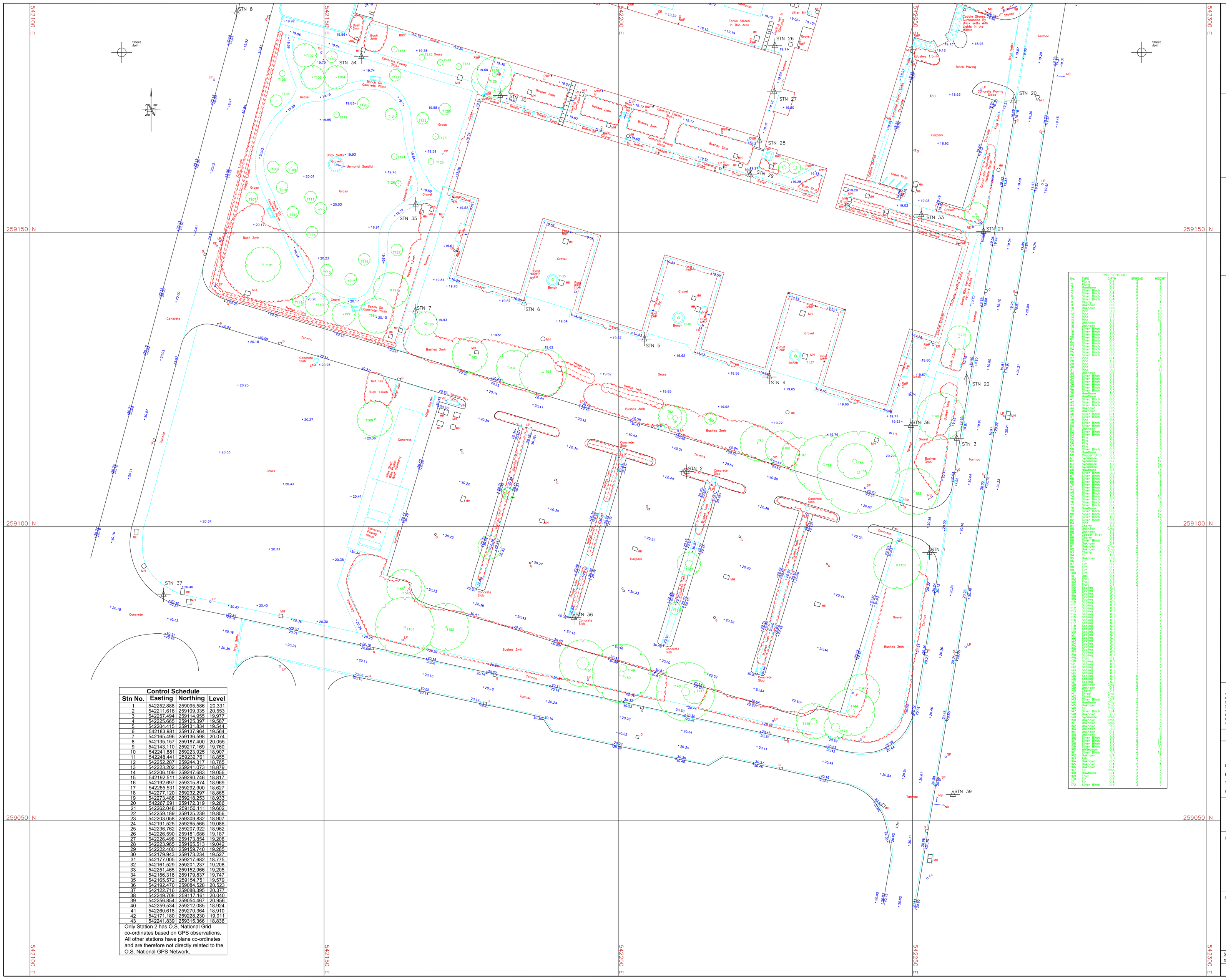

Control Schedule			
Stn No.	Easting	Northing	Level
1	542252.888	259085.586	20.331
2	542211.616	259109.335	20.553
3	542257.494	259114.955	19.977
4	542225.665	259125.397	19.587
5	542204.415	259131.834	19.544
6	542183.881	259137.964	19.564
7	542165.496	259136.598	20.074
8	542135.157	259187.400	20.055
9	542143.110	259217.169	19.760
10	542241.881	259223.925	18.907
11	542248.441	259232.761	18.855
12	542252.287	259244.317	18.765
13	542223.202	259241.073	18.879
14	542206.109	259247.683	19.056
15	542192.511	259290.746	18.817
16	542192.697	259315.874	18.969
17	542285.531	259292.900	18.627
18	542277.120	259232.297	18.865
19	542273.488	259218.253	18.933
20	542267.091	259172.319	19.286
21	542262.048	259150.111	19.602
22	542259.189	259125.239	19.856
23	542203.058	259309.832	18.907
24	542191.525	259265.565	19.086
25	542236.762	259207.922	18.962
26	542226.590	259181.686	19.187
27	542226.498	259173.854	19.208
28	542223.965	259165.513	19.042
29	542222.400	259159.740	19.285
30	542179.943	259173.234	19.527
31	542177.005	259217.682	18.775
32	542161.529	259201.237	19.208
33	542251.465	259152.966	19.205
34	542156.318	259179.837	19.747
35	542165.572	259154.751	19.579
36	542192.470	259084.528	20.523
37	542122.716	259088.395	20.377
38	542249.708	259117.161	20.040
39	542256.854	259054.467	20.956
40	542259.534	259212.085	18.924
41	542260.618	259270.364	18.910
42	542171.180	259228.230	18.011
43	542241.839	259315.366	18.836

Only Station 2 has O.S. National Grid co-ordinates based on GPS observations. All other stations have plane co-ordinates and are therefore not directly related to the O.S. National GPS Network.

