

SANITARY SEWER DESIGN SHEET

THE FOLLOWING POPULATION ALLOWANCES WILL APPLY WHEN DESIGNING SANITARY SEWERS:

DATE : June 2022

CITY OF LONDON

LOW DENSITY (SINGLE FAMILY/SEMI-DETACHED) = 44 UNITS/HA @ 3 PEOPLE/UNIT

MEDIUM DENSITY (TOWNHOUSES) = 75 UNITS/HA @ 2.4 PEOPLE/UNIT CITY ENGINEER'S DEPARTMENT

HIGH DENSITY = 150-350 UNITS/HA @ 1.6 PEOPLE/UNIT

COMMERCIAL = 100 PEOPLE/HA

INDUSTRIAL = 150 PEOPLE

DESIGNED BY : AMTJ

CHECKED BY :

FILE No : 21-2059

SHEET : 1

(B) LOT BASIS

SINGLE FAMILY = 3 PEOPLE PROJECT NAME : REIMAGINE Southdale

DUPLEX / SEMI = 6 PEOPLE 551-1211 Southdale Road E

DESIGN CRITERIA

SEWAGE = 230 L/capita/day 0.00266 L/capita/second

INFILTRATION = 0.1 L/ha/second

$$\text{PEAKING FACTOR} = \text{HARMON FORMULA} \quad M = 1 + \frac{14}{4 + p^{0.6}}$$

Notes:

1. Unit counts taken from Thier and Curran Architects ZBA Master Plan, dated June 1, 2022
2. Size and slope of outlet to Southdale taken from City File: 4895; Damas and Smith Limited As-Constructed Drawing Dated August 1975
3. Design Criteria from City of London DS&RM March 2022 update.

