

General Notes

- Any indication of site boundaries is to be considered diagrammatic. This Engineering Layout is based upon layouts prepared by others and our details are not in themselves intended to be any definition of land ownership.
- The underlying topo survey information has been provided by Murphy and Subson Surveys. Tully De'Ath cannot be held responsible for any inaccuracies therein.
- The Contractor shall check all levels and dimensions. Any errors or omissions are to be reported to the Engineer immediately.
- All information regarding below ground obstructions has been added to our general arrangement drawing as far as we are reasonably able to obtain at the time. The contractor shall allow for breaking out obstructions where necessary and increasing the depth of foundations to a suitable and approved formation, in accordance with our details.
- Allowance to be made for diversion/maintenance of existing services as required.

Drainage Notes:

- All foul and roof water rest bends to have a minimum radius of 200mm about their central axis. Rest-bend invert levels for soil vent pipe connections shall be a minimum of 450mm below the lowest connection where the svp extends to the second floor of the building or below and 750mm below the lowest connection where the svp extends above the second floor of the building. Where svp and rwp outfalls cross beneath the building rwp outfall to run above the svp outfall.
- Cover levels of manholes and inspection chambers are for information only and must not be used for setting out purposes. Covers are to be set flush with the final floor or external level. Covers of existing manholes and service chambers that are to be retained shall be adjusted to match proposed levels.
- Private drainage construction to comply with NHBC requirements and BS EN 752 Parts 1 to 4.
- Drainage from units to be in plastic pipe-work to BS EN 1452 & BS EN 13398.
- Foul drainage pipe runs upstream of the referenced manhole network referred to in the manhole schedules shall be laid to a minimum gradient of 1:60 where they serve soil vent pipes and 1:40 for all other foul connections.
- Surface water drainage pipe runs upstream of the referenced manhole network referred to in the manhole schedules shall be laid to a minimum gradient of 1:80.
- Drainage beneath ground bearing slabs shall have ground heave protection. See 9100-DRG-34YY-DE280.
- It is important that the water level in the traps within the internal floor (foul) gullies, storm gullies within the light-wells and within the reverse interceptors is regularly checked and maintained in order to prevent the escape of noxious gases from the sewer network.
- Internal rising mains beyond pump chamber to be constructed from ductile iron. Pipes fittings and joints for internal rising main shall comply with BS EN 598; internal rising mains to be fixed to walls/ceilings with vibration free (isolator) fixings. For external rising main details see drawing No 226.
- Representation of all pump equipment is schematic only. Final details to be agreed with the pump supplier.

AS BUILT DRAWING
This drawing has been provided as an 'As Built' drawing based on information provided by MOUNT ANVIL.

- AB1 19.09.18 Issued 'As Built', JW SFK
- C3.27.06.17 Notes 2 & 9 amended. Note 10 added. JSR SFK
- C2.14.06.17 Drainage Note 9 added. Note added regarding M&E drawings. Storage tanks omitted. Manholes S33, S34 & S35 repositioned. JSR SFK
- C1.04.04.17 Issued for construction. JSR SFK
- T1.20.03.17 Foul pump depth reduced, see 9100-DRG-34RF-SE212 for details. Storm water pump minor cover deleted. JSR SFK
- 22.12.16 First issue under amended drawing No. 9100-DRG-28RF-00211. Pump chamber sizes amended. Rising main routes amended. JSR SFK

