

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED



ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.

ALL PRIVATE DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 755 BUILDING DRAINAGE AND BUILDING REGULATIONS 2000 APPROVED DOCUMENT H 2002 EDITION. ALL ADOPTABLE DRAINAGE TO COMPLY WITH THE REQUIREMENTS OF BS 5955 ADOPTABLE DRAINAGE AND SEWERS FOR ADOPTION (BRITISH STANDARD) INCLUDING THE RELEVANT PROVISIONS OF THE COMBINED APPENDIX.

ALL MATERIALS UNLESS SPECIFIED OTHERWISE SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES OF MATERIALS ARE TO BE AGREED WITH THE REPRESENTATIVE ENGINEER IN ADVANCE OF THE WORKS.

ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPRESENTATIVE ENGINEER PRIOR TO CONSTRUCTION.

ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF WORKS. ANY SERVICES WHICH ARE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.

TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SOFT IS GREATER THAN 600mm IN LANDSCAPED AREAS AND GREATER THAN 1200mm IN ADOPTABLE HIGHWAYS CLASS 5 (I.E. 10-14mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES UP TO 525 Dia. AND 20-40mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES GREATER THAN 525 Dia)

BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL. BACKFILL TO BE COMPACTED TO A MINIMUM OF 95% COMPACTED MATERIAL. FREE FROM RUBBISH AND ORGANIC MATTER. FROZEN SOIL CLAY LUMPS AND LARGE STONES TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK.

A FLEXIBLE JOINT SHALL BE PROVIDED AS CLOSE AS IS PRACTICABLE TO THE POINT OF ENTRY INTO THE STRUCTURE. THE JOINT SHALL BE SATISFACTORY TO NETWORK FOR DETAILS. THE LENGTH OF THE NEXT MOVEMENT OF THE JOINT. THE LENGTH OF THE NEXT JOINTER PIPEWAY FROM THE STRUCTURE SHALL BE AS SHOWN IN THE TABLE BELOW.

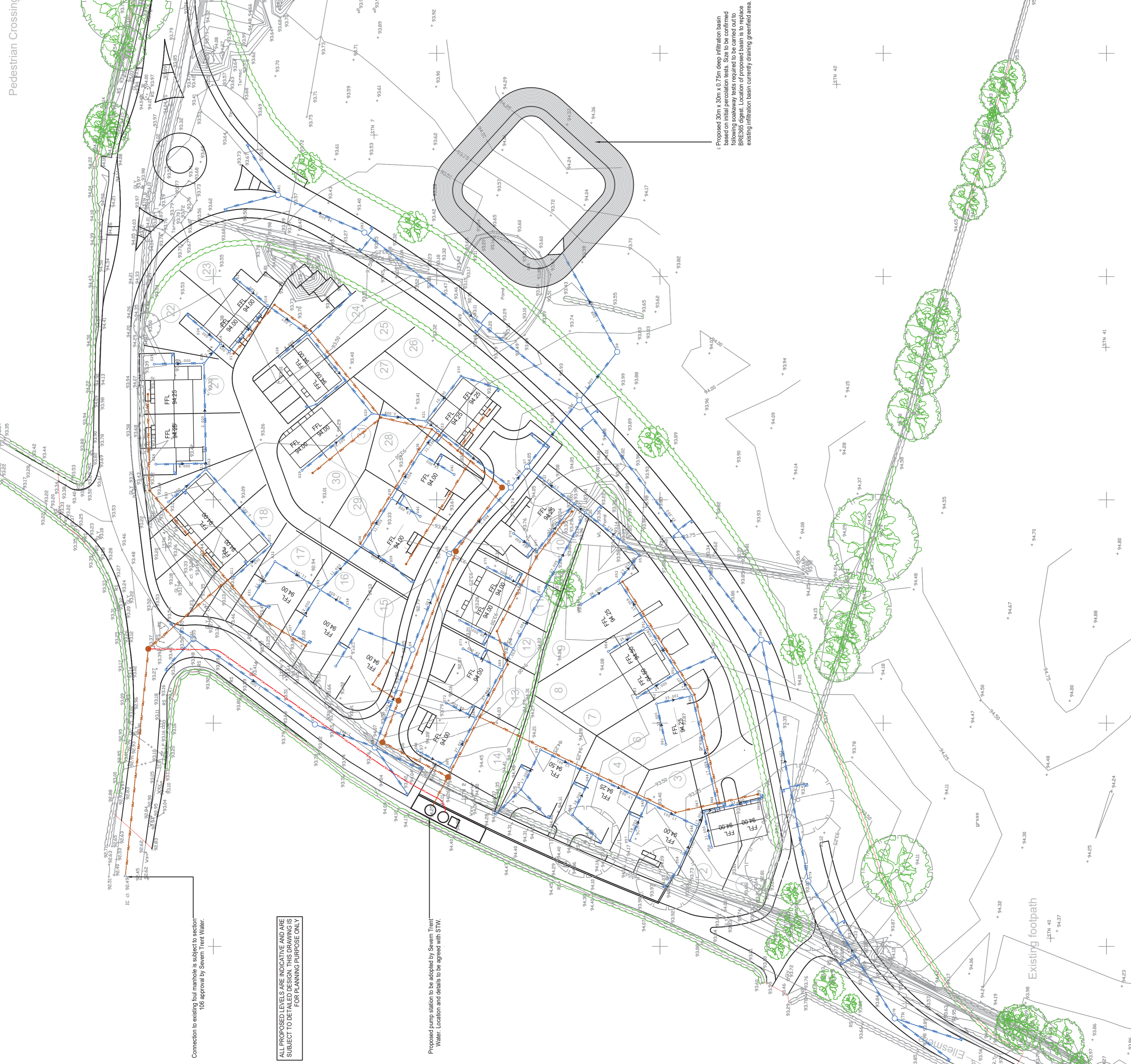
NOMINAL DIAMETER (mm)	EFFECTIVE LENGTH (m)
150-600	0.6

