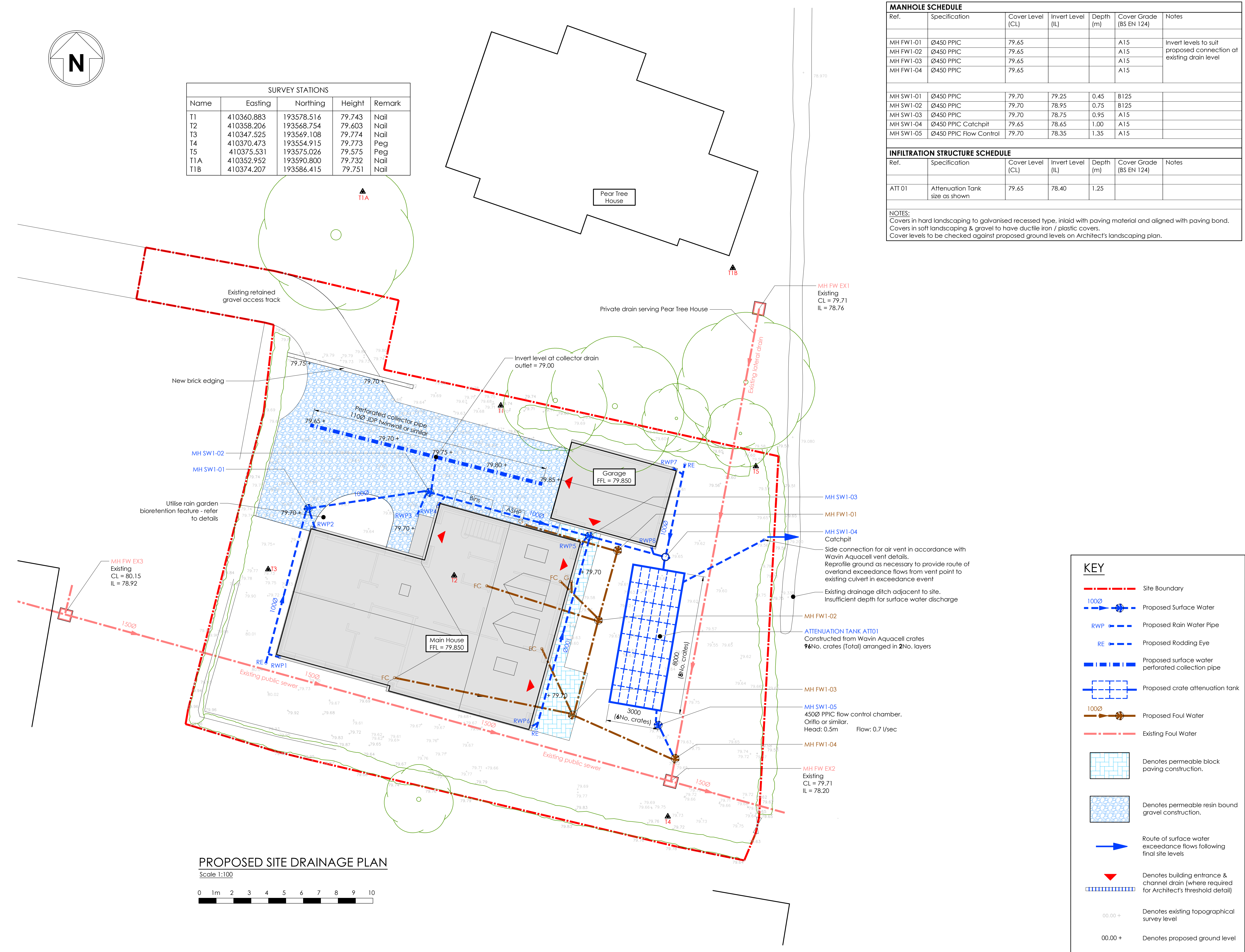
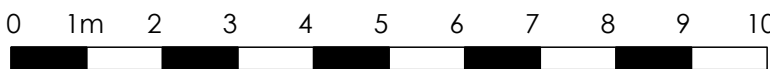


SURVEY STATIONS				
Name	Easting	Northing	Height	Remark
T1	410360.883	193578.516	79.743	Nail
T2	410358.206	193568.754	79.603	Nail
T3	410347.525	193569.108	79.774	Nail
T4	410370.473	193554.915	79.773	Peg
T5	410375.531	193575.026	79.575	Peg
T1A	410352.952	193590.800	79.732	Nail
T1B	410374.207	193586.415	79.751	Nail



PROPOSED SITE DRAINAGE PLAN

Scale 1:100



MANHOLE SCHEDULE						
Ref.	Specification	Cover Level (CL)	Invert Level (IL)	Depth (m)	Cover Grade (BS EN 124)	Notes
MH FW1-01	Ø450 PPIC	79.65			A15	Invert levels to suit proposed connection at existing drain level
MH FW1-02	Ø450 PPIC	79.65			A15	
MH FW1-03	Ø450 PPIC	79.65			A15	
MH FW1-04	Ø450 PPIC	79.65			A15	

MH SW1-01	Ø450 PPIC	79.70	79.25	0.45	B125	
MH SW1-02	Ø450 PPIC	79.70	78.95	0.75	B125	
MH SW1-03	Ø450 PPIC	79.70	78.75	0.95	A15	
MH SW1-04	Ø450 PPIC Catchpit	79.65	78.65	1.00	A15	
MH SW1-05	Ø450 PPIC Flow Control	79.70	78.35	1.35	A15	

INFILTRATION STRUCTURE SCHEDULE						
Ref.	Specification	Cover Level (CL)	Invert Level (IL)	Depth (m)	Cover Grade (BS EN 124)	Notes
ATT 01	Attenuation Tank size as shown	79.65	78.40	1.25		

NOTES:
Covers in hard landscaping to galvanised recessed type, inlaid with paving material and aligned with paving bond.
Covers in soft landscaping & gravel to have ductile iron / plastic covers.
Cover levels to be checked against proposed ground levels on Architect's landscaping plan.

