EXAMPLES OF PROPOSED WASTEWATER FLOW CALCULATIONS

EXAMPLE FOR 120 SINGLE FAMILY HOMES

PROPOSED WASTEWATER FLOW CONTRIBUTIONS	
POINT OF CONNECTION (POC) DETAILS;	
APPROVED POC TRACKING NUMBER	0256-2022
EXPIRATION DATE OF POC	12/7/2023
APPROVED POC FLOW = (Q avg) [MGD]	0.030
PROPOSED AVERAGE FLOW (Q avg FLOW) CALCULATIONS	
[X] => NUMBER OF BILLING UNITS	120
[Y] => ERU FACTOR PER BILLING UNIT	1
[X] x [Y] => (Q avg FLOW) [ERU]	120
(((Q avg FLOW) [ERU]) X 250)/(1,000,000) => (Q avg FLOW) [MGD]	((120) x (250))/(1,000,000) = 0.030

EXAMPLE FOR TWO [2] PROJECTS

PROPOSED WASTEWATER FLOW CONTRIBUTIONS	
POINT OF CONNECTION (POC) DETAILS;	
APPROVED POC TRACKING NUMBER	0412-2023
EXPIRATION DATE OF POC	11/9/2023
APPROVED POC FLOW = Q avg (MGD)	0.040
PROPOSED AVERAGE FLOW (Q avg) CALCULATIONS	
PROJECT 1 OF 2	
[X] => NUMBER OF BILLING UNITS	90
[Y] => ERU FACTOR PER BILLING UNIT	1 ERU
[X] x [Y] => (Q avg FLOW) [ERU]	90
(((Q avg FLOW) [ERU]) X 250)/(1,000,000) => (Q avg FLOW) [MGD]	0.0225
BALANCE = (APPROVED FLOW) - (PROJECT 1)	0.0175
PROJECT 2 OF 2	
[X] => NUMBER OF BILLING UNITS	30
[Y] => ERU FACTOR PER BILLING UNIT	1
[X] x [Y] => (Q avg FLOW) [ERU]	30
(((Q avg FLOW) [ERU]) X 250)/(1,000,000) => (Q avg FLOW) [MGD]	0.0075
BALANCE = (APPROVED FLOWS) - (PROJECT 1 + PROJECT 2)	0.0100

EXAMPLE FOR CARE CENTER

PROPOSED WASTEWATER FLOW CONTRIBUTIONS	
POINT OF CONNECTION (POC) DETAILS;	
APPROVED POC TRACKING NUMBER	0218-2023
EXPIRATION DATE OF POC	11/10/2023
APPROVED POC FLOW = (Q avg) [MGD]	0.0050
PROPOSED AVERAGE FLOW (Q avg FLOW) CALCULATIONS	
[X] => NUMBER OF BILLING UNITS	200
[Y] => ERU FACTOR PER BILLING UNIT	0.1
[X] x [Y] => (Q avg FLOW) [ERU]	20
(((Q avg FLOW) [ERU]) X 250)/(1,000,000) => (Q avg FLOW) [MGD]	0.0050

EXAMPLE FOR SQUARE FOOTAGE CALCS (DIFFERENT TEMPLATE)

PROPOSED WASTEWATER FLOW CONTRIBUTIONS	
POINT OF CONNECTION (POC) DETAILS;	
APPROVED POC TRACKING NUMBER	0327-2022
EXPIRATION DATE OF POC	12/9/2023
APPROVED POC FLOW = (Q avg) [MGD]	0.003
PROPOSED AVERAGE FLOW (Q avg FLOW) CALCULATIONS	
[X] => NUMBER OF SQUARE FEET [SF]	20,500
[Y] => GALLONS/DAY/SF	0.10
[X] x [Y] => (Q avg FLOW) [GPD]	2,050
((Q avg FLOW) [GPD])/250)=> (Q avg FLOW) [ERU]	8.20
(((Q avg FLOW) [ERU]) X 250)/(1,000,000) => (Q avg FLOW) [MGD]	(8.20 X 250)/(1,000,000) = 0.00205