

**Key**

- EF-EDGING OF FOOTPATH
- Tarmac Access Road
- Existing Private Foul Water Manhole
- Existing Private Foul Water Pipeline
- Proposed Private Foul Water Manhole
- Proposed Private Foul Water Pipeline
- Proposed Pumping Station



- Notes**
- Do not scale this drawing.
  - All dimensions are in millimetres unless stated otherwise.
  - This drawing to be read in conjunction with all other relevant drawings and specifications.
  - All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
- STANDARD DRAINAGE NOTES:**
- Except where specifically shown otherwise all below ground pipes / connections shall be 100mm dia PVC (to BS 4660) or VC (to BS 5481) with flexible joints and laid to minimum falls of 1 in 40, except where connected to WC when falls may be 1 in 80.
  - All gravity pipe runs to be tested to a standing head of 1500mm head of water above the invert at the head of the pipe run (but not exceeding 4000mm at the lower end).
  - For details of bed and surround requirements refer to long-sections and standard details. In all other situations provide 150mm of 10mm single-sized rounded gravel bedding as surround.
  - Except where specifically shown otherwise, pipes to be a minimum of 600mm below roads/driveways and 600mm below gardens/fields.
  - Ventilating pipes to be provided at the head of chain and to any branch longer than 6m where a single appliance is connected, or 12m where a group of appliances is connected.
  - Stop-ions shall not be fitted in any chambers unless specified otherwise.
  - Manhole/Gully covers shall be regulated to suit finished levels and crossfalls.
  - All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
  - Drains passing beneath buildings to have minimum 100mm granular fill or flexible filling around pipe. Where the pipe crown is within 300mm of the underside of the slab, pipe shall be encased in concrete integral with the slab.
  - Drains passing through walls below ground level to have minimum 50mm clearance all round and opening in walls to be masked all round with rigid sheet material to prevent ingress of fill or vermin. Openings in walls for pipes shall have concrete insets to support wall construction above.
  - Unless stated otherwise, pipes to be 100mm Diameter.

- STANDARD ROADS / FOOTPATH NOTES:**
- Existing structures to be broken out to minimum 450mm below top of finished surface level. Existing footpath to be broken out and rubble and existing subbase to be removed off-site.
  - Subgrade to be proof rolled with one pass of a smooth-wheeled roller having a mass per M-width of roll of not less than 2,100kg or a Vibrating Roller having a mass per M-width of roll of not less than 700kg or a Vibrating Plate Compactor having a mass per m<sup>2</sup> of not less than 1400kg. Any soft spots shall be removed and replaced with Type 1 compacted in layers not exceeding 150mm thickness.
  - All formations are to be treated with an approved herbicide before placing sub-base material on a geotextile separation membrane (Teram 1000 or similar approved).
  - All sub-base material is to be non-frost-susceptible. All concrete to be sulphate resisting.

PO3	Updated Site Layout Plan & Amended Foul Drainage System	EP	15.03.23
PO2	Revised Emergency Tanks for Foul Water System	EP	23.01.23

Client  
**Regent Parks**

Project  
**Selby Park**

Title  
**Foul Water Drainage Plan**

Job No	<b>22121</b>
Drawing No	<b>22121-013</b>
Status	<b>Preliminary</b> Rev <b>P03</b>
Scale	<b>1:500@A0</b> Date <b>09-01-2023</b>
Project Engineer	Checked By: EP Approved By: TBP

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- Foul Water**
- Proposed Foul Water System is provided for each caravan and then connecting with the existing foul water system then discharged into the proposed pumping station then pumping out through the rising main which shall route flows through the proposed break pressure chamber(MH-0001-F) then discharged into the 225mm sewer off York Road (See detail in Drg.22121-006).
  - The new manholes which are from MH-38-F to MH-87-F and the new pipes which are from PN-32-F to PN-80-F is provided.
  - All the proposed manholes sizes are 1200mm and all the proposed pipe sizes are 150mm.
  - In the existing foul drainage system, some of the information are missing according to the CCTV records information and so all those depths of manholes and pipe sizes are assumed.
  - (i) All the pipe sizes are assumed 150mm Verified Clay pipes. (PN-3-F, PN-4-F, PN-8-F, PN-9-F, PN-10-F, PN-11-F, PN-19-F, PN-20-F, PN-25-F, PN-29-F and PN-30-F)
  - (ii) The depths of the following manholes are assumed. (MH-13-F, MH-14-F, MH-17-F, MH-18-F, MH-19-F, MH-20-F, MH-26-F, MH-27-F, MH-31-F, MH-34-F, MH-36-F, and MH-37-F)
  - A Washout chamber is provided for the maintenance work of the water main which can see detail in Drg.22121-008.
  - An air release valve chamber is provided in order to vent trapped air in the pipes. This valve chamber should be placed at the strategic high level of the pipe where trapped air can accumulate which can see detail in Drg.22121-009.