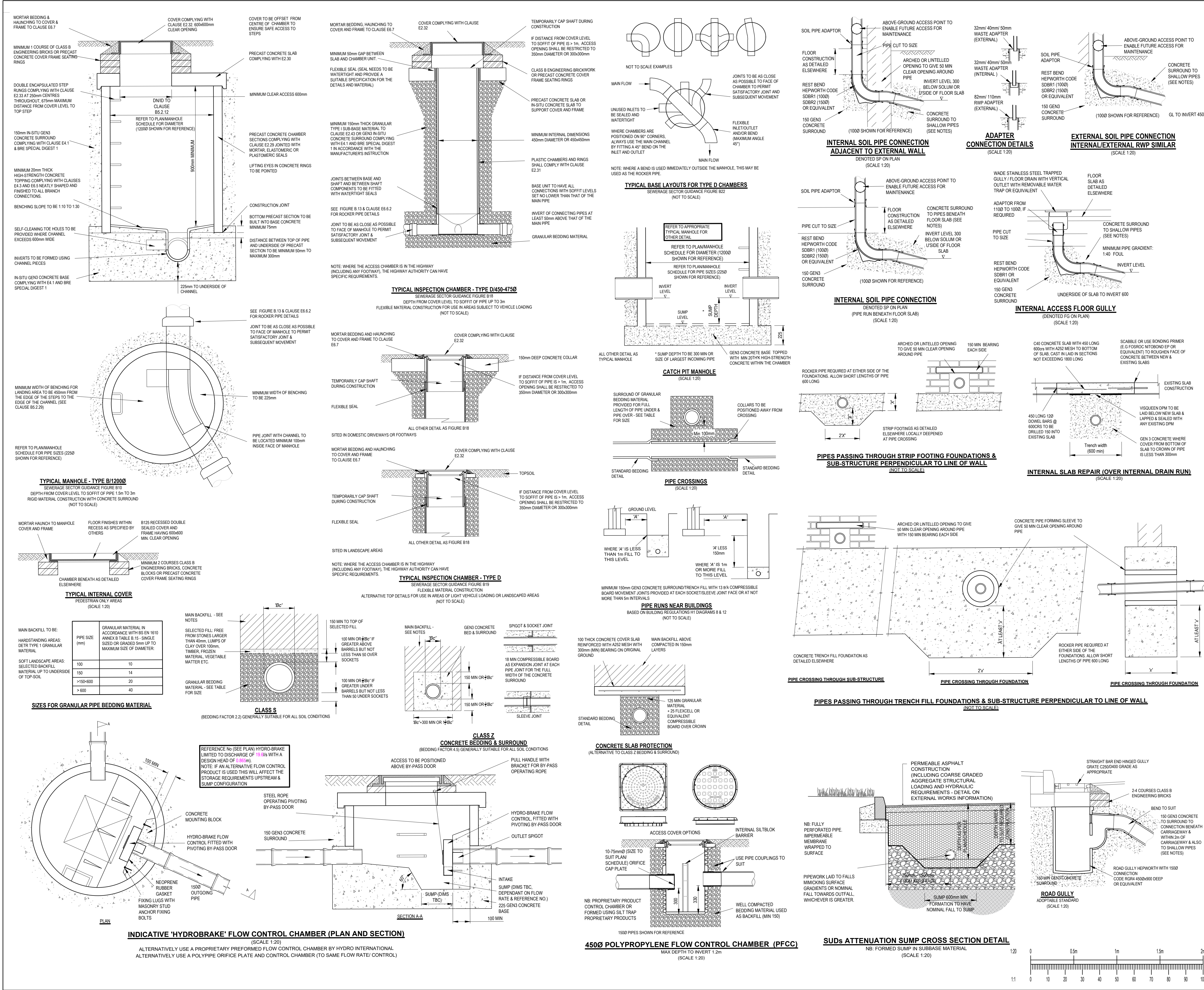




GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

DRAINAGE

- ALL DRAINAGE WORK TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS, BS EN 752 & TO THE SATISFACTION OF THE BUILDING INSPECTOR.
- ALL ADAPTABLE DRAINAGE TO BE BUILT IN ACCORDANCE WITH SEWERAGE SECTOR GUIDANCE APPENDIX C DESIGN AND CONSTRUCTION GUIDANCE (DCC) FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION UNDER THE CODE FOR ADOPTION AGREEMENT FOR WATER AND SEWERAGE COMPANIES OPERATING WHOLLY OR MAINLY IN ENGLAND ("THE CODE"); APPROVED VERSION 2.2 29 JUNE 2012.
- STANDARD DRAINAGE IS DESIGNED IN ACCORDANCE WITH CIRIA C753 'THE SUDS MANUAL'. BUILDING REGULATIONS, NATIONAL PLANNING POLICY AND LOCAL LEAD FLOOD AUTHORITY GUIDELINES.
- ALL PROPRIETARY ITEMS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURERS DETAILS, INSTRUCTIONS & SPECIFICATIONS.
- ALL EXISTING DRAINS & SERVICES (LINE & LEVELS) TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO FINISHING NEW DRAINAGE LINES & LEVELS.
- ALL COVER LEVELS ARE APPROXIMATE. EXACT LEVELS TO BE DETERMINED FROM THE EXTERNAL WORKS LAYOUT.
- INVERT LEVELS QUOTED AT MANHOLES & INSPECTION CHAMBERS ARE THOSE OF THE LARGEST CONNECTED PIPE DIAMETER. PIPES AT CHAMBERS TO BE LAID WITH SOFFITS LEVEL UNLESS NOTED OTHERWISE.
- PIPE GRADIENTS WHERE STATED ARE APPROXIMATE.
- REFER TO ARCHITECT'S DRAWINGS FOR PRECISE LOCATION OF ALL RAINWATER PIPES, INTERNAL CONNECTIONS ETC.
- ALL INTERNAL CONNECTIONS ARE TO HAVE AN ABOVE-FLOOR ACCESS POINT TO ENABLE FUTURE ACCESS FOR MAINTENANCE.
- PIPES & FITTINGS TO BE:
 - PERFORATED VITRIFIED CLAY PIPES FOR LAND DRAINAGE TO BS 1196.
 - CONCRETE PIPES & ANCILLARY PRODUCTS TO BS 5911-1:2002-AR.2010 & BS EN 1916:2002.
 - VITRIFIED CLAY PIPES & FITTINGS TO BS EN 295:2013 (ALL PARTS).
 - DUCTILE IRON TO BS EN 598:2007 & BS ISO 4179:2005.
 - PLASTIC PIPES FOR LAND DRAINAGE TO BS 4962:1982.
 - PLASTIC PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE & SEWAGE TO BS EN 1401 & BS 4660 - SOLID WALL ONLY. STRUCTURED WALL PIPES ARE NOT ACCEPTABLE FOR USE IN DRAINAGE SYSTEMS UNLESS AGREED.
 - PRECAST CONCRETE MANHOLE UNITS TO BS EN 1917:2002.
 - PLASTIC INSPECTION CHAMBERS FOR DRAINS & SEWERS TO BS EN 13598:1:2010.
 - GULLY & MANHOLE TOPS FOR VEHICULAR & PEDESTRIAN AREAS TO BS EN 124:1994.
 - DRAINAGE CHANNELS FOR VEHICULAR & PEDESTRIAN AREAS TO BS EN 1433:2002.
