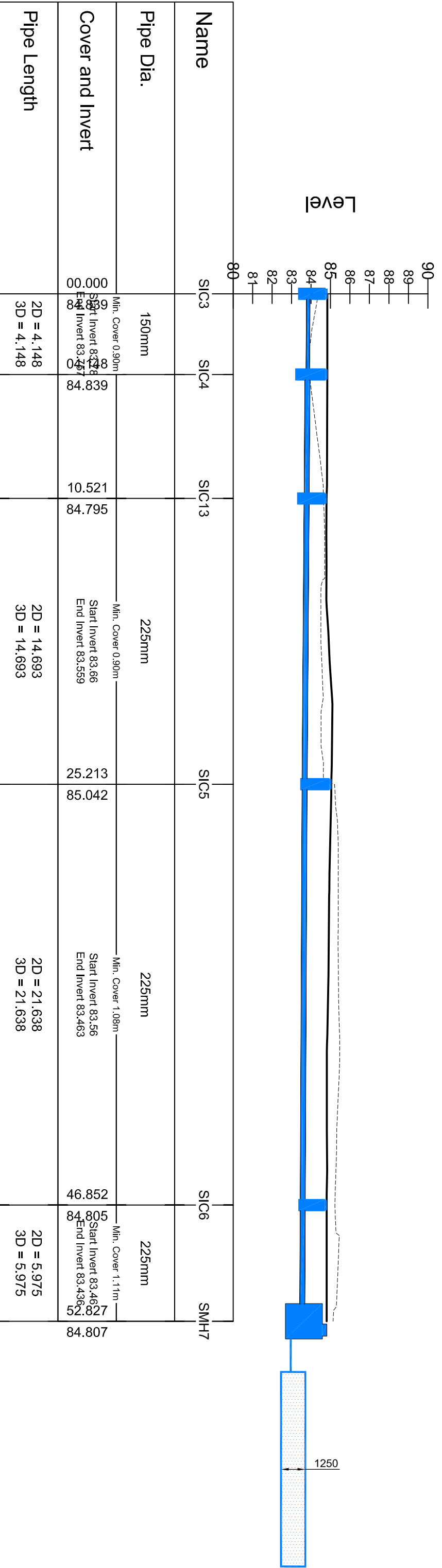
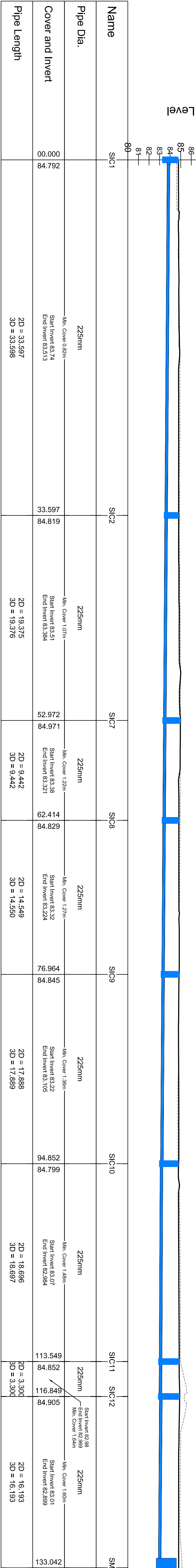


