

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION
IN ADDITION TO THE HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAIL IN THIS DRAWING, NOTE THE ADDITIONAL RISKS:
CONSTRUCTION IT IS CONSIDERED THAT THE PROPOSED WORKS ARE WITHIN THE SCOPE OF A COMPETENT CONTRACTOR AND AS SUCH NO UNUSUAL HAZARDS HAVE BEEN IDENTIFIED, WITH THE EXCEPTION OF THE FOLLOWING: THE CONTRACTOR TO PROVIDE METHOD STATEMENTS TO HIGHLIGHT & MINIMISE RISKS FOR ELEMENTS OF WORK INDICATED ON THIS DRAWING MAINLY WORKING AT DEPTH & THE REQUIRED TEMPORARY SUPPORT FOR EARTHWORKS.
MAINTENANCE/CELEBRATION/OPERATION JACKETING OF PIPEWORK/MANHOLES TO BE BY UNDERTAKEN AT REGULAR INTERVALS (APPROX 6 MONTHS) BY SPECIALIST.
DECOMMISSIONING/DEMOLITION NO SPECIAL REQUIREMENTS.
IT IS ASSURED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR IN ACCORDANCE WITH AN APPROVED METHOD STATEMENT.

DRAINAGE NOTES

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
- ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH BS 5301, BS 8005 AND THE BUILDING REGULATIONS.
- ALL PIPES ARE TO HAVE SURROUND IN ACCORDANCE DRAINAGE DETAILS, UNLESS NOTED OTHERWISE.
- FOR EXACT LOCATION OF RAIN WATER AND FOUL WATER OUTLETS, REFER TO ARCHITECTS DRAWINGS.
- SURFACE WATER DRAINS SHALL BE EITHER H.D.P.E. RIGID DRAIN TWIN WALL CARRIER PIPE BY 'POLYPIPE PLC' (OR SIMILAR APPROVED) TO B.S EN 1401-1 OR P.C.C. PIPES TO B.S 5911 (Part 100) OR VITRIFIED CLAY TO B.S 85.
- FOUL WATER DRAINS SHALL BE EITHER P.V.C. PIPEWORK BY 'POLYPIPE PLC' (OR SIMILAR APPROVED) TO B.S. EN 1401-01 OR VITRIFIED CLAY TO B.S. EN 295.
- ALL GRP UNDERGROUND TANKS ARE TO BE BEDDED ON AND ENCASED IN 225mm C30 20mm AGG. CONCRETE STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- ROAD GULLY OUTLET PIPE INVERT LEVELS TO BE 600mm BELOW TOP OF GRATING LEVEL.
- ALL MANHOLE AND INSPECTION CHAMBER COVERS, FRAMES AND ACO QMAX/ROAD DRAINS IN TRAFFICKED AREAS SHALL COMPLY TO EITHER B.S. 497 - PART 1 HEAVY DUTY COVERS TO M40, OR B.S. EN 124 GRADE D400 (11.5 TONNE WHEEL LOADING).
- FOR DRAINAGE CONSTRUCTION AND PIPE BED DETAILS REFER TO DRAWING No. 4199S1 & S2.
- ALL DRAINAGE BRANCHES TO BE 100mm FOR FOUL WATER & 150mm FOR SURFACE WATER UNLESS MARKED OTHERWISE.
- ALL SOIL & VENT STACKS TO HAVE RODDABLE ACCESS: 150mm ABOVE GROUND FLOOR SLAB LEVEL WITH REMOVABLE ACCESS PLATES.
- ALL DRAINAGE CHANNELS TO HAVE ACCESS CHAMBER AT ENDS OF RUNS & BE RODDABLE EVERY 30m THEREAFTER.
- ALL SLOTDRAIN DRAINAGE TO HAVE SUMP UNITS AT OUTLETS OF RUNS & HAVE RODDING ACCESS POINTS EVERY 30m THEREAFTER.
- ALL SHALLOW DRAINAGE (<900mm COVER) AND DRAINAGE BELOW FLOOR SLAB TO BE INCASED IN MIN 150mm CONCRETE SURROUND.
- ALL CONCRETE SURROUNDS FOR THE DRAINAGE TO BE CLASS C20 (SULPHATE RESISTING) OR TO COMPLY WITH SOIL INVESTIGATION REPORT.

