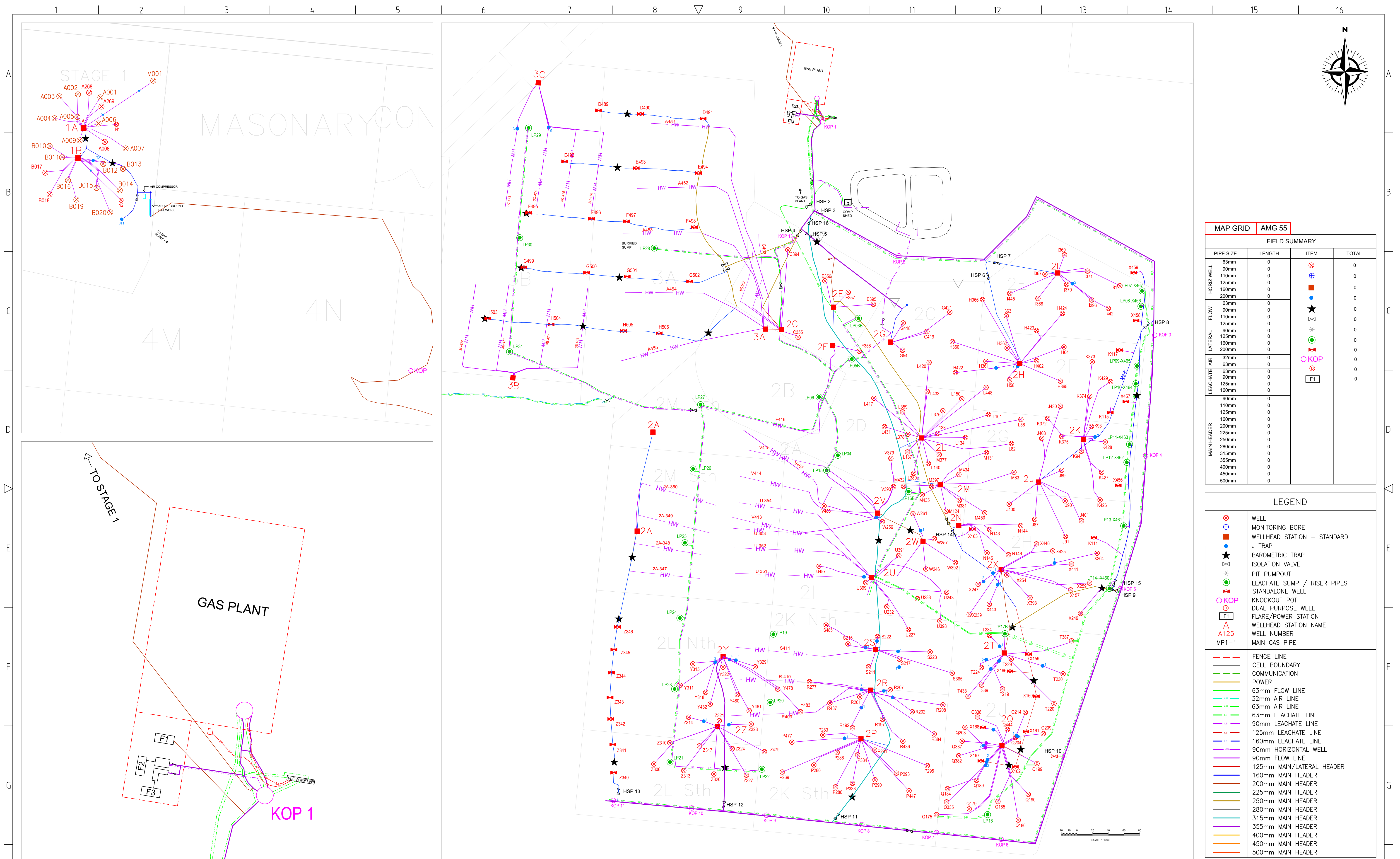
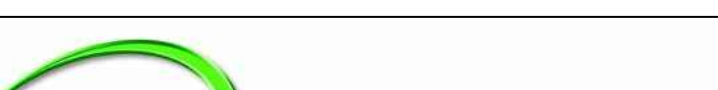