KEY
 PROPOSED SURFACE WATER SEWER. REFER TO NETWORK FOR DETAILS.
 ROADINGS EVE
 FOUL SEWER

Revision Number	By	Check	Date	Suffix
J01718/A1/001				

Drawing Title
BRONINGTON
PLANNING DRAINAGE LAYOUT

Scale at A1 Detailed Approved
 1:500 Tech. Chk JMM Det Chk JMM Date 15.08.2017
 Drawn MFC
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 14-16 High Street, Ironbridge, Shropshire, TF9 7AD
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Storm Network 1	Pipe Code	Diameter (mm)	Gradient (1:1)	Pipe Length	Upstream Manhole Number	Upstream Manhole Invert	Downstream Manhole Number	Downstream Manhole Invert	Cover
1.000	S2	300	33.265	S1	93.10	92.99	94.00	S2	93.80
1.001	S2	225	14.363	S2	92.99	94.90	S3	92.94	93.80
1.002	S3	299	23.478	S3	92.87	93.80	S4	92.79	93.70
1.003	S4	300	22.936	S4	92.79	93.70	S5	92.71	93.60
1.004	S5	300	20.303	S5	92.71	93.60	S6	92.51	94.00
1.005	S6	29	5.905	S6	92.51	94.00	S7	92.31	94.25
1.006	S7	18	1.956	S7	92.31	94.25	S8	92.09	93.70
1.007	S8	27	3.181	S8	92.09	93.70	S9	91.88	93.40
1.008	S9	45	26.164	S9	91.88	93.70	S10	91.76	93.67
2.000	S11	223	11.156	S11	93.40	94.00	S12	93.35	94.00
2.001	S12	225	22.396	S12	93.35	94.00	S13	93.25	94.00
2.002	S13	175	3.027	S13	93.25	94.00	S14	93.23	94.25
2.003	S14	225	20.695	S14	93.23	94.25	S15	93.14	94.25
2.004	S15	225	5.741	S15	93.14	94.25	S16	93.12	94.00
2.005	S16	225	3.173	S16	93.12	94.00	S17	93.10	94.00
2.006	S17	225	13.586	S17	93.10	94.00	S18	92.90	94.00
2.007	S18	225	4.183	S18	92.90	94.00	S19	92.82	94.00
2.008	S19	225	22.867	S19	92.82	94.00	S20	92.82	94.00
2.009	S20	225	12.160	S20	92.82	94.00	S21	92.76	94.25
2.010	S21	42	3.401	S21	92.76	94.25	S22	92.68	94.25
2.011	S22	300	20.756	S22	92.61	94.25	S23	92.51	94.00
3.000	S23	175	11.156	S23	93.40	94.00	S13	93.34	94.00
4.000	S25	225	11.285	S24	93.65	94.25	S15	93.60	94.25
5.000	S25	225	11.156	S25	93.65	94.25	S15	93.60	94.25
6.000	S25	225	13.586	S17	93.10	94.00	S18	92.90	94.00
7.000	S25	225	4.183	S18	92.90	94.00	S19	92.82	94.00
8.000	S25	225	8.156	S28	93.40	94.00	S19	93.36	94.00
9.000	S25	20	1.167	S29	93.40	94.00	S20	93.31	94.00
11.000	S31	225	9.910	S31	93.40	94.00	S32	93.36	94.00
11.001	S32	225	11.985	S32	93.36	94.00	S33	93.30	94.00
11.002	S33	225	13.571	S33	93.30	94.00	S34	93.24	94.00
11.003	S34	225	12.515	S34	93.24	94.00	S35	93.19	94.00
11.004	S35	225	11.970	S35	93.19	94.00	S36	93.16	94.00
12.000	S30	150	10.000	S30	94.00	94.00	S30	94.00	94.00
12.001	S30	150	11.790	S30	94.00	94.00	S30	94.00	94.00
12.002	S30	150	11.767	S37	93.40	94.00	S33	93.35	94.00
13.000	S38	225	7.768	S38	93.40	94.00	S33	93.37	94.00
14.000	S39	225	8.258	S39	93.40	94.00	S34	93.36	94.00
15.000	S40	225	7.529	S40	93.40	94.00	S35	93.37	94.00
16.000	S41	225	9.020	S41	93.40	94.00	S36	93.36	94.00