REV	DATE	DESCRIPTION	BY	CHK'D



TITLE:
Rosalind Franklin Pump Facilities Plan

PROJECT:
**Project No. 11581
Kidderpore Avenue**

SCALE: 1:500A1 DATE: Dec' 2016 DRAWN: JSR CHK'D: SFK

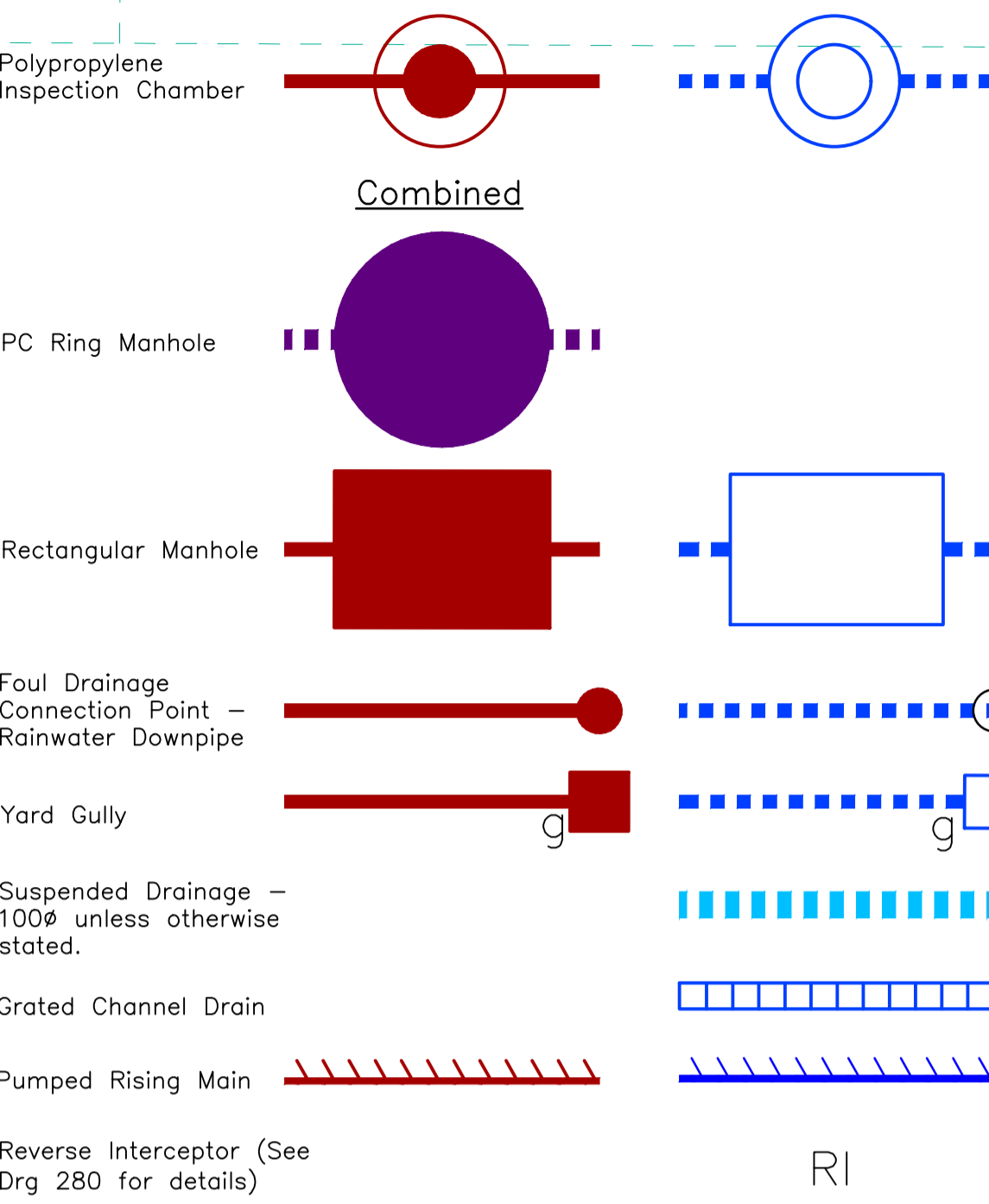
JOB NO. DRG NO. REV.