TREE SCHEDULE				
No.	TYPE	GIRTH	SPREAD	HEIGHT
1	Pine	0.4	3	7
2	Pine	0.4	3	7
3	Poplar	0.4	3	7
4	Silver Birch	0.4	3	7
5	Silver Birch	0.4	3	7
6	Silver Birch	0.4	3	7
7	Silver Birch	0.4	3	7
8	Unknown	0.6	3	7
9	Unknown	0.6	3	7
10	Unknown	0.6	3	7
11	Pine	0.7	3	10
12	Pine	0.7	3	10
13	Pine	0.7	3	10
14	Pine	0.7	3	10
15	Unknown	0.4	3	7
16	Unknown	0.4	3	7
17	Silver Birch	0.3	3	7
18	Silver Birch	0.3	3	7
19	Silver Birch	0.3	3	7
20	Silver Birch	0.3	3	7
21	Silver Birch	0.3	3	7
22	Silver Birch	0.3	3	7
23	Silver Birch	0.6	3	7
24	Silver Birch	0.6	3	7
25	Silver Birch	0.6	3	7
26	Pine	0.2	3	7
27	Pine	0.2	3	7
28	Pine	0.2	3	7
29	Pine	0.2	3	7
30	Pine	0.2	3	7
31	Pine	0.1	3	7
32	Unknown	0.6	3	7
33	Silver Birch	0.6	3	7
34	Silver Birch	0.6	3	7
35	Silver Birch	0.6	3	7
36	Silver Birch	0.6	3	7
37	Silver Birch	0.6	3	7
38	Silver Birch	0.6	3	7
39	Silver Birch	0.6	3	7
40	Hawthorn	0.3	3	7
41	Silver Birch	0.6	3	7
42	Silver Birch	0.6	3	7
43	Silver Birch	0.6	3	7
44	Unknown	0.4	3	7
45	Unknown	0.4	3	7
46	Silver Birch	0.4	3	7
47	Silver Birch	0.4	3	7
48	Silver Birch	0.4	3	7
49	Silver Birch	0.4	3	7
50	Unknown	0.4	3	7
51	Silver Birch	0.4	3	7
52	Silver Birch	0.4	3	7
53	Pine	0.2	3	7
54	Pine	0.2	3	7
55	Pine	0.2	3	7
56	Pine	0.2	3	7
57	Pine	0.2	3	7
58	Silver Birch	0.2	3	7
59	Hawthorn	0.2	3	7
60	Silver Birch	0.2	3	7
61	Sycamore	0.7	4	12
62	Sycamore	0.7	4	12
63	Sycamore	0.7	4	12
64	Sycamore	0.7	4	12
65	Silver Birch	0.3	3	7
66	Silver Birch	0.3	3	7
67	Silver Birch	0.3	3	7
68	Silver Birch	0.3	3	7
69	Silver Birch	0.3	3	7
70	Silver Birch	0.3	3	7
71	Silver Birch	0.3	3	7
72	Silver Birch	0.6	3	7
73	Silver Birch	0.6	3	7
74	Silver Birch	0.6	3	7
75	Silver Birch	0.6	3	7
76	Silver Birch	0.6	3	7
77	Silver Birch	0.6	3	7
78	Silver Birch	0.6	3	7
79	Silver Birch	0.6	3	7
80	Silver Birch	0.6	3	7
81	Silver Birch	0.6	3	7
82	Silver Birch	0.6	3	7
83	Silver Birch	0.6	3	7
84	Pine	0.2	3	7
85	Cherry	1.5	3	7
86	Unknown	Dmg	3	7
87	Unknown	Dmg	3	7
88	Copper Birch	0.6	3	7
89	Cherry	1.5	3	7
90	Silver Birch	0.2	3	7
91	Unknown	Dmg	3	7
92	Unknown	Dmg	3	7
93	Unknown	Dmg	3	7
94	Cherry	1.5	3	7
95	Fir	0.3	3	7
