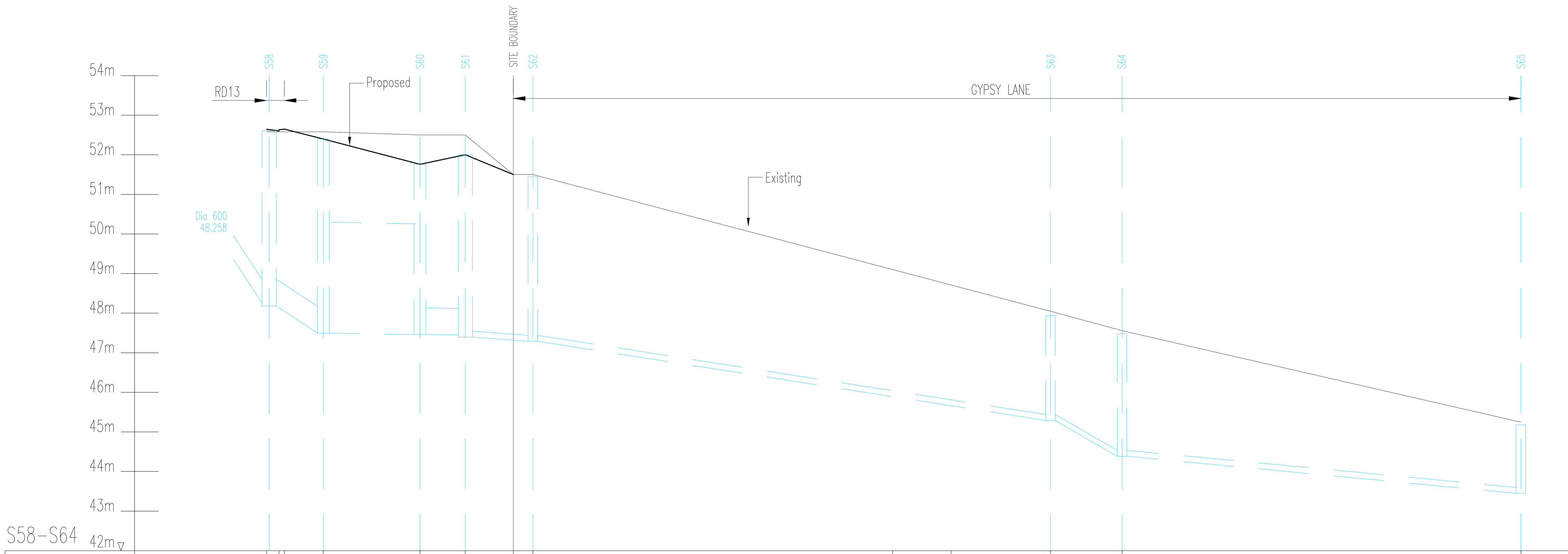
S58–S64



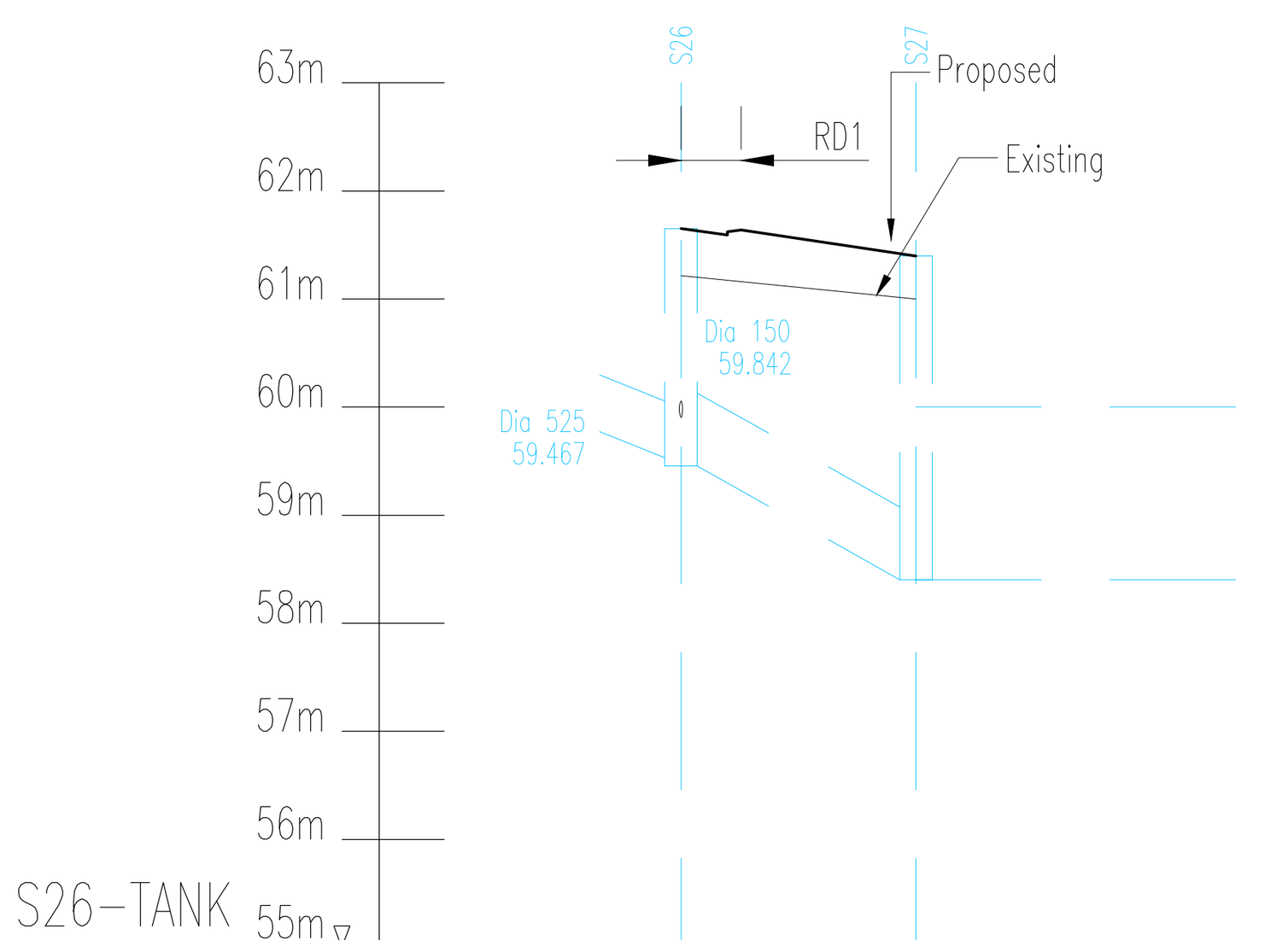
CHAINAGE	0.000	1.562	2.237	7.162	19.361	25.091		31.150	33.628		79.051	86.432	98.996		108.021		158.397
EXISTING LEVEL	52.580	52.633		52.580	52.500	52.500		51.500	51.500				48.050		47.555		45.245
PROPOSED LEVEL	52.650	52.603	52.650	52.400	51.760	52.000		51.500									
SURFACE WATER – STORMWATER COVER LEVEL	52.650			52.400	51.760	52.000	Dia 150 Circular UPVC 1 in 80		51.500	Dia 150 Circular UPVC 1 in 33			48.050	Dia 150 Circular UPVC 1 in 10	47.555	Dia 150 Circular UPVC 1 in 54	45.245
SURFACE WATER – STORMWATER INVERT	48.183			47.498	47.458	47.446 / 47.396	8.528 Pipe 1.014 Class S B & S		47.289	65.368 Pipe 1.015 Class S B & S			45.289	9.025 Pipe 1.016 Class S B & S	44.386	50.375 Pipe 1.017 Class S B & S	43.449

