

DO NOT SCALE

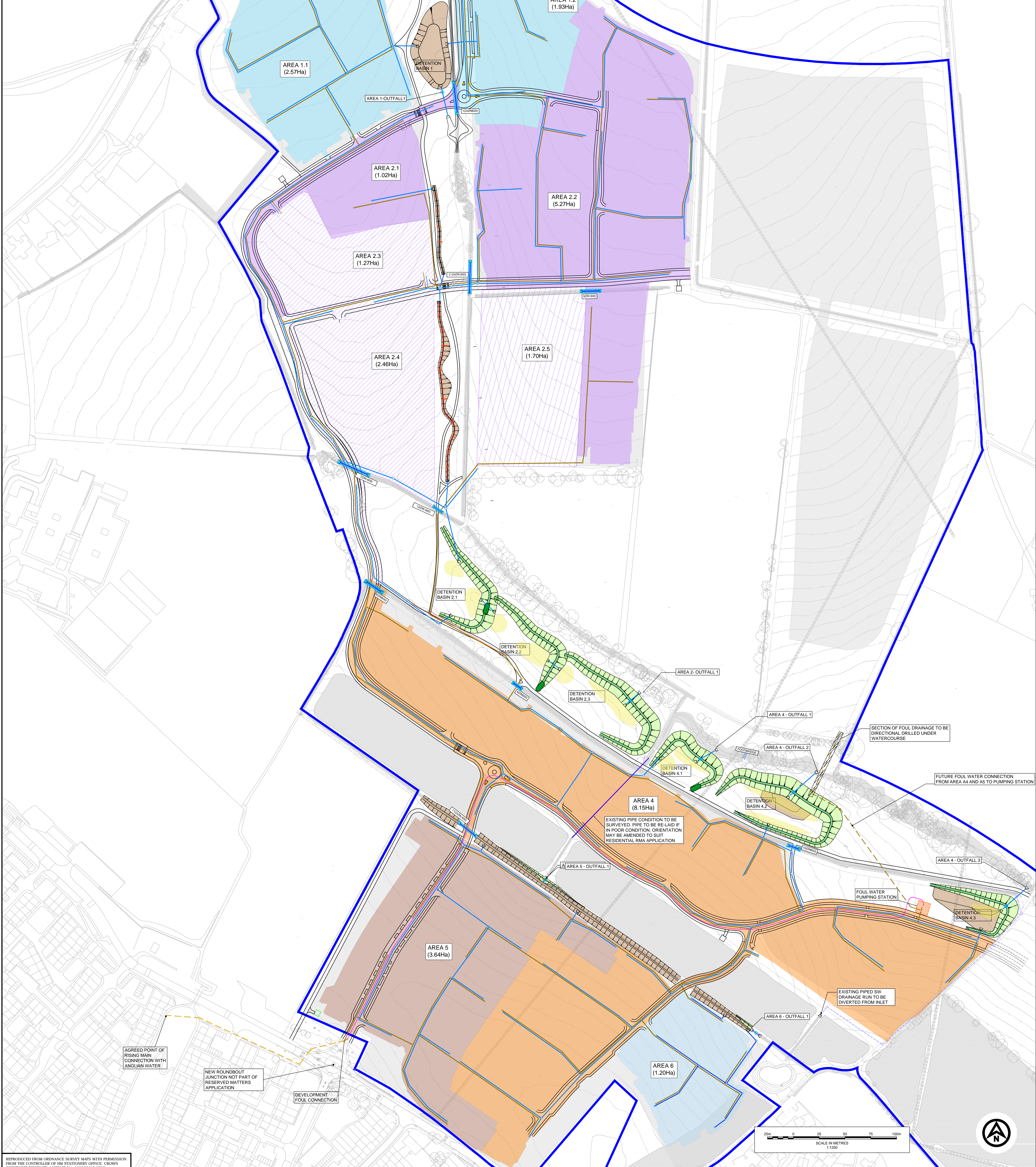
Outfall	Land use	Pollution hazard index	Total Suspended Solids (TSS)	Metals	Hydro-carbons	SUDS Index			
						SUDS Treatment (1 to n)	TSS	Metals	Hydro-carbons
1	Individual property driveways, residential car parks, low traffic roads and non-residential car parking with infrequent change	Low	0.5	0.4	0.4	Swale (1)	1.1	1.15	1.15
						Pond (2)	0.75	0.85	0.85
						Swale (3)	0.75	0.85	0.85
2	Commercial yard and delivery areas, non-residential car parking with frequent change, all roads except low traffic roads and trunk roads/motorways	Medium	0.7	0.6	0.7	Swale (1)	0.75	0.8	0.8
						Detention Basin (2)	0.75	0.8	0.8
						Swale (2)	0.75	0.8	0.8
3	Individual property driveways, residential car parks, low traffic roads and non-residential car parking with infrequent change	Low	0.5	0.4	0.4	Swale (1)	0.85	0.95	0.85
						Detention Basin (1)	0.75	0.8	0.8
						Swale (2)	0.75	0.8	0.8
4	Commercial yard and delivery areas, non-residential car parking with frequent change, all roads except low traffic roads and trunk roads/motorways	Medium	0.7	0.6	0.7	Swale (1)	0.75	0.8	0.8
						Detention Basin (1)	0.75	0.8	0.8
						Swale (2)	0.75	0.8	0.8
5	Commercial yard and delivery areas, non-residential car parking with frequent change, all roads except low traffic roads and trunk roads/motorways	Medium	0.7	0.6	0.7	Swale (1)	0.75	0.8	0.8
						Detention Basin (1)	0.75	0.8	0.8
						Swale (2)	0.75	0.8	0.8