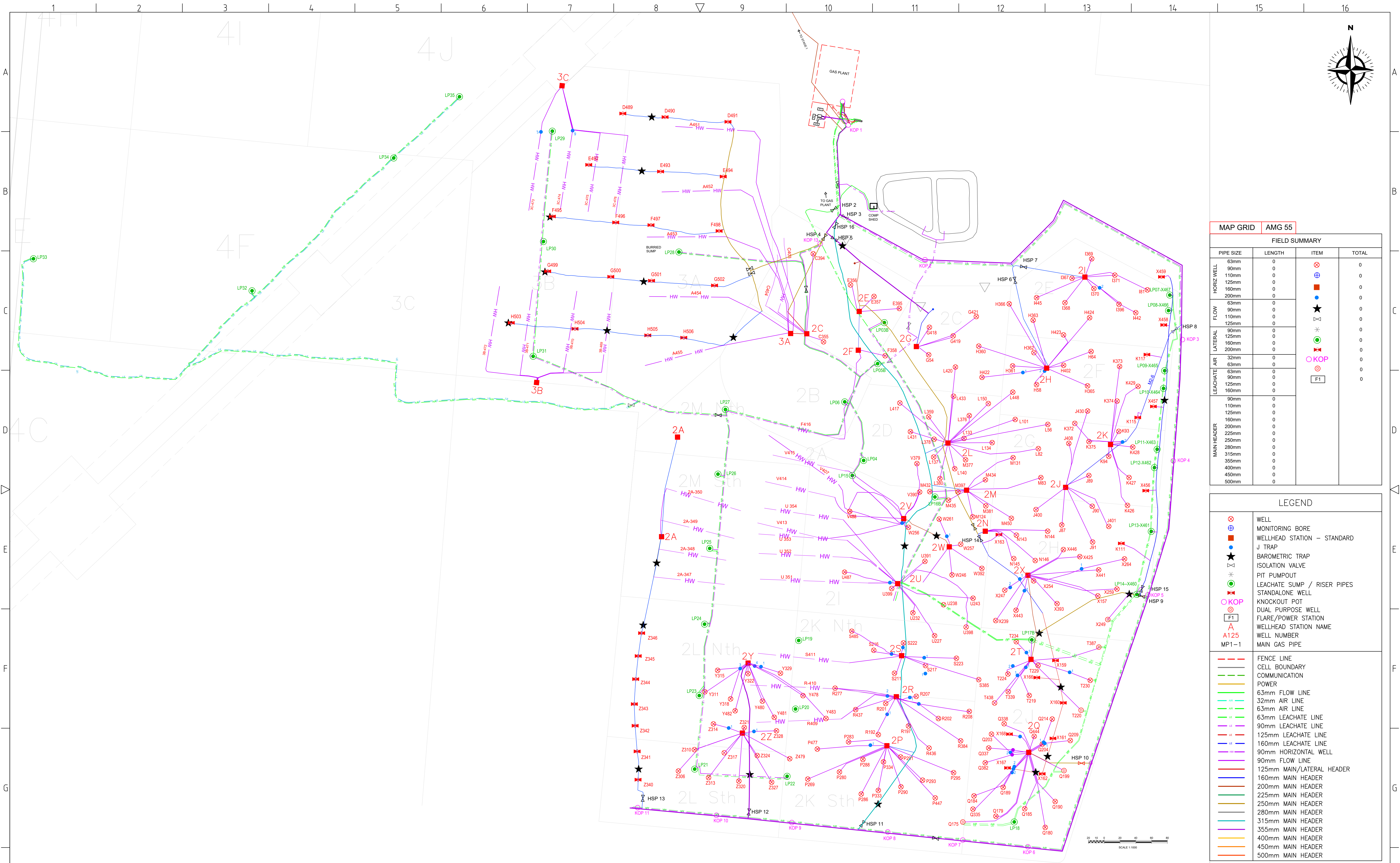




