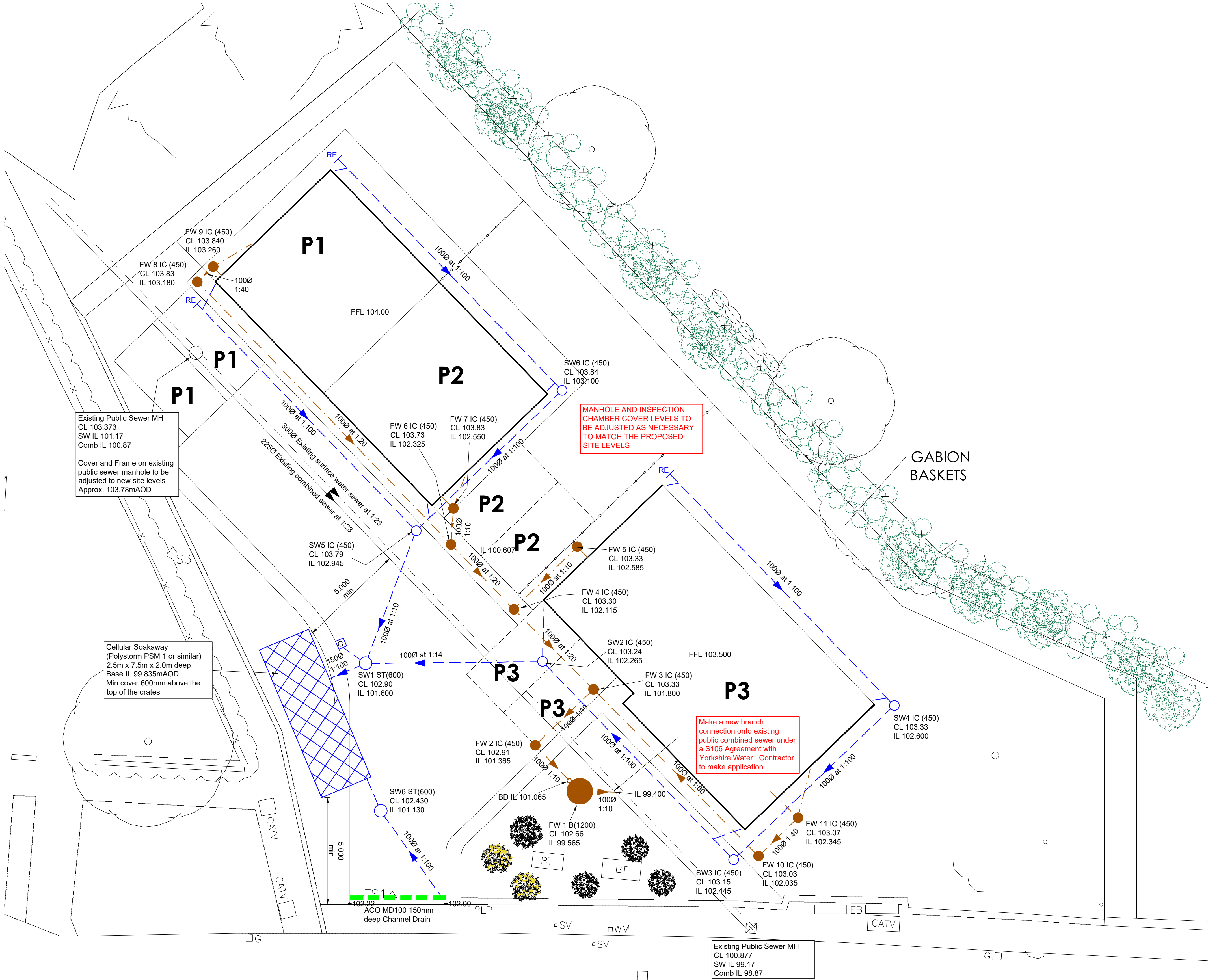


NOTES

1. DO NOT SCALE - Use figured dimensions only.
2. All dimensions shown are in millimetres unless otherwise stated.
3. The Contractor is to verify all dimension on site before commencing work or preparing shop drawings.
4. This drawing is to be read in conjunction with all Engineers and Architects drawings and specifications.
5. 100 & 150 dia. pipes to be vitrified clay (FH40kN/m) & 225 dia. pipes to be vitrified clay (FH45kN/m) to B.S EN295-1, Hepworth or similar.
300, 375 & 450 dia. pipes to be Class 120 concrete to B.S. 5911 Part 1:2002.
- Plastic structural wall sewer pipes to be Wavin Plastic Drainage to BS. EN13476-1/2 and WIS-4-35-01. Kitemarked.
- Plastic pipes less than 500mm. dia. shall be a nominal short term ring stiffness not less than 8kN/m². (SN8).
- Plastic pipes greater than 500mm. dia. shall have a nominal short term ring stiffness not less than 2kN/m². (SN2), unless supported by design calculations.
- Plastic chambers & rings to BS. EN13598-1and 2. Kitemarked.
- Drainage pipes to be laid in maximum 3m lengths.
6. All pipe connections at manholes to be soffit to soffit.
7. Sulphate resistant cement (C20-DC2) and precast concrete products must be used or a laboratory report provided proving that such precautions are not necessary.
8. All sewer works and materials to be in accordance with "Sewer For Adoption 6th Edition", The Relevant British /European and Yorkshire Water's Standards / Requirements / Addendum and KITEMARKED.
9. 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. Refer to manhole schedule for all other Class of manhole covers. Where a B125 cover and frame are specified these must be coated in plastic and and must have lifting eyes suitably sized to accommodate standard lifting keys.
10. Cover slabs must carry the BSI Kitemark. Where the clear opening of the Kitemarked product is different to that of the cover and frame, a load bearing slab should be fitted above the cover slab to bring the size down to 600x600mm. Refer to Concrete Pipe Systems Association (CPSA), 'Technical Bulletin' issued Autumn 2004 for Kitemarked cover slab opening sizes.
11. 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 areas) then a concrete slab should be provided above granular bed and surround. Refer to drainage details.
12. Bedding and backfill material to conform to the requirement of Water Industry Specification 4-08-02 (Table A2).
13. 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.
14. Plastic Channel Sections in manholes are not acceptable and clayware is required.
15. All gully connections to be 150 dia. at 1 : 150 fall.
16. Gully connections to be encased in concrete (GEN3) 150th. where depth of cover is less than 1.2m. 18mm. Flexcell board to be provided at each pipe joint.



P1	PRELIMINARY ISSUE	RKG	JR	15.11.2020	
Rev	Description	Dr	Ch	Date	
Client	FOUNTAIN DEVELOPMENTS				
Project	GREENSIDE LANE, HOYLAND BARNLEY				
Title	DRAINAGE PLAN				
<div><div>JR</div><div>J ROBERTS DESIGN LTD</div><div>STRUCTURAL AND CIVIL ENGINEERING CONSULTANTS</div><div>Tel: 01709 917154</div><div>www.jrobertsdesignltd.com</div></div>		Sheet Size	A1	Scale	1:100
		Drawn	RKG	Drawing Number	2640/01
		Checked	JR		
		Approved	JR		
					Rev