

THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP DRAWINGS OR COMMENCING MANUFACTURE.

DO NOT SCALE THE DRAWING. THE CONTRACTOR IS TO BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCIES CONTAINED IN THIS DRAWING PRIOR TO WORK COMMENCEMENT.

ALL 150mm AND 225mm DIAMETER PIPES TO BE EXTRA STRENGTH VITREOUS CLAY PIPES (SEE NOTE 15).

ALL PIPES OF 300mm DIAMETER OR GREATER TO BE CLASS M CONCRETE.

ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.

ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATIONS FOR ADOPTION 7TH EDITION, THE SPECIFICATION FOR MANHOLE AND BS EN 13998-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL, TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.

WHERE THERE IS CONFLICT BETWEEN THESE DOCUMENTS THE MATTER SHALL BE REFERRED TO THE ENGINEER.

FOR CONSTRUCTION DETAILS OF MANHOLES AND SEWERS REFER TO SEWERS FOR ADOPTION 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 UNDERGIVEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.

WHERE SEWERS HAVE LESS THAN 1.2% OF COVER UNDER ROADS AND 0.9% COVER ELSEWHERE PIPES ARE TO HAVE A 150mm CONCRETE BED AND SURROUND.

PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13998-1 AND BS EN 13998-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL, TO TABLE 11 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.

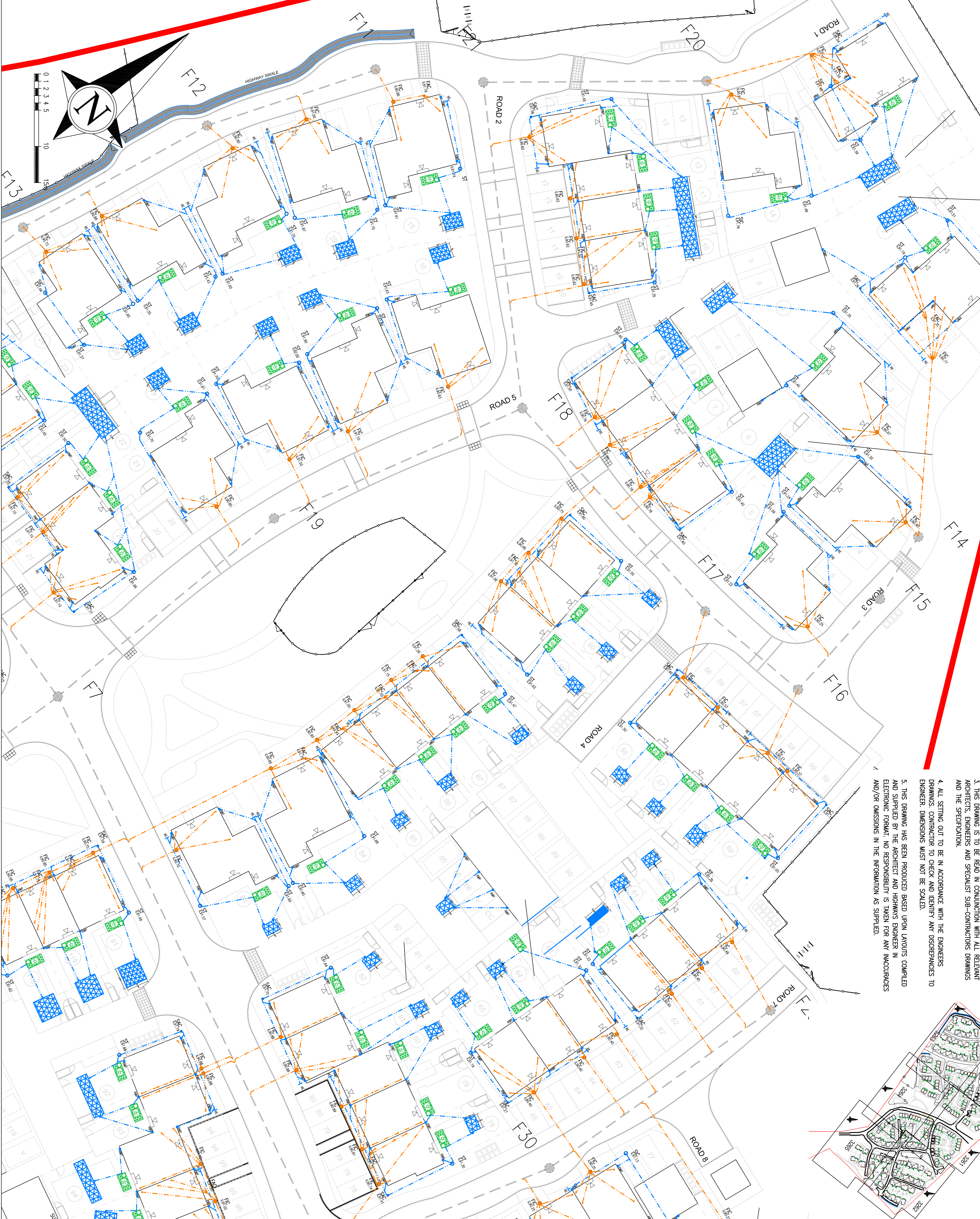
WHERE HOUSE DRAINAGE IS TAKEN THROUGH BLOCK CARS IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RIGS DO NOT CLASH.

