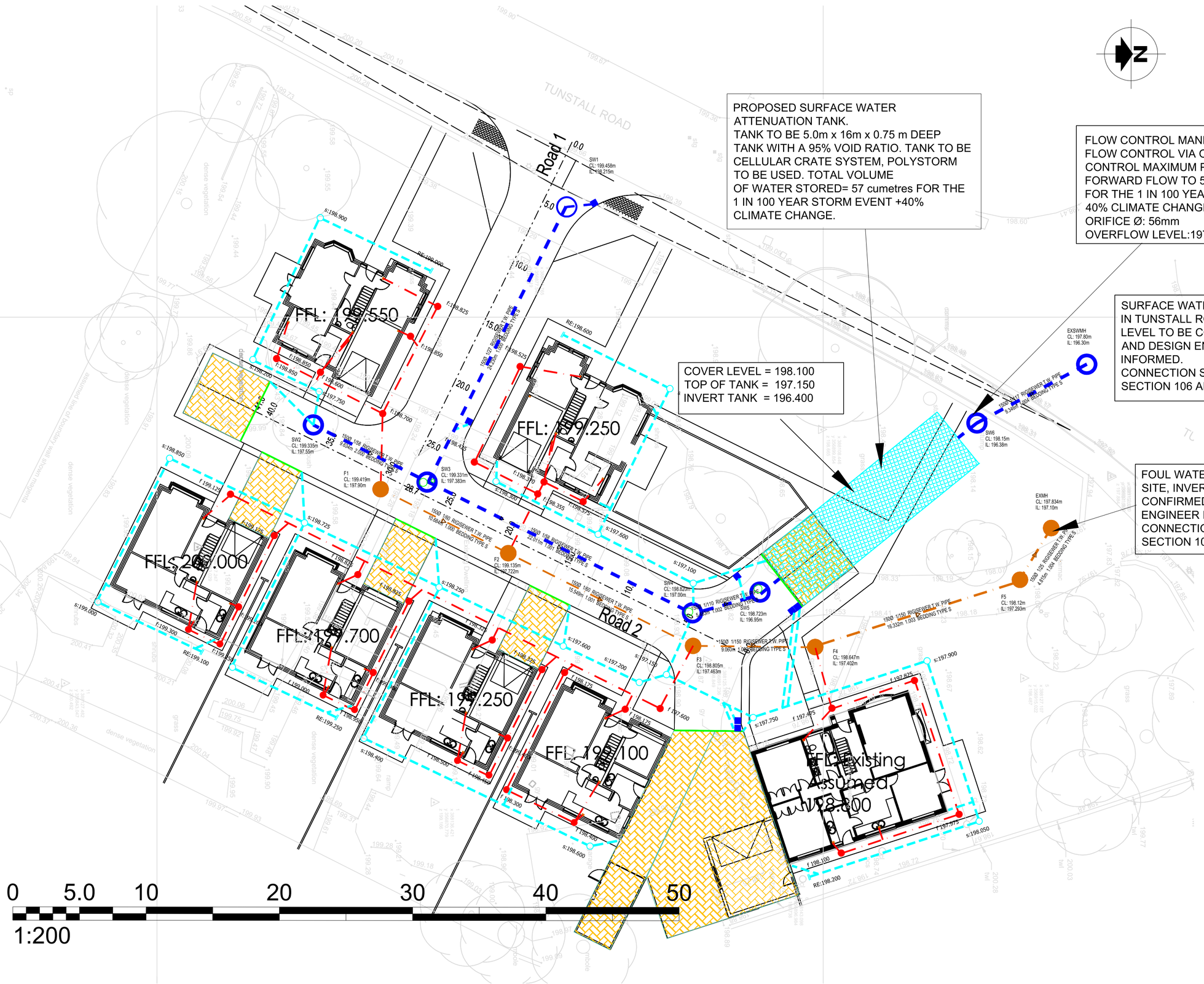


KEY

- PROPOSED FOUL WATER DOMESTIC DRAIN RUN
- PROPOSED SURFACE WATER DOMESTIC DRAIN RUN
- PROPOSED DOMESTIC RODDING EYE
- PROPOSED SURFACE WATER DOMESTIC DRAIN RUN
- PROPOSED FOUL WATER DOMESTIC DRAIN RUN
- PERFORATED PIPE TO CONVEY WATER TEMPORARILY STORED IN STONE BENEATH PERMEABLE PAVING.
- PROPOSED FW DOMESTIC POLYPROPYLENE INSPECTION CHAMBER.
- PROPOSED SW DOMESTIC POLYPROPYLENE INSPECTION CHAMBER.
- PROPOSED PRIVATE CELLULAR ATTENUATION TANK HEPWORTH GEOLIGHT OR SIMILAR
- POROUS BLOCK PAVING TO DRIVES TO CONSIST OF:- 80mm BLOCKS 50mm LAYING COURSE, 6-2mm OF OPEN GRADED CRUSHED ROCK 150mm TYPE 1 STONE LAID ON TERAM 1000 PERMEABLE MEMBRANE 300mm TYPE 3 STONE - TO ACT AS A TEMPORARY STORAGE MEDIUM ASSIST IN BOTH SLOWING FLOWS ENTERING THE DRAINAGE NETWORK AND TO REDUCE POTENTIAL POLLUTANTS SUCH AS HYDROCARBONS, THUS IMPROVING WATER QUALITY IN LINE WITH THE REQUIREMENTS OF THE SuDS MANUAL.