Z					U	4 A CELL DESIGN	RC	RC	RC	21.1.2019	 199C OSBORNE AVE, CLAYTON STH, VIC 3169 PH: (03) 9538 6200 www.runenergy.com	PROJECT: MELBOURNE REGIONAL LANDFILL DRAWING TITLE: GAS COLLECTION SYSTEM SITE LAYOUT	DRAWING No: MRL-GCS-003				
Y					S	AUGUST FLOWLINE REPLACEMENT	BC	LB	LB	21.8.2018			DRAWING TYPE: AS BUILT				
X	MRL CELL 3 GCS INSTALLATION	ZB	RB	RB	03.09.2019	R	GAS MAINS UPDATED	BC	LB	LB			21.8.2018	DRAWN: ZB	CKD: RB		
W	LEACHATE AIR EXTENSION AND REDRILLS	ZB	RB	RB	18.07.2019	Q	MRL CELL 3B HORIZONTAL DESIGN	BC	LB	LB			18.7.2018	DATE: 03.09.2019	APP: RB		
V	4 HWELLS, 200 MAIN 1 KOP	KCK	RB	RB	25.1.2018	P	MRL FLOWLINES ADDED/2L CELL REDRILLS	BC	LB	LB			24.5.2018	DESIGNED: RB	APP DATE: 03.09.2019		
REV	DESCRIPTION	BY	CKD	APP	DATE	REV	DESCRIPTION	BY	CKD	APP			DATE	SCALE: DNS	SHEET: 1 of 1	REV: X	SIZE: A1
REVISION HISTORY						REVISION HISTORY											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		



