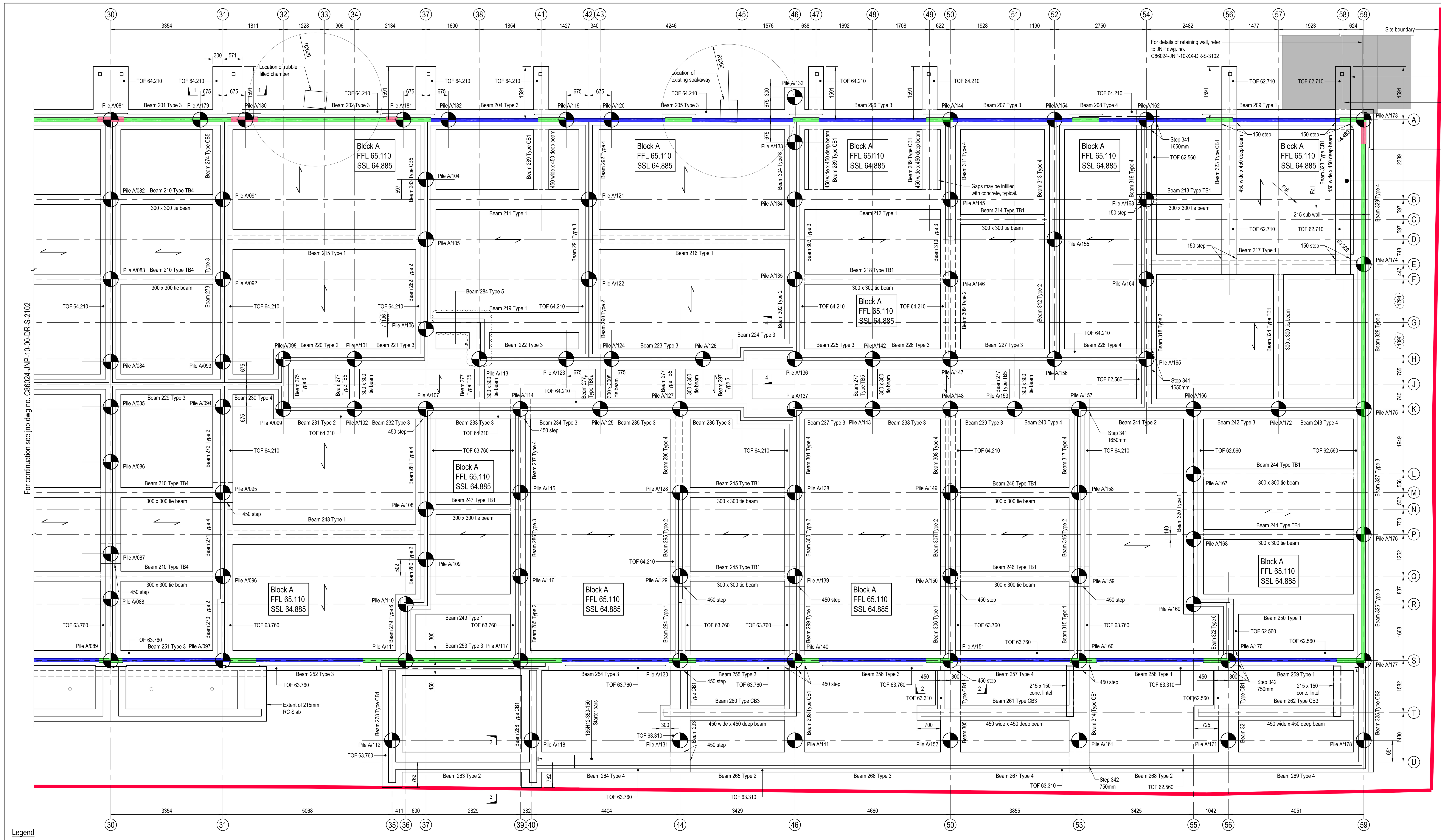


Legend

- Denotes span of 175 beam and block floor
- Denotes 150mm cavity width
- Denotes 125mm cavity width
- Denotes 100mm cavity width
- Denotes location of 50mm Claymaster compressible material
- Denotes sleeper wall.
- Denotes location of step in soffit of foundation.
- 300 step — Denotes location of step in top of foundation.
- TOF — Denotes top of foundation level

For locations of service lintels and openings refer to Architect's drawings.

