

Development of a Flower Garden Planting and Maintenance Plan



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Background

Gather on Trent is a holistic community support system. They offer cottage rentals and retreats that aim to provide a meaningful & nurturing experience. This community organization is run by Shamila Mackie and various retreat partners. It is located at 432 County Rd, Campbellford, Ontario.

Purpose: This flower garden is intended to grow flowers to be sold in bouquets.

Objective: Develop a planting and maintenance plan for a ¼ acre flower garden for Gather on Trent.

Methods

Creating a Plan

- Consider common flowers used in arrangements as well as wildflowers and greenery
- Schedule best times for seed sowing, planting, and harvesting.
- Create maintenance plan to ensure the health of the garden.

Creating a Layout

- Google Earth utilized for obtaining visual and shape of study area.
- Chosen flowers considered for aesthetics, climate and height.
- Different colours & shapes/polygons incorporated in landscape design.
- Inspiration of layout comes from the logo of the sun for Gather on Trent.

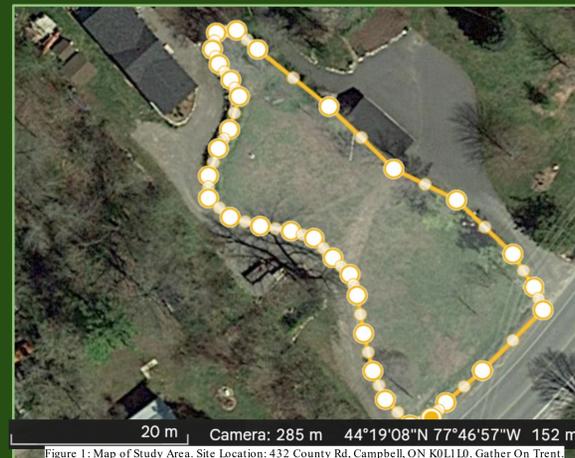


Figure 1: Map of Study Area. Site Location: 432 County Rd, Campbell, ON K0L1L0, Gather On Trent.

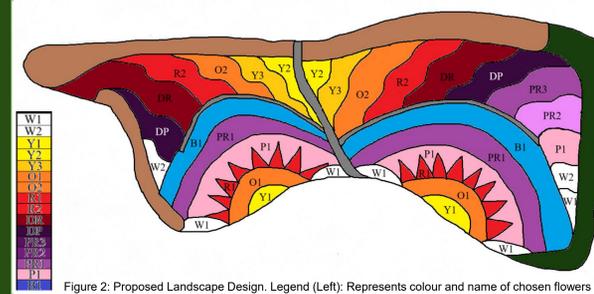


Figure 2: Proposed Landscape Design. Legend (Left): Represents colour and name of chosen flowers

Criteria for Chosen Flowers:

- Colour & aesthetics (representing sunrise/sunset colours)
- Height: ranging from approximately 15cm (shortest) to 120cm (tallest)
- Flowering Season: Spring, Summer or Fall
- Other: Annual or Perennial; Primary or Secondary

Names of Flowers/ Grasses:

W1	White Carnations
W2	Baby's Breath
Y1	Yellow Marigold
Y2	Daffodils
Y3	Yellow Petunia
O1	Orange Marigold
O2	Celosias
R1	Red Marigold
R2	Red Poppies
DR	Cardinals
DP	Cinnamon Basils
PR3	Lavender
PR2	Corn Cockles
PR1	Salvias
P1	Pink Tulips
B1	Bachelor Buttons
G	

Chosen Flowers/ Grasses:



1: Feather Reed/ Karl Foerster; 2: Chinese Silver Grass; 3: Red Fountain Grass; 4: Blue Fescue

Results

Identification of Climate:

- Hardiness zone 5b (average lowest temp. -20°C)
- Full sun across the planting area
- Growing season ~20 weeks (from last frost in spring to first frost in fall)

Benefits of Flower Gardens:

- Additional stream of income
 - Can sell cut flowers in bouquets
- Marketing
 - Improves the property's aesthetics
- Enhances the guest experience

Planting & Harvesting Schedule

	Sow seeds	Plant flowers	Harvest flowers	Harvest seeds
Early Spring (4 weeks, start at last frost)	Bachelor buttons, corncockle, salvia	Baby's breath, bachelor buttons, cardinal flower, dianthus, fountain grass, poppy	Daffodils, tulips (starting in second year)	N/A
Late Spring/ Early Summer (4 weeks)	Celosia, marigold, basil	Celosia, chinese silver grass, corncockle, Karl Foerster grass, marigold, petunia	Bachelor buttons, dianthus, corncockle, daffodil, marigold, poppy	N/A
Mid Summer (4 weeks)	N/A	N/A	Baby's breath, bachelor buttons, dianthus, celosia, marigolds, lavender	Marigold, poppy
Late Summer/ Early Fall (4 weeks)	N/A	Blue fescue, lavender, salvia, tulip bulbs	Baby's breath, dianthus, lavender, marigolds	Cardinal flower, basil, marigold, poppy
Late Fall (4 weeks/ until first frost)	Cardinal flower, poppy	Daffodil bulbs	Marigold, lavender	Cardinal flower, basil, marigolds

Recommendations

- Soil collection & sampling parameters
- Bouquet compositions
 - What flowers to use
- Where to put new seeds/flowers
 - Spacing, grouping, etc.
- Schedules:
 - Seed sowing & flower planting
 - Flower & seed Harvest

Land Acknowledgment

We respectfully acknowledge that Peterborough County is located on the Treaty 20 Michi Saagiig territory and in the traditional territory of the Michi Saagiig and Chippewa Nations, collectively known as the Williams Treaties First Nation, which include: Alderville, Beausoleil, Curve Lake, Georgina Island, Hiawatha, Rama and Scugog Indian First Nations. Peterborough County respectfully acknowledges that the Williams Treaty First Nations are the stewards and caretakers of these lands and waters in perpetuity, and that they continue to maintain this responsibility to ensure their health and integrity for generations to come.

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