

NOTES

Contractor is confirm, on site, all information given relating to existing services and drainage connections etc. prior to commencing the works and any discrepancies reported immediately to the engineer. Allow for hand dig around existing services where necessary.

Existing flows in watercourses, sewers and land drainage shall be maintained at all times during the works or handled accordingly.

All connections to existing public sewers are to be made to the satisfaction of the Sewerage Undertaker and the Local Authority.

All private drainage within the site is to comply with the requirements of BS 8005, BS 8301 and the Building Regulations Approved Document H.

Concrete protection of pipework is to be provided as follows:-

- All pipework within pedestrian / soft areas with a cover less than 600mm.
- All pipework beneath areas subject to vehicular overrun with a cover less than 1.2m.

Any gradients of drains are indicative only and The Contractor shall install drains to the invert levels shown for each manhole, or check with the Engineer if any doubt.

Cover levels of the manholes are provisional and subject to adjustment to suit the finished ground levels.

Unless noted otherwise, all manhole invert levels are to the lowest (outgoing) pipe. All incoming pipework to be laid soffits level.

All external levels to be checked against latest Architects drawings

Unless noted otherwise all pipework is 110mm dia to following minimum gradients.

Foulwater 1:40 at head of run then 1:80
Stormwater 1:60 at head of run then 1:100

All drainage outlet positions, (rainwater pipes and soil stacks), to be checked against latest Architects drawings.

All RWP and Stack connections to be 110mm dia.

ACCESS COVERS	
LOAD CLASS TO BS EN 124	APPLICATIONS
POLYMER	RODDING EYES & SHALLOW ACCESS FITTINGS
A15	PPIC & MH IN GARDENS
B125	PPIC (WITH CONCRETE COLLAR) & MANHOLES IN LIGHT CAR PARKS, PEDESTRIAN AREAS & DRIVES
D400	FOR CONSTRUCTED MANHOLES ONLY IN PUBLIC AREAS AND CAR PARKS

A		30.06.15	ISSUED FOR INFORMATION & APPROVAL	SJ	DJ
Rev	Date	Description	By	Chkd	

Project
**LATER LIFE HOUSING
CHAPEL STREET**

Client
MCCARTHY AND STONE RETIREMENTS LIFESTYLES LTD

Job No.	Drawing No.	Revision	Scale	1:200	UNO @ A1
NT-1988-04-SE-013	A	Date	11.06.2015		
		By	SGJ		
		Chkd	DJ		

Drawing Title

PROPOSED DRAINAGE LAYOUT

LEGEND

- Osma shallow inspection chamber (S.I.C.)
- < 1.2m depth use Osma universal inspection chamber. (U.I.C.)
- > 1.2m depth use Osma non-entry inspection chamber (N.I.C.)
- Wavin TEGRA non-entry inspection chamber
- Storm PC Catchpit Manhole (1200mm dia)
- Foul PC Manhole (1200mm dia)
- New combined PC Manhole (1200mm dia)

- Existing Combined Sewer
- Existing Surface Water Sewer
- Proposed Foul Drain
- Proposed Surface Water Drain
- Stormwater storage tank
- Aquatic CORE cells by Wavin or other approved system
- Storage tank air vent termination point
- 350 x 750 deep road gully

- External Works Key
- Proposed Trees
 - Proposed Shrubs
 - Existing trees/shrubs to be retained
 - 800x600mm Pumping Flag
 - Rumble Strips

CRITICAL INFORMATION
Foul Drainage Connection
Requires S106 agreement with United Utilities.
Re-use existing connection if available or construct new manhole.
Further on site investigations required to determine existing drain runs / levels

**REFER TO ARCHITECTS
PLANS FOR EXTERNAL CAR
PARK LEVELS**

