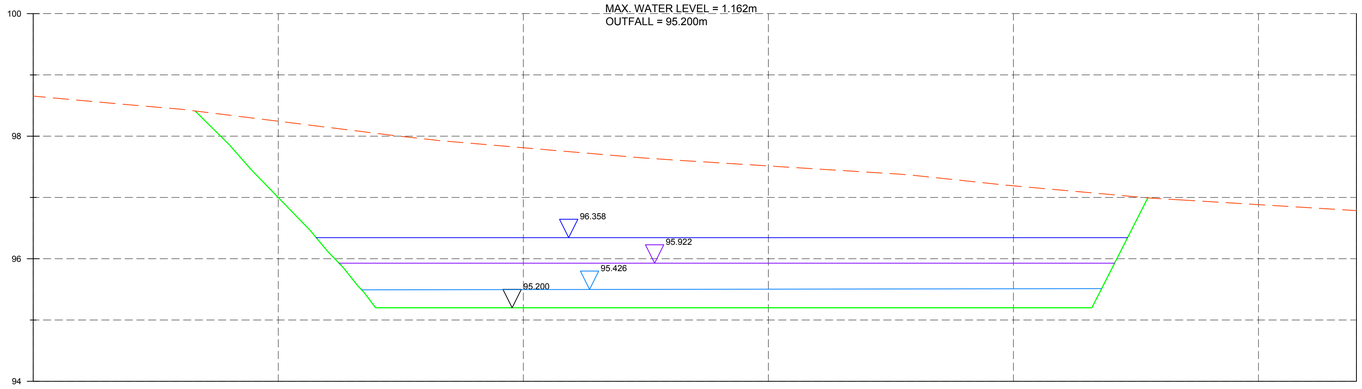
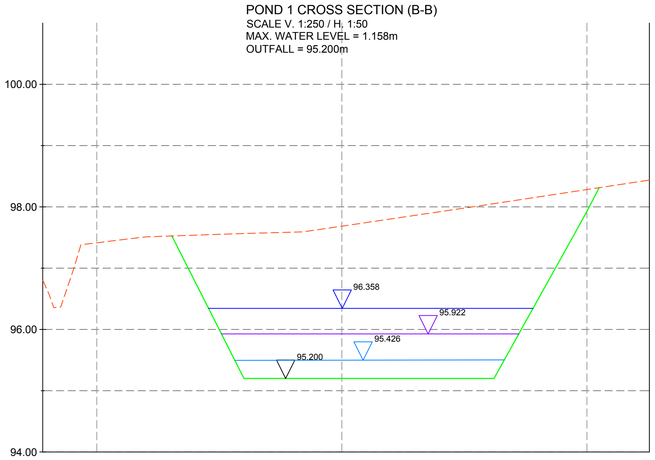
DRAWING No.
PB8301-RHD-DE-H1-DR-D-0550

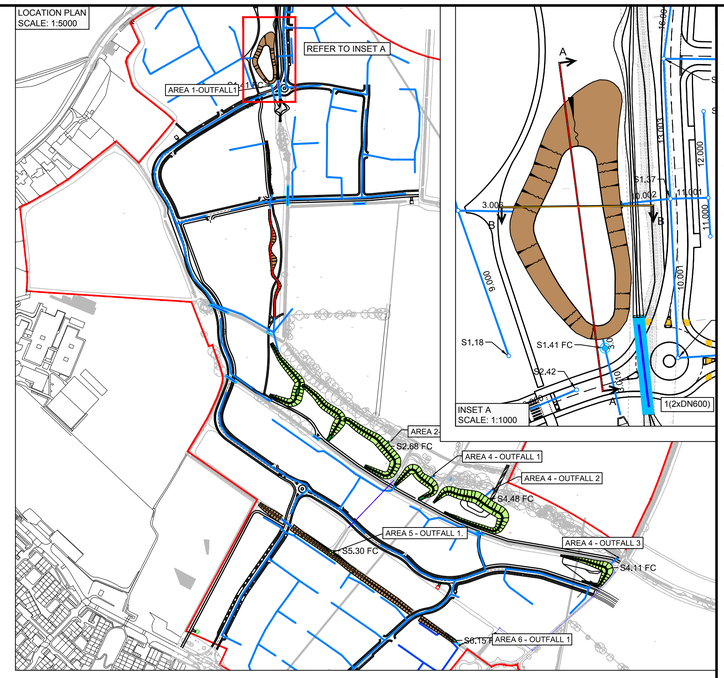
DO NOT SCALE

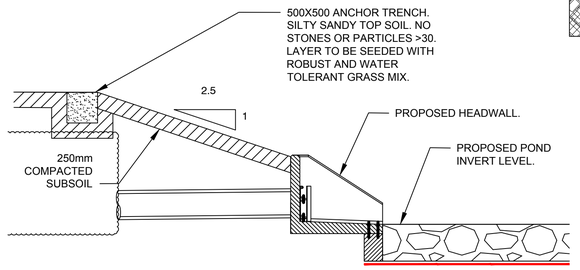
POND 1 LONGSECTION (A-A)
SCALE V. 1:250 / H. 1:50
MAX. WATER LEVEL = 1.162m
OUTFALL = 95.200m