SURFACE WATER VELOCITY RATE

0.3 metres/second (Maximum)

LEGEND

- 1200mm MANHOLE & DRAIN RUN
FOUL WATER - RED
CLEAN SURFACE WATER - BLUE
DIRTY SURFACE WATER - GREEN
- 1500mm MANHOLE & DRAIN RUN
COLOURS AS ABOVE
- 1800mm MANHOLE & DRAIN RUN
COLOURS AS ABOVE
- EXISTING FOUL WATER SEWER
- EXISTING SURFACE WATER SEWER
- PACKAGED PUMP STATION WITH RISING MAIN
(BLUE - SURFACE WATER - DUTYSTAND-BY)
(RED - FOUL WATER - DUTYSTAND-BY)
- HIGH LEVEL SYNCHRONIC DRAINAGE
PRIMARY SYSTEM
- SYN/SBS SOIL & VENT PIPE/STUB STACK WITH AAV
- POW POP-UP WASTE
- RFG RODDABLE TRAPPED FLOOR GULLY
- DP PRIMARY SYNCHRONIC DOWNPIPE
- RWP RAIN WATER PIPE
- RG TRAPPED ROAD GULLY
- YG TRAPPED YARD GULLY
- DC DRAINAGE CHANNEL
200mm C40 CONCRETE SURROUND
- CLASS 1 BYPASS PETROL INTERCEPTORS (CONDER REFERENCES) OR SIMILAR (EA APPROVED MANUFACTURER)

P4	17.02.21	ENTRANCE TO CAR PARK 3 REVISED	TC	CE
P3	16.02.21	ROAD ALIGNMENT REVISED	TC	CE
P2	08.02.21	SW OUTLET SECTION ADDED	TC	CE
P1	01.02.21	PRELIMINARY ISSUE FOR COMMENT	TC	CE
REV	DATE	DESCRIPTION	CHK	TRN

NOTE: Where a "P" revision applies, this drawing is NOT to be used for construction

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BROCKHAMPTON WEST
BROADMARSH, HAVANT. PO9 1HS

TITLE
DRAINAGE LAYOUT

ARCHITECT
MICHAEL SPARKS ASSOCIATES

DRAWN	DESIGNED	CHECKED
CE		TRC
DATE	SCALE	STATUS
Feb 2021	1:500	Preliminary

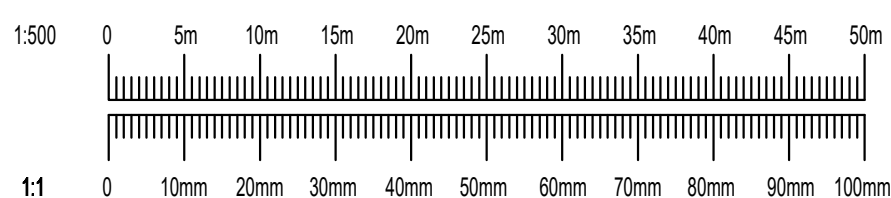
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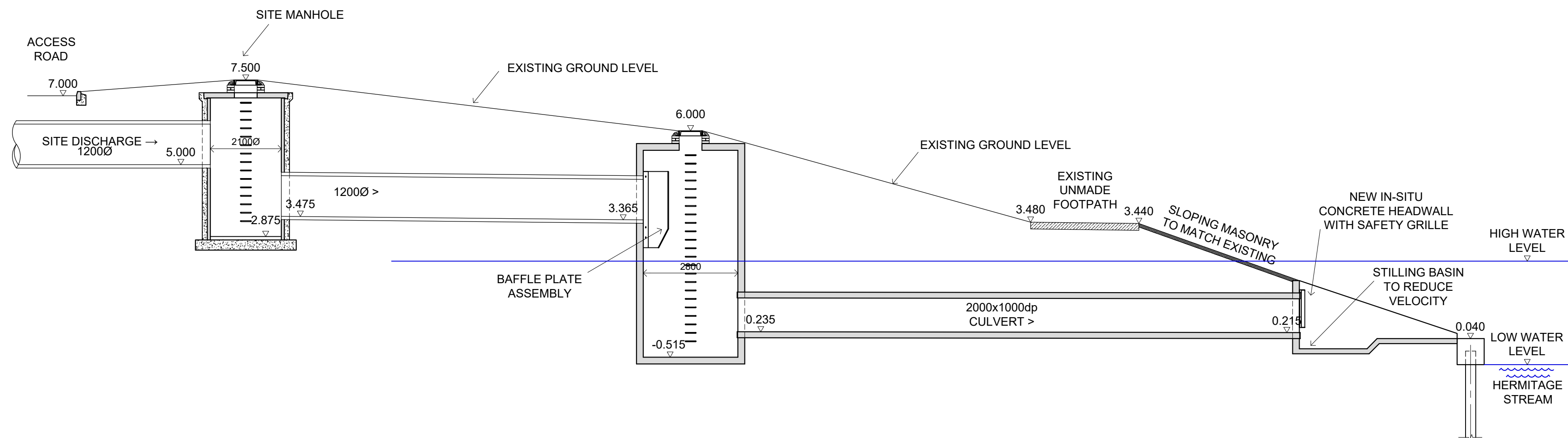
DRAINAGE LAYOUT

Scale 1:500

Surface Water Drainage designed using SUDS principals and incorporating Class 1 Petrol Interceptors (where applicable) as requirements in Pollution Prevention Guidelines PPG3



Minimum BUILDING LEVEL
11.300 A.O.D



SECTION THRO' SURFACE WATER OUTLET

Scale 1:100