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450Ø 450Ø 450Ø

42.200 41.990 41.650 41.400

39.450

0.650 0.750 1.420 1.090 2.200 2.285 2.050 2.150 2.185

39.805

MANHOLE SCHEDULE

COVER TYPE

41.650 41.650

40.900 41.000

NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER ENGINEER'S AND ARCHITEC DRAWINGS, DETAILS & SPECIFICATIONS.
- THE DRAININGE DESIGN IS BASED UPON THE LATEST ARCHITECTS LAYOUT AT THE TIME OF DESIGN. HTA ARCHITECTS DRAWING NO, WTC AL STICD EXTERNAL WORKS GENERAL ARRANGEMENTS DATED FEB 2014.
- REFER TO CLANCY DRAWING NO. 2/5930 901 & 902 FOR DRAINAGE CONSTRUCTION DETAILS.
- THAMES WATER SECTION 108 APPLICATION HAS BEEN APPROVED, THE REFERENCE NUMBER FOR THE APPLICATION IS \$506885.
- REFER TO THE ARCHITECT FOR SETTING OUT OF ALL BUILDINGS & INTERNAL DOWN PIPES & RWP'S UNO
- REFER TO SERVICE ENGINEERS DRAWINGS FOR FINAL SETTING OUT OF RWP AND SVP'S (BASED ON GUTTER SYSTEM).
- REFER TO LANDSCAPING PROPOSALS FOR EXTERNAL WORKS ARRANGEMENTS. REFER TO SERVICE ENGINEERS DRAWINGS FOR ABOVE GROUND PLUMBING ROUTES FROM APPLIANCES TO STUB STACKS ETC.
- 10. ALL PIPEWORK TO HAVE CLASS S GRANULAR BED AND SURROUND UNO. ALL EXISTING DRAINAGE THAT ARE TO BE ABANDONED TO BE 'PLUGGED' IN WITH MASS CONCRETE (150mm MIN).
- MNIMAM FALLS TO PPES: 1.80 MN FALLS
 1000 SURFACE WATER 1:100 MN FALLS
 1000 SURFACE WATER 1:200 MN FALLS (MN 0.75m/s SELF CLEANSING VELOCITY)
 1500 FOLL PPES 1:50 MN FALLS PIPES FOR ADOPTION: PIPES TO PRIVATE AREAS: VITRIFIED CLAY TO BSEN 295. VITRIFIED CLAY TO BSEN 295 OR PVC-U TO BSEN 1404-1:1998
- INSPECTION CHA MBERS ON PLAN NOT REFERENCED IN SCHEDULE TO BE 250mm Ø BY HEPWORTH
- ANY EXISTING SERVICES TO BE LOCATED AND CLEARLY MARKED PRIOR TO EXCAVATIONS. THE INFORMATION INDICATED ON THIS DRAWING IS BASED ON THE SURVEY CARRIED OUT BY "RPS: DRAWING NO. JAKGRES I 1A, 12A, 13A & 14A, DATED 300911 ANY DISCREPENCIES SHOULD BE REPORTED IMMEDIATELY PROR TO ANY WORKS BEING UNDERFAKEN.
- PROPOSED COVER AND INVERT LEVELS ON MANHOLES ARE SUBJECT TO DESIGN CHANGES DURING DESIGN DEVELOPMENT. ALL LEVELS ARE TO BE CONFIRMED BY THE CONTRACTOR ON SITE PRIOR TO C
- CONTRACTOR TO AVOID UNDERWINING ANY EXISTING FOOTPATHS/BUILDINGS DURING WORKS BY ALLOWING ADEQUATE PROTECTION ADJACENT TO THESE AREAS.
- MANHOLE COVER TYPES:
 LD: :LIGHT DUTY COVER & FRAME
 LD: :LIGHT DUTY COVER & ND FRAME (8125 TO BS EN 124 i.e. PEDESTRIAN AREAS)
 HD: HEANY DUTY COVER AND FRAME (D400 TO BS EN 124 i.e. TRAFFIC AREAS)
- INC - WAVIN MANUFACTURED POLYPROPYLENE NON-ENTRY INSPECTION CHAMBER (500/600/0 mm SHAFT, L3m - 3m DEFTHS).

 94-47 - L3m - 3m DEFTHS).

 95-48 - PARCAST CONCRETE RING MANHOLE (SEE MANHOLE REF. TYPE).
- THE PROPOSADE POLI, AND SUFFACE WATER NETWORKS HAVE NOT BEEN DESIGNED TO MEET HAS SEVERS FOR A DOPPIN THE EDITION WATER NETWORKS HAVE NOT SEVEN ADDRESSAND TO MEET WHITH IN THE FUTURE COMPLIANCE WITH SECTION 42 OF THE FLOOD AND WATER MANAGEMENT ACT 2010 MAY BE REQUIRED.

SUDS STRATEGY:

- THE SURFACE WATER DRAINAGE DESIGN IS BASED UPON MAINTAINING THE EXISTING FLOW FROM A 1in'T YEAR RAINFALL EVENT AS FAR AS POSSIBLE. THE PROPOSED STORAGE IS THEN CALCULATED ON THE BASIS OF RETAINING A 1 in 100 YEAR RAINFALL EVENT AND AN ALLOWANCE OF 30% INCREASE FOR CLIMATE CHANGE.
- EXISTING IMPERMEABLE AREA = 790m².
 PROPOSED IMPERMEABLE AREA = 620m².
 STORAGE REQUIRED FOR 1 in 100 YEAR AND CLIMATE CHANGE = 12.50m².

REVISION CHANGES - C6

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WILLINGHAM TERRACE,	POCKET LIVING LTD

Project
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Office	LONDON - 020 3077 0970
Discipline	CIVIL ENG.
Title	DRAINAGE LAYOUT & MANHOLE SCHEDULE

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NOV 2013

PP

1:100

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2	CONSTR
2	CONSTRUCTION

consulting

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IN ADDITION TO THE HALARDS, E BECK HORMAND ASSOCIATED WITH THE TYPE OF WORK CEPTALED ON THIS SEPAMBLE, THE ROPELLY FOR A COMPRENT IS ASSUMED THAT ALL WORKS, WILL BE CARRED OUT BY A COMPRENT CONTRACTOR, WORKING WHERE APPROPRIATE. TO AN APPROVED METHOD STATEMENT.

S CONSTRUCTING NEW
CONNECTIONS DRAINAGE
POTENTIAL FOR HAZARDOUS
GASES. PERMIT TO ENTER
ENSTING
SHOULD BE OBTAINED FROM
HAMES WATER
BEFORE
HAMES WATER
BEFORE
WORK, AT ALL TIMES.

HAZARDOUS WASTE MATERIALS.

DRAINAGE SOME DEPTHS
ARE SHOWN IN EXCESS OF
LOW DEEP SUITABLE
SUPPORT SYSTEM TO BE
PROVIDED TO PREVENI
TRENCHES COLLAPSING.

E. REFER TO EXISTING ERVICES DRAWING FOR DETAILS & LOCATION OF EXIGONAL PROPERTY OF A SERVICES.

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CHANNELS, AND PRECOLOR INES,
REDUCE RISK, OF
REDUCE RISK, OR
IN LOCALISED FLOODING.

HEALTH SAFETY AND ENVIRONMENTAL RISKS BOX

MAINTENANCE RISKS

DEMOLITION/ ADAPTATION RISKS

CONSTRUCTION RISKS

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