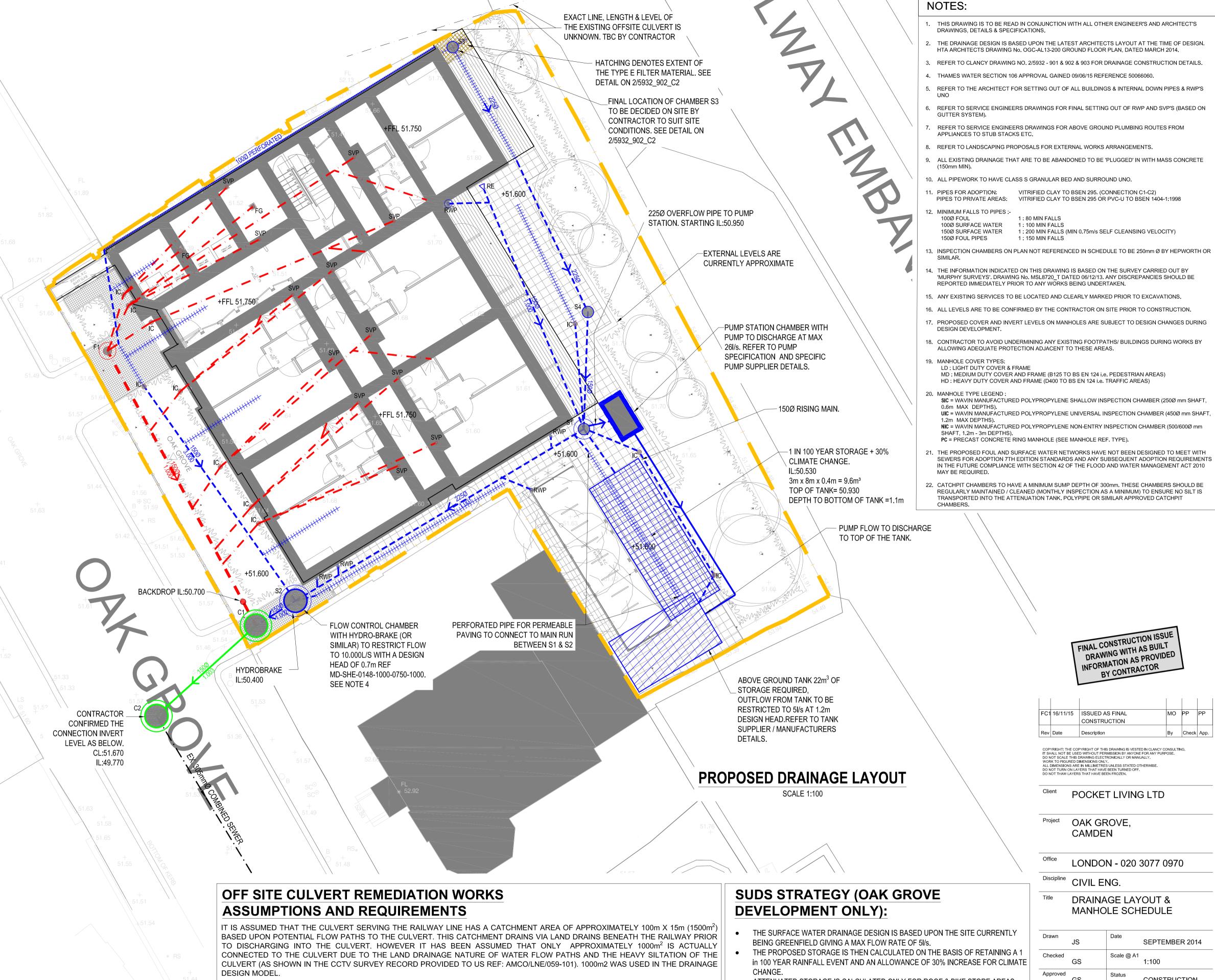


MANHOLE SCHEDULE									
MH REF	MH TYPE	SIZE Ø	COVER TYPE	COVER LEVEL	INVERT LEVEL	DEPTH			
S1	NIC	600Ø	MD	51.600	50.210	1.390			
S2	TYPE B	1200Ø	MD	51.600	50.110	1.490			
S3	POLY CATCHPIT	600Ø	MD	51.400	50.650	0.750			
S4	POLY CATCHPIT	600Ø	MD	51.600	50.550	1.050			
F1	UIC	450Ø	MD	51.600	50.900	0.700			
C1	TYPE B	1200Ø	MD	51.600	50.270	1.330			
C2	TYPE B	1200Ø	HD	51.670	49.770	1.900			

