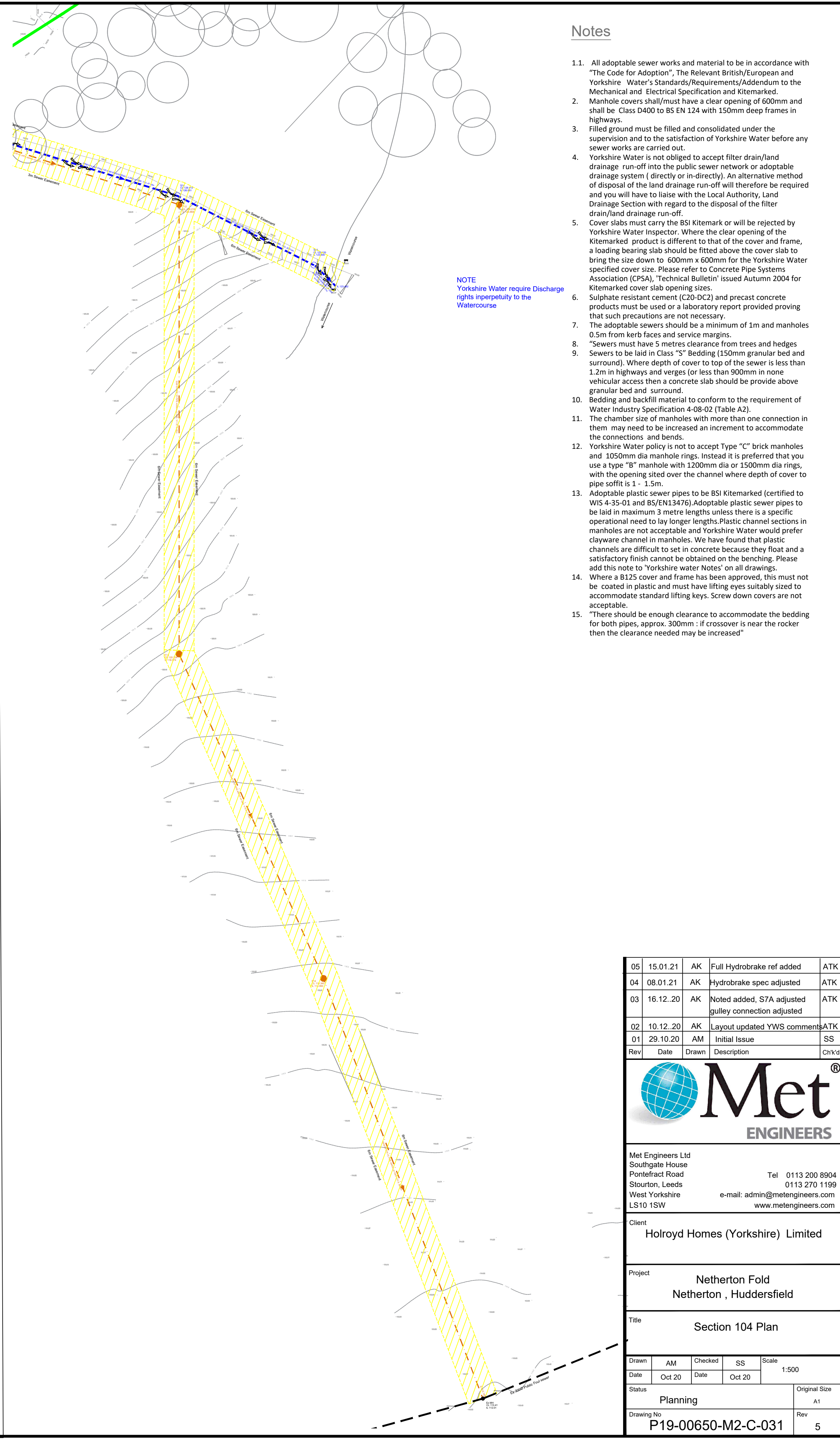
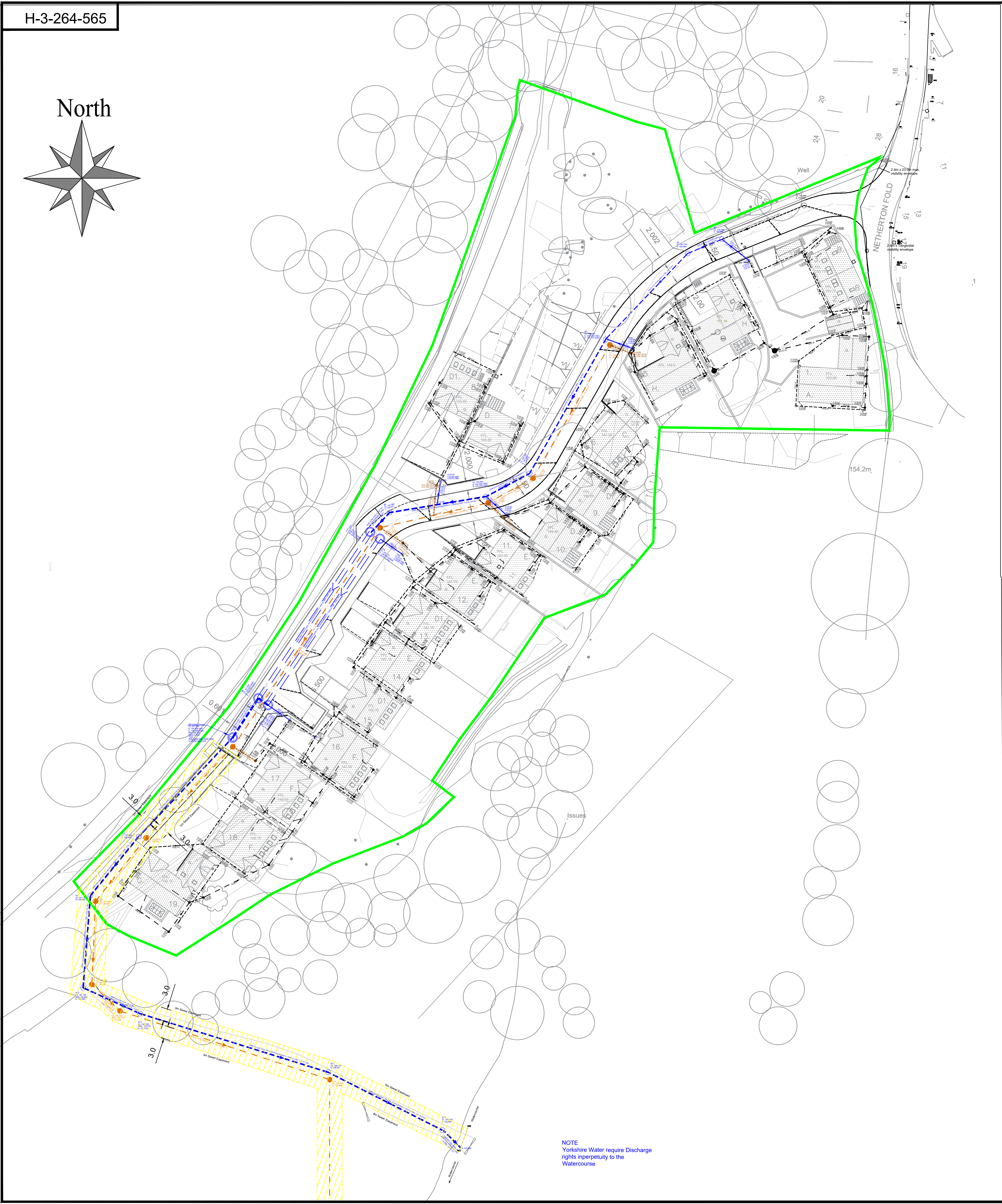
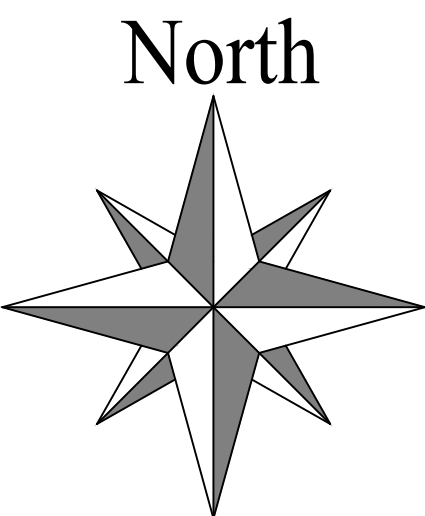




