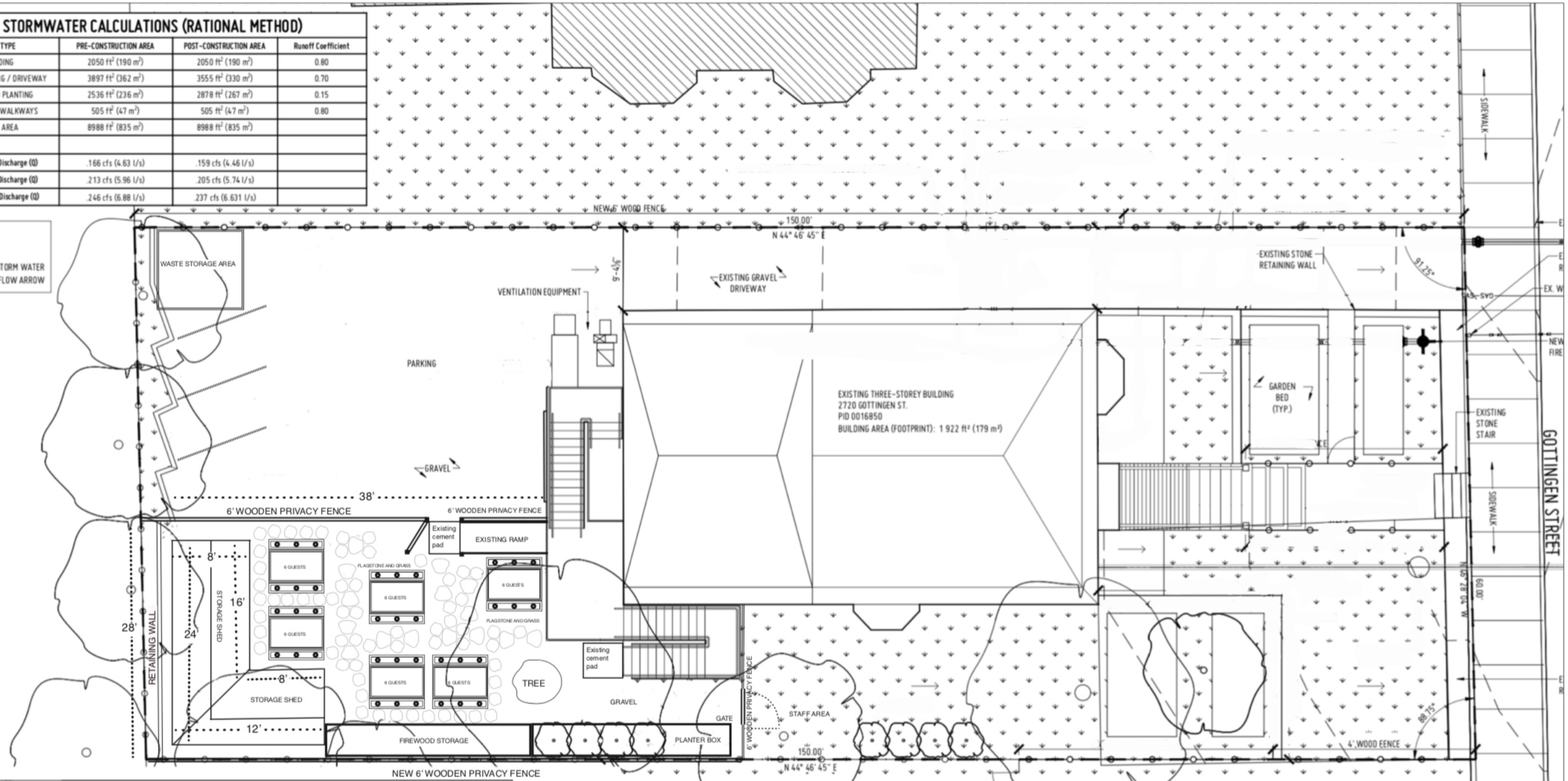
STORMWATER CALCULATIONS (RATIONAL METHOD)

AREA TYPE	PRE-CONSTRUCTION AREA	POST-CONSTRUCTION AREA	Runoff Coefficient
BUILDING	2050 ft² (190 m²)	2050 ft² (190 m²)	0.80
GRAVEL PARKING / DRIVEWAY	3897 ft² (362 m²)	3555 ft² (330 m²)	0.70
GRASS AND PLANTING	2536 ft² (236 m²)	2878 ft² (267 m²)	0.15
WALLS AND WALKWAYS	505 ft² (47 m²)	505 ft² (47 m²)	0.80
TOTAL AREA	8988 ft² (835 m²)	8988 ft² (835 m²)	
2-Year Peak Discharge (Q)	.166 cfs (4.63 l/s)	.159 cfs (4.46 l/s)	
5-Year Peak Discharge (Q)	.213 cfs (5.96 l/s)	.205 cfs (5.74 l/s)	
10-Year Peak Discharge (Q)	.246 cfs (6.88 l/s)	.237 cfs (6.631 l/s)	

LEGEND

→ SITE STORM WATER FLOW ARROW



NOTES:

1. The 256sqft storage shed would be used to store benches, tables, umbrellas, and garden tools, it would also function as a buffer from the neighbouring properties on the west side of the patio. Guests will not be permitted inside the shed.

2. Approximately 925 sq ft of seating area for 38 guests. The seating area would be surfaced with a combination of flagstone, grass, and gravel. Flagstone will only be used in higher traffic areas.

3. New 6 foot privacy fence to be built around the perimeter of the patio, see fence drawings.

4. Three parking spaces will be retained, one of which will remain for accessible use only.

5. Guests will only be permitted to enter and exit the patio through the dining room area.

6. Last call at 9:30pm, all guests off the patio before 10pm.

7. Firewood storage and planter boxes will be placed along the south side of the patio as a further buffer and noise barrier.

FENCE DETAIL