 P 07 3002 2300
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Mackay Emerald Gladstone Brisbane Sunshine Coast
ENGINEERING MINING CONSTRUCTION CADASTRAL

Project: Vantage Estate Stage 7	MPA Job No: G12020	Scale: 1:500 at A1
Title: Drainage Reticulation Asconstructed	Level Datum: AHD D RL57.996	Origin: PSM 95145
Client: Peet Pty Ltd	Co-ord System: MGA Zone 56	MPA Drawing No: G12020-D7-01
	Revision: A	Sheet: 2 of 2