Ground floor loadings

Beam and block self weight	2.40 kN/m²
Screed (75mm)	1.90 kN/m²
Finishes	0.20 kN/m²
Partition allowance	1.00 kN/m²
Imposed (Domestic)	1.50 kN/m²
Bin/cycle store	2.50 kN/m²
Communal areas	3.00 kN/m²

For location of water, gas, electric and telecommunication service entries refer to Architect's drawings.

All Ground Beams to be 600 wide x 600 deep, unless noted otherwise.
All beams to be central about grid lines, unless noted otherwise.

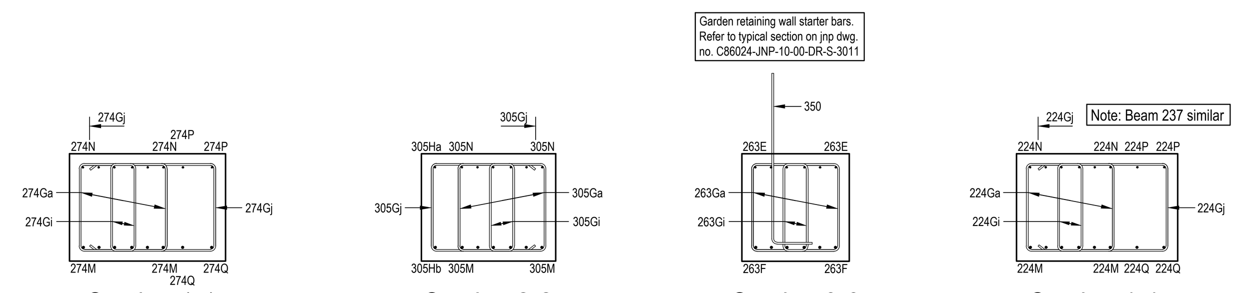
Refer to drawing number C86024-JNP-XX-ZZ-DR-S-1001 for Construction Notes.

Refer to drawing number C86024-JNP-10-00-DR-S-3001 for Standard Reinforcement Details.

Refer to drawing numbers C86024-JNP-10-00-DR-S-3011 to 3013 for Foundation Sections.

50mm cover to all ground beam reinforcement.

Note: Pile cut-off levels have been calculated using the following floor thickness information:-
Residential:
Finish = 225mm
Beam & block floor = 175mm
Top of Foundation to Underside of floor = 500mm
Ground beam = 600mm (minus 50 cover)
FFL to pile cut off
Ground beam = 1.450m (typical)
Contractor to confirm depths of finishes prior to work proceeding.



Section 1-1 (Scale 1:25)

Section 2-2 (Scale 1:25)

Section 3-3 (Scale 1:25)

Section 4-4 (Scale 1:50)

It shall be the responsibility of the contractor to check bending schedules against the drawings prior to the ordering of the reinforcement and to notify the engineer of any discrepancies.

Reinforcement listed on schedule no. B2102 sheets 1-34 inc.

Suggested building sequence for retaining wall 2 & ground beams (sequence excludes drainage and services for clarity):

1. Installation of piles
2. Installation of retaining wall 2 in proximity of block A
3. Installation of ground beams on block A
4. Installation of sub-walls to U/S of beam and block floor
5. Backfill both sides of sub-walls with a maximum difference in level of 500mm
6. Once backfill is to required/formation levels - Install beam and block floor

Grid setting out — Block A

Grid ref.	Eastings (m)	Northings (m)
A1	509544.708	195867.261
A59	509470.300	195876.828
S1	509546.774	195883.326
S59	509472.365	195892.893

Void former

Void former (Cellcore, or similar) to be provided to soffits of all foundations - ground beams & pile caps.

Element	Depth	Type	Grade
Ground beams (300 dp)	155mm	HX B	9/13
Ground beams (450 dp)	155mm	HX B	13/18
Ground beams (600 dp)	155mm	HX B	18/24

Refer to 'Pile cap and ground beam notes' & sections.

