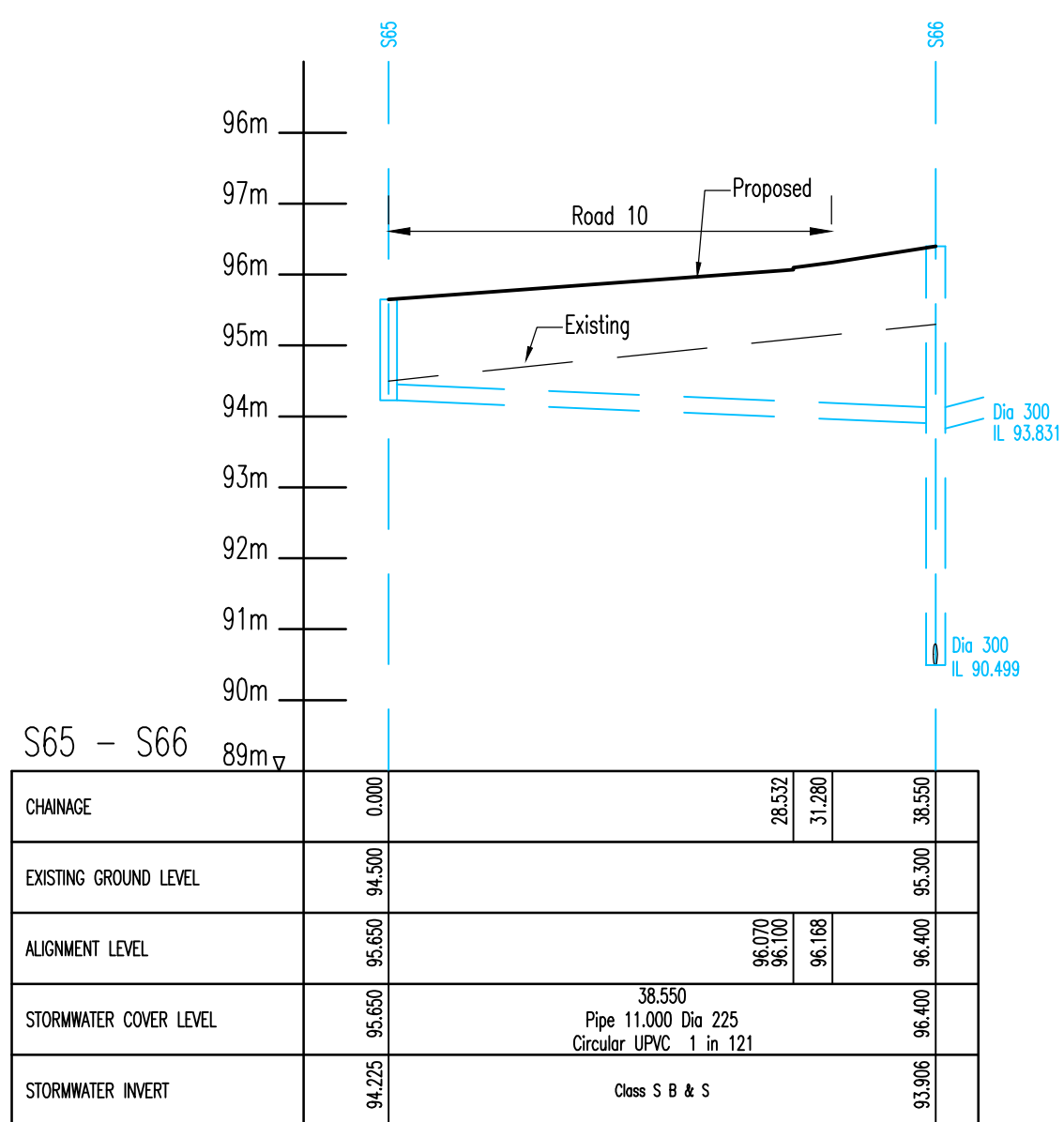
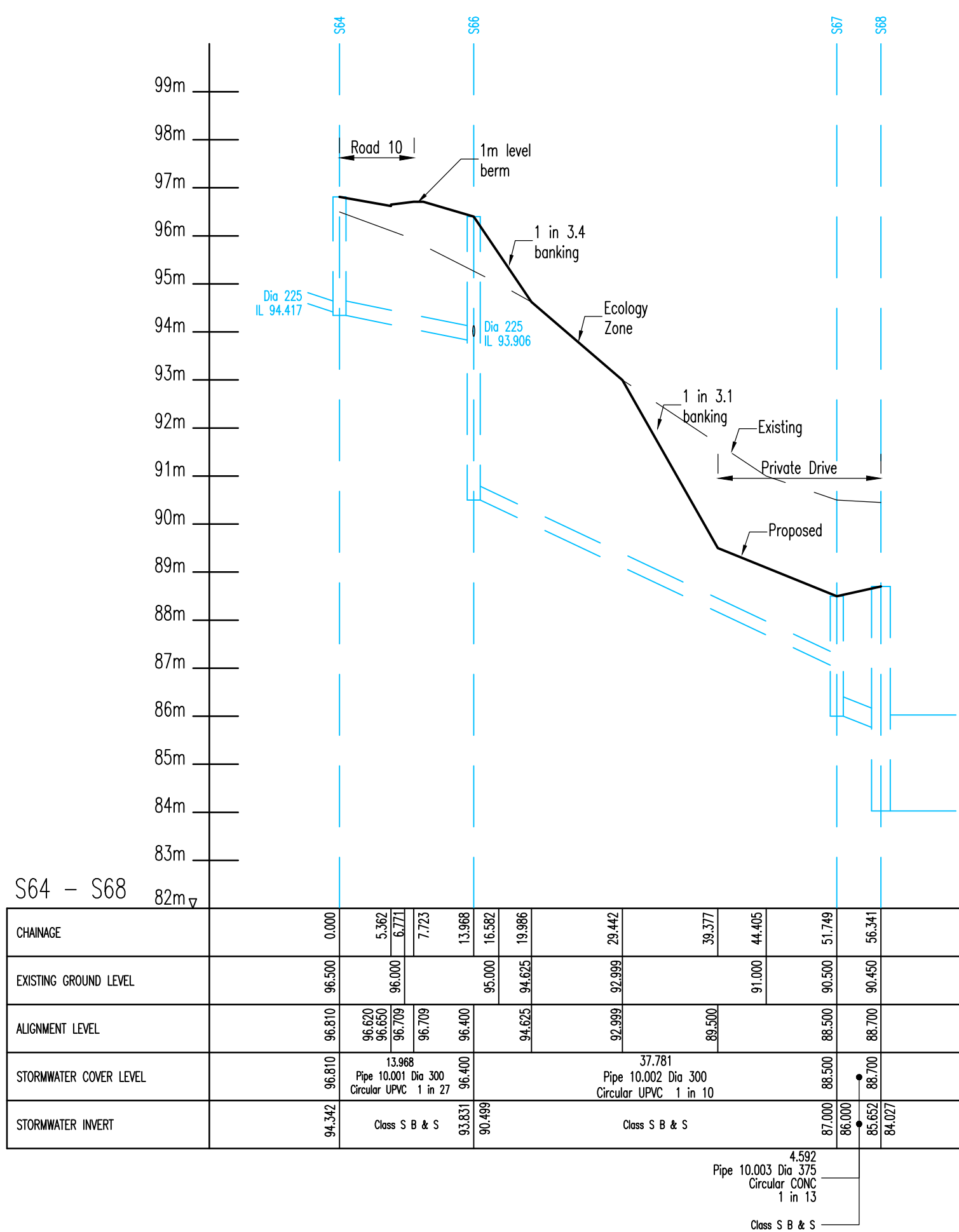
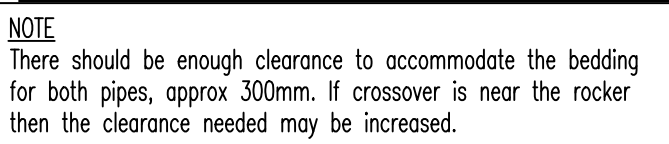