Refer to Halcic drawings 5005 for drainage general arrangement

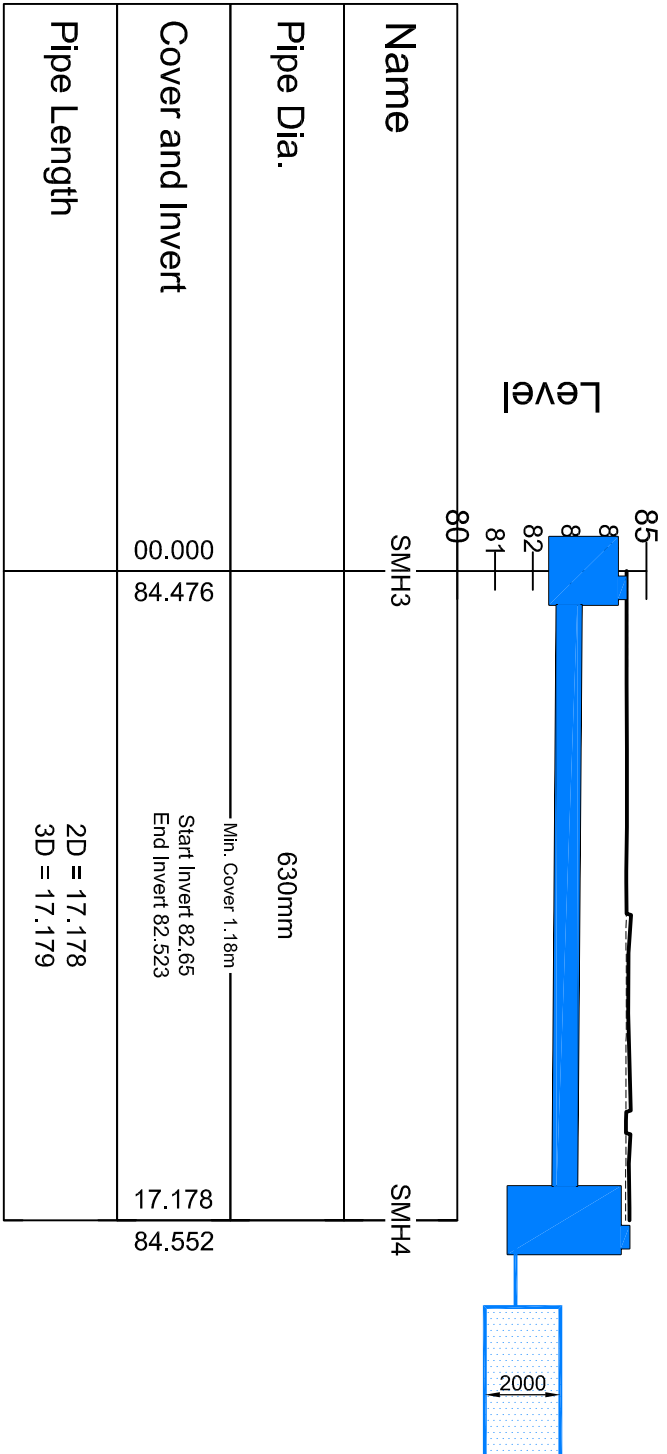


SURFACE RUN A
SCALE: H 1:200 V 1:200. DATUM: 80.000

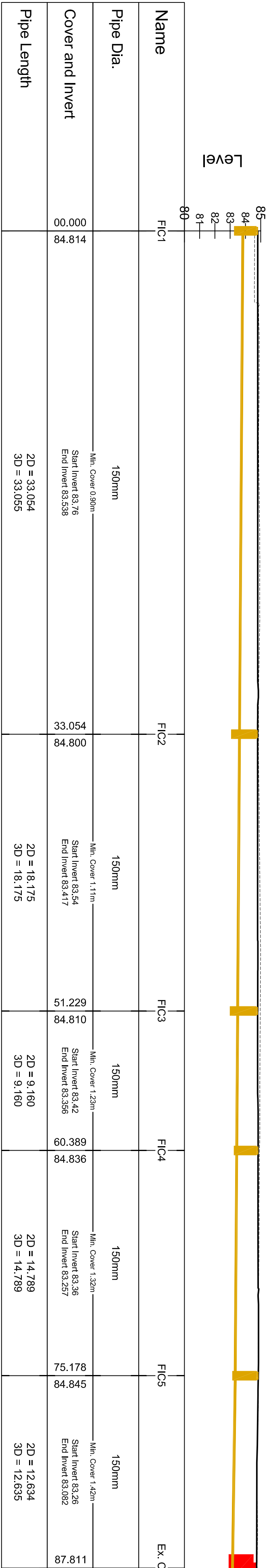
Drainage is also completed by means of a suitable polyethylene root barrier with welded joints.



