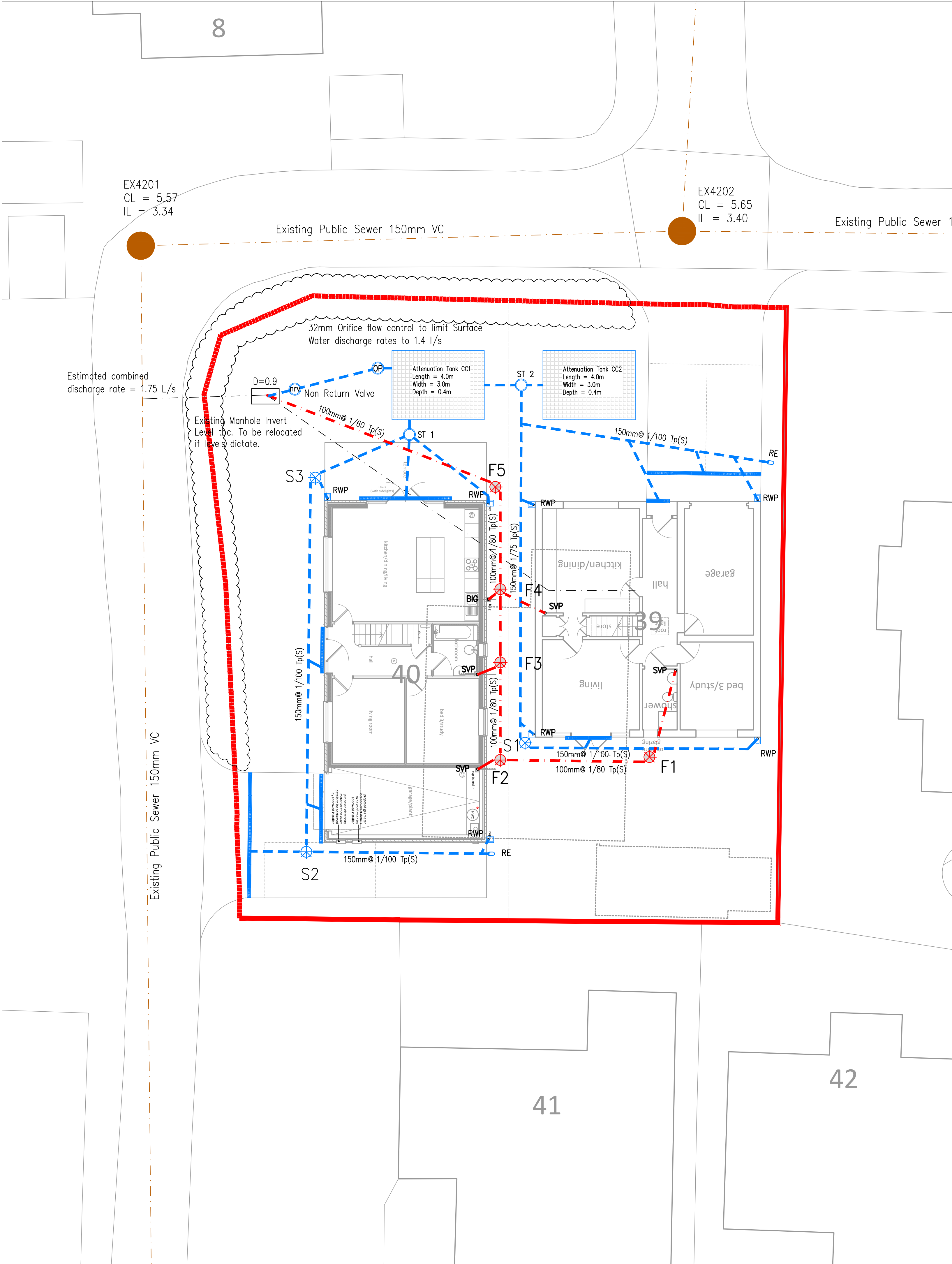




MANHOLE SCHEDULE							
Manhole Reference	Manhole Size & Type	Cover Level	Invert Level	Depth to invert	Pipe Diameter	Cover Type	Comments
S1	450# Polypropylene	5.45	4.85	0.600000	150	A15	
S2	450# Polypropylene	5.45	4.85	0.600000	150	A15	
S3	450# Polypropylene	5.45	4.70	0.750000	150	A15	
ST 1	600# Polypropylene	5.45	4.65	0.800000	150	A15	Silt Trap
ST 2	600# Polypropylene	5.45	4.65	0.800000	150	A15	Silt Trap
G	450# Generator Flow Control	5.45	4.60	0.850000	150	A15	32mm Orifice Flow Control Discharge Rate 1.4L/s
nrv	450# Non Return Valve	5.45	4.55	0.900000	150	A15	Non Return Valve
F1	450# Polypropylene	5.45	5.00	0.450000	100	A15	
F2	450# Polypropylene	5.45	4.88	0.570000	100	A15	
F3	450# Polypropylene	5.45	4.83	0.620000	100	A15	
F4	450# Polypropylene	5.45	4.80	0.650000	100	A15	
F5	450# Polypropylene	5.45	4.75	0.700000	100	A15	
Exiting	450# Polypropylene	5.45	4.55	0.900000	150		Invert to be confirmed