Pile Data - Block A

Pile No.	Pile Load (kN)	Pile Dia. (mm)	Pile cut-off Level (m)	Pile Length (m)	Eastings (m)	Northings (m)
Pile A/001	600		63.660		509544.708	195867.261
Pile A/002	800		63.660		509545.260	195871.557
Pile A/003	775		63.660		509545.813	195875.853
Pile A/004	775		63.660		509546.292	195879.579
Pile A/005	475		63.660		509546.774	195883.326
Pile A/006	400		63.660		509543.287	195876.177
Pile A/007	525		63.660		509542.755	195883.842
Pile A/008	725		63.660		509540.761	195876.502
Pile A/009	575		63.660		509541.009	195878.435
Pile A/010	550		63.660		509541.258	195880.368
Pile A/011	625		63.660		509541.506	195882.300
Pile A/012	675		63.660		509538.255	195868.090
Pile A/013	625		63.660		509538.560	195870.460
Pile A/014	725		63.660		509538.864	195872.830
Pile A/015	625		63.660		509539.169	195875.200
Pile A/016	700		63.660		509537.364	195876.939
Pile A/017	550		63.660		509537.683	195879.423
Pile A/018	525		63.660		509538.002	195881.907
Pile A/019	550		63.660		509538.324	195884.412
Pile A/020	525		63.660		509535.527	195868.441
Pile A/021	725		63.660		509535.984	195871.996
Pile A/022	675		63.660		509536.441	195875.550
Pile A/023	275		63.660		509535.452	195877.185
Pile A/024	675		63.660		509532.435	195868.839
Pile A/025	700		63.660		509532.740	195871.208
Pile A/026	700		63.660		509533.045	195873.578
Pile A/027	700		63.660		509533.349	195875.948
Pile A/028	550		63.660		509533.540	195877.431
Pile A/029	625		63.660		509533.859	195879.915
Pile A/030	625		63.660		509534.179	195882.399
Pile A/031	650		63.210		509534.501	195884.904
Pile A/032	375		63.660		509531.038	195876.245
Pile A/033	325		63.660		509531.229	195877.728
Pile A/034	800		63.660		509527.813	195869.433
Pile A/035	800		63.660		509528.118	195871.803
Pile A/036	800		63.660		509528.423	195874.172
Pile A/037	800		63.660		509528.727	195876.542
Pile A/038	750		63.660		509528.918	195878.025
Pile A/039	750		63.660		509529.237	195880.509
Pile A/040	750		63.210		509529.557	195882.993
Pile A/041	725		63.210		509529.879	195885.498
Pile A/042	575		63.660		509526.006	195876.892
Pile A/043	450		63.660		509524.757	195869.826
Pile A/044	750		63.660		509525.517	195878.462
Pile A/045	625		63.660		509525.836	195880.946
Pile A/046	625		63.210		509526.155	195883.431
Pile A/047	675		63.210		509526.478	195885.935
Pile A/048	800		63.660		509521.701	195870.219
Pile A/049	725		63.660		509522.006	195872.589
Pile A/050	750		63.660		509522.311	195874.958
Pile A/051	525		63.660		509523.285	195877.242
Pile A/052	525		63.660		509521.946	195877.414
Pile A/053	375		63.660		509523.143	195878.767
Pile A/054	750		63.660		509520.770	195879.073
Pile A/055	725		63.660		509521.090	195881.557
Pile A/056	800		63.210		509521.409	195884.041
Pile A/057	775		63.210		509521.731	195886.546
Pile A/058	750		63.660		509519.361	195877.746
Pile A/059	725		63.660		509516.860	195870.841
Pile A/060	600		63.660		509517.088	195872.619
Pile A/061	775		63.660		509517.317	195874.396
Pile A/062	800		63.660		509517.659	195877.058
Pile A/063	775		63.660		509517.964	195879.433
Pile A/064	725		63.660		509518.348	195882.416
Pile A/065	500		63.210		509518.539	195883.904
Pile A/066	600		63.210		509518.115	195885.308
Pile A/067	650		63.210		509518.330	195886.983
Pile A/068	575		63.660		509515.657	195878.223
Pile A/069	325		63.660		509515.848	195879.705
Pile A/070	300		63.660		509513.845	195871.229
Pile A/071	325		63.660		509513.541	195878.495
Pile A/072	325		63.660		509513.732	195879.978
Pile A/073	550		63.660		509510.831	195871.617
Pile A/074	625		63.660		509511.135	195873.986
Pile A/075	700		63.660		509511.440	195876.356
Pile A/076	600		63.660		509511.755	195878.805
Pile A/077	600		63.660		509511.927	195880.144
Pile A/078	775		63.660		509512.255	195882.693
Pile A/079	675		63.210		509512.574	195885.177
Pile A/080	650		63.210		509512.896	195887.682
Pile A/081	650		63.660		509507.504	195872.044
Pile A/082	800		63.660		509507.808	195874.414
Pile A/083	800		63.660		509508.113	195876.784
Pile A/084	800		63.660		509508.428	195879.233
Pile A/085	800		63.660		509508.600	195880.572
Pile A/086	750		63.660		509508.811	195882.208
Pile A/087	550		63.210		509509.161	195884.935
Pile A/088	700		63.210		509509.333	195886.274
Pile A/089	525		63.210		509509.569	195888.110
~~Pile A/090~~	~~550~~		~~63.660~~		~~509504.177~~	~~195872.472~~
