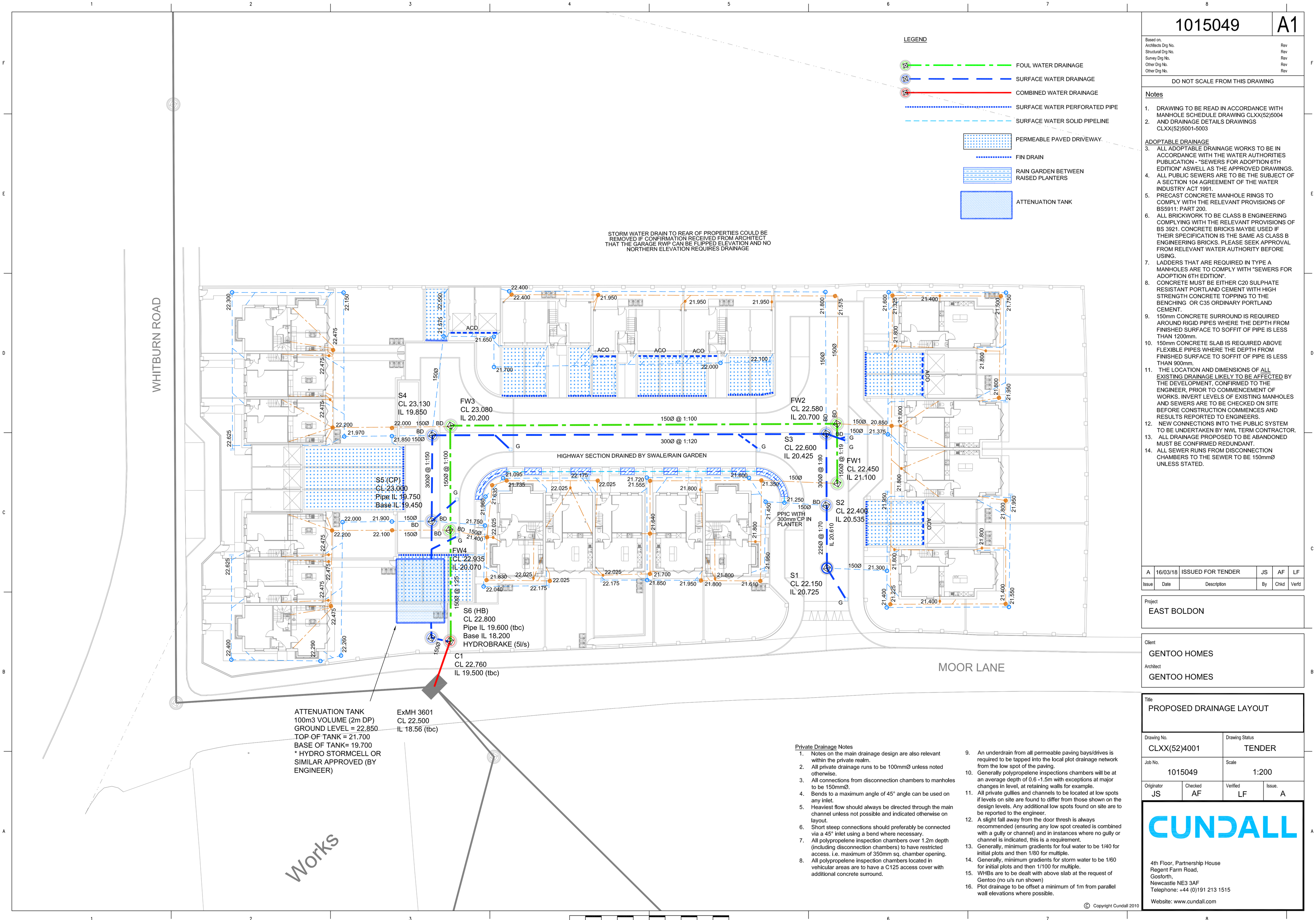

Private Drainage Notes

1. Notes on the main drainage design are also relevant within the private realm.
2. All private drainage runs to be 100mmØ unless noted otherwise.
3. All connections from disconnection chambers to manholes to be 150mmØ.
4. Bends to a maximum angle of 45° angle can be used on any inlet.
5. Heaviest flow should always be directed through the main channel unless not possible and indicated otherwise on layout.
6. Short steep connections should preferably be connected via a 45° inlet using a bend where necessary.
7. All polypropelene inspection chambers over 1.2m depth (including disconnection chambers) to have restricted access. i.e. maximum of 350mm sq. chamber opening.
8. All polypropelene inspection chambers located in vehicular areas are to have a C125 access cover with additional concrete surround.
9. An underdrain from all permeable paving bays/drives is required to be tapped into the local plot drainage network from the low spot of the paving.
10. Generally polypropelene inspections chambers will be at an average depth of 0.6 -1.5m with exceptions at major changes in level, at retaining walls for example.
11. All private gullies and channels to be located at low spots if levels on site are found to differ from those shown on the design levels. Any additional low spots found on site are to be reported to the engineer.
12. A slight fall away from the door thresh is always recommended (ensuring any low spot created is combined with a gully or channel) and in instances where no gully or channel is indicated, this is a requirement.
13. Generally, minimum gradients for foul water to be 1/40 for initial plots and then 1/80 for multiple.
14. Generally, minimum gradients for storm water to be 1/60 for initial plots and then 1/100 for multiple.
15. WHBs are to be dealt with above slab at the request of Gentoo (no u/s run shown)
16. Plot drainage to be offset a minimum of 1m from parallel wall elevations where possible.

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Based on.

Architects Drg No.	Rev
Structural Drg No.	Rev
Survey Drg No.	Rev
Other Drg No.	Rev
Other Drg No.	Rev

DO NOT SCALE FROM THIS DRAWING

