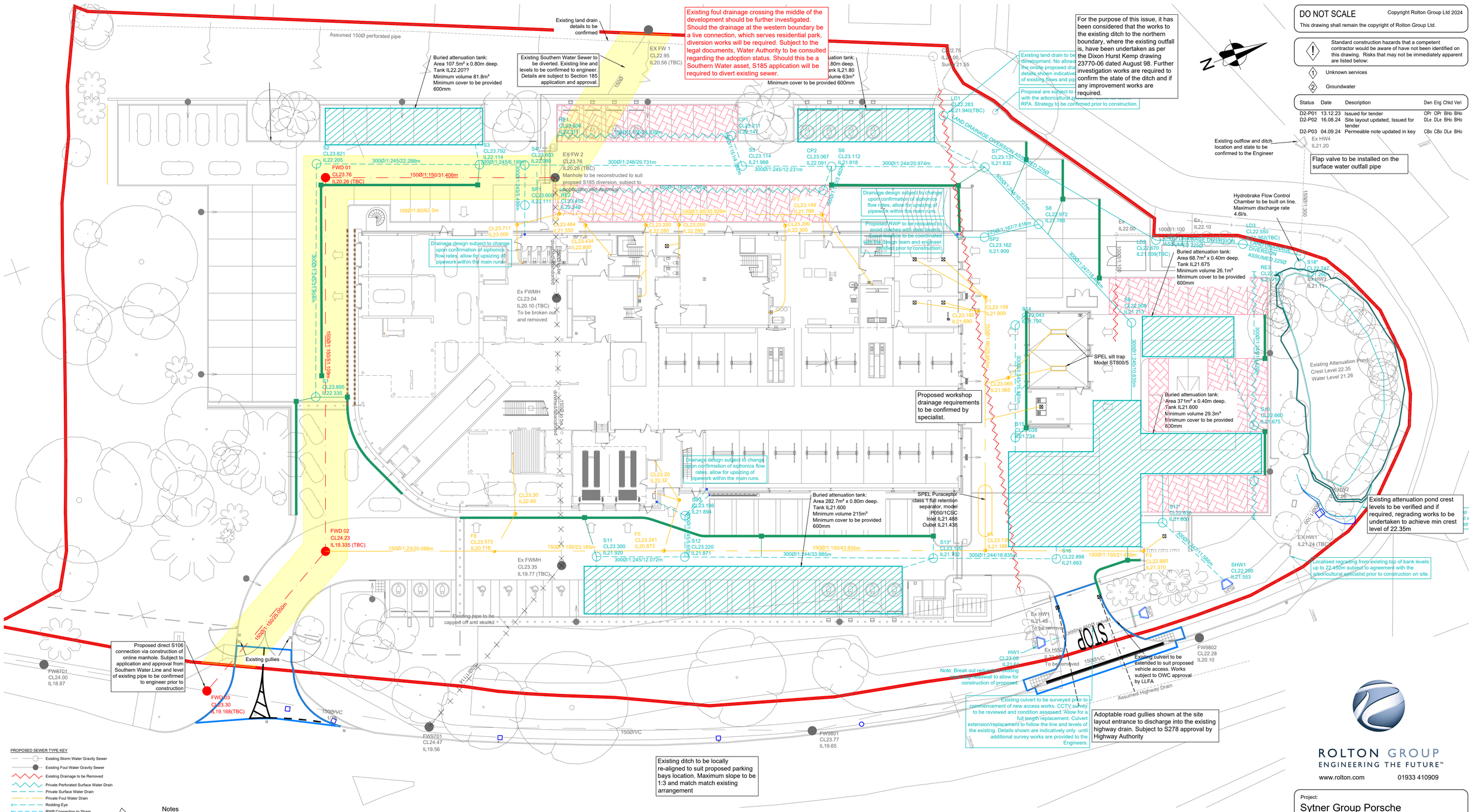


PROPOSED SEWER TYPE KEY

- Existing Storm Water Gravity Sewer
- Existing Foul Water Gravity Sewer
- Existing Drainage to be Removed
- Private Perforated Surface Water Drain
- Private Surface Water Drain
- Private Foul Water Drain
- Rodding Eye
- RWP Connection to Storm
- SVP Connection to Foul
- Adoptable Road Gully
- Floor Gully
- Private Storage Tank
- Permeable paving with lined sub-base (min 600mm deep)
- SW Linear Drainage (Swarm Aqua or Similar) Channel / Outfall
- Headwall (shown NTS)
- 600Ø PP/1:50/27.00m
- Drain Diameter
- Perforated Pipe
- Drain Gradient
- Drain Length

PROPOSED MANHOLE/INSPECTION CHAMBER TYPE KEY

- Private
- Storm Water PPIC
- Foul Water PPIC
- Foul Water PCC MH
- Storm Water PCC MH/CP
- Surface Water Hydrobrake Chamber
- Surface Water PCC MH with Backdrop Connection
- Foul Water PPC MH with Backdrop Connection
- Orifice Chamber

GENERAL KEY

- Development Boundary

P03

Notes

1. This drawing is to be read in conjunction with all the relevant contract documentation.
2. This drawing and its contents shall not be reproduced or reused in whole or in part without Rolton Group's express permission in writing and Rolton Group accepts no liability for any damages, costs, losses, claims, proceedings or expenses arising from such use.
3. All dimensions are in mm unless otherwise stated. Dimensions to be checked on site prior to construction and any discrepancies reported to the Rolton Group Engineer.
4. Only drawings that indicate CONSTRUCTION as the issue purpose should be used for construction.
5. Any CONSTRUCTION status issue does not provide or imply approval or validation of any third party information.
6. Revision clouds are shown for assistance only, the whole drawing is to be checked for new/amended information.
7. Not all hatches and linetypes shown on legends and keys may be present on this drawing. Drawings to be printed in colour by default, typical material colours are for clarity only.

