

NOTES

- Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
- All sewers shall be constructed in accordance with Sewerage Sector Guidance and the Design & Construction Guidance.
- The minimum gravity pipe diameter under adoptable highways shall be 150mm
- 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
- 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
- Existing flows in watercourses, sewers and land drains shall be maintained at all times
- Only trained personnel shall be permitted to enter confined spaces
- 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).
- 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.
- 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.
- 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.
- Slab levels shall not be varied without reference to the Engineer for guidance

KEY

- S.W. Foul
- Proposed Sewer
- Proposed Disconnection Manhole
- Proposed Finished Floor Level
- Proposed highway gully
- Proposed level
- Existing Level
- Sewer Easement
- Highway Drain

Network 2 total discharge
305.4 l/s

S108 Hydro-Brake Flow Control
MD-SHE-0391-1070-2200-1070
Type: Optimum
Flow rate = 107 l/s
Design head = 2.200m

S2 Hydro-Brake Flow Control
MD-SHE-0212-2500-1500-2500
Type: Optimum
Flow rate = 25 l/s
Design head = 1.500m

Connection invert level onto
existing pipe TBC (est
119.014m) F2 to be built
prior to dragout completion
at plot 222.

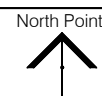
S217 Hydro-Brake Flow Control
MD-SHE-0503-2000-2900-2000
Type: Optimum
Flow rate = 200 l/s
Design head = 2.900m

Attenuation Tank 1: 1:100 year = 40% CC storage to be
provided within Work Areas or similar approved. Storage
to be 12 days/hrs 0.8m deep. Base of tanks to be 136.40

Attenuation Tank 2: 1:100 year = 40% CC storage to be
provided within Work Areas or similar approved. Storage
to be 12 days/hrs 0.8m deep. Base of tanks to be 130.40

L	12/19/23	DA	Updated in line with S104 drawing.
K	08/12/23	DA	Drive to 156 updated.
J	27/11/23	DA	Plots between Road 3 and POS removed. Drainage updated to remove tank from POS.
I	26/01/23	DA	Speed tables removed for speed humps.
H	16/11/22	DA	Latest arch layout added.
G	14/09/22	DA	Gullies on Road 1 updated.
F	07/09/22	DA	Gabions removed at 194-205.
E	17/08/22	DA	Sub-station location updated.
D	18/07/22	DA	Latest arch layout added. Dragout removed from F107.
C	20/04/22	DA	F1/F2 & S1/S2 amended.
B	24/03/22	DA	F1/F2 & S1/S2 amended.
A	18/02/22	DA	Culvert added from south east corner.
Rev	Date	Initials	Details

Drawing Revisions



Quality Ass.

UKAS 005

Assurance

Quality

ISO 9001:2008

S65 Certificate

GB02/54539

Original Job

A1

Project
Minky Works, Royal Road
Rochdale

Client
Countryside Properties
(UK) Limited

Title
Highways & Drainage
Layout

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Drawn
DA

Checked By
SG

Date
Feb 2022

Scale
1:500

Ironsides Farrar
Environmental Planners
Civil Engineers
Landscape Architects
Graphic Design

3 Worsley Court
Tel: 0161 703 8801 Fax: 0161 703 8279
manchester@ironsidesfarrar.com

EDINBURGH BELLSHILL

Drawing No.
30522/1

Revision
L