17.000	S42	225	9.910	S42	93.50	94.00	S43	93.86	94.50
17.001	S43	51	12.604	S43	93.86	94.50	S44	93.61	94.25
17.002	S44	76	12.523	S44	93.61	94.25	S45	93.59	94.00
17.003	S45	76	12.523	S45	93.59	94.00	S46	93.19	94.00
17.004	S46	178	3.568	S46	93.19	94.00	S47	93.17	94.00
17.005	S47	171	3.258	S47	93.17	94.00	S48	93.15	94.00
17.006	S48	225	25.961	S48	93.08	94.00	S49	92.96	94.25
17.007	S49	225	6.115	S49	92.96	94.25	S50	92.94	94.50
17.008	S50	225	12.200	S50	92.94	94.50	S51	92.88	94.50
17.009	S51	225	12.170	S51	92.88	94.50	S52	92.83	94.25
17.010	S52	225	7.415	S52	92.83	94.25	S53	92.80	94.00
17.011	S53	225	13.229	S53	92.80	94.25	S54	92.66	94.25
17.012	S54	300	13.229	S54	92.66	94.25	S55	92.54	94.25
17.013	S55	225	13.392	S55	92.64	94.25	S57	92.58	94.25
18.000	S57	225	9.910	S57	93.65	94.25	S44	93.61	94.25
19.000	S57	225	9.540	S57	93.40	94.00	S45	93.36	94.00
20.000	S58	225	8.832	S58	93.40	94.00	S46	93.36	94.00
21.000	S59	225	8.156	S59	93.40	94.00	S47	93.36	94.00
22.000	S60	225	9.538	S60	93.40	94.00	S48	93.36	94.00
23.000	S61	225	8.134	S61	93.40	94.00	S49	93.36	94.00
24.000	S62	225	12.470	S62	93.31	94.00	S50	93.31	94.00
27.002	S69	225	12.470	S69	93.31	94.00	S51	93.25	94.00
27.003	S69	225	5.300	S69	93.25	94.00	S70	93.23	94.00
27.004	S70	225	13.396	S70	93.23	94.00	S71	93.17	94.00
27.005	S71	225	21.113	S71	93.17	94.00	S54	93.08	94.25
23.000	S62	225	9.315	S61	93.65	94.25	S62	93.61	94.25
23.001	S62	225	8.158	S62	93.61	94.25	S49	93.57	94.25
24.000	S63	225	10.605	S63	93.90	94.50	S50	93.85	94.50
25.000	S64	225	10.136	S64	93.90	94.50	S51	93.85	94.25
25.001	S64	225	1.016	S64	93.90	94.50	S52	93.85	94.25
28.000	S72	225	7.465	S72	93.40	94.00	S68	93.37	94.00
29.000	S73	225	9.910	S73	93.40	94.00	S69	93.36	94.00
30.000	S74	225	13.593	S74	93.40	94.00	S71	93.34	94.00
31.000	S75	225	13.593	S75	93.40	94.00	S71	93.34	94.00
32.000	S76	225	6.600	S76	93.65	94.25	S77	93.62	94.25
32.001	S77	225	13.590	S77	93.62	94.25	S55	93.56	94.25
33.000	S78	225	36.279	S78	92.95	93.79	S79	92.79	93.50
33.001	S79	225	6.979	S79	92.79	93.50	S80	92.79	93.70
34.000	S81	300	21.119	S81	92.85	93.75	S82	92.76	93.50
34.001	S82	225	61.035	S82	92.76	93.50	S82	92.48	93.70

Proposed 30m x 30m x 0.75m deep infiltration basin following soakaway tests required to be carried out to BRE395 digest. Location of proposed basin is to replace existing infiltration basin currently draining greenfield area.

Connection to existing four manholes is subject to location as approved by Severn Trent Water.

Proposed pump station to be adopted by Severn Trent Water. Location and details to be agreed with STW.

ALL PROPOSED LEVELS ARE INDICATIVE AND ARE SUBJECT TO DETAILED DESIGN. THIS DRAWING IS FOR PLANNING PURPOSE ONLY