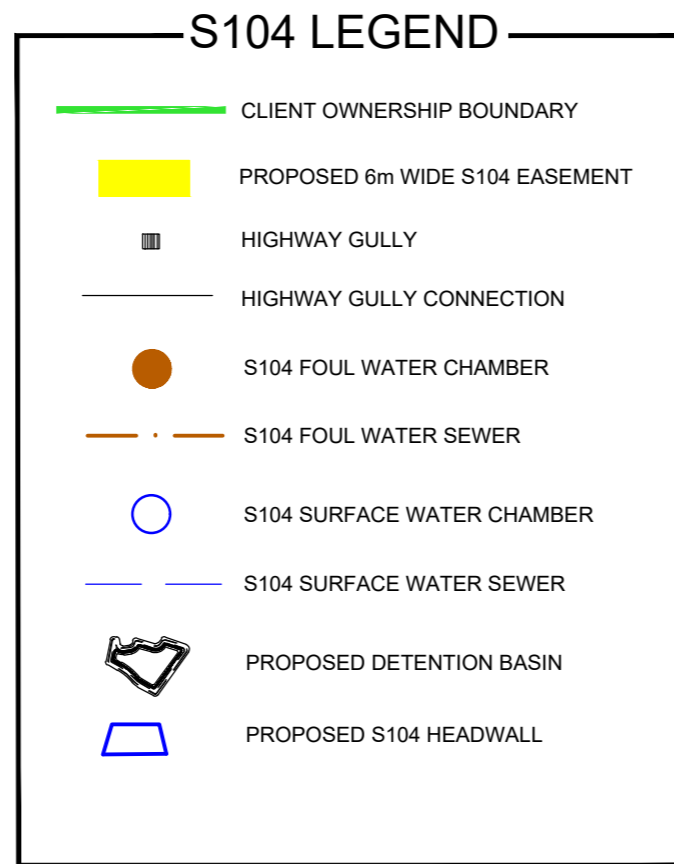


NOTE:

- DO NOT SCALE, IF IN DOUBT ASK.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL, ENGINEER'S DRAWINGS AND DETAILS, THE SPECIFICATION FOR THE WORKS, THE RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIALIST'S DRAWINGS.
- ANY DISCREPANCIES FOUND ON THIS OR ANY OTHER DRAWINGS ARE TO BE REPORTED TO AND RESOLVED BY ROSSI LONG CONSULTING BEFORE THE COMMENCEMENT OF ANY WORK RELEVANT TO THE DISCREPANCY.
- THE PRINCIPAL CONTRACTOR IS TO PROVIDE FULLY DESIGNED PROPPING/SHORING TO FACILITATE THE WORKS. ALL PROPPING & BRACING IS TO BE ADEQUATELY FOUNDED TO ENSURE THE STABILITY/INTEGRITY OF THE EXISTING PROPOSED STRUCTURES &/OR EARTHWORKS IS MAINTAINED UNLESS INDICATED ON THE DRAWINGS. THE TEMPORARY WORKS ARE NOT TO IMPOSE REACTIONS ON THE PERMANENT STRUCTURE WITHOUT PRIOR WRITTEN CONSENT FROM ROSSI LONG CONSULTING.
- THIS DOCUMENT HAS BEEN PREPARED IN ACCORDANCE WITH THE SCOPE OF ROSSI LONG CONSULTING'S APPOINTMENT WITH ITS CLIENT AND IS SUBJECT TO THE TERMS OF THAT APPOINTMENT. ROSSI LONG CONSULTING ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS CLIENT AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED. ONLY WRITTEN DIMENSIONS SHALL BE USED.
- THIS DRAWING IS BASED ON A TOPOGRAPHICAL SURVEY CARRIED OUT BY RANDALL SURVEYS (REF 16705) AND ARCHITECTURAL DRAWINGS BY PINNINGAR HAYWARD DESIGN (REF 2972).
- DIMENSIONS ARE STATED IN MILLIMETRES UNLESS SHOWN OTHERWISE. CHANGES ARE STATED IN METRES. LEVELS ARE IN METRES AND RELATED TO ORDNANCE DATUM.
- DIMENSIONS AND CO-ORDINATES SHOULD NOT BE SCALED FROM THIS DRAWING, IF IN DOUBT PLEASE ASK.
- THE CONTRACTOR IS TO VERIFY THE ACCURACY OF INFORMATION PROVIDED BY OTHERS.
- EXISTING PUBLIC UTILITY SERVICES AND PRIVATE APPARATUS ARE NOT NECESSARILY ALL SHOWN ON THIS DRAWING. THE CONTRACTOR SHALL LIAISE WITH THE APPROPRIATE UTILITY PROVIDER TO DETERMINE PRECISELY WHERE ON SITE EXISTING SERVICES ARE LOCATED. SERVICES SHALL BE LOCATED AND MARKED OUT ON SITE PRIOR TO ANY EXCAVATION WORK BEING COMMENCED.
- ALL EXISTING SERVICES, SEWERS AND DRAINS INDICATED ON THIS AND ANY OTHER RELATED DRAWINGS ARE SHOWN ONLY INDICATIVELY, AND SHALL HAVE THEIR POSITION AND LEVEL CONFIRMED ON SITE BY THE CONTRACTOR.
- THE PROPOSED ACCESS ROADS ARE TO BE OFFERED FOR ADOPTION TO CAMBRIDGESHIRE COUNTY COUNCIL UNDER A SECTION 38 AGREEMENT, WHERE NOT RETAINED AS PRIVATE AND INDICATED AS SUCH.
- ALL HIGHWAY WORKS SHALL BE CONSTRUCTED FULLY IN ACCORDANCE WITH CAMBRIDGESHIRE COUNTY COUNCIL'S SPECIFICATION, CONTAINED IN THEIR PUBLICATION 'HOUSING ESTATE ROAD CONSTRUCTION SPECIFICATION APRIL 2018' (AMENDED AUGUST 2020) AND NATIONAL HIGHWAYS' SPECIFICATION FOR HIGHWAY WORKS. THE CONTRACTOR SHALL LIAISE WITH CAMBRIDGESHIRE COUNTY COUNCIL'S HIGHWAYS DEVELOPMENT MANAGEMENT INSPECTOR WITH REGARD TO INSPECTIONS AT THE APPROPRIATE STAGES OF THE WORKS.
- FOUL WATER FROM THE DEVELOPER SHALL BE DRAINED TO AN EXISTING FOUL WATER MANHOLE LOCATED AT THE SITE ENTRANCE ONTO OX MEADOW.
- IT IS THE INTENTION THAT THE FOUL AND SURFACE WATER SEWERAGE WILL BE ADOPTED BY INDEPENDENT WATER NETWORKS LTD UNDER A SECTION 106 AGREEMENT. THEREFORE, THE SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION UNDER THE CODE OF ADOPTION AGREEMENTS FOR WATER AND SEWERAGE COMPANIES OPERATING WHOLLY OR MAINLY IN ENGLAND (THE CODE) APPROVED VERSION 12.29 JUNE 2022 AND THE CONTRACTOR SHALL LIAISE WITH INDEPENDENT WATER NETWORKS LTD WITH REGARD TO INSPECTIONS AT THE APPROPRIATE STAGES OF THE WORKS.
- CONNECTIONS TO THE EXISTING SEWER SHALL BE SUBJECT TO A S106 AGREEMENT AND THE APPROVAL OF ANGLIAN WATER AND SHALL BE CARRIED OUT BY A CONTRACTOR APPROVED BY ANGLIAN WATER. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF ANGLIAN WATER WITH REGARD TO SUBMITTING METHOD STATEMENTS, RISK ASSESSMENTS ETC FOR OBTAINING A PERMIT TO WORK ON THE SEWER.
- ALL CONNECTIONS TO ADOPTABLE SEWERS TO BE MADE IN VITRIFIED CLAY (FV) OR PVC-U (BW).

