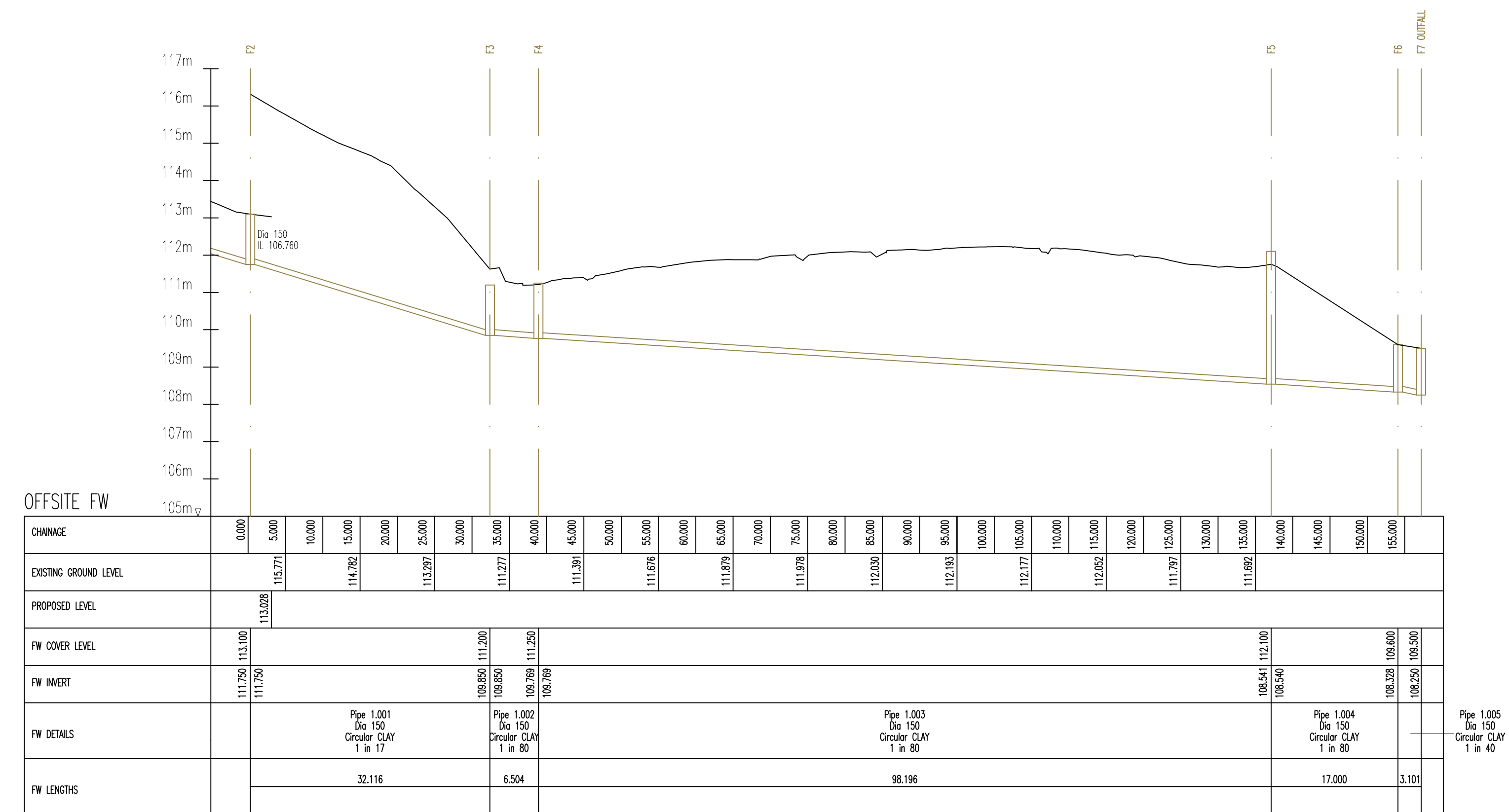