- N O T E S**

Yorkshire Water General Notes

 1. All adoptable sewer works and material to be in accordance with "Sewers for Adoption" 6th Edition, 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. Cover slabs must carry the BS1 Kitemark or be rejected by the Yorkshire Water inspector. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a loading bearing slab must be fitted above the cover slab to bring the size down to 600x600mm for the Yorkshire Water specified cover size. Please refer to the Concrete Pipe Systems Association (CPSA), "Technical Bulletin" issued under 2004 for kitemarked cover slab opening sizes.
 5. All adoptable sewer pipes must be a minimum of 1m and (unless 0.5m from kerb faces and service margins).
 6. Sewers must have 5 metres clearance from trees and hedges, please refer to Figure 2.3 on page 33 in "Sewers for Adoption" 6th Edition for restrictions on tree planting adjacent to Sewers).
 7. Sewers to be laid in Class "S2" 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 non-vehicle access areas) then a concrete slab support must be provided above the ground surface.
 8. Adoptable plastic sewer pipes to be BS1 Kitemarked (Certified to WIS 4-35-01 and BS/EN13476). Adoptable sewer pipes to be laid in maximum 3 metre lengths unless there is a specific operational need to lay longer.
 9. Plastic channel sections in manholes are not acceptable and UPW/UCare is preferable. Plastic channels are difficult to set in concrete and a satisfactory finish cannot be obtained on the benching.
 10. The changing of manhole rings from one connection to the next may need to be increased an increment to accommodate the connections and bends.
 11. Yorkshire Water pipe is not to accept type "C" brick manhole 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.
 12. Surface water and foul rising mains to be provided with marker tape above the rising mains.
 13. If plastic pipes are to be used then the following should apply:-
 - a. All adoptable sewers to be BS1 Kitemark (certified to WIS 4-35-01 and BS/EN13476).
 - b. Bedding and backfill material to conform to the requirements of Water industry Specification 4-08-02 (Table A2)
 14. Where plastic pipes are proposed for adoptable sewers, structural calculations for the plastic pipes and a site investigation report to prove that the ground condition is suitable for the plastic pipes to be produced.
 15. Where plastic pipes are installed into the ground prior to getting full technical approval, the developer must provide a CCTV survey of the prospectively adoptable sewers and a deformation test (Light-Line test) of the plastic pipes.
 16. Demarcation chambers to be a min. 450mm chamber for 100mm foul & 150mm surface water pipes up to 1.2m deep. For depths greater than 1.2m, restricted access opening of 750mm dia to be provided for safety reasons.
 17. Maximum depth of demarcation chamber to be 2m, where depth exceeds 2m, manhole to be constructed as type B manhole.
 18. 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.
 19. Surface Water is to be obliged to accept filter drain/land drainage runoff into the public sewer network or adoptable drainage system (directly or in-directly). An alternative method of disposal of the land drainage runoff will therefore be required and you will have to liaise with the Land Drainage Authority/Land Drainage Section with regard to the disposal of the filter drain/land drainage runoff is required.
 20. Sulpate resisting cement (C20-D22) and precast concrete products must be used or a laboratory report proving (showing that such precautions are not necessary).
 21. Strength of vitrified CLAY pipes (if used) to be 40KN/m for 1000, 40KN/m for 1250, 40KN/m for 1500 and 40KN/m for 2000. All concrete pipes to be Class 120 concrete to EN 1916/BS 5911-1:2000.
 22. All levels of existing drainage to be confirmed prior to work commencing on site.
 23. The contractor must allow for any fee's required for road and sewer opening permits, sewer connections and make the appropriate applications.

REFER TO
Y045-ARP-XX-DR-C-272_272_143_03.01,
Y045-ARP-XX-DR-C-272_272_143_03.02 &
Y045-ARP-XX-DR-C-272_272_143_03.03
CROSSOVER LOCATIONS

SUBJECT TO THE
APPROVAL OF
ALL RELEVANT
AUTHORITIES

B	DJG	22.04.21	Off-road longsections updated	MI	
A	DJG	24.03.21	Updated to suit architects layout Rev P	MI	
/	DJG	26.02.21	Issued for approval	MI	MI
Rev	By	Date	Revision	Chk	Apvd

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TITLE

LONGITUDINAL SECTIONS
SHEET 8 OF 8

PROJECT

SOOTHILL LANE,
BATLEY

CLIENT
KEEPMOAT HOMES

DRAWING STATUS

PRELIMINARY

Scale	Date	Drawn	DJG
1:500H 1:100V @ A1	FEB 21	Chk.	MI

Dwg. No. Y045-ARP-XX-DR-C-272_143_06.08 Rev B