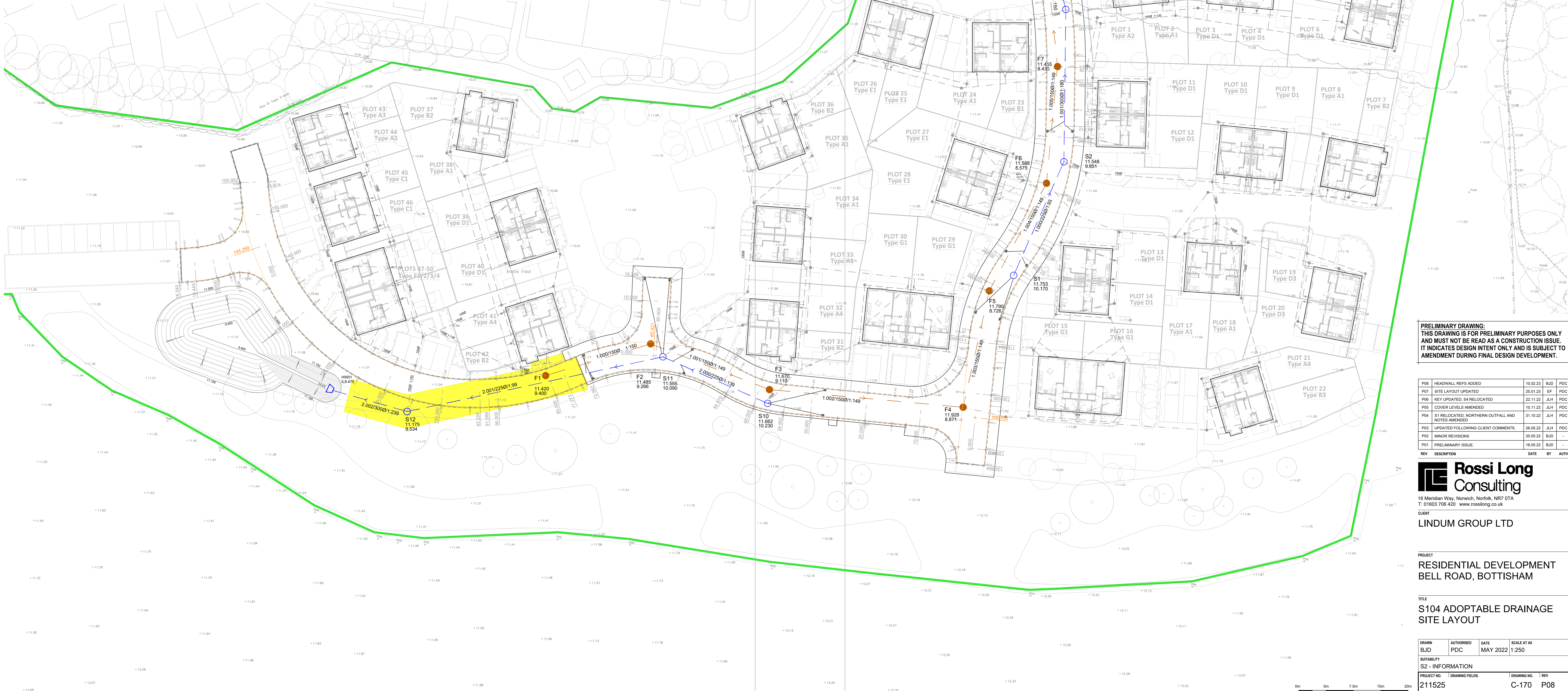
- ALL NON-ADOPTABLE DOMESTIC DRAINAGE SHALL BE SUBJECT TO INSPECTIONS BY THE LOCAL BUILDING CONTROL OFFICER. THE CONTRACTOR SHALL LIAISE WITH THE BUILDING INSPECTOR WITH REGARD TO ARRANGING INSPECTIONS AT THE APPROPRIATE STAGES OF THE WORK.
- PROTECTION TO DOMESTIC SEWERS: WHERE THE COVER TO PIPES UNDER TRAFFICKED AREAS IS LESS THAN 300mm THE PIPELINE SHALL BE PROTECTED WITH A MIN 150mm THICK CONCRETE SURROUND (BED TYPE 2).
- PROTECTION TO MAIN ADOPTABLE SEWERS: WHERE THE COVER TO PIPES UNDER THE CARRIAGEWAY IS LESS THAN 1200mm THE PIPELINE SHALL BE PROTECTED WITH A MIN 150mm THICK REINFORCED CONCRETE SLAB (BED TYPE 2).
- PROTECTION TO HIGHWAY SEWERS: WHERE THE COVER TO PIPES UNDER THE CARRIAGEWAY IS LESS THAN 1200mm THE PIPELINE SHALL BE PROTECTED BY A FULL CONCRETE BED AND SURROUND (BED TYPE 2).
- ALL PIPES ENTERING OR LEAVING MANHOLES SHALL BE LAID WITH THEIR SOFFITS LEVEL UNLESS SHOWN OR AGREED OTHERWISE.
- ALL DOMESTIC DRAINAGE PIPE LINES (NOT SHOWN) SHALL BE 100mm DIA CLAYWARE OR PVC-ULRELESS STATED OTHERWISE. 100mm DIA STORM DRAINS SHALL BE LAID AT A GRADIENT NO FLATTER THAN 1 IN 100, AND FOUL WATER DRAINS TO A GRADIENT NO FLATTER THAN 1 IN 80.
- THE SURFACE COURSE ON THE ACCESS ROAD SHALL BE DEFERRED UNTIL BUILDING WORK FOR THE WHOLE DEVELOPMENT IS COMPLETE. MEASURES TO PROTECT IRONWORK SHALL BE AGREED WITH THE HIGHWAY INSPECTOR.
- ALL WORKS WITHIN THE EXISTING HIGHWAY SHALL BE CARRIED OUT FULLY IN ACCORDANCE WITH THE NEW WORKS AND STREET WORKS ACT 1991 AND TO CHAPTER 9 OF THE TRAFFIC SIGNS MANUAL. THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN AND REMOVE UPON COMPLETION ALL TEMPORARY SIGNING REQUIRED FOR WORKS CARRIED OUT WITHIN THE HIGHWAY. THE CONTRACTOR SHALL LIAISE WITH THE STREET WORKS INSPECTOR OF CAMBRIDGESHIRE COUNTY COUNCIL WITH REGARD TO AGREED APPROPRIATE METHODS OF TRAFFIC MANAGEMENT.