- Notes
- 1.1. All adoptable sewer works and material to be in accordance with "The Code for Adoption", The Relevant British/European and Yorkshire Water's Standards/Requirements/Addendum to the Mechanical and Electrical Specification and Kitemarked.
 2. Manhole covers shall/must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
 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/land drainage run-off into the public sewer network or adoptable drainage system (directly or in-directly). 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 Section with regard to the disposal of the filter drain/land drainage run-off.
 5. Cover slabs must carry the BSI 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 500mm x 600mm for the Yorkshire Water specified cover size. Please refer to Concrete Pipe Systems Association (CPSA), 'Technical Bulletin' issued Autumn 2004 for Kitemarked cover slab opening sizes.
 6. Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
 7. The adoptable sewers should 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). Where depth of cover to top of the sewer is less than 1.2m in highways and verges (or less than 900mm in none vehicular access then a concrete slab should be provide above granular bed and surround.
 10. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
 11. 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.
 12. Yorkshire Water policy is not to accept Type "C" brick manholes and 1050mm dia manhole rings. Instead it is preferred that you use a type "B" manhole with 1200mm dia or 1500mm dia rings, with the opening sited over the channel where depth of cover to pipe soffit is 1 - 1.5m.
 13. Adoptable plastic sewer pipes to be BSI 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 clayware channel 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 benching. Please add this note to 'Yorkshire water Notes' on all drawings.
 14. Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers are not acceptable.
 15. "There should be enough clearance to accommodate the bedding for both pipes, approx. 300mm : if crossover is near the rocker then the clearance needed may be increased"

05	15.01.21	AK	Full Hydrobrake ref added	ATK
04	08.01.21	AK	Hydrobrake spec adjusted	ATK
03	16.12.20	AK	Noted added, S7A adjusted gully connection adjusted	ATK
02	10.12.20	AK	Layout updated YWS comments	ATK
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Client
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Project
Netherton Fold
Netherton , Huddersfield

Title
Section 104 Plan

Drawn	AM	Checked	SS	Scale	1:500
Date	Oct 20	Date	Oct 20		
Status	Planning			Original Size	A1
Drawing No	P19-00650-M2-C-031			Rev	5