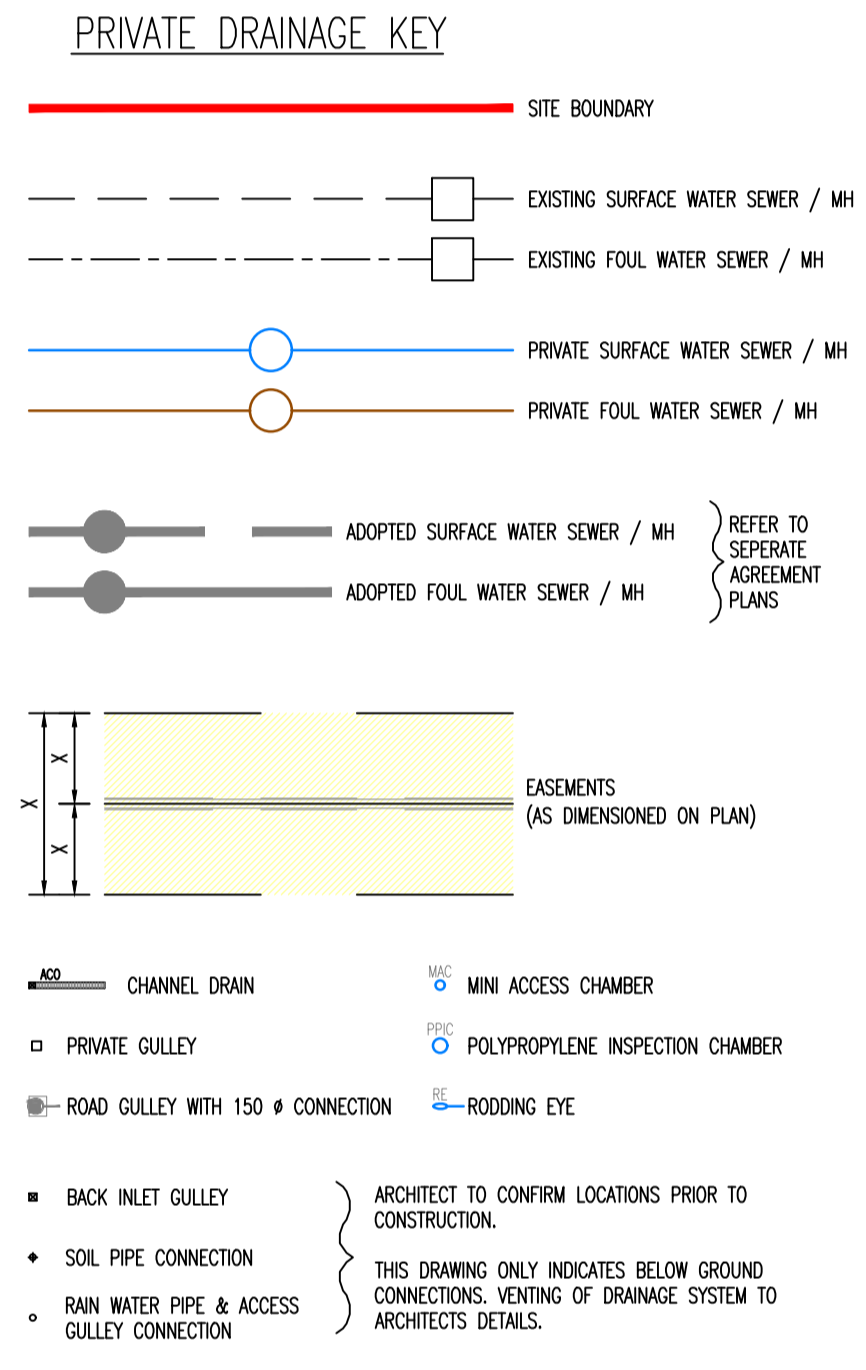


- DO NOT SCALE OFF THIS DRAWING
- GENERAL NOTES
1. THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
  2. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.
  3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.
  4. ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.
  5. FOR FINAL SETTING OUT INFORMATION RELATING TO GRID LINES AND WALL POSITIONS REFER TO THE ARCHITECT'S DRAWINGS.
  6. ALL FLOOR LEVELS TO BE CONFIRMED BY ARCHITECT PRIOR TO CONSTRUCTION
  7. ALL COVER LEVELS TO BE CONFIRMED BY ARCHITECT PRIOR TO CONSTRUCTION
  8. ALL DRAINAGE PENETRATING THROUGH FLOOR SLABS AND RAINWATER PIPE LOCATIONS TAKEN FROM ARCHITECT'S DRAWINGS. ARCHITECT TO CONFIRM LOCATIONS PRIOR TO CONSTRUCTION.
- PROPOSED DRAINAGE
9. ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1m AND MANHOLES 0.5m FROM KERB FACES AND SERVICE MANSIONS.
  10. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO ENSURE THAT THE PROPOSED DRAINAGE DOES NOT CLASH WITH THE EXISTING SERVICES. THE CONTRACTOR IS TO ALLOW FOR THIS PROVISION WITHIN THE TENDER SUM.
  11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ATTAINING ALL NECESSARY APPROVALS FOR ANY SERVICE DIVERSIONS REQUIRED TO FACILITATE THE PROPOSED WORKS
- SURFACE WATER DRAINAGE:
12. ALL PRIVATE SURFACE WATER DRAINAGE TO BE 100mm @ 1:80 GRADIENT UNLESS NOTED OTHERWISE.
  13. AN ALLOWANCE TO BE MADE FOR DRIVEWAY GULLIES AND ASSOCIATED DRAIN RUNS WHERE APPLICABLE
  14. ALL FLOWS FROM PRIVATE CELLULAR SW STORAGE TO BE DISCHARGED THROUGH A SILT TRAP MANHOLE PRIOR TO BEING DISCHARGED INTO ANY PUBLIC SEWERS.
- FOUL WATER / COMBINED DRAINAGE:
15. ALL PRIVATE FOUL WATER DRAINAGE TO BE 100mm @ 1:80 GRADIENT UNLESS NOTED OTHERWISE
  16. INTERNAL VENTING OF DRAINAGE SYSTEM TO ARCHITECTS DETAILS



