

<div><div></div><div>RWO</div></div>		SCH001 - Foundation Schedule				Project ref 21201	Rev 3 30/05/2022
		Waters Edge, Whitehaven				Prepared by: MB	Checked By: RK

FOUNDATION SCHEDULE NOTES

GEOTECHNICAL INFORMATION:

GROUND INVESTIGATION REPORT BY:

FWS

REPORT REFERENCE :

81900R03Rev01

REPORT DATE:

Mar-20

REPORT REVISION:

Rev - 1

FOUNDATION RECCOMENDATIONS:

Strip or trench fill foundations taken through made ground and softened clays onto underlying firm / stiff clays, except as noted below:  
East side of site - strip or trench fill foundations through made ground onto sandstone or suitable sands (TBC).  
Plots 14, 15, 17 to 20, and 29 - Deep trench fill or raft foundations on re-engineered fill - **subject to additional SI**

FOUNDATION BEARING CAPACITY:

600mm wide strip foundations bearing onto suitable natural bearing strata can support an allowable bearing pressure of 100kN/m2

SITE GAS CLASSIFICATION:

Characteristic Situation 2 (also, hydrocarbon resistant membrane required along soth / south west boundary)

CONCRETE CLASS CLASSIFICATION:

Sulphate Class DS-2, ACEC Classification AC-2

FOUNDATION REINFORCING REQUIRED:

Allow for B385 mesh in plots where variable bearing strata is encountered

PLASTICITY INDEX:

Low volume change potential cohesive soil

GROUND FLOOR:

G-Deck suspended floors for all houses and Beam & block for all garages

TOPGRAPHICAL INFORMATION:

TOPOGRAPHICAL SURVEY BY:

Gibson Surveyinh & Mapping

SURVEY REFERENCE:

GH/WE/TS01

SURVEY DATE:

14/08/2019

SURVEY REVISION:

Rev -

CIVIL ENGINEERING INFORMATION:

CIVIL ENGINEERING DRAWING BY:

RWO Associates Ltd

DRAWING REFERENCE:

D001

DRAWING DATE:

12/08/2022

DRAWING REVISION:

Rev - 1

ARBORICULTURE INFORMATION:

ARBORICULTURE REPORT BY:

Westwood Landscape

REPORT REFERENCE:

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REPORT DATE:

23/03/2022

REPORT REVISION:

-

GENERAL NOTES:

ALL FORMATION LEVELS ARE INTERPOLATED BETWEEN BOREHOLE LOCATIONS AND ARE FOR GUIDANCE ONLY. FINAL FORMATION DEPTHS ARE TO BE APPROVED BY LA BUILDING CONTROL AND/ OR NHBC INSPECTOR

ANY FOUNDATIONS IN AREA WHERE EXISTING FOUNDATIONS FROM DEMOLISHED BUILDINGS ARE PRESENT ARE TO BE TAKEN BELOW THE LEVEL OF THE EXISTING FOUNDATION TO APPROVED NATURAL STRATA

MAXIMUM STEPS IN TRENCH FILL FOUNDATION TO BE 450mm AND SPACED EQUALLY ALONG FOUNDATION

ANY EXISTING FOUNDATIONS OR BURIED STRUCTURES FOUND DURING CONSTRUCTION TO BE GRUBBED OUT

SUSPENDED SLABS ARE TO BE USED WHERE FILL EXCEEDS 600mm / WHERE TWO BEARING MATERIALS ARE PRESENT AT FORMATION DEPTH/ NOTED ABOVE

HEAVE PROTECTION TO BE PROVIDED IN ACCORDANCE WITH NHBC STANDARDS CHAPTER 4.2 IF TREE INFULENCE IS GREATER THAN 1,5m

SUSPENDED FLOORS TO HAVE MINIMUM VOID BELOW EQUAL TO 200mm

THIS SCHEDULE RELATES TO FOUNDATION DESIGN ONLY. REFER TO FWS SI REPORT FOR DETAILS OF ALL OTHER CONSIDERATIONS ON THE SITE