MAP GRID		AMG 55	
FIELD SUMMARY			
PIPE SIZE	LENGTH	ITEM	TOTAL
HORIZ WELL	63mm	⊗	0
	90mm	⊕	0
	110mm	⊗	0
	125mm	⊗	0
	160mm	⊗	0
FLOW	200mm	●	0
	63mm	★	0
	90mm	★	0
	110mm	⌞⌟	0
	125mm	⌞⌟	0
LATERAL	90mm	✱	0
	125mm	⊗	0
	160mm	⊗	0
	200mm	⊗	0
	AIR	32mm	⊗
63mm		⊗	0
LEACHATE	63mm	⊗	0
	90mm	⊗	0
	125mm	⊗	0
	160mm	⊗	0
	MAIN HEADER	90mm	0
110mm		0	0
125mm		0	0
160mm		0	0
200mm		0	0
225mm		0	0
250mm		0	0
280mm		0	0
315mm		0	0
355mm		0	0
400mm		0	0
450mm		0	0
500mm		0	0

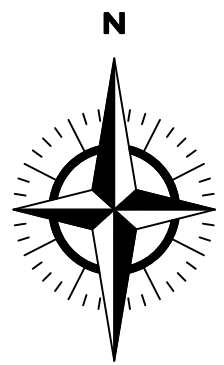
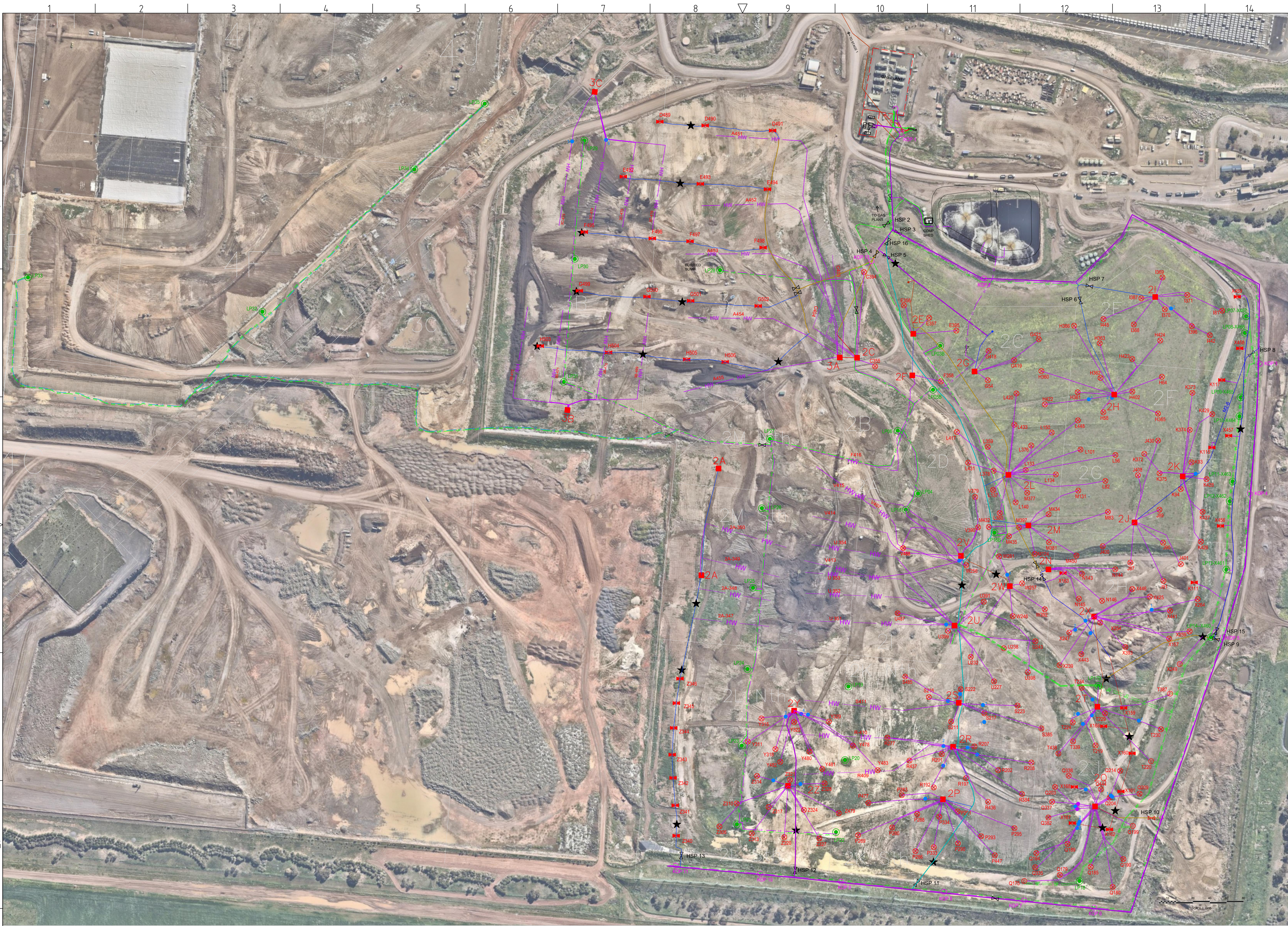
LEGEND	
⊗	WELL
⊕	MONITORING BORE
⊗	WELLHEAD STATION - STANDARD
★	J TRAP
⊗	BAROMETRIC TRAP
⊗	ISOLATION VALVE
⊗	PIT PUMPOUT
⊗	LEACHATE SUMP / RISER PIPES
⊗	STANDALONE WELL
⊗	KNOCKOUT POT
⊗	DUAL PURPOSE WELL
⊗	FLARE/POWER STATION
⊗	WELLHEAD STATION NAME
⊗	WELL NUMBER
⊗	MAIN GAS PIPE
---	FENCE LINE
---	CELL BOUNDARY
---	COMMUNICATION
---	POWER
---	63mm FLOW LINE
---	32mm AIR LINE
---	63mm AIR LINE
---	63mm LEACHATE LINE
---	90mm LEACHATE LINE
---	125mm LEACHATE LINE
---	160mm LEACHATE LINE
---	90mm HORIZONTAL WELL
---	90mm FLOW LINE
---	125mm MAIN/LATERAL HEADER
---	160mm MAIN HEADER
---	200mm MAIN HEADER
---	225mm MAIN HEADER
---	250mm MAIN HEADER
---	280mm MAIN HEADER
---	315mm MAIN HEADER
---	355mm MAIN HEADER
---	400mm MAIN HEADER
---	450mm MAIN HEADER
---	500mm MAIN HEADER