- DO NOT SCALE - Use figured dimensions only
- All dimensions shown are in millimetres unless otherwise stated.
- All levels are in metres above ordnance datum unless otherwise stated.
- The Contractor is to verify all dimensions on site before commencing work or preparing shop drawings.
- This drawing is to be read in conjunction with all Engineers and Architects drawings.

BELOW GROUND DRAINAGE

- Surface water system to discharge to existing lateral drain via flow controlled discharge to new chamber - subject to approval.
- Foul water system to discharge to existing lateral drain via new chamber - subject to approval.
- Unviable infiltration rates based on site testing - refer to report.
- Drainage system ventilation to be determined from above ground drainage design by Public Health Engineer / Architect.
- Before starting work, check invert levels and positions of existing drains, sewers, inspection chambers and manholes against drawings. Report discrepancies.
- Protect existing drains to be retained and maintain normal operation if in use.
- All surface water catchment points including rainwater pipes, gullies and channel drains to include sediment capture & cleaning access. All infiltration structures to have catchpits installed directly inline. SuDS systems to be maintained in accordance with O&M manual.
- Excavate trenches from bottom up to 300 mm above crown of pipe: With vertical sides.
- Excavation width to be as small as practicable but not less than external diameter of pipe plus 300 mm.
- Excavate to formation immediately before laying beds or pipes.
- Mud, rock projections, boulders and hard spots to be removed & replaced with consolidated bedding material.
- Local soft spots to be hardened by tamping in bedding material.
- Excavated material (turf, topsoil, hardcore etc.) to be set aside for use in reinstatement.
- Selected fill for backfilling: As-dug material, free from vegetable matter, rubbish, frozen soil and material retained on a 40 mm sieve.
- Clay Pipelines - Pipes, bends and junctions: Vitrified clay to BS EN 295-1, with flexible joints, Kitemark certified.
- Plastic Pipelines - Pipes, bends and junctions: PVC-U to BS EN 1401-1, class SN4, Kitemark certified.
- Structure Wallled Plastic Pipelines - Pipes, bends and junctions: PVC-U, PP, PE to BS EN 13476, Kitemark certified.
- Pipes to be laid to true line and regular gradient on even bed for full length of barrel with sockets (if any) facing up the gradient.
- Joints to be lubricated, with gaps left at ends of spigots to allow for movement.
- Surface water pipes to be 100Ø laid to min. 1:100 gradient U.N.O.
- Foul water pipes to be 100Ø laid to min. 1:80 gradient U.N.O.
- On completion flush out the whole installation and remove silt and debris immediately before handing over.

INSPECTION CHAMBERS & ACCESS FITTINGS:

- Inspection chambers upto 1.2m deep to have min. 450 x 450 access covers. Inspection chambers beyond 1.2m deep to have reduced access max. 300 x 300.
- Units located in soft landscaping & gravel to have iron / plastic covers. Units located in hard landscaping to have galvanised recessed covers inlaid with paving material and aligned with paving bond.
- Cover levels to be checked against proposed ground levels on Architect's plan.

IMPERMEABLE HARDSTANDING:

- All impermeable hardstanding to be laid with sufficient crossfall to drain into adjacent areas of soft landscaping or surface water gravity drainage.
- Crossfalls to vehicular carriageways to be 1:40 generally falling to soft.
- Crossfalls to pedestrian access to be 1:50 generally falling away from the property.

SOAKAWAY / ATTENUATION CRATES:

- The design assumes the use of Wavin Aquacell crates measuring 0.4d x 0.5w x 1.0long (metres).
- Crate systems are to be installed as indicated on OMK drawings. Any deviation from crate specification and arrangement is to be reviewed by OMK.
- Refer to details for minimum crate cover depths.
- Crates to be protected during construction period, particularly in areas that will be landscaped and lower strength pedestrian load units are used.
- Installation to be in accordance with manufacturer guidelines

KEY

- Site Boundary
- Proposed Surface Water
- Proposed Rain Water Pipe
- Proposed Rodding Eye
- Proposed surface water perforated collection pipe
- Proposed crate attenuation tank
- Proposed Foul Water
- Existing Foul Water
- Denotes permeable block paving construction.
- Denotes permeable resin bound gravel construction.
- Route of surface water exceedance flows following final site levels
- Denotes building entrance & channel drain (where required for Architect's threshold detail)
- Denotes existing topographical survey level
- Denotes proposed ground level
- Suggested surfacing crossfall in accordance with minimum recommended falls

A 08/09/20 For approval			MMK
Rev	Date	Description	Drawn / Chkd
Project title Pear Tree Cottage Cricklade SN6 6EA			
Drawing title PROPOSED SITE DRAINAGE PLAN			
Drawing number 26-110-OMK-DR-C-401			Revision A
Status FOR APPROVAL			Sheet size A1