96	Unknown	0.3	3	7
97	Elm	0.3	3	7
98	Elm	0.3	3	7
99	Elm	0.4	3	7
100	Elm	0.4	3	7
101	Elm	0.4	3	7
102	Fruit	0.6	3	7
103	Fruit	0.6	3	7
104	Fruit	0.6	3	7
105	Sapling	0.1	3	7
106	Sapling	0.1	3	7
107	Sapling	0.1	3	7
108	Sapling	0.1	3	7
109	Sapling	0.1	3	7
110	Sapling	0.1	3	7
111	Sapling	0.1	3	7
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120	Sapling	0.1	3	7
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122	Sapling	0.1	3	7
123	Sapling	0.1	3	7
124	Sapling	0.1	3	7
125	Sapling	0.1	3	7
126	Sapling	0.1	3	7
127	Sapling	0.1	3	7
128	Sapling	0.1	3	7
129	Sapling	0.1	3	7
130	Sapling	0.1	3	7
131	Sapling	0.1	3	7
132	Sapling	0.1	3	7
133	Sapling	0.1	3	7
134	Sapling	0.1	3	7
135	Sapling	0.1	3	7
136	Unknown	Dmg	3	7
137	Unknown	Dmg	3	7
138	Unknown	0.3	3	7
139	Cherry	1.5	3	7
140	Unknown	Dmg	3	7
141	Unknown	Dmg	3	7
142	Fruit	0.6	3	7
143	Silver Birch	0.7	3	7
144	Unknown	Dmg	3	7
145	Unknown	Dmg	3	7
146	Unknown	Dmg	3	7
147	Fir	0.3	3	7
148	Silver Birch	0.3	3	7
149	Unknown	0.3	3	7
150	Hawthorne	0.2	3	7
151	Unknown	Dmg	4	9
152	Unknown	Dmg	4	9
153	Unknown	0.4	3	7
154	Unknown	0.4	3	7
155	Unknown	0.4	3	7
156	Silver Birch	0.6	3	7
157	Silver Birch	0.6	3	7
158	Silver Birch	0.6	3	7
159	Silver Birch	0.6	3	7
160	Silver Birch	0.6	3	7
161	Silver Birch	0.6	3	7
162	Unknown	0.4	3	7
163	Ash	1.1	3	7
164	Unknown	0.3	3	7
165	Unknown	0.4	3	7
166	Unknown	0.4	3	7
167	Unknown	Dmg	3	7
168	Hawthorn	0.2	3	7
169	Fruit	0.6	3	7
170	Fir	0.3	3	7
171	Fir	0.3	3	7
172	Silver Birch	0.5	3	7

CONTROL DATA

Survey stations — STN
Boundary posts — BP

LEVEL DATA

Spot levels — +43.62
Contours — 43
Steep slopes

TREES

1.4.7 Girth (Circumference) ; spread (radius), height
Cmp Clump
Trees shown on this drawing have been identified to the best of the surveyors' ability. Where guaranteed identification of tree species may become important in future, it is the responsibility of the contractor that the services of a specialist arboriculturist be employed. It should be noted that Randall Surveys LLP are not specialists in the field of tree identification.

Datum used : Newlyn. All units are metric.

