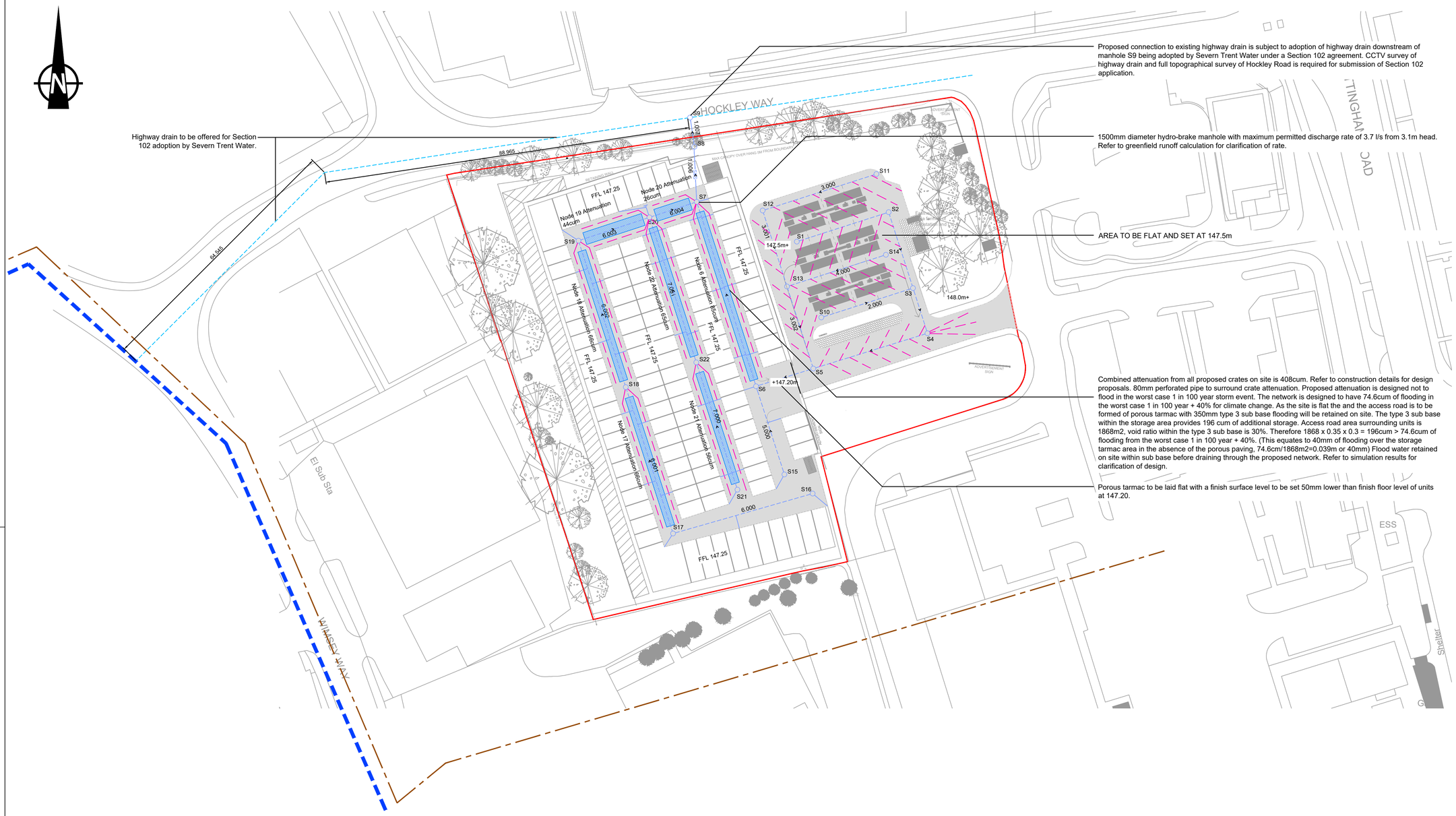
THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED



NOTES:

1. ALL DIMENSIONS IN METRES UNLESS STATED OTHERWISE.
2. ALL PRIVATE DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 752 BUILDING DRAINAGE AND BUILDING REGULATIONS 2010 APPROVED DOCUMENT H 2002 EDITION. ALL ADOPTABLE DRAINAGE TO COMPLY WITH THE REQUIREMENTS OF SEVERN TRENT WATER AND DESIGN AND CONSTRUCTION GUIDANCE (DCG 2020), INCLUDING THE RELEVANT PROVISIONS OF THE COMBINED ADDENDUM.
3. ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES OF MATERIALS ARE TO BE AGREED WITH THE EMPLOYER'S REPRESENTATIVE/ENGINEER IN ADVANCE OF THE WORKS.
4. ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE EMPLOYER'S REPRESENTATIVE/ENGINEER PRIOR TO CONSTRUCTION.
5. ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.
6. TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SOFFIT IS GREATER THAN 600mm IN LANDSCAPED AREAS AND GREATER THAN 1200mm IN ADOPTABLE HIGHWAYS AND 900mm IN OTHER TRAFFICKED AREAS IS TO BE CLASS S (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)
7. BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL, ELSEWHERE BACKFILL TO BE FREE DRAINING READILY COMPATIBLE MATERIAL, FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL CLAY LUMPS AND LARGE STONES, TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK.
8. A FLEXIBLE JOINT SHALL BE PROVIDED AS CLOSE AS IS FEASIBLE TO OUTSIDE FACE OF ANY STRUCTURE INTO WHICH A PIPE IS BUILT, COMPATIBLE WITH THE SATISFACTORY COMPLETION AND SUBSEQUENT MOVEMENT OF THE JOINT, THE LENGTH OF THE NEXT PIPE (ROCKER PIPE) AWAY FROM THE STRUCTURE SHALL BE AS SHOWN IN THE TABLE BELOW.

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

9. SVP AND RWP POINTS TO BE CONFIRMED PRIOR TO CONSTRUCTION
10. IF ANY INFORMATION ON SITE DIFFERS FROM THE DETAILS ON DRAWINGS JNM ENGINEERING LTD MUST BE INFORMED IMMEDIATELY

KEY:

- CRATE TYPE ATTENUATION
- 80mm PERFORATED PIPE
- 1.004 — PERFORATED PIPE REFER TO STORM NETWORK TABLE 1 FOR PIPE DIAMETERS
- S5 — 1200mm DIAMETER TYPE C MANHOLE WITH D400 COVER AND FRAME
- POROUS TARMAC ACCESS ROAD

STORM Network 1

Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Length	Upstream Manhole Number	Upstream Manhole Invert	Upstream Manhole Cover	Downstream Manhole Number	Downstream Manhole Invert	Downstream Manhole Cover
1.000	150	100	23.364	S1	146.027	147.500	S2	145.793	147.500
1.001	150	100	19.307	S2	145.793	147.500	S3	145.600	147.500
1.002	150	100	11.495	S3	145.600	147.500	S4	145.485	147.500
1.003	225	100	28.954	S4	145.410	147.500	S5	145.120	147.500
1.004	225	23	14.530	S5	145.120	147.500	S6	144.475	147.200
1.005	300	200	46.927	S6	144.400	147.200	S7	144.165	147.200
1.006	450	200	13.360	S7	144.015	147.200	S8	143.948	145.000
1.007	450	200	7.429	S8	143.948	145.000	S9	143.911	144.480
2.000	150	100	23.320	S10	145.833	147.500	S3	145.600	147.500
3.000	150	100	28.953	S11	145.887	147.500	S12	145.597	147.500
3.001	150	100	19.326	S12	145.597	147.500	S13	145.404	147.500
3.002	225	100	20.877	S13	145.329	147.500	S5	145.120	147.500
4.000	150	100	25.163	S14	145.656	147.500	S13	145.404	147.500
5.000	225	200	22.443	S15	144.587	147.200	S6	144.475	147.200
6.000	225	200	35.179	S16	144.938	147.200	S17	144.762	147.200
6.001	225	200	37.271	S17	144.762	147.200	S18	144.576	147.200
6.002	300	200	37.271	S18	144.501	147.200	S19	144.315	147.200
6.003	300	200	18.099	S19	144.315	147.200	S20	144.225	147.200
6.004	450	200	12.046	S20	144.075	147.200	S7	144.015	147.200
7.000	225	200	32.407	S21	144.647	147.200	S22	144.485	147.200
7.001	225	200	36.910	S22	144.485	147.200	S20	144.300	147.200

JNM CIVIL ENGINEERING DESIGN CONSULTANTS

Revision Details	By / Check	Date	Suffix
Drainage revised to suit new site layout	CWM/JJM	17.11.26	A

Drawing Number: J02565/A1/001

Revision:

HOCKLEY WAY
ALFRETON

Drawing Title

PROPOSED DRAINAGE LAYOUT

PRELIMINARY

Scale at A1	Detailed		Approved
1:500			James Mewis
Drawn	Tech Chk	Det Chk	Date
CWM	JJM		17.09.26

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