Z						U	4 A CELL DESIGN				RC	RC	RC	21.1.2019
Y						S	AUGUST FLOWLINE REPLACEMENT				BC	LB	LB	21.8.2018
X	MRL CELL 3 GCS INSTALLATION	ZB	RB	RB	03.09.2019	R	GAS MAINS UPDATED				BC	LB	LB	21.8.2018
W	LEACHATE AIR EXTENSION AND REDRILLS	ZB	RB	RB	18.07.2019	Q	MRL CELL 3B HORIZONTAL DESIGN				BC	LB	LB	18.7.2018
V	4 HWELLS, 200 MAIN 1 KOP	KCK	RB	RB	25.1.2018	P	MRL FLOWLINES ADDED/2L CELL REDRILLS				BC	LB	LB	24.5.2018
REV	DESCRIPTION	BY	CKD	APP	DATE	REV	DESCRIPTION	BY	CKD	APP	DATE			
REVISION HISTORY						REVISION HISTORY								

199C OSBORNE AVE, CLAYTON STH, VIC 3169
PH: (03) 9538 6200
www.runenergy.com

PROJECT:	MELBOURNE REGIONAL LANDFILL
DRAWING TITLE:	GAS COLLECTION SYSTEM SITE LAYOUT

DRAWING No:		MRL-GCS-003	
DRAWING TYPE:			
AS BUILT			
DRAWN:		CKD:	
ZB		RB	
DATE:		APP:	
03.09.2019		RB	
DESIGNED:		APP DATE:	
RB		03.09.2019	
SCALE:		SHEET:	REV:
DNS		1 of 1	X
		SIZE:	A1



MAP GRID		AMG 55	
FIELD SUMMARY			
PIPE SIZE	LENGTH	ITEM	TOTAL
HORIZ WELL	63mm	⊗	0
	90mm	⊕	0
	110mm	⊕	0
	125mm	⊕	0
	160mm	⊕	0
FLOW	200mm	⊕	0
	63mm	●	0
	90mm	★	0
	110mm	⌵	0
	125mm	⌵	0
LATERAL	90mm	✱	0
	125mm	✱	0
	160mm	⊙	0
	200mm	⊙	0
	32mm	⊗	0
AIR	63mm	⊗	0
	63mm	⊗	0
LEACHATE	90mm	⊗	0
	125mm	⊗	0
	160mm	⊗	0
	90mm	⊗	0
MAIN HEADER	110mm	⊗	0
	125mm	⊗	0
	160mm	⊗	0
	200mm	⊗	0
	225mm	⊗	0
	250mm	⊗	0
	280mm	⊗	0
	315mm	⊗	0
	355mm	⊗	0
	400mm	⊗	0
	450mm	⊗	0
	500mm	⊗	0
			⊗ KOP
		⊗	0
		F1	0

LEGEND	
⊗	WELL
⊕	MONITORING BORE
⊕	WELLHEAD STATION - STANDARD
●	J TRAP
★	BAROMETRIC TRAP
⊕	ISOLATION VALVE
★	PIT PUMPOUT
⊕	LEACHATE SUMP / RISER PIPES
⊕	STANDALONE WELL
⊕	KNOCKOUT POT
⊕	DUAL PURPOSE WELL
⊕	FLARE/POWER STATION
A	WELLHEAD STATION NAME
A125	WELL NUMBER
MP1-1	MAIN GAS PIPE
---	FENCE LINE
---	CELL BOUNDARY
---	COMMUNICATION
---	POWER
---	63mm FLOW LINE
---	32mm AIR LINE
---	63mm AIR LINE
---	63mm LEACHATE LINE
---	90mm LEACHATE LINE
---	125mm LEACHATE LINE
---	160mm LEACHATE LINE
---	90mm HORIZONTAL WELL
---	90mm FLOW LINE
---	125mm MAIN/LATERAL HEADER
---	160mm MAIN HEADER
---	200mm MAIN HEADER
---	225mm MAIN HEADER
---	250mm MAIN HEADER
---	280mm MAIN HEADER
---	315mm MAIN HEADER
---	355mm MAIN HEADER
---	400mm MAIN HEADER
---	450mm MAIN HEADER
---	500mm MAIN HEADER

