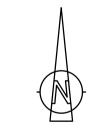


- SWS MANHOLE SCHEDULE MANHOLE | MANHOLE | COVER | OUTLET INVERT INTERNAL COVER TYPE COVER LOAD DEPTH REMARKS MATERIAL LEVEL SIZE CLEAR OPENING CLASS DETAILED DESIGN BY OTHERS. MAX FLOW RATE 5.01/s S1 0.657 S2 PIC 73.400 72.743 450 430 S3 PIC 73.400 72.965 0.435 450 430 RECESSED COVER S4 PIC 73.300 72.771 0.529 450 430 RECESSED COVER 71.813 1.587 PIC 73.400 450 430 B125 RECESSED COVER CPRAC S7 RAC 73.400 71.758 1.642 450 350 B125 **RECESSED COVER** S8 71.933 1.467 450 350 RECESSED COVER RAC 73.400 S9 350 RAC 71.814 1.586 450 RECESSED COVER 73.400 S10 RAC 73.900 71.451 2.449 450 430 RECESSED COVER HYDROBRAKE (MAX 6I/s) 2.009 S11 PC RING 73.400 71.391 1200 675 WEIR CPRAC S12 PIC 72.065 1.465 600 73.530 350 B125 RECESSED COVER S13 PIC 73.510 72.040 1.470 600 350 RECESSED COVER S14 PC RING 72.004 1.513 1200 675 RECESSED COVER 73.517 FC (Max 5l/s) PC RING 1200 S15 70.811 2.989 675 73.800 RECESSED COVER S16 RAC 72.300 1.376 450 350 B125 CPRAC 73.676 S17 PIC 73.657 72.726 0.931 450 430 B125 S18 RAC 1.403 350 **CPRAC** 73.629 72.226 450 B125 **CPRAC** S19 RAC 73.685 72.350 1.335 450 350 B125 S20 PIC 73.656 72.751 0.905 450 430 B125 S21 **CPRAC** RAC 73.625 72.251 1.374 450 350 B125
 - * CPMH CATCHPIT MANHOLE
 - * FC FLOW CONTROL CHAMBER
 - * PC RING PRECAST RECTANGULAR MANHOLE
 - CRING PRECAST RECTANGULAR MANHOLE
 - * RECT RECTANGULAR MANHOLE (PRECAST OR BRICK PENDING PRECAST AVAILABILITY)
- * CPPIC 450 DIA POLYPROP CHAMBER WITH 300MM CATCHPIT
- * CPRAC 450 DIA POLYPROP CHAMBER WITH 300MM CATCHPIT AND 350MM DIA RESTRICTED ACCESS.
- * ALL MANHOLES SERVING PIPE DIAMETERS >600MM DIA TO BE FITTED WITH SAFETY CHAINS.

CDM REGULATIONS 2015: DESIGNERS NOTES ON SIGNIFICANT RESIDUAL RISKS

- 1. SURFACE WATER SYSTEM TO BE MAINTAINED REGULARLY IN LINE WITH CIRIA C753 GUIDELINES
- 2. MANHOLES LARGER THAN 450mm DIAMETER SHOULD BE TREATED AS A CONFINED SPACE AND ADEQUATE PROTECTION PROVIDED FOR MAINTENANCE ACCESS
- 3. APPROPRIATE TOOLS, LIFTING EQUIPMENT AND TRAINING SHOULD BE PROVIDED FOR LIFTING MANHOLE COVERS FOR AUTHORISED ACCESS FOR MAINTENANCE AS COVERS EXCEED 30kg.
- THESE NOTES RELATE SOLELY TO INFORMATION SHOWN ON THIS DRAWING. ONLY SIGNIFICANT RISKS WHICH ARE CONSIDERED TO BE UNUSUAL, OR UNLIKELY TO BE OBVIOUS TO A COMPETENT CONTRACTOR OR OTHER DESIGNER WILL BE HIGHLIGHTED. THIS INFORMATION MAY BE SUBJECT TO REVISION AS THE DESIGN DEVELOPS.