Dia 675
Circular CONC
1 in 12
8.081
Pipe 1.011
Class S B & S

(L) & (W) as shown on 0425/87/03.01 & 03.02
2.8m (d) Modular Cell Tank
1 in 305

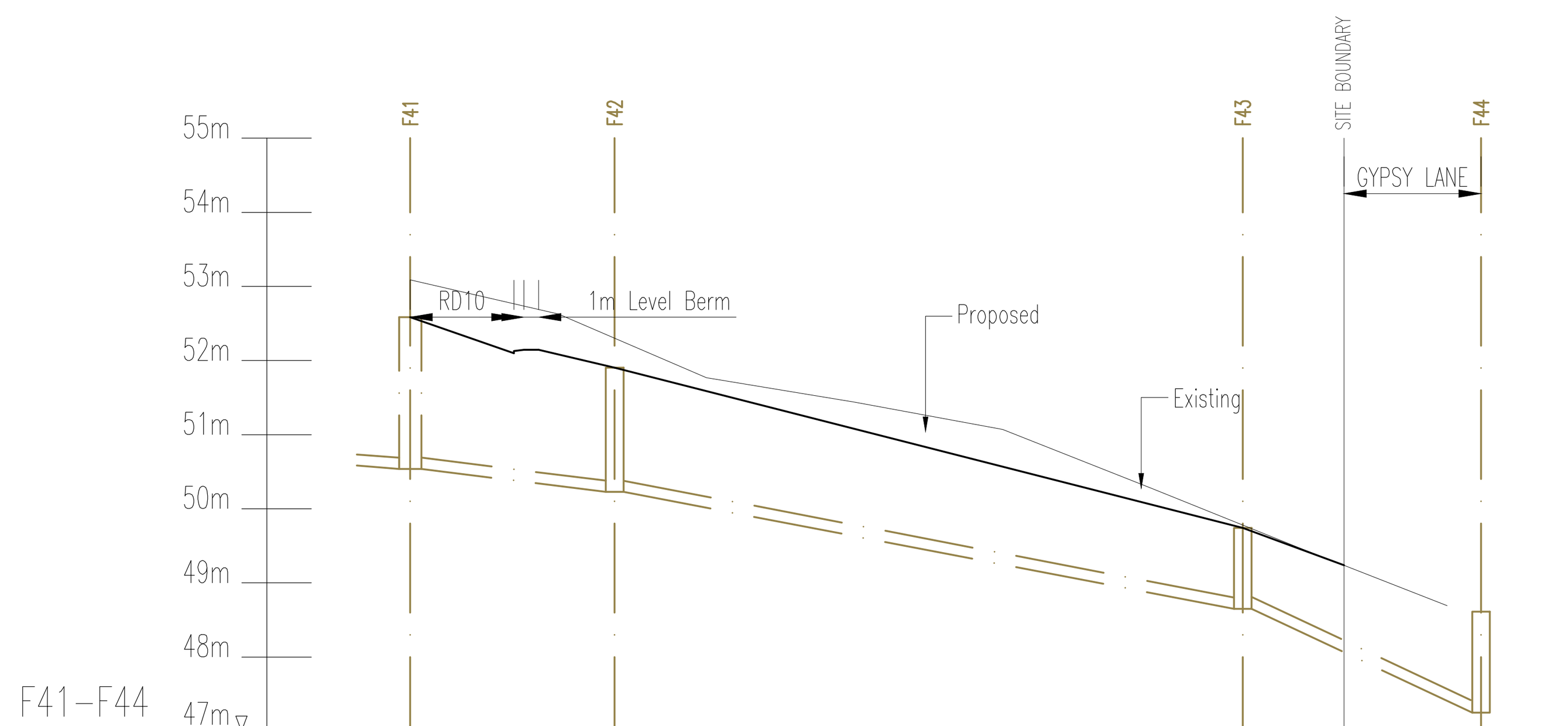
Dia 600
Circular CONC
1 in 477
5.730
Pipe 1.013
Class S B & S

S26–TANK



CHAINAGE	0.000	2.144	2.779		10.871
EXISTING LEVEL	61.215		61.624		61.000
PROPOSED LEVEL	61.650	61.594	61.640		61.400
SURFACE WATER – STORMWATER COVER LEVEL	61.650			Dia 600 Circular CONC 1 in 11	61.400
SURFACE WATER – STORMWATER INVERT	59.392			11.156 Pipe 1.017 Class S B & S	58.411