#### TENDER NOTES

1. DRAWING BASED ON ARCHITECTS SITE LAYOUT DRAWING E 17301 A 04
2. LOCATION OF RWP'S AND SP'S HAVE BEEN TAKEN FROM ARCHITECTS DRAWINGS.
3. ALLOW FOR DESIGN DEVELOPMENT OF EXTERNAL WORKS AND LEVELS TO CONFIRM EXTERNAL SURFACE WATER DRAINAGE REQUIREMENT.
4. OUTFALL COVER AND INVERT LEVELS OF SW AND FW FOR EACH SITE MUST BE CONFIRMED PRIOR TO CONSTRUCTION. THE CONTRACTOR IS TO ALLOW FOR CONFIRMING THE PRECISE LOCATION AND DEPTH OF ALL EXISTING SEWERS PRIOR TO CARRYING OUT DIVERSION, CONNECTION OR FOUNDATION WORKS.
5. SW AND FW SEWERS MAY BE SUBJECT TO S104 AND/OR S106 AGREEMENTS WITH UNITED UTILITIES. THE CONTRACTOR IS TO ALLOW FOR DESIGN DEVELOPMENT RESULTING FROM THE APPROVALS PROCESS.
6. ALLOWANCE SHOULD BE MADE FOR TRAFFIC MANAGEMENT DURING THE CONSTRUCTION OF NEW SEWERS/CONNECTIONS IN EXISTING PUBLIC ROADS.
7. CONTRACTOR TO ALLOW FOR FULL WIDTH ROAD RECONSTRUCTION (PLANE AND OVERLAY OR IN ACCORDANCE WITH REQUIREMENTS OF LOCAL HIGHWAY AUTHORITY) IN EXISTING PUBLIC ROADS FOLLOWING INSTALLATION OF NEW SEWERS, DRIVEWAY CROSSINGS AND NEW ROAD JUNCTIONS.
8. COVER LEVELS ARE TO BE CONFIRMED FOLLOWING DEVELOPMENT OF EXTERNAL LEVELS
9. ALL UNDER SLAB FOUL DRAINAGE TO BE 1/40 UNLESS NOTED OTHERWISE.
10. ALL DRAINAGE TO BE 100 DIAMETER UNLESS NOTED OTHERWISE.

PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO ENSURE THAT THE PROPOSED DRAINAGE DOES NOT CLASH WITH THE EXISTING SERVICES. THE CONTRACTOR IS TO ALLOW FOR THIS PROVISION WITHIN THE TENDER SUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ATTAINING ALL NECESSARY APPROVALS FOR ANY SERVICE DIVERSIONS REQUIRED TO FACILITATE THE PROPOSED WORKS

- SURFACE WATER HYDRAULIC MODEL SHOWS POTENTIAL FLOODING WITHIN THE SITE, UNLESS OFFLINE STORAGE IS INSTALLED.
- PRIVATE PUMP STATION REQUIRED IN ORDER TO DRAIN PROPOSED FOUL WATER. REFER TO MANUFACTURER FOR DETAILS AND INSTALLATION.
- POOL TO BE DRAIN AT OFF PEAK TIMES.
- FOR MORE INFORMATION ABOUT THE PLANTROOM (POOL) REFER TO MANUFACTURER SPECIFICATION.

- ALL MINI ACCESS CHAMBERS (MAC) TO BE 300mm DIAMETER MINIMUM (OR APPROVED BY MANUFACTURER).
- ALL INSPECTION CHAMBER (PIC) TO BE 600mm DIAMETER MINIMUM (OR APPROVED BY MANUFACTURER).

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Rev	Date	Checked	Description	By

#### PRELIMINARY DRAWING

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Project  
**ELMS BANK, ARTS COLLEGE,  
RIPON AVENUE  
WITFIELD, M45 8PJ**

Drawing title  
**DRAINAGE PLAN**

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