PRIVATE DRAINAGE NOTES:

- ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH PART H OF THE CURRENT BUILDING REGULATIONS AND BS 8301 / BS EN 752.
- 2. ALL PRIVATE DRAINAGE TO BE EITHER:-PVCU TO BS EN 1401-1 (BS 4660/5481) CARADON, MARLEY OR SIMILAR.
 - VITRIFIED CLAYWARE TO BS 65 AND BS EN 295. OR
 - CONCRETE TO BS 5911-1 & BS EN 1916 FLEXIBLY JOINTED. THE DRAINAGE DESIGN SHOWN ON THIS
 - THE DRAINAGE DESIGN SHOWN ON THIS
 DRAWING
 HAS BEEN BASED UPON A PVCU DRAINAGE SYSTEM
- 3. RWP LATERAL CONNECTIONS ARE TO BE SIZED TO SUIT RWP SIZE. GULLY LATERALS TO BE SIZED TO SUIT GULLY OUTLETS.
- 4. FOUNDATIONS ADJACENT TO DRAIN RUNS ARE TO BE CONSTRUCTED SO THAT THE DIFFERENCE BETWEEN THE FORMATION LEVEL OF THE FOUNDATION AND INVERT LEVEL OF ANY DRAIN MUST NOT EXCEED THE HORIZONTAL DISTANCE MINUS 500mm.
- 5. WHERE FOUL AND SURFACE WATER SEWERS CROSS AND THERE IS LESS THAN 100MM CLEARANCE SHORT LENGTHS OF BOTH RUNS ARE TO BE ENCASED IN CONCRETE.
- 6. ALL RWP, SVP AND FOUL DRAINAGE POSITIONS ARE TO
- BE CONFIRMED BY THE ARCHITECT.

 WHERE RWPS ARE CONNECTED DIRECT TO DRAIN,
 RODDING ACCESS PLATES ARE TO BE PROVIDED
 INTERNALLY.
- ALL FOUL GULLIES TO BE TRAPPED & RODDABLE (USE LIFT OUT TRAPS FOR GROUND FLOOR SHOWER GULLIES).
- ALL SVP'S AND STUB STACKS TO BE RODDABLE AT
- GROUND FLOOR LEVEL.

 10. MANHOLES COVERS WITHIN VEHICULAR AREAS TO BE TREATED WITH PRIMARK OR SIMILAR APPROVED
- ANTI-SKID COATING.

 11. KITCHEN DRAINAGE HAS NOT BEEN DESIGN WITH THE INCLUSION OF A GREASE TRAP. IT IS THEREFORE ASSUME THAT CHEMICAL DOSING WILL TAKE PLACE.
- 12. ALL MANHOLES LARGER THAN 450mm DIA TO HAVE WARNING SIGN FIXED TO BRICKWORK RAISING TO FRAME COVER STATING "WARNING, CONFINED SPACE/NO UNAUTHORISED ENTRY"

REV	ВУ	CHK	AMENDMENTS	DATE
P03	JL	CPR	LAYOUT UPDATED FOLLOWING MANHOLE REMOVAL FROM SPORTS AREA.	08.12.16
P04	JL	CPR	CELLULAR TANK LOCATION REVISED. DRAINAGE UPDATED TO REDUCE DEPTH AND SIZE OF RUNS.	19.01.17
P05	JL	CPR	PIPE NETWORK RESIZED UPON CONFIRMATION FROM WSP OF UNATTENUATED OUTFALL	06.02.17



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KINGSMERE COMMUNITY CENTRE BICESTER

PROPOSED DRAINAGE AND MANHOLE SCHEDULE

DRAWN
JL
CPR
NM

SCALE
ORIGINAL PAPER SIZE
1:200
A1
DRAWN
APPROVED
NM

18/11/2016

PROJECT ORIGINATOR VOLUME LEVEL TYPE ROLE NUMBER
455316 - PEP - 00 - ZZ - DR - D - 1200

STATUS SUITABLE FOR COSTING

SUITABLE FOR COSTING

REVISION REVISION DESCRIPTION

P05 PRELIMINARY 455316

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