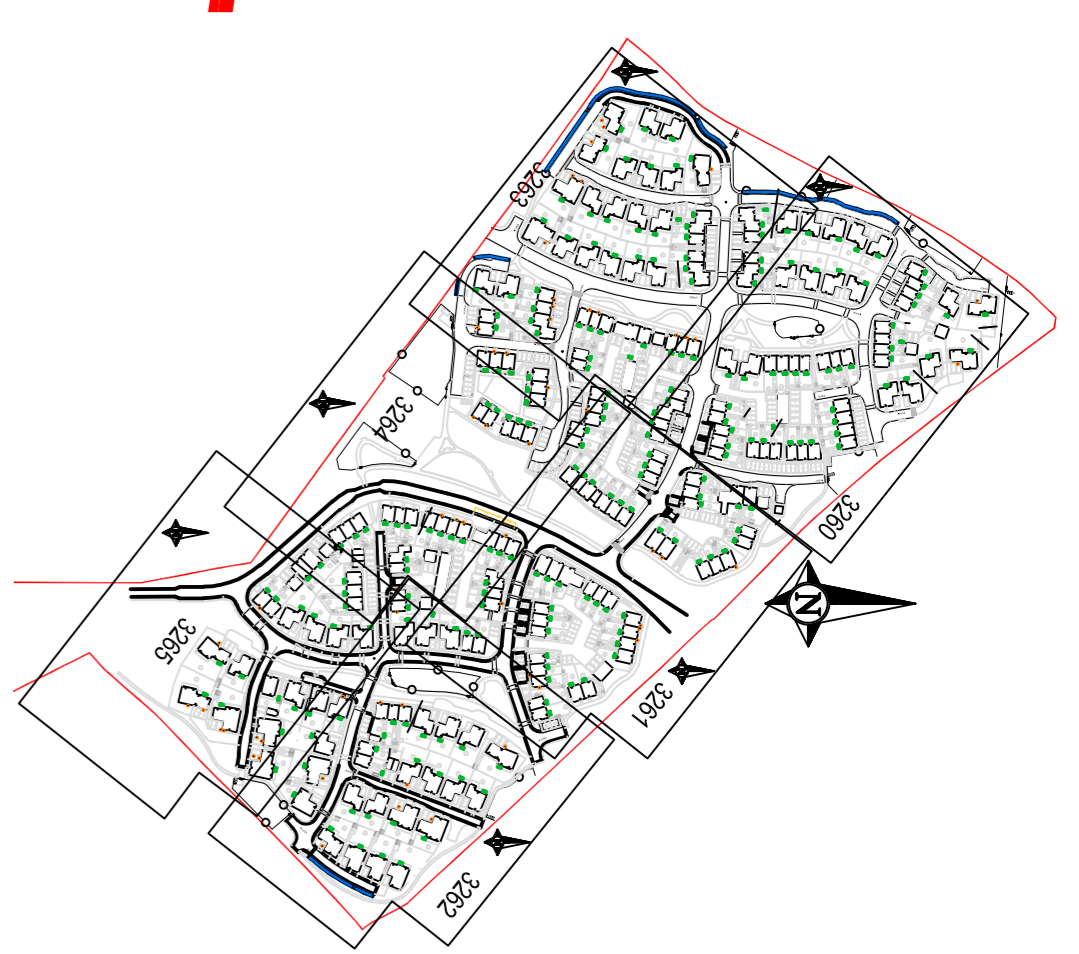
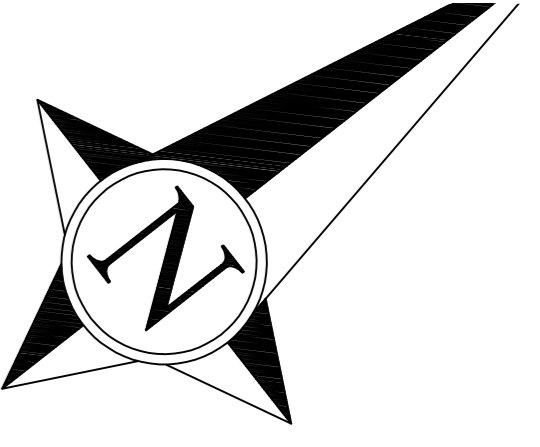