Z						U	4 A CELL DESIGN	RC	RC	RC	21.1.2019
Y						S	AUGUST FLOWLINE REPLACEMENT	BC	LB	LB	21.8.2018
X	MRL CELL 3 GCS INSTALLATION	ZB	RB	RB	03.09.2019	R	GAS MAINS UPDATED	BC	LB	LB	21.8.2018
W	LEACHATE AIR EXTENSION AND REDRILLS	ZB	RB	RB	18.07.2019	Q	MRL CELL 3B HORIZONTAL DESIGN	BC	LB	LB	18.7.2018
V	4 HWELLS, 200 MAIN 1 KOP	KCK	RB	RB	25.1.2018	P	MRL FLOWLINES ADDED/2L CELL REDRILLS	BC	LB	LB	24.5.2018
REV	DESCRIPTION	BY	CKD	APP	DATE	REV	DESCRIPTION	BY	CKD	APP	DATE

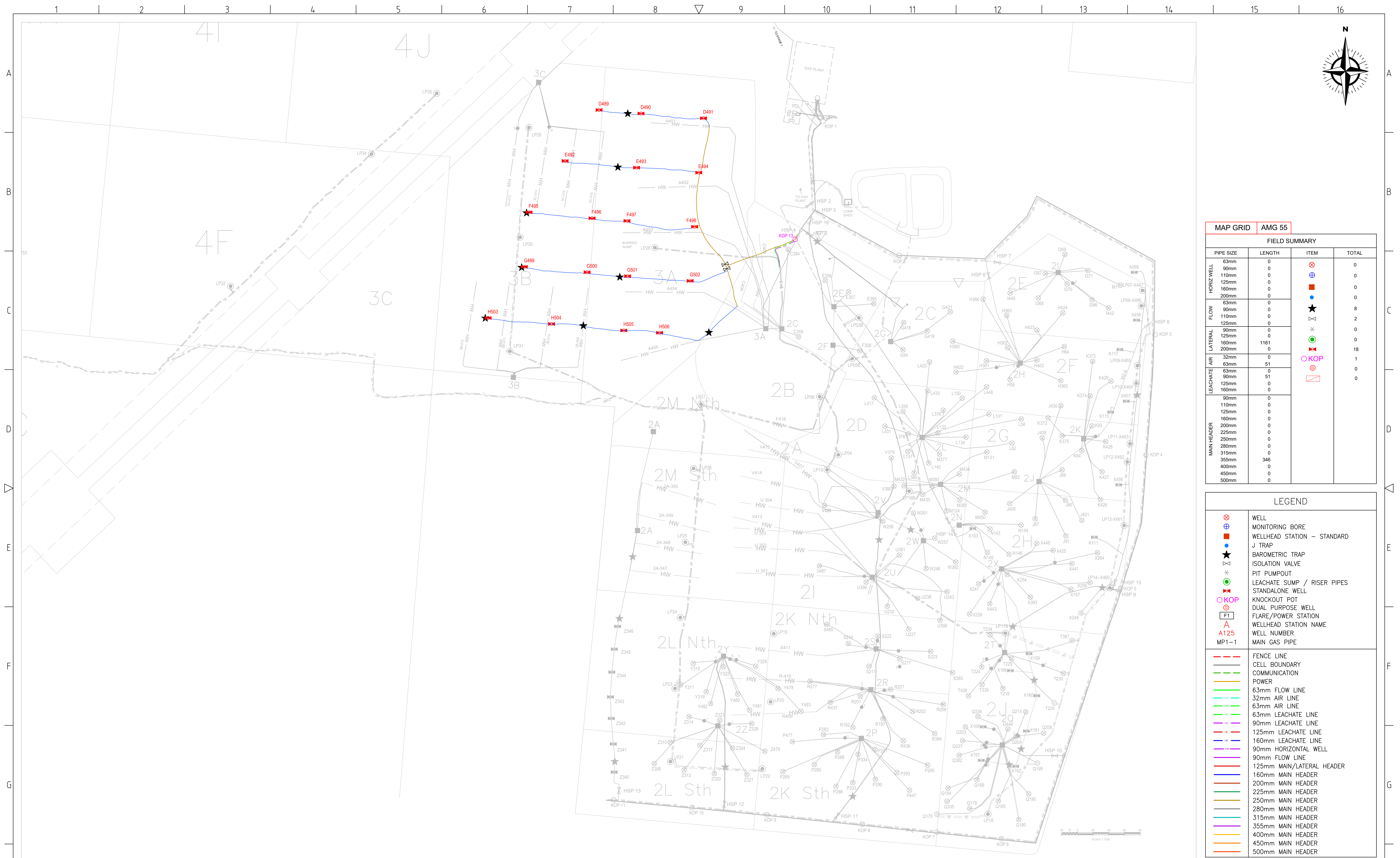
U	4 A CELL DESIGN	RC	RC	RC	21.1.2019
S	AUGUST FLOWLINE REPLACEMENT	BC	LB	LB	21.8.2018
R	GAS MAINS UPDATED	BC	LB	LB	21.8.2018
Q	MRL CELL 3B HORIZONTAL DESIGN	BC	LB	LB	18.7.2018
P	MRL FLOWLINES ADDED/2L CELL REDRILLS	BC	LB	LB	24.5.2018
REV	DESCRIPTION	BY	CKD	APP	DATE