Pile A/091	625		63.660		509504.482	195874.842
Pile A/092	700		63.660		509504.786	195877.212
Pile A/093	600		63.660		509505.101	195879.661
Pile A/094	600		63.660		509505.273	195881.000
Pile A/095	775		63.210		509505.601	195883.548
Pile A/096	675		63.210		509505.921	195886.033
Pile A/097	650		63.210		509506.243	195888.537
Pile A/098	325		63.660		509503.295	195879.812
Pile A/099	325		63.660		509503.485	195881.295
~~Pile A/100~~	~~300~~		~~63.660~~		~~509501.162~~	~~195872.860~~
Pile A/101	575		63.660		509501.178	195880.084
Pile A/102	325		63.660		509501.369	195881.567
~~Pile A/103~~	~~725~~		~~63.660~~		~~509498.148~~	~~195873.247~~
Pile A/104	600		63.660		509498.376	195875.025
Pile A/105	775		63.660		509498.605	195876.802
Pile A/106	800		63.660		509498.947	195879.464
Pile A/107	775		63.210		509499.253	195881.839
Pile A/108	725		63.210		509499.636	195884.822
Pile A/109	500		63.210		509499.827	195886.310
Pile A/110	600		63.210		509500.593	195887.561
Pile A/111	700		63.210		509500.809	195889.236
Pile A/112	150		63.210		509501.521	195891.554
Pile A/113	750		63.660		509497.475	195880.561
Pile A/114	750		63.210		509496.447	195882.200
Pile A/115	725		63.210		509496.766	195884.684
Pile A/116	800		63.210		509497.085	195887.169
Pile A/117	800		63.210		509497.408	195889.673
Pile A/118	150		63.210		509497.376	195892.087
Pile A/119	550		63.660		509493.976	195873.784
Pile A/120	725		63.660		509492.637	195873.956
Pile A/121	725		63.660		509493.611	195876.240
Pile A/122	750		63.660		509493.916	195878.609
Pile A/123	525		63.660		509494.890	195880.893
Pile A/124	525		63.660		509493.551	195881.065
Pile A/125	375		63.660		509494.074	195882.505
Pile A/126	575		63.660		509490.830	195881.415
Pile A/127	750		63.660		509491.700	195882.810
Pile A/128	625		63.660		509492.020	195885.295
Pile A/129	625		63.210		509492.339	195887.779
Pile A/130	700		62.760		509492.661	195890.284
Pile A/131	150		62.760		509492.966	195892.654
Pile A/132	500		63.660		509487.108	195873.986
Pile A/133	750		63.660		509487.280	195875.325
Pile A/134	800		63.660		509487.499	195877.025
Pile A/135	800		63.660		509487.804	195879.395
Pile A/136	800		63.660		509488.108	195881.765
Pile A/137	750		63.660		509488.299	195883.248
Pile A/138	750		63.660		509488.618	195885.732
Pile A/139	750		63.210		509488.938	195888.216
Pile A/140	750		62.760		509489.260	195890.721
Pile A/141	150		62.760		509489.565	195893.091
Pile A/142	375		63.660		509485.797	195882.062
Pile A/143	325		63.660		509485.988	195883.545
Pile A/144	675		63.660		509482.572	195875.250
Pile A/145	700		63.660		509482.877	195877.620
Pile A/146	700		63.660		509483.182	195879.989
Pile A/147	700		63.660		509483.486	195882.359
Pile A/148	550		63.660		509483.677	195883.842
Pile A/149	625		63.660		509483.996	195886.326
Pile A/150	625		63.210		509484.316	195888.811
Pile A/151	675		62.760		509484.638	195891.315
Pile A/152	150		62.760		509484.943	195893.686
Pile A/153	275		63.660		509481.765	195884.088
Pile A/154	525		63.660		509479.480	195875.648
Pile A/155	725		63.660		509479.937	195879.202
Pile A/156	675		63.660		509480.394	195882.757
Pile A/157	700		62.010		509479.854	195884.334
Pile A/158	550		63.660		509480.173	195886.818
Pile A/159	525		63.210		509480.492	195889.302
Pile A/160	575		62.760		509480.814	195891.807
Pile A/161	150		62.760		509481.119	195894.177
Pile A/162	675		62.010		509476.753	195875.998
Pile A/163	625		62.010		509477.057	195878.368
Pile A/164	725		62.010		509477.362	195880.738
Pile A/165	625		62.010		509477.667	195883.108
Pile A/166	725		62.010		509476.456	195884.770
Pile A/167	575		62.010		509476.705	195886.703
Pile A/168	550		62.010		509476.953	195888.636
Pile A/169	625		62.010		509477.202	195890.569
Pile A/170	550		62.010		509476.383	195892.377
Pile A/171	200		62.010		509476.688	195894.747
Pile A/172	400		62.010		509473.930	195885.095
Pile A/173	600		62.010		509470.300	195876.828
Pile A/174	800		62.010		509470.852	195881.124
Pile A/175	775		62.010		509471.404	195885.420
Pile A/176	775		62.010		509471.883	195889.146
Pile A/177	575		62.010		509472.365	195892.893
Pile A/178	150		62.010		509472.670	195895.264
Pile A/179	425		63.660		509504.846	195872.386
Pile A/180	425		63.660		509503.507	195872.558
Pile A/181	450		63.660		509498.817	195873.161
Pile A/182	450		63.660		509497.478	195873.333