- THE REINSTATEMENT OF THE EXISTING HIGHWAY SHALL BE CARRIED OUT FULLY IN ACCORDANCE WITH CAMBRIDGESHIRE COUNTY COUNCIL'S HOUSING ESTATE ROAD CONSTRUCTION SPECIFICATION APPENDIX 19. REINSTATEMENT SHALL BE PERMANENT (ON FIRST VISIT). TRENCH BACKFILL MATERIAL SHALL BE TYPE 1 GRANULAR SUB-BASE.
- THE CONTRACTOR SHALL SUBMIT TO THE STREET WORKS COORDINATOR AND UTILITY COMPANIES THE APPROPRIATE 'N' NOTICES UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL SUBMIT TO THE STREET WORKS COORDINATOR THE APPROPRIATE 'R' NOTICE.
- NO PROPRIETARY MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND RECOMMENDATIONS.
- NO TREES, HEDGES OR SHRUBS SHALL BE TAKEN UP OR OTHERWISE DAMAGED UNLESS NOTED TO THE CONTRARY ON THE DRAWINGS, OR EXPRESS PERMISSION IS FIRST OBTAINED FROM THE EMPLOYER.
- FOR PRECISE POSITIONS AND DETAILS OF DOMESTIC PATHS, SHEDS, BIN STORES, WASHING LINES ETC PLEASE REFER TO THE ARCHITECT'S DRAWINGS.
- FOR DETAILS OF LANDSCAPING AND PLANTING PLEASE REFER TO THE LANDSCAPING DRAWING PREPARED BY OTHERS. A ROOT PROTECTION BARRIER IS TO BE LAID TO A DEPTH OF 1.2m TO PROTECT THE HIGHWAY FROM DAMAGE FROM ANY TREES PLANTED OUT WITHIN 5m OF THE ADOPTED HIGHWAY. BARRIERS ARE TO BE LAID OUTSIDE THE HIGHWAY BOUNDARY.
- THE MAIN CONTRACTOR IS RESPONSIBLE FOR ACHIEVING AND MAINTAINING THE STABILITY OF EARTHWORKS AND ANY EXISTING STRUCTURES ON THE SITE AND ADJOINING SITES, TAKING ALL NECESSARY PRECAUTIONS TO SAFEGUARD THIS STABILITY. ADEQUATE SHORING IS TO BE INSERTED DURING THE WORKS TO ENSURE STABILITY AND SUCH SHORING IS TO BE ADEQUATELY FOUNDED AND BRACED.
- PRIOR TO COMMENCING ANY DRAINAGE WORKS THE CONTRACTOR SHALL CHECK AND CONFIRM BACK TO ROSSI LONG CONSULTING LTD THE EXISTING INVERT LEVELS OF ALL OUTFALLS AND/OR CONNECTIONS TO EXISTING SEWERS. ANY WORK CARRIED OUT WITHOUT DOING THIS IS ENTIRELY AT THE CONTRACTOR'S OWN RISK.
- ROSSI LONG CONSULTING 2022.



