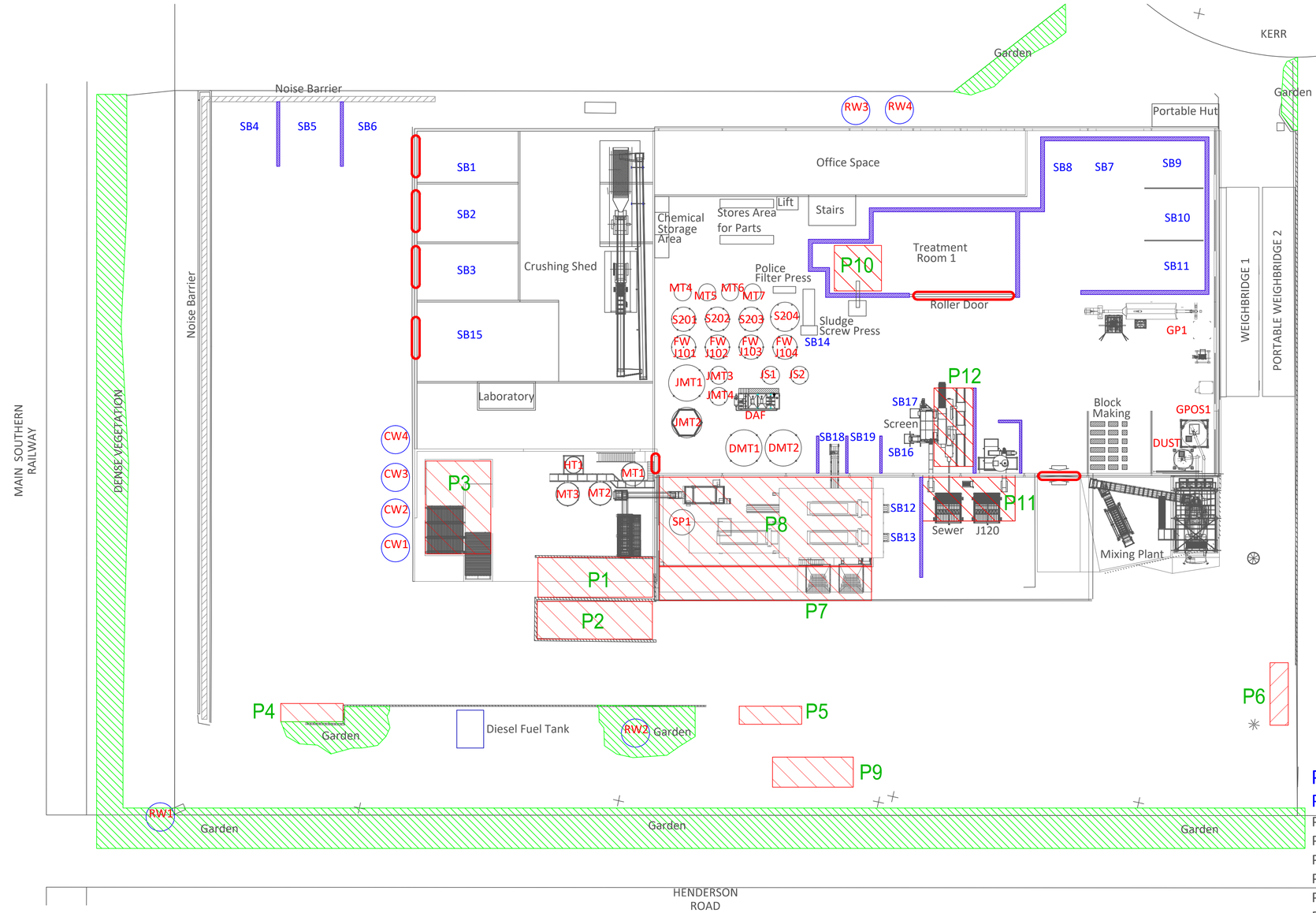
Appendix H: Locations, Capacities and Compabilities of Storage Facilities