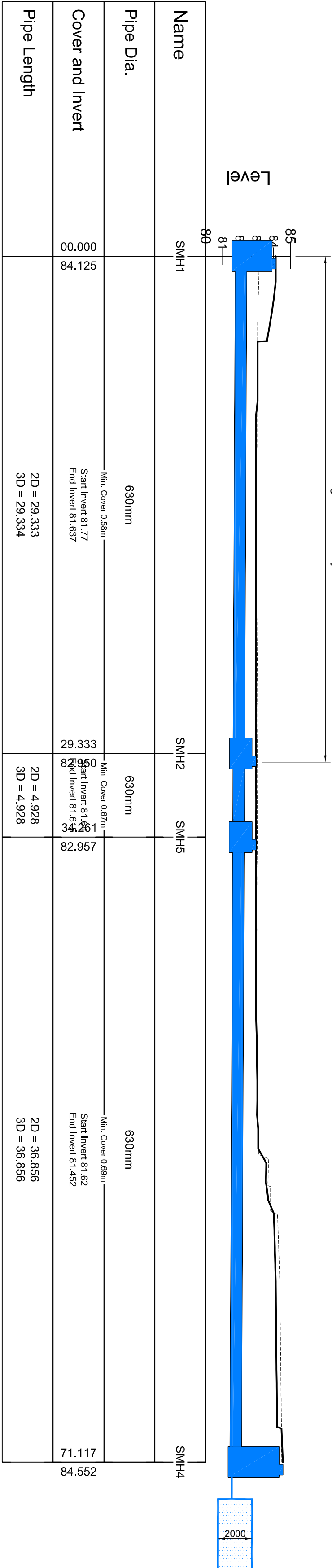
SURFACE RUN B
SCALE: H 1:200 V 1:200. DATUM: 80.000



SURFACE RUN C
SCALE: H 1:200 V 1:200. DATUM: 80.000

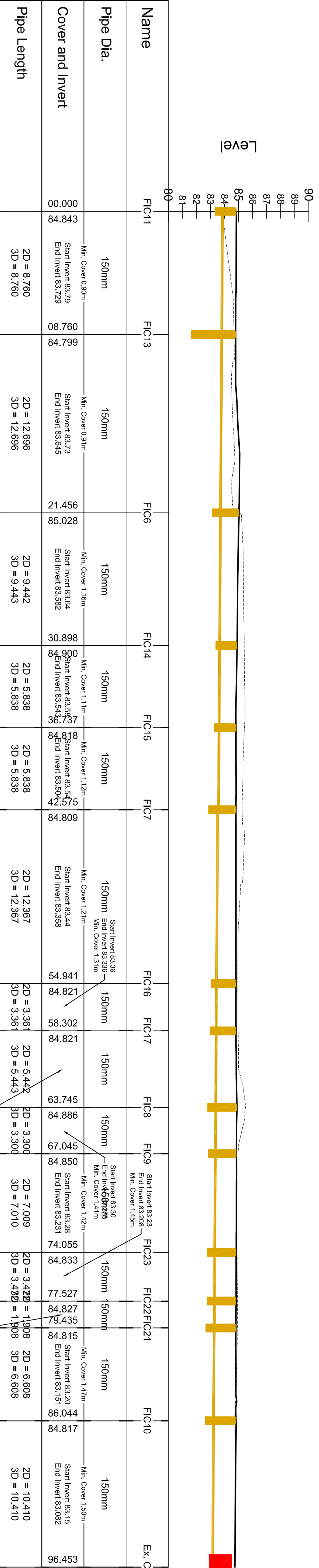


FOUL RUN B
SCALE: H 1:200 V 1:200. DATUM: 80.000



SURFACE RUN D
SCALE: H 1:200 V 1:200. DATUM: 80.000

Drainage Long Sections
(Scale 1:200)



