

RISK SCHEDULE

ITEM DESCRIPTION OF RISK OF ACTION

Specific health and safety risks associated with these works are highlighted with the caution symbol adjacent to the item of risk. Please refer to risk schedule contained on individual drawings.

Unless highlighted there are no specific health and safety risks associated with these works, as a direct result of our design, apart from the common issues associated with construction that will need to be assessed by a competent contractor prior to the undertaking of any works.



NOTES

- THIS DRAWING IS COPYRIGHT.
- THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.
- DO NOT SCALE THIS DRAWING. THE CONTRACTOR IS TO BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCIES CONTAINED IN THIS DRAWING PRIOR TO WORK COMMENCEMENT.
- ALL 100MM PIPES OFFERED FOR ADOPTION OR BELOW HIGHWAYS TO BE EXTRA STRENGTH VITRIFIED CLAY PIPES
- ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY PIPES.
- ALL PIPES 300MM OR GREATER TO CLASS M CONCRETE
- ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.
- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH DESIGN AND CONSTRUCTION GUIDELINES, THE SPECIFICATION FOR HIGHWAY WORKS 1998 AND ALL SUBSEQUENT, AMENDMENTS AND LOCAL AUTHORITIES DESIGN GUIDE. WHERE THERE IS CONFLICT BETWEEN THESE DOCUMENTS THE MATTER SHALL BE REFERRED TO THE ENGINEER.
- FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO DESIGN AND CONSTRUCTION GUIDELINES AND UNDERTAKERS STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE.
- INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.
- WHERE SEWERS HAVE LESS THAN 1.2m OF COVER UNDER ROADS AND 0.9m COVER ELSEWHERE PIPES ARE TO HAVE A 150mm CONCRETE BED AND SURROUND.
- PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL, TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.
- ORIENTATION OF ALL ACCESS AND INSPECTION CHAMBERS TO BE IN ACCORDANCE WITH NHBC TECHNICAL GUIDANCE 5.3/01
- WHERE HOUSE DRAINAGE IS TAKEN THROUGH BLOCK CARE IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RUNS DO NOT CLASH.
- ALL ADAPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx675mm AND GRADE D400 UNO.
- ALL BELOW GROUND DRAINAGE TO BE 100mmØ UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:-
S.W : 100mm Dia. 1:100
S.W : 150mm Dia. 1:150
F.W : 100mm Dia. 1:80
F.W : 150mm Dia. 1:150
- ALL ADAPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART E CIVIL ENGINEERING SPECIFICATION INCLUDED WITH DESIGN AND CONSTRUCTION GUIDELINES

HEALTH & SAFETY:

ALL WORKS TO BE CARRIED OUT BY A CONTRACTOR COMPETENT TO UNDERTAKE THE CONSTRUCTION OF WORKS AS INDICATED ON THIS DRAWING. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE JOB SPECIFIC RISK ASSESSMENT. THE HAZARDS AND RISKS 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.

DRAINAGE LEGEND

- DENOTES AREAS OF PERMEABLE BLOCK PAVING (PRIVATE ONLY)
- DENOTES GRANULAR FILL SOAKAWAY
- DENOTES CELLULAR SOAKAWAY
- S1 ○ PROPOSED SURFACE WATER MANHOLE
- ST ○ PROPOSED SURFACE WATER SILT TRAP WITH 300mm DEEP SUMP
- F1 ○ PROPOSED FOUL WATER MANHOLE
- G □ PROPOSED GULLY CONNECTED TO SURFACE WATER SYSTEM
- SAC ● PROPOSED SURFACE WATER ACCESS CHAMBER (250mm DIA)
- FAC ● PROPOSED FOUL WATER ACCESS CHAMBER (250mm DIA)
- SIC ○ PROPOSED SURFACE WATER INSPECTION CHAMBER (450mm DIA)
- FIC ● PROPOSED FOUL WATER INSPECTION CHAMBER (450mm DIA)
- 150Ø @ 1:150 DENOTES BELOW GROUND SURFACE WATER DRAINAGE
- 150Ø @ 1:150 DENOTES BELOW GROUND FOUL DRAINAGE
- DRAINAGE EASEMENTS
- RE --- DENOTES RODDING EYE
- RWP ○ DENOTES VERTICAL RAIN WATER STACK TO GROUND
- RWP ○ DENOTES VERTICAL FOUL STACK TO GROUND
- PFD --- DENOTES PATIO FRENCH DRAIN
- PVD □ DENOTES PERMAVOID DIFFUSER UNIT

C5	05/04/2026	LOTS 161 & 176 RWP'S AMENDED AND DRAINAGE UPDATED TO SUIT.	TC
C4	18/07/2025	PLOT 149 HANDED IN ACCORDANCE WITH HGP SUB STRUCTURE PLANS, DRAINAGE AMENDED TO SUIT.	AJV
C3	12/08/2024	RWP POSITIONS FOR PLOTS 52-54, 66-69, 70-73, 103-105, 146-148, 152-154, 200-202 & 203-205 AMENDED IN LINE WITH HGP PLANS DATED 05-07-2024.	AJV
C2	06/06/2024	FOUL SEWER EASEMENTS ADDED AS REQUESTED BY IWN. MANHOLE F50 POSITION UPDATED AND MANHOLE F51 ADDED, ASSOCIATED PIPELINE GRADIENTS AMENDED.	AJV
C1	03/05/2024	PLOT 149 HANDED IN ACCORDANCE WITH HGP SUB STRUCTURE SITE PLAN DATED 26-04-2024. CONSTRUCTION ISSUE	AJV
T5	31/01/2024	SURFACE WATER MANHOLES RE-NUMBERED. SURFACE WATER DEMARCATION CHAMBERS IDENTIFIED.	AJV
rev	date	description	initials

MANSTON GREEN, RAMSGATE

Client / Architect



Title
DRAINAGE LAYOUT SHEET 2 OF 4
PHASE 1C



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date	DEC 2023	scale	1:250	size	A1	project no.	10722	drawing no.	250-5	revision	C5
drawn	EJ	checked	MD								

CONSTRUCTION
SUBJECT TO APPROVALS