## **CDMC NOTES:**

- REFER TO EXISTING DRAWINGS, SURVEY DRAWINGS AND GROUND PENETRATING RADAR RESULTS BEFORE EXCAVATING TO AVOID HITTING ANY LIVE SERVICES.
- TRENCHES FOR SERVICES, DRAINAGE SOME DEPTHS ARE SHOWN IN EXCESS OF 1.2m DEEP. SUITABLE SUPPORT SYSTEMS TO BE PROVIDED TO PREVENT TRENCHES COLLAPSING.
- POSSIBLE MADE GROUND, POTENTIAL CONTAMINANTS INCLUDE HEAVY METALS, PAHS, SULPHATE, ASBESTOS, GROUND GAS.
- UTILITIES MAY NOT BE SHOWN IN EXACT LOCATIONS SHOWN ON SERVICES PLANS. A GROUND PENETRATING RADAR SURVEY SHOULD BE UNDERTAKEN TO IDENTIFY THE SERVICES PRIOR TO CONSTRUCTION WORKS.
- CONSTRUCTING NEW CONNECTIONS TO EXISTING MANHOLES AND NEW MANHOLES, POTENTIAL FOR HAZARDOUS GASES. PERMIT TO ENTER EXISTING MANHOLES SHOULD BE OBTAINED FROM THAMES WATER BEFORE UNDERTAKING THE WORK. RELEVANT P.P.E SHOULD BE WORN AT ALL TIMES.
- ANY CHANGES TO OR CLEANING OF THE EXISTING OFF SITE CULVERT SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.



THE CULVERT IS CURRENTLY HEAVILY SILTED AND SHOULD NOT BE CLEANED OUT OR MODIFIED IN ANYWAY. ITS CONDITION IS AS

PER THE ALREADY ISSUED CULVERT REPORT. SHOULD THIS CHANGE WE SHOULD BE IMMEDIATELY NOTIFIED AS THIS COUULD

AS THE CULVERT IS EFFECTIVELY DISCHARGING LAND DRAINAGE; ANY NEW DRAINAGE SYSTEM DESIGNED TO CATER FOR THE CULVERT DISCHARGE (WITHIN THE OAK GROVE SITE BOUNDARY) SHOULD BE REGULARLY MAINTAINED BY THE LANDOWNER AND

INSPECTED TO PREVENT SILTATION AND BLOCKAGES. THIS WILL HELP TO ENSURE THAT THE DRAINAGE SYSTEM IS WORKING TO ITS

THE SURFACE WATER DISCHARGE RATE HAS BEEN RESTRICTED TO A MAXIMUM OF 10L/S TO ACCOUNT FOR THE RUN OFF FROM THE

NEW DEVELOPMENT AND THE RUN OFF FROM THE CULVERT. THIS IS TO BE CONFIRMED BY THAMES WATER AND MAY NOT BE

DESIGNED OPTIMUM PERFORMANCE AND PREVENT LOCALISED FLOODING WITHIN THE OAK GROVE SITE BOUNDARY.

PLEASE ALSO REFER TO CLANCY FEE PROPOSAL DATED 15/05/15 FOR FURTHER CLARIFICATION ON THIS ISSUE & DESIGN.

ACCEPTED. IF A LOWER DISCHARGE RATE IS REQUIRED THEN THE ATTENUATION VOLUME WILL HAVE TO BE INCREASED.

AFFECT FLOW RATES AND THE REQUIRED ATTENUATION VOLUMES.

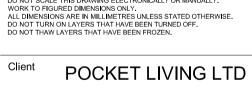
- ATTENUATED STORAGE IS CALCULATED ONLY FOR ROOF & BIKE STORE AREAS
- PERMEABLE PAVING AREAS DESIGNED TO DRAIN THEMSELVES INDEPENDENTLY. STORAGE VOLUME FOR PAVING CALCULATED BY ASSUMING NO PERMEABLE AREAS CAN DRAIN AWAY UNTIL THE ATTENUATED STORAGE HAS COMPLETELY

TOTAL SITE AREA = 765m<sup>2</sup> EXISTING IMPERMEABLE AREA = 0m<sup>2</sup> PROPOSED IMPERMEABLE AREA = 387m<sup>2</sup> PROPOSED PERMEABLE PAVING = 140m<sup>2</sup>

ATTENUATED STORAGE REQUIRED FOR 1 in 100 YEAR AND CLIMATE CHANGE = 9.6m<sup>3</sup> (FOR OAK GROVE DEVELOPMENT SITE ONLY)

- EMPTIED FOR A 30min WINTER STORM AT 5I/s.

PROPOSED SOFT LANDSCAPE = 238m<sup>2</sup>



FC1 16/11/15 ISSUED AS FINAL

CONSTRUCTION

Project OAK GROVE, CAMDEN

LONDON - 020 3077 0970

FINAL CONSTRUCTION ISSUE

DRAWING WITH AS BUILT

INFORMATION AS PROVIDED

BY CONTRACTOR

Discipline CIVIL ENG.

**DRAINAGE LAYOUT &** MANHOLE SCHEDULE

		JS		SEPTEMBER 2014
-	Checked	GS	Scale @ A1	1:100
	Approved	GS	Status	CONSTRUCTION



Job number Drawing number

2/5932

900

FC1

Revision