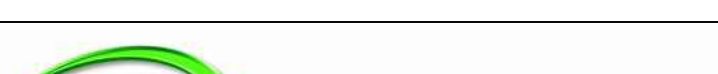


199C OSBORNE AVE, CLAYTON STH, VIC 3169
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PROJECT:	MELBOURNE REGIONAL LANDFILL
DRAWING TITLE:	GAS COLLECTION SYSTEM SITE LAYOUT

DRAWING No:		MRL-GCS-003	
DRAWING TYPE:		AS BUILT	
DRAWN: ZB		CKD: RB	
DATE: 03.09.2019		APP: RB	
DESIGNED: RB		APP DATE: 03.09.2019	
SCALE: DNS		SHEET: 1 of 1	
		REV: X	
		SIZE: A1	



Z						U	4 A CELL DESIGN		RC	RC	RC	21.1.2019		PROJECT: MELBOURNE REGIONAL LANDFILL	DRAWING No: MRL-GCS-003						
Y						S	AUGUST FLOWLINE REPLACEMENT		BC	LB	LB	21.8.2018			DRAWING TYPE: AS BUILT						
X	MRL CELL 3 GCS INSTALLATION				ZB	RB	RB	03.09.2019	R	GAS MAINS UPDATED		BC			LB	LB	21.8.2018	DRAWN: ZB CKD: RB			
W	LEACHATE AIR EXTENSION AND REDRILLS				ZB	RB	RB	18.07.2019	Q	MRL CELL 3B HORIZONTAL DESIGN		BC			LB	LB	18.7.2018	DATE: 03.09.2019 APP: RB			
V	4 HWELLS, 200 MAIN 1 KOP				KCK	RB	RB	25.1.2018	P	MRL FLOWLINES ADDED/2L CELL REDRILLS		BC			LB	LB	24.5.2018	DESIGNED: RB APP DATE: 03.09.2019			
REV	DESCRIPTION				BY	CKD	APP	DATE	REV	DESCRIPTION		BY	CKD	APP	DATE	199C OSBORNE AVE, CLAYTON STH, VIC 3169 PH: (03) 9538 6200 www.runenergy.com	CELL 3 GCS INSTALLATION	SCALE:	SHEET:	REV:	SIZE:
REVISION HISTORY								REVISION HISTORY										DNS	1	X	A1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16						