Off-Line Cellular Storage
3.0m x 38m x 0.8m deep
(91.2m³)
IL 61.65m

3m wide Emergency Access with removable bollard at either end

Ex pipe size and depth to be confirmed on site

Ex gully to be replaced & relocated against new kerbline. Existing connection to be nused / replaced as appproriate

Ex MH 5000
CL 64.113
IL 61.14

Ex MH5000
CL 66.058
IL 61.544

Ex 225mmØ combined sewer

Ex 375mmØ combined sewer

Ex 300mmØ combined sewer

EXMH5011
CL 63.872
IL 62.29

Off-Line Cellular Storage
7m x 35m x 0.8m deep
(196m³)
IL 61.50m

Control Manhole with 2No.Vortex Flow Control Unit to limit flows to:
31l/s@0.87m head minimise upstream storage(Hydro International Unit Ref:SHE-0242-3100-0870-3100) at IL 60.530
32l/s@2.215m head Linear Discharge Profile(Hydro International Unit Ref: SCU-0148-3200-2215-3200) at IL61.45

Maximum Discharge Rates:
1 year - 31l/s
30 year+40% - 54.1l/s
100year+45% -72.4l/s

NOTES

1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
2. All sewers shall be constructed in accordance with Sewerage Sector Guidance and the Design & Construction Guidance.
3. The minimum gravity pipe diameter under adoptable highways shall be 150mm
4. It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
5. The outsides of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines
6. Existing flows in watercourses, sewers and land drains shall be maintained at all times
7. Only trained personnel shall be permitted to enter confined spaces
8. All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur to withstand a class 3 condition).
9. All opening notices etc. as required under highways acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
10. Where "Ultra Rib" UPVC pipes (or similar approved) are used in adoptable drainage they shall still be handled and laid in accordance with the specification and guidance issued by the High Performance Pipe Association.
11. A Class S Bed and surround must be used for such pipes. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption cl. 4.3.4.
12. Slab levels shall not be varied without reference to the Engineer for guidance

KEY

S.W. Foul

- Proposed sewer
- Disconnection Manhole
- 13.50 Proposed Plot Level
- Existing Combined sewer
- Existing SW sewer
- Proposed highway gully
- 48.270 Proposed level
- × 29.35 Existing Level
- Sewer Easement
- SW Attenuation Tank
- Tactile Paving & Dropped Kerb (exact location to be agreed on site with the LA engineer)
- Street Nameplate (exact location to be agreed on site with the LA engineer)

Rev	Date	Initials	Details
B	15/05/24	SAP	Drainage Notes added & cellular storage tanks amended
A	05/04/24	DA	Updated to client's initial comments.

Drawing Revisions

North Point

Quality Ass.
UKAS 005 Quality Assurance ISO 9001:2008 SGS Certificate GB02/54539

Project
Mount Road, Gorton

Client
Kellen Homes

Title
Highways And Drainage Layout Sheet 2

Original Size
A1

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Drawn KF | Checked By SAP
Date March 24 | Scale 1:500

Drawing No. 30571/1/2 | Revision B

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