



## **DRAINAGE CALCULATIONS**

**Chipping Lane  
Longridge  
Preston**

**August 2016**

Designed By: Barratt Manchester  
4 Brindley Road  
City Park  
Manchester  
M16 9HQ

## CONTENTS

- **Network Layout**

Proposed Drainage Areas Plan

- **Storm Sewer Design**

Storm Drainage Design (1 in 2 yr)  
Storm Manhole Schedules

- **1 in 30 yr Storm Event Rainfall Simulation**

Critical Storm results for summer & winter profile, 15-360 min.

- **1 in 30 yr Storm Event Rainfall Simulation- Surcharged Outfall**

Critical Storm results for summer & winter profile, 15-360 min.

- **1 in 100 yr + 30% Storm Event Rainfall Simulation**

Critical Storm results for summer & winter profile, 15-360 min

- **Foul Sewer Design**

Foul Drainage Design (1 in 2 yr)  
Foul Manhole Schedules

## **Network Layout**

Proposed Drainage Areas Plan

## **Storm Sewer Design**

Storm Drainage Design (1 in 2 yr)

# **Storm Sewer Design**

Storm Manhole Schedules

## **1 in 30yr Rainfall Simulation**

Critical Storm results for summer & winter profile, 15-360 min.

**1 in 30 yr Rainfall Simulation  
Surcharged Outfall**

Critical Storm results for summer & winter profile, 15-360 min.

## **1 in 100 yr + 30% Rainfall Simulation**

Critical Storm results for summer & winter profile, 15-360 min.



## **Foul Sewer Design**

Foul Drainage Design (1 in 2 yr)

## **Foul Sewer Design**

Foul Manhole Schedules