TABLE 2. SUDS WATER TREATMENT

SUDS treatment (treatment train position 1 to n)	TSS	Metals	Hydro-carbons
Swale	0.5	0.6	0.6
Pond	0.7	0.7	0.5
Detention Basin	0.5	0.5	0.5

Catchment	Site Area (Ha)	Open Space Area (Ha)	Area Positively Drained (PD)	Impermeable Area (A)			Discharge Rates (l/s/ha)			Storage Required		Storage Provided		
				Ratio	Value	Total	1 in 1 Q (l/s/ha) = 2.00	1 in 30 Q (l/s/ha) = 3.1	1 in 100 Q (l/s/ha) = 7.31	Interception Volume (m³) generated for the first 5mm of rainfall (Area A)	Interception Available on Site (m³)	Volume Available on Site (m³)		
Outfall 1			Area 1.1	2.57	0.55	1.41	5.14	13.65	18.65	302	128	169	2200	
			Area 1.2	1.03	0.60	1.16								
			Area 2.1	1.00	0.60	0.61								
Outfall 2			Area 2.2	5.27	0.60	3.15	14.57	38.69	53.70	867	364	364	6428	
			Area 2.3 (Local Center)	1.27	0.60	1.02								
			Area 2.4 (School)	2.46	0.60	1.48								
Outfall 3			Area 2.5 (Care Home)	1.70	0.60	1.02	9.77	25.63	36.00	574	244	244	8403	
			Area 3	8.14	0.60	4.88								
			Area 4.1	2.15	0.60	1.29								
Outfall 4			Area 4.2	4.78	0.60	2.87	9.78	25.97	36.04	574	152	65	67	4030
			Area 4.3	1.22	0.60	0.73								
			Area 4.4	1.22	0.60	0.73								
Outfall 5			Area 5	3.54	0.60	2.16	4.37	11.60	16.10	267	109	94	1800	
			Area 6	1.20	0.60	0.72								
			Area 6	1.20	0.60	0.72								
TOTAL	73.25	35.90	57.35			22.83			2650			28623		

TABLE 1. CATCHMENT AREAS, FLOWS AND STORAGE ASSESSMENT



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- GENERAL NOTES**
- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.
 - THIS DRAWING HAS BEEN BASED UPON SURVEY / OS INFORMATION SUPPLIED BY INTERLOCKS SURVEYS LIMITED. ROYAL HASKONING DHV SHALL NOT BE LIABLE FOR ANY INACCURACY OR DEFICIENCIES ARISING FROM IT.
 - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
 - ALL MATERIALS AND WORKMANSHIP WILL BE AS SPECIFIED IN THE SPECIFICATION UNLESS NOTED OTHERWISE.
 - ALL LEVELS, DIMENSIONS AND LOCATIONS ARE TO BE CHECKED BY THE MAIN CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ON SITE.

- KEY:**
- PROPOSED SURFACE WATER SEWER
 - EXTERNAL SURFACE WATER TO BE DIVERTED OTHERWISE
 - PROPOSED FOUL WATER SEWER
 - PROPOSED FOUL WATER SEWER TO BE LAID AS PART OF THE SUDS AGREEMENT
 - SITE BOUNDARY
 - PROPOSED DRY SWALE
 - PROPOSED PIPED CROSSING
 - PROPOSED RISING MAIN
 - PROPOSED FLOW CONTROL MANHOLE

NO.	DATE	DESCRIPTION	BY	CHECKED	APP'D
01	14/04/18	LATERAL DRAINS ADDED FOR LOCAL CENTRE	RMV	PV	DJ
02	22/03/18	ISSUED FOR RESERVED MATTERS APPROVAL	RMV	PV	DJ
03	15/03/18	ISSUED FOR LAND OWNER COMMENTS	RMV	PV	DJ
04	18/02/18	ISSUED FOR PRE APP MEETING	JBW	PV	DJ
05	07/01/18	TABLE 2 ADDED, AREA 5 ADJUSTED	JBW	PV	DJ
06	23/11/16	LAYOUT AMENDED	JBW	PV	DJ
07	14/12/16	REVISION	DP	CHB	APF

REVISIONS

DRAWING STATUS: INFORMATION

CLIENT: REDROW

PROJECT: GREAT WILBY PARK

TITLE: RESERVED MATTERS DRAINAGE STRATEGY

DATE: OCT-18

SCALE: AS SHOWN

SCALE: 1:1250

PROJECT NUMBER: PB8301

DRAWN: RMV

CHECKED: PV

APPROVED: DJ

DATE: OCT-18

SCALE: AS SHOWN

SCALE: 1:1250

PROJECT NUMBER: PB8301

DRAWING NO.: PB8301-RHD-DE-H1-DR-D-0500

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