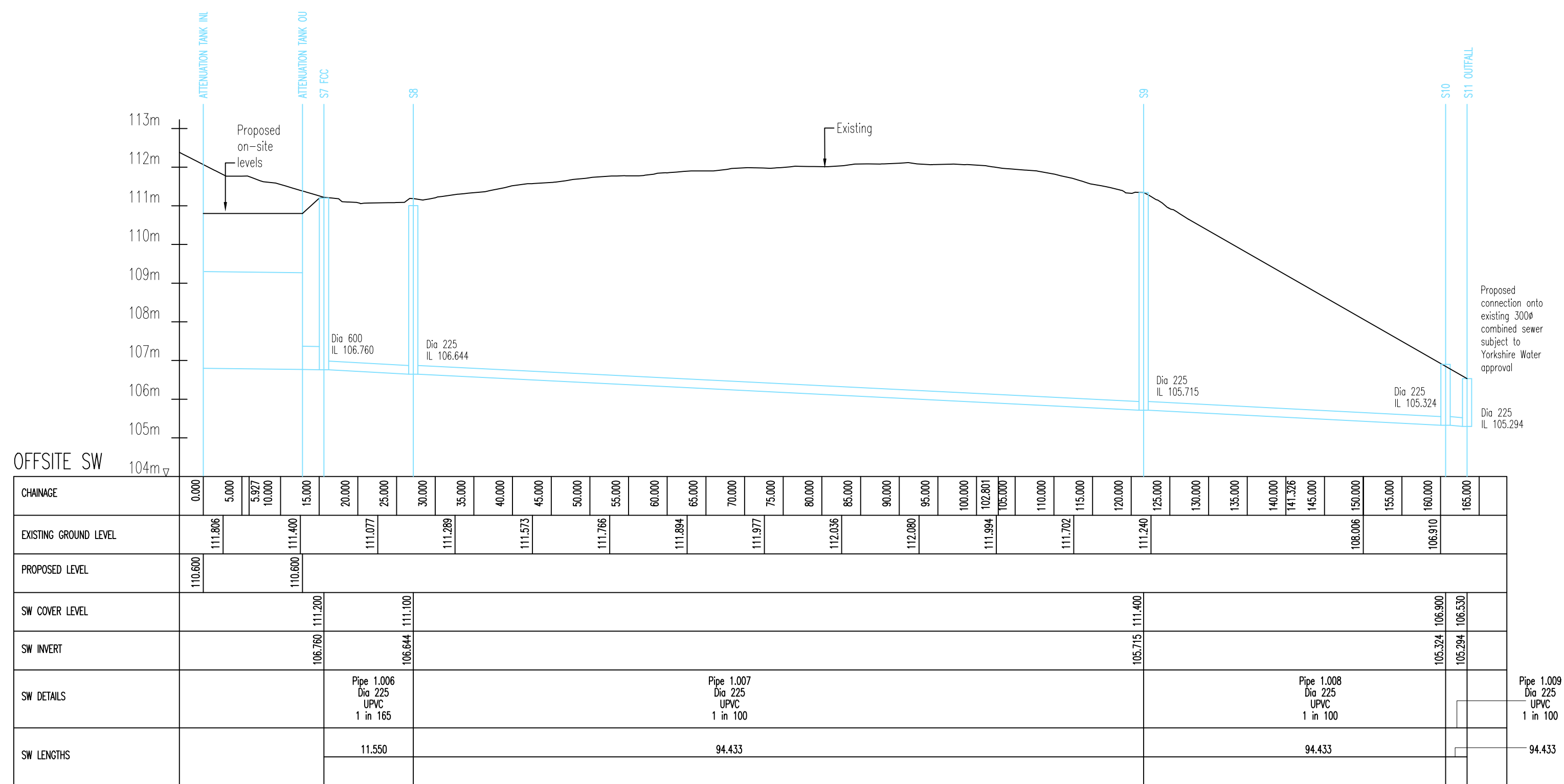


