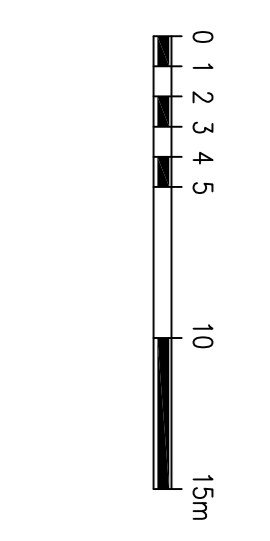


HEALTH & SAFETY:
 ALL WORKS TO BE CARRIED OUT BY A CONTRACTOR COMPETENT TO UNDERTAKE THE CONSTRUCTION OF WORKS AS INDICATED ON THIS DRAWING. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE JOB SPECIFIC RISK ASSESSMENT. THE HAZARDS NOTED ARE IN ADDITION TO THE NORMAL HAZARDS AND RISKS FACED BY A COMPETENT CONTRACTOR WHEN DEALING WITH THE TYPE OF WORKS DETAILED ON THIS DRAWING.

- NOTES**
1. THIS DRAWING IS COPYRIGHT.
 2. 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.
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST SUB-CONTRACTORS DRAWINGS AND THE SPECIFICATION.
 4. ALL SETTINGS OUT TO BE IN ACCORDANCE WITH THE ENGINEERS DRAWINGS. CONTRACTOR TO CHECK AND IDENTIFY ANY DISCREPANCIES TO ENGINEER DRAWINGS MUST NOT BE SCALED.
 5. THIS DRAWING HAS BEEN PRODUCED BASED UPON LAYOUTS COMPILED AND SUPPLIED BY THE ARCHITECT AND HIGHWAYS ENGINEER IN ELECTRONIC FORMAT. NO RESPONSIBILITY IS TAKEN FOR ANY INACCURACIES AND/OR OMISSIONS IN THE INFORMATION AS SUPPLIED.

- LEGEND**
- PROPOSED FOUL WATER MANHOLE
 - PROPOSED SURFACE WATER ACCESS CHAMBER (250mm DIA)
 - PROPOSED SURFACE WATER INSPECTION CHAMBER (450mm DIA)
 - PROPOSED SILT TRAP CHAMBER (450mm DIA)
 - DENOTES BELOW GROUND SURFACE DRAINAGE
 - DENOTES BELOW GROUND FOUL DRAINAGE
 - DENOTES PROPOSED BELOW GROUND MAIN FOUL DRAINAGE
 - DENOTES RIDDING EYE
 - DENOTES VERTICAL FOUL WATER STACK TO GROUND
 - DENOTES SOAKAWAY
 - DENOTES RAINWATER HARVESTER



15	ALL ADAPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART 8 CIVIL ENGINEERING SPECIFICATION INCLUDED WITH SEWERS FOR ADOPTION 7TH EDITION WHICH IS DRAWN FROM CEM 7TH EDITION BUT IS NOT A FULL REPRODUCTION.	
14	ALL ADAPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mm/5mm AND GRADE D400 UNO. OTHERWISE INDICATED WITH A MAN. GRADIENT AS FOLLOWS:-	
	S.W. : 1:100m Dia. 1:100	
	S.W. : 150mm Dia. 1:150	
	F.W. : 100mm Dia. 1:80	
	F.W. : 150mm Dia. 1:150	
13	WHERE HOUSE DRAINAGE IS TAKEN THROUGH BLOCK CARE IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RUNS DO NOT CLASH.	
12	FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO SEWERS FOR ADOPTION AND UNDERSTAMERS STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE.	
11	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.	
10	PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13398-1 AND BS EN 13398-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.	
9	ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION, THE SPECIFICATION FOR HIGHWAYS 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.	
8	ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.	
7	ALL PIPES OF 300mm DIAMETER OR GREATER TO BE CLASS M CONCRETE.	
6	ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VITRIFIED CLAY PIPES (SEE NOTE 15).	
5	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.	
4	THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.	
3	THIS DRAWING IS COPYRIGHT.	
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REIFY & STAGG LTD.
 Crest House
 Pyrcroft Road
 Salford
 Greater Manchester
 M6 6PU
 Tel: 0161 925 580
 Fax: 0161 925 589
 Email: reify@reifystagg.com

Crest
 14/25/26/27/28/29/30/31/32/33/34/35/36/37/38/39/40/41/42/43/44/45/46/47/48/49/50/51/52/53/54/55/56/57/58/59/60/61/62/63/64/65/66/67/68/69/70/71/72/73/74/75/76/77/78/79/80/81/82/83/84/85/86/87/88/89/90/91/92/93/94/95/96/97/98/99/100
 Tel: 01932 580 333
 Fax: 01932 580 392
 Email: crest@crest-engineers.com

ELMSBROOK, BRISTOL
 PHASE 3 & 4
 PLOT DRAINAGE LAYOUT

Scale: 1:250
 Date: DC
 Drawing No: 14/901A-3263

18	PLOT DRAINAGE UPDATED	30.07.18	DC
17	RAIN HARVESTER & SOAKAWAYS REVISED	29.06.18	JP
16	SOAKAWAYS REVISED TO SERVE POSITIVE RELIEF POINTS OPTIMISED. ACO CHANNELS REMOVED.	16.05.18	DC
15	DRAINAGE UPDATED	22.04.18	DC
14	LEVELS UPDATED	05.01.18	DC
13	LEGEND UPDATED	18.12.17	DC
12	GALVANISED TENDER ISSUE	13.12.17	DC
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