IF BEDROCK ENCOUNTERED AT FORMATION LEVEL, FULL EXTENT OF PLOT AND ANY ADJOINING PLOTS ALSO TO BE TAKEN DOWN TO BEDROCK

POTENTIAL FOR PERCHED GROUNDWATER LEADING TO UNSTABLE EXCAVATIONS - CONTRACTOR TO TAKE NECESSARY MEASURES

IF UNSURE PLEASE INFORM STRUCTURAL ENGINEER

REV 3 - UPDATED TO SUIT DISCUSSIONS WITH CLIENT & TREE INFLUENCE AMENDED

COLOUR FORMATTING:

Foundation depth 0.75m - 1.75m (from FFL)

Foundation depth 1.75m - 2.50m (from FFL)

Foundation depth -2.50m - 3.25 (from FFL)

Foundation depth +3.25m (from FFL)

KEY PLAN - REFER TO SCH002 FOR FULL KEY PLAN

2

3

1

4

Front of House

2

3

4

5

6


1

Front of House

Key

RS= Reinforced Strip foundation - SF =Strip foundation (depending on founding strata) - TF = Trench Fill - RS / TF i.e. Reinforced Strip over Trench Fill foundation

Floor type: B&B = Beam & Block - GB = Ground bearing Slab - IS = Insitu-Suspended Ground Floor Slab - SUSP = Suspended Floor - G-DECK = Proprietary suspended floor