W/L DETAILS NOT YET APPROVED CONSTRUCTION OF THESE WORKS IS AT THE RISK OF THE CONTRACTOR UNTIL TECHNICAL APPROVAL

CONNECTION DETAILS TO ANGLIAN WATER SYSTEM NOT YET APPROVED CONSTRUCTION OF THESE WORKS IS AT THE RISK OF THE CONTRACTOR UNTIL S106 APPROVAL

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX NOTES: THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RISK REGISTER PROVIDED FOR INCLUSION IN THE HEALTH AND SAFETY PLAN. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.	
CONSTRUCTION RISKS	• WORKING IN HIGHWAY, EXISTING SERVICES, EXCAVATIONS
MAINTENANCE/CLEANING/USE RISKS	• NO SIGNIFICANT RISKS
DEMOLITION RISKS	• NO SIGNIFICANT RISKS



PRELIMINARY DRAWING: THIS DRAWING IS FOR PRELIMINARY PURPOSES ONLY AND MUST NOT BE READ AS A CONSTRUCTION ISSUE. IT INDICATES DESIGN INTENT ONLY AND IS SUBJECT TO AMENDMENT DURING FINAL DESIGN DEVELOPMENT.

P08	HEADWALL REFS ADDED	10.02.23	BJD	PD
P07	SITE LAYOUT UPDATED	25.01.23	EF	PD
P06	KEY UPDATED, S4 RELOCATED	22.11.22	JLM	PD
P05	COVER LEVELS AMENDED	10.11.22	JLM	PD
P04	S1 RELOCATED, NORTHERN OUTFALL AND NOTES AMENDED	31.10.22	JLM	PD
P03	UPDATED FOLLOWING CLIENT COMMENTS	26.05.22	JLM	PD
P02	MINOR REVISIONS	20.05.22	BJD	-
P01	PRELIMINARY ISSUE	16.05.22	BJD	-
REV	DESCRIPTION	DATE	BY	AUTH

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CLIENT
LINDUM GROUP LTD

PROJECT
**RESIDENTIAL DEVELOPMENT
 BELL ROAD, BOTTISHAM**

TITLE
**S104 ADOPTABLE DRAINAGE
 SITE LAYOUT**

DRAWN	AUTHORISED	DATE	SCALE/ATAS
BJD	PD	MAY 2022	1:250
SATISFACTORY			
S2 - INFORMATION			
PROJECT NO.	DRAWING FIELD	DRAWING NO.	REV
211525		C-170	P08

