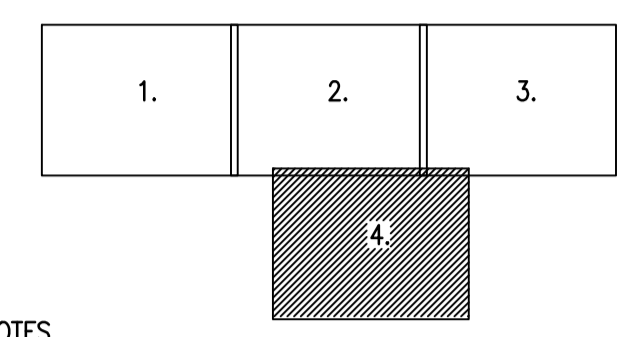


**NOTES**

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 CONTRACTORS MUST CHECK ALL DIMENSIONS ON SITE. ONLY FIGURED DIMENSIONS ARE TO BE WORKED FROM. DISCREPANCIES MUST BE REPORTED IMMEDIATELY TO JUBB CONSULTING ENGINEERS LIMITED BEFORE PROCEEDING.  
 THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE CURRENT ENGINEERING SPECIFICATIONS AND RISK ASSESSMENTS.  
 ALWAYS CHECK FOR LATER REVISIONS OF THIS DRAWING.



**NOTES**  
 1. SURVEY RELATED TO OSGB36. REFERENCE POINT TAKEN ON WALL ALONG BRIXHAM ROAD LEVEL 75.07m AOD. (WALL NO LONGER IN EXISTANCE) COORDS OF DATUM POINT: 287555.548E 58849.081N

- LEGEND**
- Proposed Foul Water Sewer
  - Proposed Surface Water Highway Sewer
  - Existing Highway Water Drain
  - Proposed Highway Water Gully & Spur To be Adopted S3B
  - End of foul / surface water connection to have a stopper end to be marked
  - Proposed Site Boundary
  - Proposed Highway Boundary

REV	DATE	DESCRIPTION	DR'N	CHK	APP'D	ENG
L	16:07:12	CONSTRUCTION ISSUE				
K	28:02:12	Add & Omits				
J	11:02:12	Visibility splays added to proposed junction, footpath widened & landscaping added to suit. Foul sewer connections removed from S104 agreement. Revision clouded for clarity.				

Issue Status

<input type="checkbox"/> CONCEPT	<input checked="" type="checkbox"/> CONSTRUCTION
<input type="checkbox"/> PRELIMINARY	<input type="checkbox"/> H&S FILE ISSUE
<input type="checkbox"/> TENDER	<input type="checkbox"/>

Project

**BRIXHAM ROAD PAIGNTON**

Detail

**REGRADE & DRAINAGE LAYOUT SHEET 4 OF 4**

Client/Architect

**CAVANNA HOMES (SW LTD)  
 PARKBAY DEVELOPMENTS LTD**

Scale @ A1

**1:200**

Project Ref	Drawing No	Rev
<b>P9464</b>	<b>H128</b>	<b>L</b>

**Jubb**  
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**NOTES**

- To be read in conjunction with Engineer's current drainage construction details P9464/H123 and specification document H120.
- All levels are related to Ordnance Survey.
- The planning, design and construction of sewers shall be carried out in accordance with 'Sewers for Adoption' 6th Edition, a design and construction guide for developers, the Civil Engineering Specification for the Water Industry 6th edition 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 in diameter.
- All type A, B and E manholes should have a concrete surround. Concrete rings shall be sealed using 'Takstrip' and lifting eyes painted with resin modified mortar.
- Compliance with Health and Safety matters on any trench/manhole is obligatory and a permit to enter a confined space is required when connecting site drainage to 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. Contractor to provide Method Statement and approval prior to the works commencing on any public sewerage system.
- Manhole covers and frames shall be ductile iron with a minimum square opening of 675x675mm. Covers shall be double triangle for 675mm square openings and be provided with loose bolted connections. All manhole frames shall typically be 150mm deep but in all cases shall comply with CESWI cl 5.2.32 & Table 5.7 (SFA6 page 124). The manhole frames shall be bedded on resin modified mortar.
- Manhole covers shall be marked FW for foul water manholes and SW for surface water manholes.
- The use of ladders or steps in manholes, wet wells and valve chambers shall comply with the following: Steel plastic encapsulated MH single steps shall not be used in manholes of a greater depth than 1m. Steel plastic encapsulated double steps (polypropylene encapsulated type to comply with BS 4-33-01) may be provided in manholes up to 3m in depth. Ladders shall be provided in accordance with BS 4211 in MHS between 3.0m & 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 manholes 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 manholes will be acceptable.

REV	DATE	DESCRIPTION	DR'N	CHK	APP'D	ENG
H	20:01:12	Drainage amended to suit Planning request for tree to roundabout.				
G	16:01:12	Amended to suit SWW technical comments of 10/01/12.				
F	20:12:11	Amended to suit SWW technical comments of 09/12/11.				
E	16:12:11	Foul manhole F9 & Highway drainage HD20 amended to suit.				
D	05:12:11	Foul manhole F9 & Highway drainage HD20 amended to suit.				
C	05:12:11	Foul manhole F12 added, foul and surface drainage amended to suit.				
B	18:11:11	TENDER ISSUE				
A	28:10:11	Layout supersedes H102-H104 series.				