<div></div>										SCH001 - Foundation Schedule																		Project ref	Sheet No. 2			
										Waters Edge, Whitehaven																		21201	30/05/2022			
																												Prepared by: MB	Checked By: RK			
rev	Plot number	House type	Handling	Finished floor level	Approx original GL at corners						Depth from EGL to anticipated formation level at corners						Depth from FFL to anticipated formation level at corners						Reinforcement Required [Y/ N]	ApproxCut/ Fill (Fill +ve, Cut -ve)	Exposed Brick [Y/N]	Foundations influenced by Tree [Y/N]	Heave Protection Required [Y/N]	Gas Protection [Y/N]	Foundation type	Ground Floor Type	Comments	
					1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6									Note all corner levels are shown looking from the front of the property (starting LH front going clockwise) (Refer to key plans)	
	1	254	OPP	94.775	94.450	94.400	93.900	94.100			0.750	0.750	0.750	0.750			1.08	1.13	1.63	1.43			N	0.73	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 450mm EXPOSED BRICKWORK (CORNERS 3 & 4).	
	2	254	AS	94.925	94.450	94.000	94.500	94.450			0.800	0.800	0.800	0.800			1.27	1.72	1.22	1.27			N	0.80	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 3 & 4).	
	3	254	AS	95.000	94.500	94.350	94.400	94.500			0.750	0.750	0.750	0.750			1.25	1.40	1.35	1.25			N	0.51	N	N	N	Y	SF/TF	G-DECK	STRIP INTO GRANULAR (STRENGTH TO BE VERIFIED)	
	4	341	AS	95.000	94.600	94.500	94.400	94.450			1.100	1.100	1.100	1.100			1.50	1.60	1.70	1.65			N	0.47	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING INTO SANDSTONE BEDROCK	
	5	301	OPP	95.000	94.600	94.550	94.550	94.600			0.750	0.750	0.750	0.750			1.15	1.20	1.20	1.15			N	0.32	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING INTO SANDSTONE BEDROCK. 225mm EXPOSED BRICKWORK (CORNER 1).	
	6	309	AS	95.000	94.600	94.500	94.550	94.600	94.600	94.600	0.750	0.750	0.750	0.750	0.750	0.750	1.15	1.25	1.20	1.15	1.15	1.15	N	0.36	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING INTO SANDSTONE BEDROCK 300mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	7	341	OPP	94.850	94.500	94.550	94.550	94.600			0.750	0.750	0.750	0.750			1.10	1.05	1.05	1.00			N	0.21	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING INTO SANDSTONE BEDROCK.	
	8	435	AS	94.580	94.500	94.650	94.550	94.500			0.820	0.970	0.870	0.820			0.90	0.90	0.90	0.90			N	-0.05	N	N	N	Y	SF	G-DECK	STRIP FOOTING INTO SANDSTONE BEDROCK.	
	9	341	AS	95.075	95.850	95.900	94.350	94.350			1.675	1.725	1.000	1.000			0.90	0.90	1.72	1.72			N	0.57	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	10	309	AS	95.225	94.400	94.400	94.400	94.600	94.400	94.450	1.300	1.300	1.300	1.300	1.300	1.300	2.12	2.12	2.12	1.92	2.12	2.07	N	0.70	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	11	301	OPP	95.225	94.750	94.400	94.500	95.100			1.300	1.300	1.300	1.300			1.77	2.12	2.02	1.42			N	0.68	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 225mm EXPOSED BRICKWORK (CORNER 1).	
	12	304	OPP	95.225	95.100	94.850	94.750	95.050			0.800	0.800	0.800	0.800			0.92	1.17	1.27	0.97			N	0.33	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	12	GAR		95.075	95.000	94.850	94.850	95.000			0.825	0.800	0.800	0.825			0.90	1.02	1.02	0.90			N	0.07	N	N	N	Y	SF/TF	B&B	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	13	360	AS	95.150	94.600	94.700	94.700	94.650			0.750	0.750	0.750	0.750			1.30	1.20	1.20	1.25			N	0.38	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING INTO SANDSTONE BEDROCK. 300mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	13	GAR		95.000	94.750	94.700	94.700	94.750			0.750	0.750	0.750	0.750			1.00	1.05	1.05	1.00			N	0.16	N	N	N	Y	SF/TF	B&B	STRIP FOOTING INTO SANDSTONE BEDROCK.	
	14	341	AS	95.300	94.700	94.700	95.000	94.900			3.200	3.200	3.200	3.200			3.80	3.80	3.50	3.60			N	0.47	Y	Y	Y	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	15	435	AS	95.525	95.000	95.100	95.450	95.250			3.500	3.500	3.500	3.500			4.03	3.93	3.58	3.78			N	0.40	Y	Y	Y	Y	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK
	16	360	AS	95.900	95.300	95.550	95.700	95.750			0.900	1.250	1.250	0.750			1.50	1.60	1.45	0.90			N	0.45	Y	Y	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	16	GAR		95.750	95.800	95.700	95.800	95.850			0.950	1.250	0.950	1.000			0.90	1.30	0.90	0.90			N	-0.09	N	Y	N	Y	SF/TF	B&B	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	17	341	AS	96.125	95.850	95.900	95.950	95.900			2.000	2.000	2.000	2.000			2.27	2.22	2.18	2.22			N	0.15	Y	N	N	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	18	304	OPP	96.125	95.700	95.850	95.750	95.500			2.000	2.000	2.000	2.000			2.43	2.27	2.38	2.63			N	0.50	Y	N	N	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	18	GAR		95.975	95.800	95.950	95.850	95.700			2.000	2.000	2.000	2.000			2.17	2.02	2.12	2.27			N	0.11	N	N	N	Y	TBC	B&B	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	19	301	AS	95.825	96.650	95.600	95.500	96.300			2.000	2.000	2.000	2.000			1.18	2.22	2.33	1.52			N	0.16	N	N	N	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	20	301	OPP	95.825	96.300	95.500	95.400	95.450			2.000	2.000	2.000	2.000			1.52	2.33	2.43	2.38			N	0.29	N	N	N	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	21	301	AS	95.600	95.450	96.650	96.550	95.250			1.200	1.950	1.850	1.200			1.35	0.90	0.90	1.55			N	0.18	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	22	301	OPP	95.600	95.250	96.550	96.450	95.250			1.200	1.850	1.900	1.200			1.55	0.90	1.05	1.55			N	0.18	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 3 & 4).	