9100-DRG-34RF-00211 AB1

Tully De'Ath
consultants
Engineering at its Best

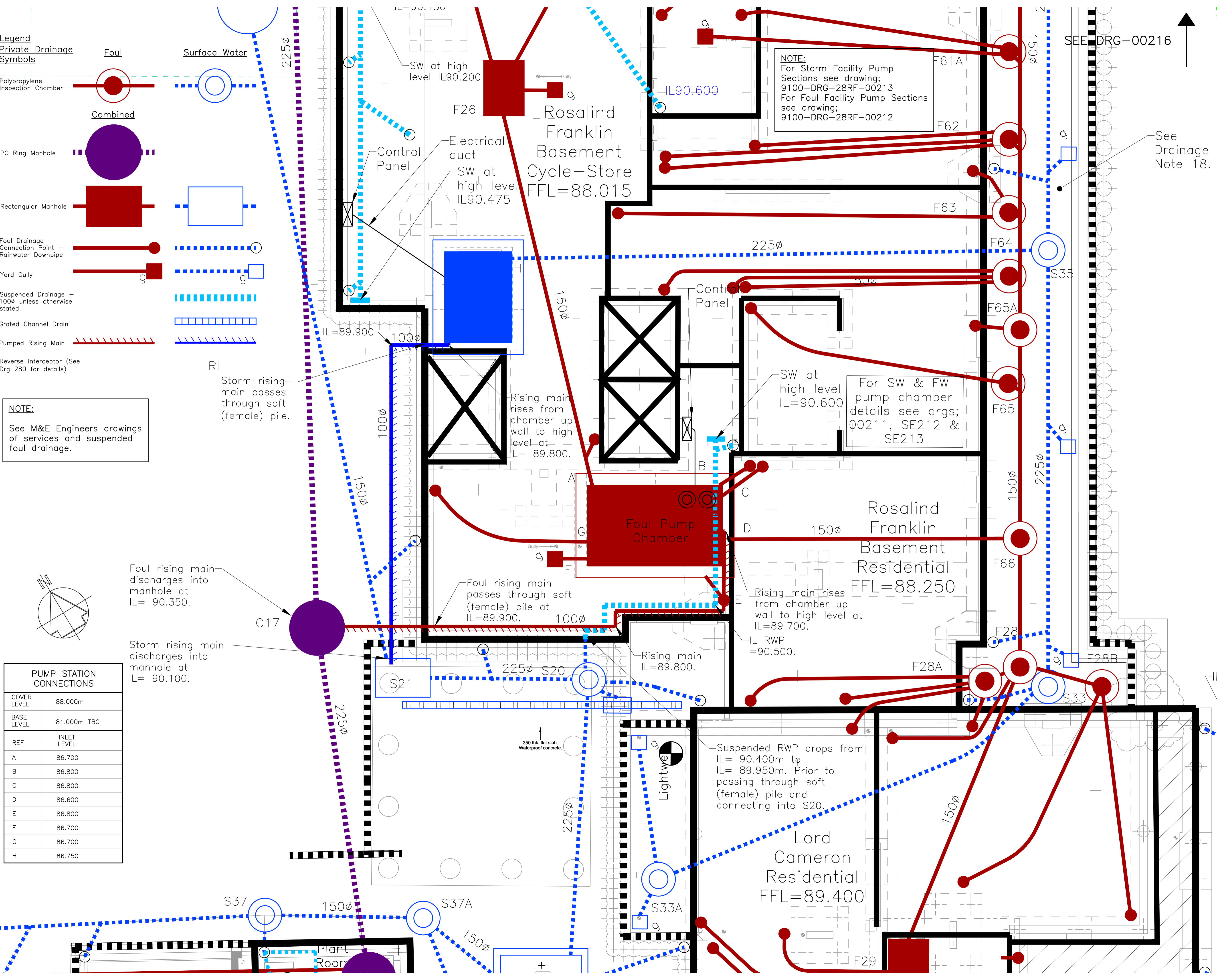
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Legend Private Drainage Symbols



NOTE:
See M&E Engineers drawings of services and suspended foul drainage.

COVER LEVEL	88.000m
BASE LEVEL	81.000m TBC
REF	INLET LEVEL
A	86.700
B	86.800
C	86.800
D	86.600
E	86.800
F	86.700
G	86.700
H	86.750



NOTE:
For Storm Facility Pump Sections see drawing; 9100-DRG-28RF-00213
For Foul Facility Pump Sections see drawing; 9100-DRG-28RF-00212

For SW & FW pump chamber details see drgs; 00211, SE212 & SE213

Suspended RWP drops from IL= 90.400m to IL= 89.950m. Prior to passing through soft (female) pile and connecting into S20.

Foul rising main discharges into manhole at IL= 90.350.

Storm rising main discharges into manhole at IL= 90.100.

Foul rising main passes through soft (female) pile at IL=89.900.

Rising main rises from chamber up wall to high level at IL=89.700.

350 thk. flat slab. Waterproof concrete.

See Drainage Note 18.

SEE DRG-00216