Private drainage notes:

1. All specifications and installations are to comply with Building Regulations 2010 (2015 edition) approved documents (part H), relevant BS and manufacturers recommendations.
2. All SuDS features are to be designed and installed in accordance with CIRIA SuDS Manual (C753) and manufacturer specification and recommendations.
3. Internal foul drain pipe minimum gradients:
 - 1:80 from svp & WC to IC
 - 1:40 from basin & sink to IC
4. Drawing to be read in conjunction with construction details drawings
5. Solid pipes to be 100mm dia. UPVC to BS4660 laid on class S granular bed and surround and backfilled in accordance with detail on drawing unless otherwise shown. Pipes with less than 0.6m cover in un-trafficked areas or 0.9m cover in trafficked areas to have min. of 100mm concrete surround class Z.
6. Pipes running under buildings to have a min. of 100mm granular surround.
7. Inspection chambers and manholes. Brickwork Class B engineering to BS 3921, pre-cast concrete sections to BS 5911, plastic relevant BBA certificate.
8. Rodding eyes and access fittings to be in accordance with BS 4660 and relevant BBA certificate.
9. Inspection chambers and manholes to have removable non-ventilating covers to a load class as required.
 - A15 - light duty for pedestrian areas
 - C250 - lightly trafficked roads and private car parks
 - D400 - high traffic areas
10. Flow control to be via hydrobrake, orifice plate or similar approved to restrict discharge rates from to site to 4.6l/s.
11. Existing substation drainage to be maintained. A new manhole to be installed in line with the existing pipe and discharged into the new drainage system.
12. Proposed foul and surface water drainage subject to further coordination with the design team.
13. Foul and surface water drainage pop ups locations TBC by the Architect and MEP designer.
14. Foul and surface water drainage pop ups setting out to be provided by the Architect / MEP.
15. Existing drainage to be re-used is subject to further CCTV survey, to be provided to the Engineer. Should the drainage be damaged or not suitable, improvement works will be required to be undertaken.
16. Linear drainage to be Swarm Aqua or similar approved. Inspection chamber locations and channel sizing subject to manufacturer's guidance. Details to be provided to the Engineer for approval.
17. Syphonic drainage is subject to specialist design and details to be provided to Engineer for coordination.
18. SPEL separator and silt traps to be fitted fully in accordance with manufacturers instructions.
19. Lift pit drainage requirements TBC.
20. SPEL separator model and size subject to workshop drainage requirements.

General drainage notes:

1. This drawing is to be read in conjunction with all the relevant contract documentation.
2. All dimensions are in m unless otherwise stated.
3. The developer is responsible for locating any existing services, for making provision for access to lay service to serve adjacent sites and for protecting any services to the satisfaction of the relevant utility company.
4. The developer is to obtain all necessary licenses/ permissions before making connecting to existing sewers.
5. Pipes to be connected soffit to soffit.
6. All invert levels are to be checked on site prior to work commencing and any discrepancies reported immediately.
7. Levels indicated are Invert levels unless noted otherwise and are of lowest connection in manhole.
8. Drawing based on:
 - Axis 3 Site Layout drawing no. P269 Drawing Number 117
 - Landmark Surveys and Developments drawing 21569
9. Surface water discharge from the development to be restricted to 4.6 l/s for storm events up to 1:100+40cc. Subject to LLFA approval. New flow control chamber to be constructed in line with existing pipe.
10. Contractor to confirm location, invert and cover levels of the existing drainage.

Existing drainage connections to be further investigated and information to be provided to Engineer. Should these connections not be used, all are to be removed. At the boundary, unused existing drainage to be capped.

ORIFICE FLOW CONTROL CHAMBERS	
Mh Ref	Orifice Size
S2	75mm
S3	75mm
S8	75mm
S10	145mm
S13	125mm
S16	75mm
S22	270mm

Proposed drainage subject to LLFA approval

Existing utilities GPR survey to be provided to the Engineer for assessment.

Existing land drain to the western boundary to be kept. A new in line catchpit to be built with an overflow pipe connected into the proposed drainage system. This arrangement is subject to further investigation and confirmation of existing drainage location and state

Foul water discharge into the existing Southern Water subject to S106 Approval

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Project:
Sytner Group Porsche
Mid Sussex
New Dealership & Workshop Facility

Drawing Title:
Proposed Drainage Layout

RGL Project Ref: 23-0466
Scale@A1 1:250
Scale@A3 1:500
Specification(s):

Drawing Number: 230466-RGL-ZZ-XX-DR-D-120-0001
Project-Originator-Zone-Level-Type-Role-Classification-Number
Issue Purpose: TENDER
Status: D2-P03
Suitability-Revision