ALL ADAPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx375mm AND GRADE 4/400 UNO.

ALL BELOW GROUND DRAINAGE TO BE 100mm² UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:-

S.W. : 1:100mm Dia. 1:100
 S.W. : 150mm Dia. 1:150
 F.W. : 100mm Dia. 1:80
 F.W. : 150mm Dia. 1:150

1. 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.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALIST SUB-CONTRACTORS DRAWINGS AND THE SPECIFICATION.
3. 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.
4. 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.



9. ALL ADAPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx375mm AND GRADE 4/400 UNO.
10. ALL BELOW GROUND DRAINAGE TO BE 100mm² UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:-
11. S.W. : 100mm Dia. 1:100
12. S.W. : 150mm Dia. 1:150
13. F.W. : 100mm Dia. 1:80
14. F.W. : 150mm Dia. 1:150
15. ALL ADAPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE REQUIREMENTS OF PART E CIVIL ENGINEERING SPECIFICATION INCLUDED WITH SEWERS FOR ADOPTION 7TH EDITION WHICH IS DERIVED FROM CSNI 7TH EDITION BUT IS NOT A FULL REPRODUCTION.

LEGEND

- F1 - PROPOSED FOUL WATER MANHOLE
- Sec. - PROPOSED SURFACE WATER ACCESS CHAMBER (250mm DIA)
- Sec. - PROPOSED FOUL WATER ACCESS CHAMBER (250mm DIA)
- Sec. - PROPOSED SURFACE WATER INSPECTION CHAMBER (450mm DIA)
- Sec. - PROPOSED FOUL WATER INSPECTION CHAMBER (450mm DIA)
- Sec. - PROPOSED SILT TRAP CHAMBER (450mm DIA)
- Sec. - DENOTES BELOW GROUND SURFACE DRAINAGE
- Sec. - DENOTES BELOW GROUND FOUL DRAINAGE
- Sec. - DENOTES EXISTING BELOW GROUND FOUL DRAINAGE AND MANHOLE (BY OTHERS)
- Sec. - DENOTES PROPOSED BELOW GROUND MAIN FOUL DRAINAGE
- Sec. - DENOTES RODDING EYE
- Sec. - DENOTES VERTICAL RAIN WATER STACK TO GROUND
- Sec. - DENOTES VERTICAL FOUL STACK TO GROUND
- Sec. - DENOTES SOAKAWAY
- Sec. - DENOTES RAINWATER HARVESTER

17 RAIN HARVESTER & SOAKAWAYS REVISED SWALES ADDED 29.06.18 JP

16 SOAKAWAYS REVISED TO SERVE POSSIBLE ACCESS POINTS OPTIMISED. AGO CHANNELS REMOVED. 16.05.18 DC

15 DRAINAGE UPDATED 27.04.18 DC

14 LEGEND UPDATED 05.01.18 DC

13 LEGEND UPDATED 18.12.17 DC

12 NOTE ADDED FOR ACCESS TO DENOTES TENDER ISSUE 13.12.17 DC

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TENDER

Client: Crest Housing Regeneration
 Crest House
 Percival Road
 Chertsey
 KT16 9GN

Contractor: Elmsbrook, Bicester

Address: Phase 3 & 4

Scale: 1:250

Sheet: SHEET 1 OF 6

Plot: PLOT DRAINAGE LAYOUT

Drawn: A1
 Checked: MD
 Date: DEC 17

Drawing No: 14790TA-3260