Notes

1. DRAWING TO BE READ IN ACCORDANCE WITH MANHOLE SCHEDULE DRAWING CLXX(52)5004
2. AND DRAINAGE DETAILS DRAWINGS CLXX(52)5001-5003

ADOPTABLE DRAINAGE

3. ALL ADOPTABLE DRAINAGE WORKS TO BE IN ACCORDANCE WITH THE WATER AUTHORITIES PUBLICATION - "SEWERS FOR ADOPTION 6TH EDITION" ASWELL AS THE APPROVED DRAWINGS.
4. ALL PUBLIC SEWERS ARE TO BE THE SUBJECT OF A SECTION 104 AGREEMENT OF THE WATER INDUSTRY ACT 1991.
5. PRECAST CONCRETE MANHOLE RINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS5911: PART 200.
6. ALL BRICKWORK TO BE CLASS B ENGINEERING COMPLYING WITH THE RELEVANT PROVISIONS OF BS 3921. CONCRETE BRICKS MAYBE USED IF THEIR SPECIFICATION IS THE SAME AS CLASS B ENGINEERING BRICKS. PLEASE SEEK APPROVAL FROM RELEVANT WATER AUTHORITY BEFORE USING.
7. LADDERS THAT ARE REQUIRED IN TYPE A MANHOLES ARE TO COMPLY WITH "SEWERS FOR ADOPTION 6TH EDITION".
8. CONCRETE MUST BE EITHER C20 SULPHATE RESISTANT PORTLAND CEMENT WITH HIGH STRENGTH CONCRETE TOPPING TO THE BENCHING OR C35 ORDINARY PORTLAND CEMENT.
9. 150mm CONCRETE SURROUND IS REQUIRED AROUND RIGID PIPES WHERE THE DEPTH FROM FINISHED SURFACE TO SOFFIT OF PIPE IS LESS THAN 1200mm.
10. 150mm CONCRETE SLAB IS REQUIRED ABOVE FLEXIBLE PIPES WHERE THE DEPTH FROM FINISHED SURFACE TO SOFFIT OF PIPE IS LESS THAN 900mm.
11. THE LOCATION AND DIMENSIONS OF ALL EXISTING DRAINAGE LIKELY TO BE AFFECTED BY THE DEVELOPMENT, CONFIRMED TO THE ENGINEER, PRIOR TO COMMENCEMENT OF WORKS. INVERT LEVELS OF EXISTING MANHOLES AND SEWERS ARE TO BE CHECKED ON SITE BEFORE CONSTRUCTION COMMENCES AND RESULTS REPORTED TO ENGINEERS.
12. NEW CONNECTIONS INTO THE PUBLIC SYSTEM TO BE UNDERTAKEN BY NWL TERM CONTRACTOR.
13. ALL DRAINAGE PROPOSED TO BE ABANDONED MUST BE CONFIRMED REDUNDANT.
14. ALL SEWER RUNS FROM DISCONNECTION CHAMBERS TO THE SEWER TO BE 150mmØ UNLESS STATED.

Issue	Date	Description	By	Chkd	Verfd
A	16/03/18	ISSUED FOR TENDER	JS	AF	LF

Project
EAST BOLDON

Client
GENTOO HOMES

Architect
GENTOO HOMES

Title
PROPOSED DRAINAGE LAYOUT

Drawing No.	Drawing Status
CLXX(52)4001	TENDER
Job No. 1015049	Scale 1:200

Originator	Checked	Verified	Issue.
JS	AF	LF	A

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