

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 SPECIFICATION, RISK ASSESSMENT, THE HAZARDOUS MATERIALS INFORMATION SHEET AND THE SUBMITTALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITY AND/OR OTHER RELEVANT AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TYPE OF WORKS DETAILED ON THIS DRAWING.

- LEGEND**
- PROPOSED FOUL WATER MANHOLE
 - PROPOSED SURFACE WATER ACCESS CHAMBER (250mm DIA)
 - PROPOSED FOUL WATER ACCESS CHAMBER (250mm DIA)
 - PROPOSED SURFACE WATER INSPECTION CHAMBER (450mm DIA)
 - PROPOSED FOUL WATER INSPECTION CHAMBER (450mm DIA)
 - CHAMBER (450mm DIA)
 - DENOTES BELOW GROUND SURFACE DRAINAGE
 - DENOTES BELOW GROUND FOUL DRAINAGE
 - DENOTES EXISTING BELOW GROUND FOUL DRAINAGE AND MANHOLE (87 OTHERS)
 - DENOTES PROPOSED BELOW GROUND MAIN FOUL DRAINAGE
 - DENOTES ROODING EYE
 - DENOTES VERTICAL RAIN WATER STACK TO GROUND
 - DENOTES VERTICAL FOUL STACK TO GROUND
 - DENOTES SOAKAWAY
 - DENOTES RAINWATER HARVESTER
 - PROPOSED DRAINAGE CHANNEL

- 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.

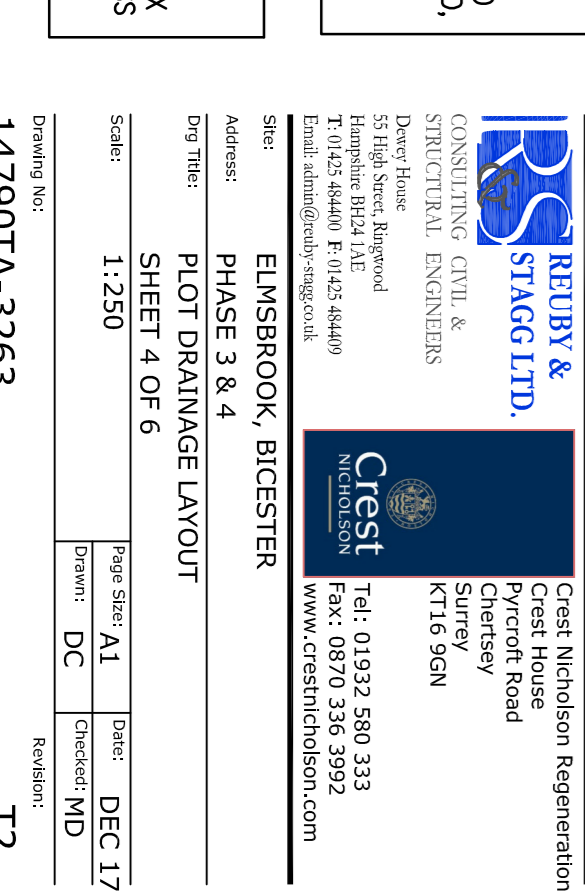
NOTE:
 ALL GARAGE DOOR THRESHOLDS TO HAVE DRAINAGE CHANNEL INSTALLED, DRAINING INTO PERMEABLE PAVING. SUBBASE REFER TO CREST STANDARD DETAIL.

SOAKAWAYS:
 SOAKAWAYS TO BE 6.0m LONG X 1.5m WIDE X 2.0m DEEP UNLESS OTHERWISE STATED

REUBY & STAGG LTD.
 CONSULTING CIVIL & STRUCTURAL ENGINEERS
 Derby House, Ripponden, Halifax, West Yorkshire, HX8 9SN
 Tel: 01929 590 333
 Fax: 01929 356 392
 www.reubyandstagg.com

Crest
 Technical Services
 Tel: 01929 590 333
 Fax: 01929 356 392
 www.crest-engineers.com

Project: ELMSBROOK, BICESTER
 Draw Title: PLOT DRAINAGE LAYOUT
 Sheet: 1:250
 Date: DEC 17
 Drawn: DC
 Checked: MD
 Approved: T2



- NOTES**
1. THIS DRAWING IS COPYRIGHT.
 2. THE CONTRACTOR AND HIS SUBCONTRACTOR ARE TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO MAKING SHOP 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 VIBRATED 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 13396-1 AND BS EN 13396-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL TO LABEL H1 OF APPROVED DOCUMENT H1 OF THE BUILDING REGULATIONS 2010.
 12. WHERE HOUSE DRAINAGE IS TAKEN THROUGH BLOCK CARE IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RIMS DO NOT CLASH.
 13. ALL ADAPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx75mm AND GRADE D400 UNO.
 14. ALL BELOW GROUND DRAINAGE TO BE 100mm³ UNLESS OTHERWISE INDICATED WITH A MIN. GRADIENT AS FOLLOWS:-
 S.W. : 100mm Dia. 1:100
 S.W. : 150mm Dia. 1:150
 F.W. : 150mm Dia. 1:150
 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 CEMW 7TH EDITION BUT IS NOT A FULL REPRODUCTION.