POND 1 CROSS SECTION (B-B)
SCALE V. 1:250 / H. 1:50
MAX. WATER LEVEL = 1.158m
OUTFALL = 95.200m







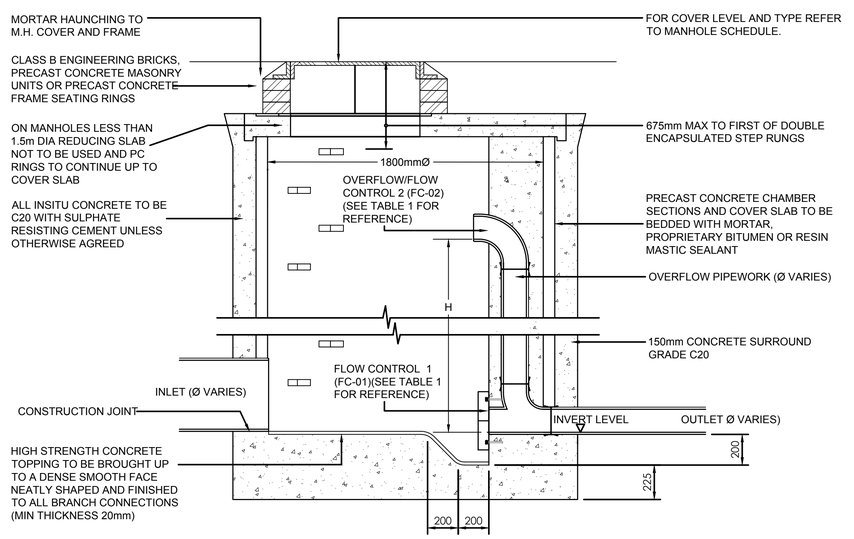
TYPICAL POND INLET/OUTLET DETAIL (NTS)

Catchment	Greenfield Conditions			Networks											
	Required Discharge rates (lit/s)			Outfall - Flow control system							Discharge rates(Q)/ Water levels(WL)					
											Q1 in 1		Q1 in 30		Q1 in 100	
	Q1 in 1	Q1 in 30	Q1 in 100	Outfall number	DS Pipe number	Manhole number	Cover Level	Invert Level	Flow control Ref.	Type	Depth Above Invert(mm)	Q	WL	Q	WL	Q	WL
Area 1	5.14	13.65	18.95	Outfall 1	13.010	S1.41 FC	96.700	95.199	FCO1-01	Hydrobrake	150	5.00	95.426	6.30	95.922	17.50	96.358
									FCO1-02	Ø225mm Pipe	930						

TABLE 1 - DISCHARGE DETAILS

Detention Basin 1			
Depth(m)	Area(m²)	Estimated Volume(m³) (A1+A2)/2 x H	Cumulative Volume(m³)
0.000	1231.0	0.0	0.0
0.150	1287.0	188.9	188.9
0.250	1330.0	320.1	509.0
0.500	1433.0	345.4	854.4
0.750	1542.0	371.9	1226.2
1.000	1655.0	399.6	1625.9
1.250	1772.0	428.4	2054.2
1.500	1895.0	2054.2	2054.2

TABLE 2 - POND VOLUME DETAILS



SECTION THROUGH FLOW CONTROL MANHOLE
SCALE 1:20

GENERAL NOTES

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

KEY

- CROSS/LONGITUDINAL SECTION
- EXISTING GROUND PROFILE
- PROPOSED GROUND PROFILE
- 1 IN 1 STORM WATER PROFILE
- 1 IN 30 STORM WATER PROFILE
- 1 IN 100 +30% CC STORM WATER PROFILE

REV	DATE	DESCRIPTION	BY	CHK	APP
I01	22.03.19	FIRST ISSUE	JBW	PV	DJ

REVISIONS

DRAWING STATUS: INFORMATION

CLIENT: REDROW

PROJECT: GREAT WILSEY PARK

TITLE: POND 1 DETAILS

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DRAWN	CHECKED	APPROVED
JBW	PV	DJ
DATE	SCALE AT A1	PROJECT NUMBER
MAR-19	AS SHOWN	PB8301

DRAWING No. PB8301-RHD-DE-H1-DR-D-0550 REVISION I01