FEATURES

Fences shown thus
Walls shown thus
Hedges shown thus
Undefined Boundary
Gates

OVERHEAD CABLES

British Telecom
Electric

FENCE TYPES

B/W	Barbed wire	I/R	Iron railing
C/B	Close boarded	P/F	Picket fence
C/I	Corrugated iron	P/R	Post and rail
C/L	Chain link	P/W	Post and wire
C/P	Chestnut paling	W/F	Wooden fence
C/W	Chicken Wire		

ABBREVIATIONS

AV Air valve	ER Earth rod	Ret. Retaining
BB Barbecue beacon	FB Flower bed	RS Road sign
BD Back drop	FE Final effluent	RWP Rain water pipe
BH Borehole	FH Fire hydrant	SC Stop cock
Bld Bollard	FL Floodlight	SL Sump level
BT British Telecom cover	G Gulley	SP Sign post
BTJB BT junction box	GV Gas valve	ST Stand pipe
CATV Cable TV cover	IC Inspection cover	SV Stop valve
CDP Cable draw pit	IL Invert level	SVP Soil vent pipe
CL Cover level	JB Junction box	TCB Telephone call box
CM Cable marker	KD Kerb outlet	TCP Trickle pinning
CNL Cover not located	KO Kerb outlet	TP Tap point
CNL Could not lift	MH Manhole	TP Telegraph pole
CNT Could not trace	Mkr Marker	TPL Top of pipe level
CPL Coping level	NB Name board	TS Traffic signal
DC Drainage Channel	OF Outfall	VP Vent pipe
DK Drop kerb	PB Post box	WL Weir level
EJB Elec. junction box	PM Parking meter	WO Washout
EOR End of record	PS Paving slabs	WM Water meter
EOT End of trace	RC Rising cable	WSC Water stop cock
EP Electricity pole	RE Rodding eye	

IMPORTANT NOTES

The details and information shown hereon relating to underground drains, cables etc, are as obtained by normal field survey observations subject to the restrictions listed in the NJHSC guidelines. Service Co. and sewer records will only have been consulted on specific request and, although all reasonable effort will have been made, no guarantee of accuracy of these records can be given.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed. Where precise sewer details will be critical to the project design we would recommend that entry into the chamber be undertaken using a specialist team, appropriately qualified for confined space entry. These teams can be supplied upon request.

The pipe and cable routes shown on this drawing have been located using electronic surface detection equipment and/or ground penetrating radar, no trial holes have been dug in order to confirm their presence and position. Whilst the information presented is believed to be correct at the time of the survey due care must be taken when any excavation is undertaken on the site. Trace depths are quoted in metres.

The portrayal of a service on this drawing may indicate the presence of multiple cables/pipes. The exact number will only be indicated where this could be accurately determined.

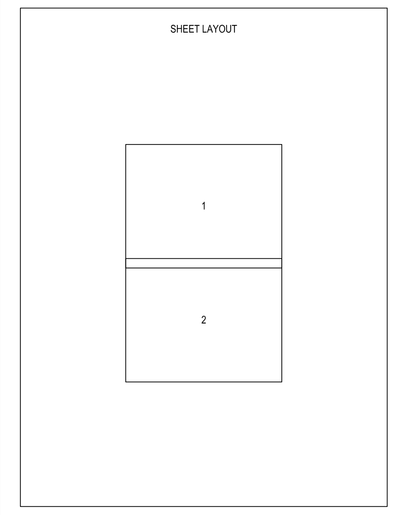
Hatching denotes an area containing possible services which could not be traced electronically or by GPR, where used, but have been abstracted from service drawings.

The plan position and depth of any service portrayed on this drawing is accurate to +/- 10% of the depth of that service.

Where the precise location and/or depth of a service is critical to design and/or construction, trial holes are recommended to confirm the details provided on this drawing.

This drawing should be read in conjunction with any record drawings available from the statutory authorities.

SHEET LAYOUT



NOTES

1. Survey Grid is a plane grid that approximates to the O.S. National Grid; with an origin at Station 2, with co-ordinates derived from the O.S. GPS Network.
2. Levels are related to the O.S. National GPS network.
3. Refer to Drawing No.s 13182/OG/1 & 2 for the Topographic survey.
4. Refer to Drawing No.s 13182/JW3 - 11 for the Floor plans.
5. Refer to Drawing No.s 13182/JW12 - 14 for the Roof plans.
6. Refer to Drawing No.s 13182/JW15 - 17 for the Sections.
7. Refer to Drawing No.s 13182/JW18 - 24 for the Elevations.

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Architectural Building Surveyors
Underground Services Location

THE SURVEY ASSOCIATION

Q M S ISO 9001 REGISTERED FIRM

RICS

PROJECT NAME

BRITISH ANTARCTIC SURVEY

INNOVATION CENTRE, CAMBRIDGE

DRAWING TITLE

EXISTING SITE LAYOUT

SCALE	1/200	DRAWN	OPG	PAPER SIZE	A0
DATE	July 2014	CHECKED	DRD	REVISION	

Dwg No. 13182/OG/2