Attenuation Crate Schedule

Ref	Cover Level	Invert Level	Soffit Level	Type	Depth (mm)	Length (mm)	Width (mm)
CC1	5.45	4.600	5.00	Aqua Cell	400	4000	3000
CC2	5.45	4.600	5.00	Aqua Cell	400	4000	3000

LEGEND	
---	Existing Private Foul Water
---	Existing Public Foul Water
100mm# @ 1/100, Tp(Z)	Private Foul Water (pipe Size @ Gradient, bedding case)
100mm# @ 1/100, Tp(Z)	Private Surface Water (pipe Size @ Gradient, bedding case)
F2.1	Private Foul Water Manhole (Type D)
S2.1	Private Surface Water Manhole (Type D)
RWP	Rainwater Pipe
svp/aav/ss	Channel Drain
32mm Orifice Plate/flow control	
Silt Trap	
Non Return Valve	
Attenuation Crates	

- NOTES
- Do not Scale from this drawing
 - In the absence of a Topographical Survey All external levels have been taken as a height of 5.450m
 - These drawings are to be read in conjunction with the Architects drawings
 - For setting-out dimensions of SVP's, RWP's etc, refer to Architect's or Mechanical Engineer's drawings. Positions shown are indicative and subject to final design
 - Invert levels and positions of existing drains / chambers / sewers where new connections are to be made must be checked and confirmed to the engineer prior to the commencement of any works.
 - All drainage works shall be carried out in accordance with the requirements of the Local Authority, the Environment Agency and in conjunction with all relevant British Standards, Codes of Practice and 'Sewers for Adoption' 6th Edition and any addendums as appropriate.
 - All drainage shall comply with the typical details and the requirements of BS EN 752 and Part H of the Building Regulations.
 - Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned and inspected. Any structural defects shall be repaired using appropriate and approved means.
 - Refer to manhole schedules or drawings for manhole types, sizes, depths and specific requirements.
 - All foul connections shall be 100mm diameter Plastidrain or equivalent PVC-U pipes to BS EN 1401 unless otherwise specified.
 - All surface water drainage shall be 150mm diameter Plastidrain or equivalent PVC-U pipes to BS EN 1401 unless otherwise stated.
 - All precast concrete units used in the drainage works shall be manufactured using sulphate resisting cement.
 - Manhole covers and frames shall be BS EN 124 and shall be Kitemarked. Covers and frames shall be heavy duty D400 in carriageways and vehicular areas and medium duty B125 in footways and soft landscaping. In blocked/concrete paved areas covers shall be recessed fabricated steel.
 - Refer to structural drawings for details of manholes and sewers constructed within floor slabs and foundations.
 - Cover levels are to be adjusted locally to suit finished ground levels.
 - At least one soil pipe at the head of each foul run shall vent to the atmosphere.
 - HEALTH AND SAFETY: The works shall be carried out by specialist competent and experienced contractors who are members of a recognised national organisation.
 - Operatives shall have received full and appropriate training for the operations they are to undertake. All work shall be carried out in accordance with all pertinent Health and Safety Regulations.
 - Existing drainage to be removed is to be broken out to bed level and void backfilled with granular material, compacted in layers not exceeding 250mm.
 - All drain runs from Svp's, stub stacks or fw gullies to be laid at 1:40 gradient unless otherwise stated.
 - Access panels are to be provided to all rainwater pipes, a max. 600 above finished ground level or to discharge into roddable trapped access gullies.
 - All Gradients at drainage runs are indicative. runs to be laid invert to invert.
 - Generally pipes to have granular Bed & Surround (Type S) in accordance with manufacturers recommendations, ensuring adequate protection with respect to depth and location. Drainage with less than 600m cover to have concrete bed and surround (Type Z).
 - All private drainage to be laid to levels shown using flexibly jointed pipes, either uPVC to BS 4660 and BS 5481 or vitrified clayware to BS EN 295.
 - Depth and Location of existing services to be traced prior to any excavation.
 - All abandoned, buried obstructions encountered during the construction of Highway & Drainage Works are to be broken out to bed level of drains and sewers, and to the formation of carparks and drives etc., and to sufficient depth to allow for laying service company's mains and services.
 - Buried concrete to satisfy the requirements of BRE Special Digest 1 = AC-1 & Site Investigation Report.
 - Groundworker to ensure proposed finished ground profile is formed by evenly grading between the spot levels shown.

-	Flow Control Changed	31.07.20
-	Preliminary	24.07.20
Rev	Revision note	Date

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Project
40 Little Paddocks
Ferring
Worthing, BN12 5NJ
Title
Proposed Drainage Layout

Dwn By AS	Chk By	DRG NO 456920-100	REV A
Date July 20	Scale 1:100		

P R E L I M I N A R Y