DWG INFO: N:\CLARKE BOND UK LTD – PROJECTS\WB03050 – WHITE ROCK RESIDENTIAL\DRAWINGS\CURRENT\WB03050 – 190 PHASE 1 SECTION 104 LAYOUT

CDM RESIDUAL RISKS

The work shown on this drawing is both familiar to the designers and routinely safely built in similar circumstances by competent contractors.

Risks are not considered significant.

Relevant data is included in the Pre-Construction Information Pack

Signed: Date:

DO NOT SCALE THIS DRAWING

CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER

KEY

- EXISTING STORM SEWER
- ADOPTABLE HIGHWAY MANHOLE
- ADOPTABLE HIGHWAY DRAIN
- HIGHWAY GULLY
- EXISTING FOUL SEWER
- ADOPTABLE FOUL MANHOLE
- ADOPTABLE FOUL SEWER
- ADOPTABLE FOUL RISING MAIN

Notes

- The planning, design and construction of sewers shall be in accordance with Sewers for Adoption 7th Edition (2012), a design and construction guide for developers, the Civil Engineering specification for the Water Industry 7th Edition. The pumping station is to be constructed to Sewers for Adoption 6th Edition (2006) and South West Water amendments to CESWI dated May 1999.
- The minimum size of sewer where guide bars, safety chains, or other safety devices are required in Manholes shall be 375mm diameter.
- All type 1 & 2 manholes should have a concrete surround. Concrete rings shall be sealed using "Tokstrip" and lifting eyes pointed with resin modified mortar.
- Compliance with Health & Safety matters on any trench/manhole is obligatory and a permit to enter a confined space is required when connecting site drainage to the existing public sewerage system. A permit to enter a confined space will be obtained from SWW Ltd prior to the works commencing on any public sewerage system.
- Where the proposed site drainage connects to the public sewerage system either by new junction, new manhole or at an existing manhole, it will require the submission of an application for sewer connection form to SWW Ltd prior to works commencing.
- MH covers & frames shall be ductile iron with a minimum square opening of 675 x 675mm. Covers shall be double triangle for 675mm square openings and be provided with loose bolted connections. Frame depth shall be 150mm. Type 3 inspection chambers to have access opening restricted to 350ø or 300x300 if depth to invert > 1m.
- The use of ladders or steps in manholes, wet wells and valve chambers shall comply with the following: Steel plastic encapsulated MH single step shall not be used in MHs of a greater depth than 1.0m. Steel plastic encapsulated double steps may be provided in MHs up to 3.0 in depth. Ladders shall be provided in accordance with BS4211 in between 3.0 & 6.0m deep. MHs greater than 6.0m deep shall be specially designed and have intermediate landings. Access holes in intermediate landings shall be provided with galvanized mild steel gratings to prevent persons falling through. The design of deep MHs shall permit the use of a winch or lifting gear mounted at ground level in case of emergencies.
- Only low carbon steel or stainless steel ladders for vertical fixing to MHs will be acceptable.
- Proposed adoptable sewers are only permitted to have other sewer/gully connections and other services laid at an angle of between 45 degrees and 90 degrees across the line with a vertical clearance in excess of 300mm.
- All ironwork to be kite marked by BSI or certified by equal inspection authority.
- Red coloured plastic marker tape at least 150mm wide shall be laid at a minimum of 200mm above the soffit of the pipe. The tape shall be printed with the words gravity sewer in bold capital letters throughout its length and at intervals not exceeding 700mm and shall incorporate a corrosion resistant tracing system for non-metallic pipes.
- Minimum backdrops height shall be 1.0m.
- A debris screen shall be used in conjunction with manholes F11,F94,F202,S6A,S52 and S120. Refer to Dwg No: WB03050/164 for details.
- All laterals to be circular PVCU laid in Class S bed and surround to sizes and gradients shown

Rev	Detail	By	Chk	Date
C	Lateral note added to suit SWW requirements	NC		17.11.14
B	Storm removed from S104 adoption. Gully positions changed, Road 1–CH 10. Additional column note added to dwg.	MLS	NC	08.10.14
A	Issued for approval	NC		23.04.14

Revisions

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Client

LINDEN HOMES

Project

EASTERN BOWL
RESIDENTIAL DEVELOPMENT
WHITE ROCK
TORBAY

Drawing Title

PHASE 1
SECTION 104 LAYOUT

Drawing Status

FOR APPROVAL

Project No.	Discipline	Drawing No.
WB03050	C	190

Scale	Date	Revision
1:500	14.02.141	C

Drawn	Checked	Sheet Size
MRD		A1