



KEY

- FOUL WATER SEWER
- SURFACE WATER SEWER
- BACK DROP MANHOLE
- RISING MAIN
- EXISTING SEWER
- SEWER EASEMENT
- ROAD GULLY (1500 CONNECTION)

NOTES

- No dimensions are to be measured from this drawing.
- All levels shown are in metres unless otherwise shown.
- This drawing is to be read in conjunction with all relevant Architects, Planning and Infrastructure Design drawings.
- The position and levels of all existing drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the engineer.
- All private drainage is to be constructed in accordance with th latest edition of the Building Regulations Part H (Drainage & Waste Disposal) and to BSEN752 (Building Drainage).
- All adoptable drainage is to be in accordance with the requirements of Sewers for Adoption 6th Edition and the Sewerage Undertaker/Council.
- All connections to existing public sewers are to be made to the satisfaction of the Sewerage Undertaker and the Local Authority.
- Existing drains being abandoned are to be dealt with in the following manner:
 - Within 1.0m of proposed ground levels, drains are to be grubbed out.
 - Deeper than 1.0m of proposed ground levels drains are to be grouted with a 1:10 cement:sand:mix.
- Any existing gully connections being abandoned are to be sealed with a concrete plug not less than 300mm thick at a level of 1.0m below ground.
- Concrete protection of pipework is to be provided as follows:-
 - All pipework within pedestrian / soft areas with a cover less than 600mm.
 - All pipework beneath areas subject to vehicular overrun with a cover less than 1.2m.
- All pipework within manholes are to be laid soffit to soffit.
- Any gradients of drains are indicative only and The Contractor shall install drains to the invert levels shown for each manhole.
- Any co-ordinate information regarding manholes is to the centre of the manhole.
- Cover levels of the manholes are provisional and subject to adjustment to suit the finished ground levels.
- The use of short radius bends for changes in direction is not permitted, only long radius bends or 2 No. are to be used.
- Connections to carrier drains are to be "Y" junctions.
- Manhole covers and frames are to be in accordance with BS EN 124 and the following criteria:-
 - Vehicular areas : Class D400 double triangular 150mm (min) deep ductile iron cover & frame with three-point cover seating.
 - Pedestrian areas only : Class B125 double triangular 100mm (min) deep ductile iron cover & frame with three-point cover seating.
- Heavy duty cover slabs are to be used with Class D400 frames.
- Gully gratings and channel covers are to be in accordance with BS EN 124 as follows:
 - i) Areas subject to vehicular overrun: Class D400 minimum. Class F900 within service yard.
 - ii) Areas not subject to vehicular overrun: Class C250
- Gully gratings are to be double triangular ductile iron with a non-rock design and a 100mm deep frame.
- Outside of sewers to be 1.0m (min) from kerb line.
- Outside of manholes to be 0.5m (min) from kerb line.
- All non-adoptable foul and surface water pipes to be 100 diameter unless noted otherwise.
- Proposed 225mm diameter inspection chambers to be laid at a maximum depth of 600mm below GL.
- Proposed 450mm diameter inspection chambers to be laid at a maximum depth of 3000mm below GL.
- Installation of all pipework, manholes, gullies & channels etc are to be laid to manufacturers specification.

DESIGN NOTE
ALLOWANCE TO BE MADE TO RE-BUILD EXISTING INSPECTION CHAMBER IF SATISFACTORY CONNECTION CANNOT BE MADE TO RELEVANT BODIES APPROVAL.

DESIGN NOTE
S4 HYDROBRAKE MANHOLE
DISCHARGE RATE: 5.0l/s
HEAD: 1.400
MIN ORIFICE: 1500
REF: CTL-SHE-0100-5000-1400-5000

PRELIMINARY DRAWING.
NOT FOR CONSTRUCTION.

P2	ISSUED FOR TENDER	JL		22.05.24
P1	ISSUED FOR TENDER	JL		26.03.24
Rev	Details	Drawn By	Chk/App By	Date

Client:
CADDICK CONSTRUCTION

Project:
**CHORLTON BATHS
MANCHESTER ROAD
CHORLTON**

Title:
**PROPOSED DRAINAGE
LAYOUT**

Issued For:
TENDER

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Scale: **1:200** @ (A1)

Project No:
11689

Drawing No:
400

Issue:
P2

DO NOT SCALE - USE FIGURED DIMENSIONS ONLY.
This drawing is confidential and is the property of Reid Jones Partnership. It must not be disclosed to any third party, copied or lent without prior written consent. The contractor is to check all dimensions on site prior to commencement of works.