



- 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.

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 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 VIRIDED 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 PERMITS FOR ADHOC WORK. IN ADDITION, THE SPECIFICATION AMENDMENTS AND LOCAL AUTHORITY'S DESIGNS 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 UNDERDRAGERS STANDARD DETAILS WHICH CAN BE OBTAINED FROM THE LOCAL OFFICE.
- 9 INVERT LEVELS OF EXISTING SEWERS TO BE CONTRACTED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.
- 10 WHERE SPINNERS HAVE LESS THAN 1.2m OF COVER UNDER ROADS AND 0.3m COVER ELSEWHERE PIPES ARE TO HAVE A 150mm CONCRETE BED AND SURROUND.
- 11 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.
- 12 WHERE HOUSE DRAINAGE IS TAKEN THROUGH BLOCK CARE IS TO BE TAKEN THAT FOUNDATION LEVELS AND DRAINAGE RUNS DO NOT CLASH.
- 13 ALL ADAPTABLE MANHOLES TO HAVE A MINIMUM CLEAR OPENING OF 675mmx675mm AND GRADE D400 UNO.
- 14 ALL BELOW GROUND DRAINAGE TO BE 100mm² 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 ADAPTABLE DRAINAGE MATERIALS SHOULD COMPLY WITH THE RECOMMENDATIONS OF PART 8 CIVIL ENGINEERS WITH SPECIFICATION INCLUDED WITH SPINNERS FOR ADOPTION 7TH EDITION WHICH IS AVAILABLE FROM CEMSA 7TH EDITION BUT IS NOT A FULL REPRODUCTION.

LEGEND

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

TENDER

Rev.	Description	Date	By
T7	RAIN HARVESTER & SOAKAWAYS REVISED	29.06.18	JP
T6	SWALES ADDED AND REVISED TO SERVE POSSIBLE DWELLINGS WHERE POSSIBLE. ACCESS POINTS IDENTIFIED AND CHAMBER REMOVED	16.05.18	DC
T5	DRAINAGE LAYOUT REVISED	20.04.18	DC
T4	LEVELS UPDATED	05.01.18	DC
T3	NOTE ADDED FOR AGOS TO GARAGES, TENDER ISSUE	13.12.17	DC
T2			
T1			

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ELMSBROOK, BICESTER
 PHASE 3 & 4
 PLOT DRAINAGE LAYOUT
 SHEET 6 OF 6