TANK DETAILS

Tank No	Description	Approx Volume
MT1	Mixing Tank 1	20m3
MT2	Mixing Tank 2	20m3
MT3	Mixing Tank 3	20m3
MT4	Universal Tank	10m3
MT5	Universal Tank	10m3
MT6	Universal Tank	10m3
MT7	Universal Tank	10m3
S201	Sewer Water Tank	30m3
S202	Sewer Water Tank	30m3
S203	Sewer Water Tank	30m3
S204	Sewer Water Tank	39m3
J101	DAF Clean Water Tank	56m3
J102	DAF Clean Water Tank	56m3
J103	DAF Clean Water Tank	56m3
J104	DAF Clean Water Tank	56m3
	(Note: Firewater can be substituted into any J1** Tank)	
JMT1	Oily Water Mixing (Receivables Tank 1)	50m3
JMT2	Oily Water Mixing (ph Correction Tank 1)	50m3
JMT3	Oily Water Mixing (Receivables Tank 2)	10m3
JMT4	Oily Water Mixing (ph Correction Tank 2)	10m3
	Total Volume (All Tanks)	**573m3**
	Total Weight (Assumed SG 1.1)	**630 tonne**

Roller Doors x 6

PIT DETAILS

Pit No	Description	Approx Size	Approx Volume
P1	Stormwater Pit	13500L x 4400w x 5500d at end of pit	327m3
P2	Drill Mud Pit	15010L x 4400w x 5500d at end of pit	363m3
P3	NDD and Drill Mud	12000L x 8000w x 5500d at end of pit	528m3
P4	South Pit	4400L x 1300w x 1000d	6m3
P5	Central Pit	3900L x 1700w x 1250d	8m3
P6	North Facing	2700L x 1300w x 1400d	5m3
P7	NDD Pits /Cement Slurry	16080L x 3000w x 3200d	154m3
P8	Surge /Firewater Pit (Below presses)	23380L x 11200w x 3200d	838m3
P9	Wheelwash	10100L x 3300w x 650d	22m3
P10	Asbestos Containing Liquids	5000 x 5000 x 4000d	100m3
P11	Pit	11900 x 5750 x 4650d	318m3
P12	Pit	9770 x 4860 x 2125d	101m3
		Total Volume (All Pits)	**2770m3**
		Total Weight (Assumed SG 1.1)	**3047 tonne**

STORAGE BAY DETAILS

Bay No	Dimensions	Product Volume
SB1	5.4x6.0x4.8h	108m3
SB2	6.0x6.0x4.8h	121m3
SB3	4.8x6.0x4.8h	97m3
SB4	14.4x5.4x4.0h	202m3
SB5	14.4x5.4x4.0h	202m3
SB6	14.4x5.4x4.0h	202m3
SB7	4.0x4.0x3.0h	16m3
SB8	4.0x4.0x3.0h	16m3
SB9	6.5x15.0x8.0h	546m3
SB10	5.6x15.0x8.0h	470m3

Bay No	Dimensions	Product Volume
SB11	6.4x15.0x8.0h	538m3
SB12	6.5x8.0x5.0h	182m3
SB13	6.5x8.0x5.0h	182m3
SB14	Hook Lift Bin	10m3
SB15	10.0x10.0x4.8	312m3
SB16	Bin	5m3
SB17	Bin	5m3
SB18	5.5x5.0x6.0h	84m3
SB19	5.5x5.0x6.0h	84m3
	Total Volume (All Tanks)	**3382m3**
	Total Weight (Assumed SG 1.8)	**6088 tonne**

PLEASE REFER TO TABLE OF COMPATABILITY OF MATERIALS FOR BAY USE

Total Volume (All Storage) **6725m3**
Total Weight (Assumed SG 1.1) **9765 tonne**

Items Listing

Ref.	Qnt.	Description	Material	Remarks

Amendments or Issues

Revision	Amendment	Date	By	Appr
R0	As Originally Drawn	NA	NA	NA
R1				
R2				
R3				
R5				
R6				
R7				
R8				