H-3-264-643



SUBJECT TO THE
APPROVAL OF
ALL RELEVANT
AUTHORITIES

N	O	T	E	S
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ATTENTION IS DRAWN TO THE REQUIREMENTS OF
THE CONSTRUCTION DESIGN AND MANAGEMENT
REGULATIONS 2015 AND THE DUTIES AND
RESPONSIBILITIES CONTAINED THEREIN

1. All adoptable sewer works and material to be in accordance with "Code for Adoption". The Relevant British/European and Yorkshire Water Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
2. Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep cleargrains in girding.
3. Filled ground must be filled and consolidated under the supervision and to the satisfaction of Yorkshire Water before any sewer works are carried out.
4. Yorkshire Water is not obliged to accept filter drain/drain/drainage run-off into the public sewer network or adoptable drainage system (directly or indirectly). An alternative method of disposal of the land drainage run-off will therefore be required and you will have to liaise with the Local Authority, Land Drainage Services and the Environment Agency.
5. Sewers will be required to be adopted to the BS Kitemark or will be rejected by Yorkshire Water Inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab should be fitted above the cover slab to bring the size down to 600mm x 600mm for the Yorkshire Water specified cover type. Please refer to Concrete Pipe Systems Association (CPSA), "Technical Bulletin" issued Autumn 2004 for Kitemarked cover slab opening sizes.
6. Sulphate resistant cement (C20-D32) and precast concrete products must be used or a laboratory report proving that such precautions are not necessary.
7. The adoptable sewers must be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
8. Sewers must have 5 metres clearance from trees and hedges.
9. Sewers to be laid in Class "S" bedding (150mm granular bed and surround).
10. Where depth of cover to top of sewer is less than 1.2m in highways and verges (or less than 0.6m in non-vehicular access areas) then a concrete slab should be provided above granular bed and surround.
11. Bedding and backfill material conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
12. The chamber size of manholes with more than one connection in them may need to be increased an increment to accommodate the connections and bends.
13. Yorkshire Water policy is that type "C" brick manholes and 1050mm dia manhole rings are preferred. However, if preferred access is via a type "S" manhole with 1200mm dia or 1500mm dia pipes, with the opening sized over the channel where depth of cover to pipe soffit is 1.1-1.5m.
14. Adoptable plastic sewer pipes to be BS1 Kitemarked (certified to WIS 4-35-01 and BS/EN13476). Adoptable plastic sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer lengths. Plastic channel sections in manholes are not acceptable and Yorkshire Water would prefer clay channels in manholes. We have found that plastic channels are difficult to set in concrete because they float and a satisfactory finish cannot be obtained on the bedding.
15. The minimum crushing strength for clay pipes shall be as follows : 100mm dia. 40KN/m, 150mm dia. 40KN/m, 225mm dia. 45KN/m and 300mm dia. 72KN/m.
16. The minimum crushing strength for concrete pipes shall be - (Class 120 to EN 1916/BS5511-1:2002). Plastic pipes should conform to WIS 4-35-01 and BS EN13476.
17. Where a B125 cover and frame has been approved, this must not be closed in plastic and must have lifting eyes suitably sized to accommodate standard lifting jacks. Screw down covers are not acceptable.

/	JG	01.03.22	Preliminary	RJ	MI
Rev	By	Date	Revision	Chk	Apvd

ARP **ARP ASSOCIATES**
Chartered Consulting Engineers

Northwest House ● 5 & 6 Northwest Business Park ● Servia Hill, Leeds ● LS6 2QH
☎ 0113 245 8498 ● 0113 244 3864 ● leeds@arpassociates.co.uk ● www.arpassociates.co.uk

ARP Associates is a trading division of ARP Geotechnical Ltd, a company registered in England and Wales with company number 3771811, whose registered office is at 5/6 Northwest Business Park, Servia Hill, Leeds LS6 2QH

TITLE
LONGITUDINAL SECTIONS
SHEET 2 OF 2

PROJECT

PLANE STREET,
HUDDERSFIELD

CLIENT

UNITY HOUSING ASSOCIATION

DRAWING STATUS
FOR APPROVAL

Scale	Date	Drawn	RJ
1:500	APR 21	Chk.	MI

Drg. No. 0257/05/06.02	Rev /
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