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Waters Edge, Whitehaven																															Prepared by: MB	Checked By: RK
rev	Plot number	House type	Handling	Finished floor level	Approx original GL at corners						Depth from EGL to anticipated formation level at corners						Depth from FFL to anticipated formation level at corners						Reinforcement Required [Y/ N]	ApproxCut/Fill (Fill +ve, Cut -ve)	Exposed Brick [Y/N]	Foundations influenced by Tree [Y/N]	Heave Protection Required [Y/N]	Gas Protection [Y/N]	Foundation type	Ground Floor Type	Comments  Note all corner levels are shown looking from the front of the property (starting LH front going clockwise) [Refer to key plans]	
					1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6										
	23	301	AS	95.000	95.800	96.150	96.050	95.750			1.775	2.050	1.950	1.725			0.97	0.90	0.90	0.97			N	-0.91	Y	N	N	Y	SF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 1 & 4).	
	24	309	OPP	95.000	95.850	96.050	94.550	94.350	95.200	95.600	1.750	1.950	1.200	1.200	1.200	1.500	0.90	0.90	1.65	1.85	1.00	0.90	N	0.48	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 3 & 4).	
	25	341	AS	94.850	96.250	96.450	95.450	94.900			2.300	2.500	1.500	1.500			0.90	0.90	0.90	1.45			N	-0.18	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	26	435	AS	95.000	97.750	97.650	97.850	97.600			3.650	3.550	3.750	3.500			0.90	0.90	0.90	0.90			N	-2.77	N	N	N	Y	SF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	27	435	OPP	95.000	97.600	97.800	97.700	97.550			3.500	3.700	3.600	3.450			0.90	0.90	0.90	0.90			N	-2.69	N	N	N	Y	SF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	28	436	AS	95.375	97.550	97.700	97.600	97.450			3.375	3.525	3.125	2.975			1.20	1.20	0.90	0.90			N	-2.24	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	29	435	OPP	95.375	97.450	97.600	95.300	95.450			2.975	3.125	2.800	2.800			0.90	0.90	2.87	2.72			N	-0.07	N	N	N	Y	TBC	G-DECK	DEEP TRENCH FILL OR RAFT ON RE-ENGINEERED FILL - SUBJECT TO FURTHER SI WORK	
	30	436	OPP	94.250	95.750	95.300	94.600	96.050			2.550	2.100	1.500	2.700			1.05	1.05	1.15	0.90			N	-0.49	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	31	435	AS	94.100	95.600	93.300	95.250	95.700			2.775	1.500	2.050	2.500			1.28	2.30	0.90	0.90			N	0.65	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 525mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	32	436	AS	93.650	93.050	93.050	93.300	95.000			1.500	1.500	1.500	2.250			2.10	2.10	1.85	0.90			N	0.44	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 375mm EXPOSED BRICKWORK (CORNER 1). 525mm EXPOSED BRICKWORK (CORNER 2).	
	33	304	OPP	94.325	93.450	93.150	92.950	93.550			1.400	1.400	1.400	1.400			2.28	2.58	2.78	2.18			N	1.23	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	33	GAR		94.025	93.150	93.100	92.950	93.100			1.400	1.400	1.400	1.400			2.28	2.33	2.48	2.33			N	0.91	Y	N	N	Y	SF/TF	B&B	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 450mm EXPOSED BRICKWORK (CORNERS 2 & 3).	
	34	301	AS	94.250	94.200	92.700	92.700	94.950			1.000	0.750	0.750	1.675			1.05	2.30	2.30	0.97			N	1.41	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 1 & 2). 225mm EXPOSED BRICKWORK (CORNER 4).	
	35	309	OPP	94.250	94.800	92.700	92.750	95.200	95.000	94.900	1.450	0.750	0.750	1.850	1.650	1.550	0.90	2.30	2.25	0.90	0.90	0.90	N	1.41	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	36	360	AS	94.250	95.300	92.800	92.900	95.500			1.950	0.750	0.750	2.150			0.90	2.20	2.10	0.90			N	1.31	N	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	36	GAR		94.100	95.200	92.900	92.950	95.150			2.000	0.750	0.750	1.950			0.90	1.95	1.90	0.90			N	1.04	N	N	N	Y	SF/TF	B&B	STRIP FOOTING THROUGH MADE GROUND INTO CLAY	
	37	341	AS	94.325	95.650	93.000	93.000	95.500			2.225	0.750	0.750	2.225			0.90	2.08	2.08	1.05			N	1.18	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 3 & 4).	
	38	201	AS	94.325	94.850	93.150	93.350	94.400			1.575	1.300	1.300	1.300			1.05	2.47	2.27	1.22			N	1.04	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 1 & 2).	
	39	201	OPP	94.325	94.400	93.350	94.000	95.450			1.300	1.300	1.300	2.175			1.22	2.27	1.63	1.05			N	0.83	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNERS 3 & 4).	
	40	341	AS	94.475	95.550	94.150	93.650	94.650			2.050	0.750	0.750	1.075			0.97	1.07	1.57	0.90			N	0.67	Y	N	N	Y	SF/TF	G-DECK	STRIP FOOTING THROUGH MADE GROUND INTO CLAY. 300mm EXPOSED BRICKWORK (CORNER 2). 225mm EXPOSED BRICKWORK (CORNER 1).	