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Client

Title: Storage Capacities

Drawing Number and Revision: BRS-Site-001

Drawn By: TB

Checked By

Scale

Date: 19-08-20

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Name	Type	Capacity m^3	Capacity Tonnes	Product Volume m^3	Product Weight Tonnes
SB1	< 5MM DUST	155.5	279.9	108	194.4
SB2	10MM AGGREGATES	172.8	311.04	121	217.8
SB3	20MM AGGREGATES	138.2	248.76	97	174.6
SB4	OUTSIDE 1	311	559.8	202	363.6
SB5	OUTSIDE 2	311	559.8	202	363.6
SB6	OUTSIDE 3	311	559.8	202	363.6
SB7	FOUNDRY SAND	48	86.4	16	28.8
SB8	ROADBASE	48	86.4	16	28.8
SB9	CONCRETE AGG	780	1404	546	982.8
SB10	SOILS (CT1 & CT2)	672	1209.6	470	846
SB11	SOILS (CT1 & CT2)	768	1382.4	538	968.4
SB12	FILTERCAKE BAY 1	260	468	182	327.6
SB13	FILTERCAKE BAY 2	260	468	182	327.6
SB14	HOOK LIFT BIN	10	18	10	18
SB15	Pre Crushing (Tip & Spread)	480	864	312	561.6
SB16	Bin	5	9	5	9
SB17	Bin	5	9	5	9
SB18	Grit Sand Sewer	165	297	84	151.2
SB19		165	297	84	151.2
TOTAL		**5065.5**	**9117.9**	**3382**	**6087.6**
MT1	Mixing Tank 1	20	22		
MT2	Mixing Tank 2	20	22		
MT3	Mixing Tank 3	20	22		
MT4	Universal Tank	10	11		
MT5	Universal Tank	10	11		
MT6	Universal Tank	10	11		
MT7	Universal Tank	10	11		
S201	Sewer Water	30	33		
S202	Sewer Water	30	33		
S203	Sewer Water	30	33		
S204	Sewer Water	39	42.9		
J101	Treated DAF Water	56	61.6		
J102	Treated DAF Water	56	61.6		
J103	Treated DAF Water	56	61.6		
J104	Treated DAF Water	56	61.6		
JMT1	RECEIVABLES 1	50	55		
JMT2	PH CORRECTION 1	50	55		
JMT3	RECEIVABLES 2	10	11		
JMT4	PH CORRECTION 2	10	11		
TOTAL		**573**	**630.3**		
P1	Stormwater Pit	327	359.7		
P2	Dril Mud Pit	363	399.3		
P3	NDD & Dril Mud	528	580.8		
P4	South pit	6	6.6		
P5	Central pit	8	8.8		
P6	North facing	5	5.5		
P7	NDD Pits/Cement Slurry	154	169.4		
P8	Surge/Firewater pit	838	921.8		
P9	Wheelwash	22	24.2		
P10	Asbestos Containing Liquid	100	110		
P11	Pit	318	349.8		
P12	Pit	101	111.1		
TOTAL		**2770**	**3047**		
GRAND TOTAL					
CAPACITY				**8408.5 m^3**	**12795.3 tonnes**
PRODUCTS				**6725 m^3**	**9765 tonnes**

Bay	Type																					
	Dust	10mm	20mm	Roadbase	Sand	Concrete Agg	Soils	Filtercake	C&D	Oil Sludge	Sewer Grit	Sewer Grit<20mm	NDD	DRILL MUD	STORMWATER	CEMENT SLURRY	J120	K130	N205	N140	GROUNDW	ACL
SB1	X	X	X	X	X	X	X	X	X													
SB2	X	X	X	X	X	X	X	X	X													
SB3	X	X	X	X	X	X	X	X	X													
SB4	X	X	X	X	X	X	X	X	X													
SB5	X	X	X	X	X	X	X	X	X													
SB6	X	X	X	X	X	X	X	X	X													
SB7	X	X	X	X	X	X	X	X	X													
SB8	X	X	X	X	X	X	X	X	X		X											
SB9	X	X	X	X	X	X	X	X	X		X											
SB10	X	X	X	X	X	X	X	X	X		X											
SB11	X	X	X	X	X	X	X	X	X		X											
SB12								X														
SB13								X														
SB14										X												
SB15									X													
SB16											X	X										
SB17											X											
SB18											X											
SB19																						
MT1													X	X	X	X					X	
MT2													X	X	X	X					X	
MT3													X	X	X	X					X	
MT4															X							
MT5															X							
MT6															X							
MT7															X							
S201																		X				
S202																		X				
S203																		X				
S204																		X				
J101										X							X					
J102										X							X					
J103										X							X					
J104										X							X					
JMT1										X							X					
JMT2										X							X					
JMT3										X							X					
JMT4										X							X					
P1															X						X	
P2													X	X								
P3													X	X								
P4															X							
P5															X							
P6															X							
P7													X			X						
P8																						
P9															X							
P10																						X
P11															X							
P12															X							