F41–F44



CHAINAGE	0.000	7.004	7.679	8.679	10.00	13.798	20.000	30.000	40.000	50.000	56.208	60.000	66.840	72.294
EXISTING LEVEL	53.087		52.130		52.628		51.769	51.348	51.070	50.278		49.475		48.693
PROPOSED LEVEL	52.880	52.100		52.146		51.905					49.740			49.350
FOUL WATER – FOULWATER COVER LEVEL	52.880		Dia 150 Circular UPVC 1 in 80			51.905		Dia 150 Circular UPVC 1 in 23			50.000	Dia 150 Circular UPVC 1 in 14		48.605
FOUL WATER – FOULWATER INVERT	50.400		13.798 Pipe 1.010 Class S B & S			50.228		42.410 Pipe 1.011 Class S B & S			48.650	16.086 Pipe 1.011 Class S B & S		47.250

N O T E S

Yorkshire Water General Notes

1. All adoptable sewer works and material to be in accordance with "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 ear opening of 600mm and shall be ass D400 to BS EN 124 with 150mm deep frames in highways.
3. Fled ground must be fled 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 BSI Kitemark or wl be rejected by the Yorkshire Water inspector. Where the ear 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 600x600mm for the Yorkshire Water specified cover size. Please refer to the Concrete Pipe Systems Association (CPSA), 'Technical Bulletin' issued autumn 2004 for kitemarked cover slab opening sizes.
5. The adoptable sewers should be a minimum of 1m and manholes 0.5m from kerb faces and service margins.
6. Sewers must have 5 metres earance from trees and hedges, (please also 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 ass "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 areas) then a concrete slab should be provided above the granular bed and surround.
8. Adoptable plastic sewer pipes to be BSI 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 lengths.
9. Plastic channel sections in manholes are not acceptable and UPVCware is preferable. Plastic channels are difficult to set in concrete and a satisfactory finish cannot be obtained on the benching.
10. 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.
11. Yorkshire Water policy 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 BSI Kitemark (certified to WIS 4–35–01).
    b. Bedding and backfl 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 are 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. 450mmø chamber for 100mmø foul & 150mmø surface water pipes up to 1.2m deep. For depths greater than 1.2m, restricted access opening to 350mm is required 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 sizes to accommodate standard lifting keys. Screw down covers are not acceptable.
19. Yorkshire Water is not obliged to accept fter 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 wl therefore be required and you wl have to liaise with the Land Drainage Authority/Land Drainage Section with regard to the disposal of the fter drain/land drainage runoff is required.
20. Sulphate resisting cement (C20–DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
21. The minimum crushing strength for UPVC pipes should be as follows : 100mm dia. 40KN/m, 150mm dia. 40KN/m, 225mm dia. 45KN/m and 300mm dia. 72KN/m. The minimum crushing strength for concrete pipes should be – (ass 120 to EN 1916/BS5911–1 2002). Plastic pipes should conform to WIS 4–35–01 and BS EN13476.
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.
24. Bedding and backfl material to conform to the requirement of Water Industry Specification 4–08–02 (Table A2).

REFER TO 0425/87/03.01 & 03.02 CROSSOVER LOCATIONS

SUBJECT TO THE APPROVAL OF ALL RELEVANT AUTHORITIES

NOTE
There should be enough earance to accommodate the bedding for both pipes, approx 300mm. If crossover is near the rocker then the earance needed may be increased.

Rev	By	Date	Revision	Chk	Apvd
B	JMG	08.07.22	Updated for IWNL submission		MI
A	JMG	27.06.22	Revised to Millers Layout & new road design		MI
/	DJG	27.05.22	Issued for approval	MI	MI

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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 5 OF 5

PROJECT
GYPSY LANE,
WOMBWELL

CLIENT
MLER HOMES
(YORKSHIRE) LTD

DRAWING STATUS
PRELIMINARY

Scale	Date	Drawn	Chk.
1:500H 1:100V @ A1	MAY 22	DJG	MI

Drg. No. 0425/87/06.05 Rev B