**HEALTH & SAFETY:**

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 SETTING OUT TO BE IN ACCORDANCE WITH THE ENGINEERS DRAWINGS. CONTRACTOR TO CHECK AND IDENTIFY ANY DISCREPANCIES TO ENGINEER. DIMENSIONS 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.

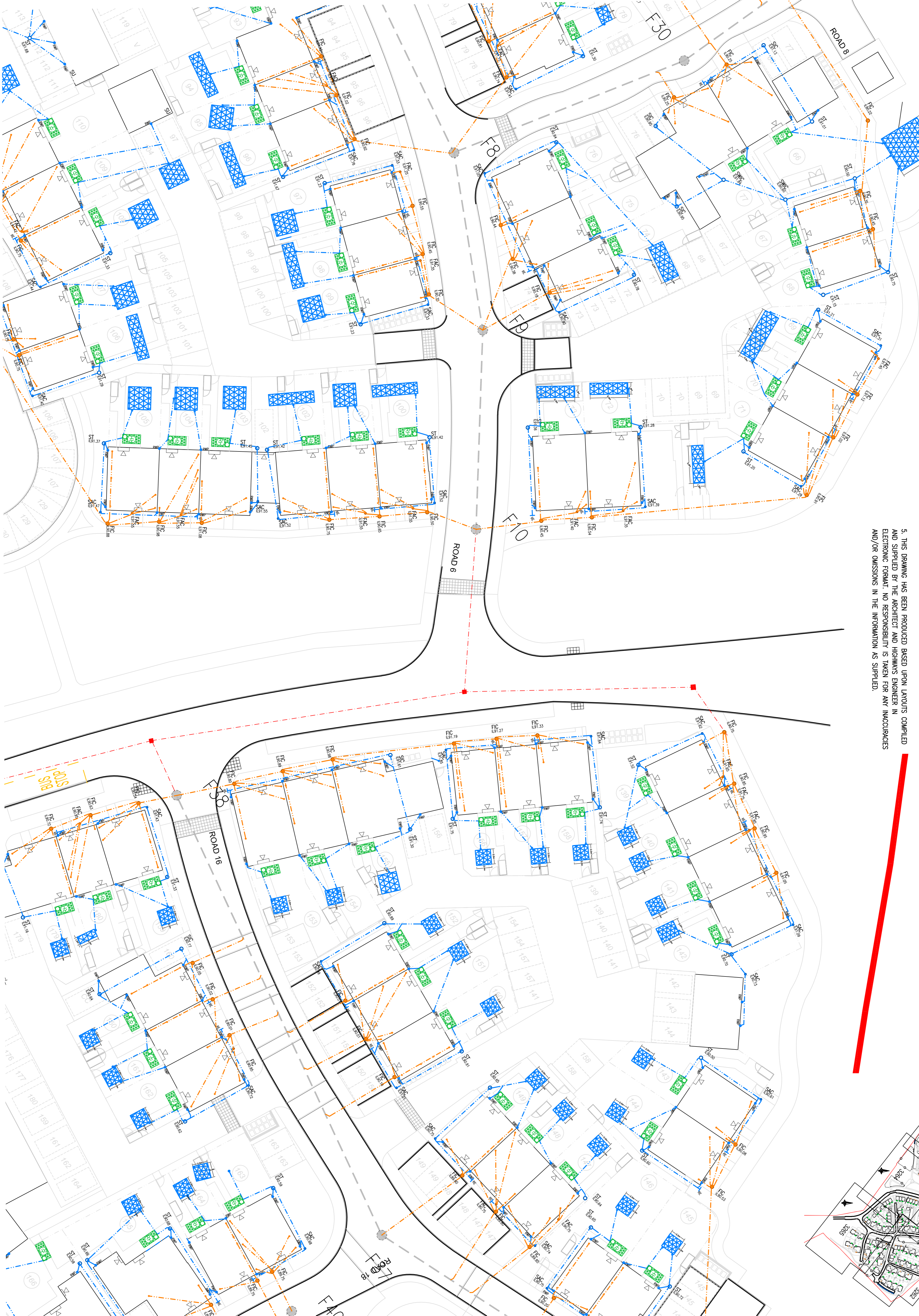


**NOTES**

1. THIS DRAWING IS COPYRIGHT.
2. THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SIGN DRAWINGS OR COMMENCING MANUFACTURE.
3. 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. ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VIRREDE CLAY PIPES (SEE NOTE 15).
5. ALL PIPES OF 300mm DIAMETER OR GREATER TO BE CLASS M CONCRETE.
6. ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.
7. ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH SEWERS FOR ADOPTION 7TH EDITION, 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.
8. FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO SEWERS FOR ADOPTION AND UNDERPASSES STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE.
9. INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.
10. 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.
11. 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.
12. WHERE HOUSE PAVEMENT IS TAKEN THROUGH BLOCK CARE IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RANS DO NOT CLASH.
13. ALL APPROPRIATE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx675mm AND GRADE D400 UNO.
14. ALL BELOW GROUND DRAINAGE TO BE 100mm<sup>n</sup> 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