FOUL RUN A
SCALE: H 1:200 V 1:200. DATUM: 80.000

Drainage Notes:

- This drawing is to be read in conjunction with all relevant Architect's Engineer's and other specialist's drawings
- The contractor is responsible for checking dimensions and levels and for confirming the given level of outfall into public sewer, watercourse or other detail
- Refer to architect for all setting out
- Work to figured dimension only. Do not scale
- All works to be in accordance with BS EN722: British Standard for drains and sewer systems outside buildings and the Building Regulations and Sewers for Adoption 77th Edition
- All gas pipework and fittings to be plain and vitrified clay with flexible polypropylene couplings at Heywood's supervision or Heywood's derivative. All concrete pipework to be to BS5911
- All gas pipework and fittings to be to BS4660 or BS5481 where relevant unless noted otherwise
- Trenches for pipework under roads and accessways to be backfilled with granular material in accordance with the requirements of the local authority
- All gravity PVCU pipework to be to BS4660 or BS5481 where relevant unless noted otherwise
- All pipes under roads, car parking and access ways with depth less than 1200mm to have 150mm concrete bed & surround
- All pipes to be laid on Class 5 granular bed and surround
- Polypropylene access chambers to be min. 225 dia for depths up to 600mm and a min. 450 dia. for depths up to 1000mm. 600 dia. C7 for 300mm pipe
- All chamber and manhole covers and frames to roads, foot paths and access ways to be to BS EN 124 (class D400). In gardens, landscaped areas to be to class B125
- Medium pipe diameter under roads and access ways to be 150mm u/c
- Foul water - all pipes beneath building and from 300mm gullies and WC connections to access chambers to be 100mm at a minimum gradient of 1:40 unless noted otherwise. Min. gradient of 100mm pipe between access chambers outside building to be 1:80 u/c
- Surface water - Min. gradient of 100mm pipe between access chambers/outletting eyes outside buildings to be 1:100 u/c
- Foul Water - minimum pipe gradients to achieve 0.75m/s at one third design flow. Surface Water - minimum pipe gradients to achieve 1.00m/s at pipe full flow
- Connection to existing public sewer mains to be agreed with Metcon Water
- All materials are to fully comply with the requirements of clause "E" in sewers for adoption 77th edition, of which the contractor must fully acquaint himself with to ensure compliance.
- Subject to a section 104 Adoption Agreement being complete, a Section 106 application to adopt must be made to DCNW. The developer shall give 21 days' notice prior to completion. The works may only be undertaken by an SRA Holder's duly approved contractor.
- The developer must adhere and certify that the design criteria, material standards and workmanship specifications for the proposed adoptable sewers are in accordance with those set out in 'Sewers for Adoption' 77th Edition. The Works Holder's signature and seal in requirements of DCNW as the 'Adopting Authority'.

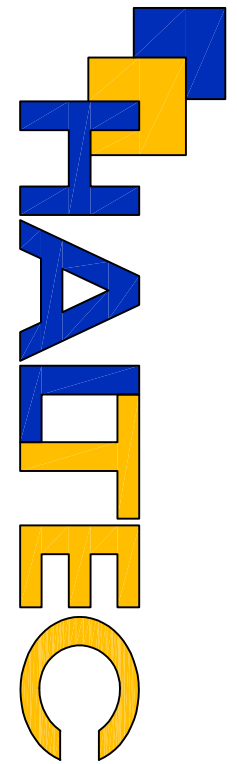
Site Investigation Report required to finalise design of Surface Water (Percolation Rates Required)

client	rev	date	rev	date	rev	date
YOR-HAL-XX-XX-DR-C-5007	P2	20/05/18	DRB	JDH	Tender Drawing Issue - Pop Ups Added	

Wynne Construction

Yale Campus Redevelopment

Drainage Long Sections



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drawn	scale	date	checked
DRB	As Shown @ A0	July 18	JDH

purpose of issue	status
Tender	D2

drawing no.	revision
YOR-HAL-XX-XX-DR-C-5007	P2