NOTES:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.
2. ALL PRIVATE DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 752 BUILDING DRAINAGE AND BUILDING REGULATIONS 2015 APPROVED DOCUMENT H 2010 EDITION.
3. ALL ADOPTABLE DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF SEWERS FOR ADTOPTION 6th EDITION.
4. 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.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND DETAILS AND CONTRACT DOCUMENTATION
6. ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE EMPLOYER'S REPRESENTATIVE/ENGINEER PRIOR TO CONSTRUCTION.
7. LOCATION AND LEVELS OF EXISTING DRAINAGE RUNS ARE BASED UPON SEWER RECORD PLANS AND MUST BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS.
8. 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.
9. ALL DRAINAGE AND FITTINGS TO BE RIGISEWER T.W., CONCRETE OR PLASTIC, AS APPROVED BY THE APPROPRIATE WATER AUTHORITY. ALL PLASTIC PIPES ARE TO BE TWIN WALL OR SIMILAR APPROVED.
10. TYPICAL PIPE BEDDING TO DRAINAGE WHERE DEPTH TO SOFFIT IS GREATER THAN 900mm IN LANDSCAPED AREAS AND GREATER THAN 1200mm IN TRAFFICKED AREAS IS TO BE CLASS S (I.E. 10-14mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES UP TO 525Ø AND 20 - 40mm GRADED IMPORTED GRANULAR BED AND SURROUND FOR PIPES GREATER THAN 525Ø)
11. WHERE DEPTH TO SOFFIT OF DRAINAGE PIPEWORK IS LESS THAN 900mm IN LANDSCAPED AREAS AND LESS THAN 1200mm IN TRAFFICKED AREAS THEN PIPEWORK IS TO BE PROTECTED 150mm MINIMUM THICK CONCRETE BED & SURROUND.
12. 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 RIGISEWER T.W. LUMPS AND LARGE STONES. TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK.
13. MANHOLE DIAMETERS SHOULD BE IN ACCORDANCE WITH THE TABLE BELOW:

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
LESS THAN 375	1200 *
375-450	1500
500-700	1500
750-900	1800
950-1200	2100

14. 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
675-750	1.0
825 AND OVER	1.25

15. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM.

Rev	Description	Chk'App'd	Date
J	SW1 POSITION AMENDED, GULLY AT ENTRANCE AMENDED.	GS	AUGUST 21
H	SW1 POSITION AMENDED, GULLYS IN ENTRANCE AMENDED.	DW	JULY 21
G	SW1 POSITION AMENDED, GULLYS IN ENTRANCE AMENDED.	DW	JUNE 21
F	'FLOATING' GULLY WITHIN TUNSTALL ROAD REMOVED.	DW	JUNE 21
E	NOTES AMEDNED TO SUIT S7 COMMENTS	DW	MAY 21
D	SURFACE WATER DRAINAGE AMENDED FOUL WATER DRAINAGE AMENDED	GS	APR 21
C	SURFACE WATER DRAINAGE AMENDED FOUL WATER DRAINAGE AMENDED	GS	DEC 20
B	SURFACE WATER DRAINAGE AMENDED FOUL WATER DRAINAGE AMENDED	GB	JULY 20
A	SURFACE WATER DRAINAEG AMENDED	GB	JULY 20

Issue: PRELIMINARY

Client/Architect: J LITTLETON LTD

Contract: RESIDENTIAL DEVELOPMENT TUNSTALL ROAD KNYPERSLEY

Title: DRAINAGE PLAN

KEYTECH DEVELOPMENT DESIGN LTD
RIVERSIDE, MOUNTBATTEN WAY, CONGLETON, CHESHIRE, CW12 1DY
Mobile:07710 199945.e-mail: gary@keytechdesign.co.uk

Date: MAR 2020 Scale: 1:200
Original size: A1
Drawn: HB
Checked: Approved

Drawing No.: K834-102
Revision.: J

MH No.	MANHOLE DIAMETER (mm)	MANHOLE TYPE	COVER LEVEL (m)	INVERT LEVEL (m)	DEPTH TO SOFFIT (m)	EASTING (m)	NORTHING (m)
EXSWMH	1350	Type C	197.80	196.30	1.35	388103.486	356919.779
SW1	1200	Type E	199.565	198.215	1.200	388091.728	356880.726
SW2	1200	Type B	199.335	197.55	1.635	388108.101	356861.736
SW3	1200	Type B	199.331	197.383	1.799	388112.382	356870.367
SW4	1200	Type B	198.820	197.00	1.670	388122.161	356890.085
SW5	1200	Type B	198.723	196.95	1.623	388120.797	356895.396
SW6	1200	Type B	198.15	196.38	1.62	388107.902	356911.542
EXFWMH	1350	Type C	197.834	197.10	0.584	388115.715	356917.252
F1	1350	Type C	199.419	197.90	1.369	388112.908	356866.794
F2	1350	Type C	199.135	197.722	1.263	388117.754	356876.317
F3	1350	Type C	198.805	197.463	1.192	388124.648	356890.253
F4	1350	Type C	198.647	197.402	1.094	388124.558	356899.313
F5	1350	Type C	198.12	197.293	0.677	388119.964	356914.986