15. ALL APPROPRIATE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART E CIVIL ENGINEERING SPECIFICATION INCLUDED WITH SEWERS FOR ADOPTION 7TH EDITION WHICH IS DRAWN FROM CSEW 7TH EDITION BUT IS NOT A FULL REPRODUCTION.

**LEGEND**

- F1 ● - PROPOSED FOUL WATER MANHOLE
- Sc ● - PROPOSED SURFACE WATER ACCESS
- Sc ● - CHAMBER (250mm DIA)
- Fc ● - PROPOSED FOUL WATER ACCESS CHAMBER (250mm DIA)
- Sc ● - PROPOSED SURFACE WATER INSPECTION CHAMBER (450mm DIA)
- Fc ● - PROPOSED FOUL WATER INSPECTION CHAMBER (450mm DIA)
- St ● - PROPOSED SILT TRAP CHAMBER (450mm DIA)
- — — - DENOTES BELOW GROUND SURFACE DRAINAGE
- — — - DENOTES EXISTING BELOW GROUND FOUL DRAINAGE AND MANHOLE (BY OTHERS)
- — — - DENOTES PROPOSED BELOW GROUND MAIN FOUL DRAINAGE
- — — - DENOTES ROOFING FFE
- — — - DENOTES VERTICAL RAIN WATER STACK TO GROUND
- — — - DENOTES VERTICAL FOUL STACK TO GROUND
- — — - DENOTES SOAKAWAY
- — — - DENOTES RAINWATER HARVESTER



**REDDY & STAGLITD**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS  
53 High Street, Bicester  
Oxfordshire OX9 1JG  
Tel: 01295 290 933  
Fax: 01295 290 932  
Email: info@reddyandstaglittd.co.uk  
www.reddyandstaglittd.com

**Crest**  
Crest Nicholson Regeneration  
Percival Road  
Chertsey  
Middlesex TW19 5GN  
Tel: 01892 590 933  
Fax: 01892 590 932  
Email: info@crestnicholson.com  
www.crestnicholson.com

Address: ELMSBROOK, BICESTER  
Site: PHASE 3 & 4  
Type: PLOT DRAINAGE LAYOUT  
Sheet: SHEET 2 OF 6  
Scale: 1:250  
Date: DEC 17  
Drawn: DC  
Checked: MD  
Reviewed: T9

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