



Notes:

- For drainage construction details refer to drawing No. C6398-CE2 & C6398-CE3.
- For pavement construction details refer to drawing No. C6398 - CE4.
- All pipe runs are to be 100mm nominal diameter unless otherwise stated.
- The contractor is responsible for maintaining existing flows during all phases of diversionary drainage works.
- For information and setting out of internal drainage points refer to Architect's layout drawings.
- The contractor is responsible for providing gullies at all low spots in the private areas.
- All chamber cover levels given are approximate to +/- 50mm.
- All lateral pipe connections encountered as part of diversionary works are considered to be live unless stated otherwise on the drawing, and should therefore be connected back into the new drainage system.
- For details of external finishes refer to Landscape Architect's layout plans.
- Pipe gradients are for guidance only. For precise invert levels of manholes, please refer to manhole schedule.
- All private drainage beneath adoptable carriageway shall be vitrified clay extra strength and with concrete bed and surround should cover depth be less than 1.2m.
- Level threshold drains to be provided to all entrances, to Architect's Details.
- Traps are to be provided to all new surface water down pipes / outlets. All internal rainwater pipes to have access panels and be fully accessible for rodding.
- All suspended drainage is to be fitted with rodding access points as close to the head of the run as possible, at any change in direction and at no more than 12m centres.

Engineering Key:

- AF1 — Indicates adopted foul sewer
- F1 — Foul private water inspection chamber/manhole
- S1 — Storm private water inspection chamber/manhole
- High level drainage runs with drop down point.
- Indicates Back drop
- Foul/storm water shallow access chamber
- Rainwater down pipe
- Soil vent pipe/internal drainage point
- 150/80 — Pipe diameter / Pipe gradient
- Yard gully
- 'ACO' channel drain or similar approved, Channel to incorporate silt trap at outfall.
- Existing ground level
- [F.F.L. 23.925] — Proposed building finished floor level
- [23.800] — Proposed finished level
- Dropper Kerb
- Retaining wall

Manhole / Inspection Chamber Schedule

Manhole Ref	Cover Level	Invert level	Depth to Pipe invert (mm)	Type	Cover Grade	Comments
AF1	23.830	20.520	3310	B	D400	1200 dia Ring
AF2	23.400	20.575	2825	B	D400	1500 dia Ring
F1	23.700	23.100	600	H	SEALED	
F2	23.850	22.900	950	H	SEALED	
F3	23.850	22.850	1000	H	SEALED	
F4	23.850	22.800	1050	H	SEALED	
F5	23.850	22.700	1150	H	SEALED	
F6	23.850	22.600	1250	H	SEALED	
F7	23.900	23.000	900	3F	B125	
F8	23.250	22.200	1050	3F	D400	
S1	23.850	23.275	575	3F	SEALED	
S2	23.300	21.375	1925	CC	D400	Control Chamber
S3	23.250	21.425	1825	B	D400	1200 dia Ring
S4	23.300	21.750	1550	B	D400	
S5	23.250	22.480	800	3F	A15	
S6	23.375	22.575	800	3F	A15	
S7	23.350	21.750	1600	CP	D400	Catch pit
S8	23.875	22.675	1200	3F	A15	

REV	DATE	AMENDMENT	BY	CHKD
STATUS FOR TENDER				

PROJECT
**PLENDER STREET
LONDON**



DRAWING
ENGINEERING LAYOUT

DATE 14.02.14 DRAWN BY *DMP*
 SCALES (@A1)- 1:200 CHECKED BY

DRG NO. **C6398 - CE1**

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ALL NON SCHEDULED FOUL ACCESS CHAMBERS, INVERT LEVEL 23.00m A.O.D, TYPE 3F WITH GRADE A15 COVER & FRAME
 ALL NON SCHEDULED STORM ACCESS CHAMBERS, INVERT LEVEL 22.800m A.O.D, TYPE 3F WITH GRADE A15 COVER & FRAME.