



- Highway Works Agreement
- Sewer Connection Agreement
- Precise R/WP Locations
- Precise Foul Outlet Locations
- Foundation (Pile & Ground Beam) Details
- Retaining Wall Design

This drawing is to be read in conjunction with all relevant Arabtec and Engineers drawings and specifications.

Dimensions are in millimetres unless otherwise indicated.

Original topographic survey undertaken by Kings Survey.

For all dimensions, the contractor shall refer to Kings drawing No. 88925/0001.

All levels based on A.D. Datum by levelling.

Existing levels shown Dated: +0.77

After excavation commences, the Contractor shall ascertain the depths, areas and location of all obstructions. Any conflict in levels between new works and existing shall be notified to the Engineer.

All drainage shall be in accordance with the Building Regulations 2006 Part H and VLSA Joint approval.

Details of all sewerage & drains shall be confirmed by the contractor on the plan to the commencement of works.

Drainage shall be provided through walls to lead directly to manholes, unless backstops are detailed.

Private drains passing through walls and footings are to be diverted and a 600mm length of 150mm dia. pipe shall be laid with the wall footing. From outside the wall the wall will have a slope of 1:5 and surround, unless shown otherwise, shall be 60mm less than 300mm when the wall is 300mm or less in thickness. Where the wall is more than 300mm thick, the 600mm length router pipes shall be laid on each side. Below is shown a typical detail of a drain through a foundation.

Materials (MJA) covers and inspection chamber (I.C.) shall be adjusted to suit final surface level.

Where trench foundations are shown above ground level, levels shall be laid out with either well-compacted layers of 150mm layers or 1m or 1.5m concrete.

For all dimensions, the contractor shall refer to Kings drawing No. 88925/0001.

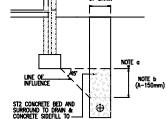
Minimum gradients for drains where it is not possible to show shall be 1:80.

Dimensions of MJA, or private drains and sewers to be in accordance with requirements of the Building Regulations.

Drainage trench slopes below foundations.

Where drainage trench is below, the distance of a building the trench is to be fixed with concrete to 100mm to the top of the foundation, in accordance with the Building Regulations 2006 Part H.

Where drainage trench is distant A from footing and the depth of trench below foundation level is greater than the lower trench shall be fixed with concrete to 100mm to A such that the top level of concrete is 100mm less than (A - 150mm) below the foundation level. Notes A and B are shown.



- [illegible]

- Contaminated Ground Remediation of contaminants in the vicinity of soakaway flows into the ground. Report G6306.
- Foul Drains / Sewers : Due to the close proximity to foul drain runs on the Southern Water will add drainage system apart

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TOPOGRAPHICAL SURVEY

PROPOSALS

PROPOSED SURFACE WATER DRAINING D 100 UNLESS NOTED OTHERWISE

SURFACE WATER MANHOLE @ +300 (INSPECTION CHAMBER) ROOFING EYE

EXISTING FLOOR FINISH

FULL PERFORATED DISTRIBUTION PIPE

FULL WATER MAIN-LOUDED @+300 INSPECTION CHAMBER ROOFING EYE

GRADIENT
RED TOP (SEE STAGE 2/3)
1 IN 400 GRADE
DISTANCE CHAMBER CENTRE TO CHAMBER CENTRE
DIRECTION OF FLOW

GRIVEN TO BE ABANDONED

HIGH STORAGE SCENARIO, SEE SCHEDULE 8

M.H. REF.	INVERT LEVEL LOWEST PIPE.	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAR OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
F1	3.370	6.100	EXISTING MH	EXISTING	-	-	
F2	3.750	6.480	EXISTING MH	EXISTING	-	-	
F3*	4.060	6.460	Ø1200	875 x 875	D400	B	STD,01,30
F4	4.200	6.340	EXISTING MH	EXISTING	-	-	

SURFACE WATER MANHOLE SCHEDULE

MR. REF.	INVERT LOWEST PUMP	COVER LEVEL	CHAMBER SIZE INTERNAL DIMS	COVER SIZE CLEAN OPENING	COVER TYPE	M.H. TYPE	COMMENT / DRG.
51	5.775	6.420	EXISTING MH	EXISTING	-	EXISTING MH	
52	5.450	6.455	750 x 675	750 x 1000	D400	CATCHPIT STD-01.47	
53	-	6.380	EXISTING MH	EXISTING	-	-	DEMOLISH EXIST. MH
54	5.450	6.300	750 x 675	750 x 1000	D400	CATCHPIT STD-01.47	
55	5.400	6.425	750 x 675	750 x 1000	D400	CATCHPIT STD-01.47	
RUN DISTRICT COUNCIL V2/18/DOC							
56	5.470	6.450	750 x 675	750 x 1000	D400	CATCHPIT STD-01.47	
57	5.400	6.200	750 x 675	750 x 1000	D400	CATCHPIT STD-01.47	
58	5.410	6.500	750 x 675	750 x 1000	D400	P2 STD-01.22	
59	5.400	6.200	750 x 675	750 x 1000	D400	CATCHPIT STD-01.47	

TYPE	DEPTH (ft)	TOTAL DEPTH (ft)	WING (in)	PISTON PLATE (L x W) (in x in)	CLAMP (CLEAR OPENING) (mm)	COVER TYPE	COMMENT
SA A	1,200	1,700	-	4,00 x 2,00	2 x 0,225	B125	1.5" thick concrete 1.5" thick concrete sawcut
SA B	1,200	1,700	-	3,00 x 2,00	2 x 0,225	B125	1.5" thick concrete 1.5" thick concrete sawcut
SA C	1,200	1,700	-	7,00 x 2,00	2 x 0,225	B125	1.5" thick concrete 1.5" thick concrete sawcut

1. A Lotrak 1800 geotextile or equivalent surround is required.

2. Soakaways shall be a minimum of 5.0m from any buildings or structures.

3. The Contractor shall immediately notify the Engineer if groundwater is encountered in soakaway pits.

4. A provisional infiltration rate of 2.50 x 10⁻⁶ m/sec has been used for soakaway design.

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2. Soakaways shall be a minimum of 5.0m from any buildings or structures.
3. The Contractor shall immediately notify the Engineer if groundwater is encountered in soakaway pits.
4. A provisional soil infiltration rate of 2.50×10^6 ml/sec has been used for soakaway design.