- ALL MANHOLE COVERS, ROAD GULLY COVERS & FRAMES TO COMPLY WITH BS EN 124 NON ROCKING TYPE. UNLESS NOTED OTHERWISE USE:
 - CLASS A15 FOR USE IN PEDESTRIAN AREAS WHERE VEHICLES HAVE NO ACCESS.
 - CLASS B125 FOR USE IN CAR PARKS & PEDESTRIAN AREAS WHERE INFREQUENT LIGHT VEHICLE ACCESS IS LIKELY (INCLUDING DRIVEWAYS).
 - CLASS C250 FOR ACCESS COVERS & GULLY GRATINGS IN AREAS OF SLOW MOVING, HEAVY TRAFFIC, ALSO FOR GULLY GRATINGS IN CARRIAGEWAY WITHIN 500mm OF KERB & UP TO 200mm INTO THE FOOTWAY.
 - CLASS D400 FOR USE IN CARRIAGEWAYS OF ROADS, HARD SHOULDERS AND PARKING AREAS ACCESSED BY ALL TYPES OF VEHICLES.
 - CLASS E600 FOR USE IN AREAS WHERE HIGH WHEEL LOADS ARE PRESENT.
 - CLASS F900 FOR USE IN AREAS WHERE EXTREMELY HIGH WHEEL LOADS ARE PRESENT SUCH AS AIRCRAFT PAVEMENTS, DOCKS, HEAVY INDUSTRIAL SITES.
- MANHOLES IN INTERNAL AREAS REQUIRE DOUBLE SEALED COVERS WITH LOCKING SCREWS, RECESSED WHERE REQUIRED TO ACCOMMODATE FLOOR FINISHES TO ARCHITECT'S SPECIFICATION.
- PIPE BEDDING
USE CLASS S BEDDING UNLESS NOTED OTHERWISE. NB PROTECT AGAINST CONSTRUCTION TRAFFIC AS NECESSARY
USE CLASS Z CONCRETE BED & SURROUND OR CONCRETE SLAB PROTECTION AS FOLLOWS:
 - CLASS 120 CLAYWARE OR CLASS M CONCRETE (100 - 6000 PIPES)
LANDSCAPING - LESS THAN 600mm COVER TO CROWN.
HARDSTANDING - LESS THAN 1200mm COVER TO CROWN.
 - PLASTIC (100 - 3000 PIPES)
LANDSCAPING - LESS THAN 600mm COVER TO CROWN.
HARDSTANDING - LESS THAN 900mm COVER TO CROWN.
- PIPES BELOW CROWNED GROUND FLOOR SLABS
WHERE THE CROWN OF THE PIPE IS WITHIN 300mm OF THE UNDERSIDE OF SLAB, SPECIAL PROTECTION TO BE PROVIDED IN ACCORDANCE WITH BUILDING REGULATIONS H1 2.44 OR 150mm GEN3 CONCRETE BED & SURROUND CAST INTEGRALLY WITH SLAB.
OTHERWISE USE CLASS S BEDDING.
- MAIN BACKFILL TO BE WELL COMPACTED IN 150mm LAYERS OF:
SELECTED BACKFILL MATERIAL IN ALL SOFT LANDSCAPED AREAS
TYPE 1 GRANULAR MATERIAL IN ALL HARDSTANDING AREAS & PUBLIC HIGHWAYS
REGULATIONS H1 DIAGRAMS 8 & 12.

Rev. **INITIAL ISSUE - RIBA.3** **09/01/23** **GW** **AB**

Rev. **Description:** **Date:** **By:** **Chk:**

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Status: **SUITABLE FOR INFORMATION** **S2**

Client: **GARDINER & THEOBALD**

Project: **SPURR HOUSE, BURY**

Dwg Title: **PROPOSED DRAINAGE CONSTRUCTION DETAILS**

Drawn By: **GW** Designed By: **GW** Checked By: **AB**

Date: **09/01/2023** Scales @ **A1** AS STATED

Project No - Originator - Function - Spatial - Form - Discipline - Number Revision

081241 - CUR - ZZ - ZZ - D - C-92-0003 **P01**