DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS

HYDRAULIC COMPUTATION TEMPLATE

JOB _____ SHEET _____ OF _____
LOCATION _____ COMPUTED BY _____
DATE _____ CHECKED BY _____
DATUM _____ APPROVED BY _____

SANITARY SEWER DESIGN

CFS = POP. X .000231

LOCATION	FROM	TO	ZONING	AREA (ACRES)		DENSITY PERSONS/ACREA	TOTAL POPULATION	DOMESTIC FLOW (CFS)			INDUSTRIAL WASTE		INFILTRATION (CFS)	DESIGN FLOW (CFS)	SURFACE ELEVATION		COVER (FEET)		INNER TOP ELEVATION		FALL (F.T.)	LENGTH (F.T.)	SLOPE (%)	SHAPE OF SEWER	DIMENSION OF SEWER	CAPACITY OF SEWER (CFS)	VELOCITY (FPS)	REMARKS
				INCREMENT	TOTAL			AVERAGE	PEAK FACTOR	PEAK FLOW	AVERAGE (CFS)	PEAK (CFS)			UPPER END	LOWER END	UPPER END	LOWER END	UPPER END	LOWER END								

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS

HYDRAULIC COMPUTATION TEMPLATE

$$R = \frac{125}{T+15}$$

STORMWATER SEWER DESIGN

JOB _____   SHEET _____ OF _____

LOCATION _____   COMPUTED BY _____

DATE _____   CHECKED BY _____

DATUM _____   APPROVED BY _____

LOCATION	FROM	TO	ZONING	AREA UNIT	TOTAL 'A'	RAINFALL INTENSITY (IN./HR.)	RUN-OFF COEFF.	TOTAL RUN-OFF (CFS)	SURFACE ELEVATION		COVER		INNER TOP ELEVATION		FALL (F.T.)	LENGTH (F.T.)	SLOPE (%)	SHAPE OF SEWER	DIMENSION OF SEWER	CAPACITY OF SEWER (CFS)	VELOCITY (FPS)	TIME ELAPSED (MIN)			REMARKS
									UPPER END	LOWER END	UPPER END	LOWER END	UPPER END	LOWER END								UPPER END OF SECTION	IN SECTION	LOWER END OF SECTION	

Rev. 07/22/10

NYC Environmental Protection

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS
HYDRAULIC COMPUTATION TEMPLATE

COMBINED SEWER DESIGN

JOB _____

LOCATION _____

DATE _____

DATUM _____

COMPUTED BY _____

CHECKED BY _____

APPROVED BY _____

SHEET _____ OF _____

LOCATION			ZONING	AREA (ACRES)		DENSITY (PERSONS/ACRE)	TOTAL POPULATION	SANITARY FLOW (CFS)					STORM FLOW (CFS)			DESIGN COM. FLOW CFS	SURFACE EL. (FT)		COVER (FT)		INNER TOP (FT)		FALL (FT)	LENGTH (FT)	SLOPE (%)	SHPAE	DIMENSION (IN)	CAPACITY (CFS)	VELOCITY (FPS)	TIME ELAPSED (MIN)		REMARKS
	FROM	TO		INCREMENT	TOTAL			AVERAGE	PEAK FACTOR	PEAK FLOW	INFILTRATION	DESIGN SAN. FLOW	RUN-OFF COEFF	INTENSITY (IN/HR)	DESIGN STM. FLOW		UPPER END	LOWER END	UPPER END	LOWER END	UPPER END	LOWER END								UPPER END	IN SECTION	LOWER END	