Note:
1. Pile length to be completed by Contractor.
2. The design of the foundations and loadings to the piles is based upon a pile diameter of 450mm. The piling tenderer/contractor is to inform The Engineer of any proposed variation to this pile diameter.

General Notes

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Health & Safety Note

The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

HAZARD IDENTIFICATION BOX

This table is provided to assist the Principal Contractor to fulfil their obligations under the CDM Regulations 2015

Hazard Ref	Hazard Type (Construction/Maintenance/Cleaning/Demolition/Adaptation)	Hazard Description	Mitigation Measures/ Residual Risk
1			

Rev.	Date	Description	Drn / Chk'd / App'd
E	01-10-20	Ground beam 219 relocated and 284 extended to suit latest layout	SJB / AC / AC
D	15-05-20	Existing rubble filled chamber indicated. Pile 171 load increased. Cavity revised grid 59. Piles 90, 100 & 103 removed, piles 179, 180, 181 & 182 added. Tie beam 276 removed.	SJB / AC / AC
C	14-04-20	Reinforcement details added	SJB / AC / AC
B	13-03-20	Layout revised to latest Architect drawings	SJB
A	24-01-20	Site boundary indicated	SJB / EL / AC

Suitability: A5 - Approved/Stage Complete

Client Logo: RIDGEPOINT HOMES

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Client: Ridgepoint Homes Ltd

Job: Whippendell Road Watford

Title: Block A Foundation plan Sheet 2

Classification:	Scale @ A0:	Date Issued:	Drawn / Eng. Chk / Tech. Chk
FI_60_20	1:50	16-10-19	SJB / AC / EL

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Project - Originator - Volume/System - Level/Location - Type - Discipline - Number
C86024-JNP-10-00-DR-S-2102 — Revision: E
Document/Drawing Number

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JNP Group Internal Project Number: C86024

Complies to ISO7200:2004 - JNP QA Ref: QD019 Rev E