

Township of Springwater Water and Wastewater Master Plan

Public Information Centre Phase 2

WELCOME

July 22, 2025



Land Acknowledgement

The Township of Springwater acknowledges that the land on which we gather today is located on the traditional territory of the Anishinaabek (a-nish-i-na-beck) Nation, which includes the Ojibwe (o-jib-way), Odawa (o-dah-wa), and Pottawatomi (pot-a-wa-tom-ee) Nations, collectively known as the Three Fires Confederacy, the Ouendat (WENdatt) and the Haudenosaunee (ho-deen-nohSHAW-nee).

The Township of Springwater is dedicated to honouring Indigenous history and culture and is committed to coming together to learn, heal and create future prosperity, respect and understanding in our community.

Purpose of this PIC

This is the second PIC undertaken as part of the Water and Wastewater Master Plan to evaluate current and future water and wastewater servicing needs in the Township of Springwater to the year 2041.



STEP 1: To show expected development and growth in each Urban Settlement Area: Anten Mills, Centre Vespra, Elmvale, Hillsdale, Midhurst, Minesing, Phelpston, and Snow Valley;



STEP 2: To present results of System Evaluations;



STEP 3: To present Direct Recommendations arising from System Evaluations;



STEP 4: To present Alternative Servicing Strategies for systems where there is more than one option;

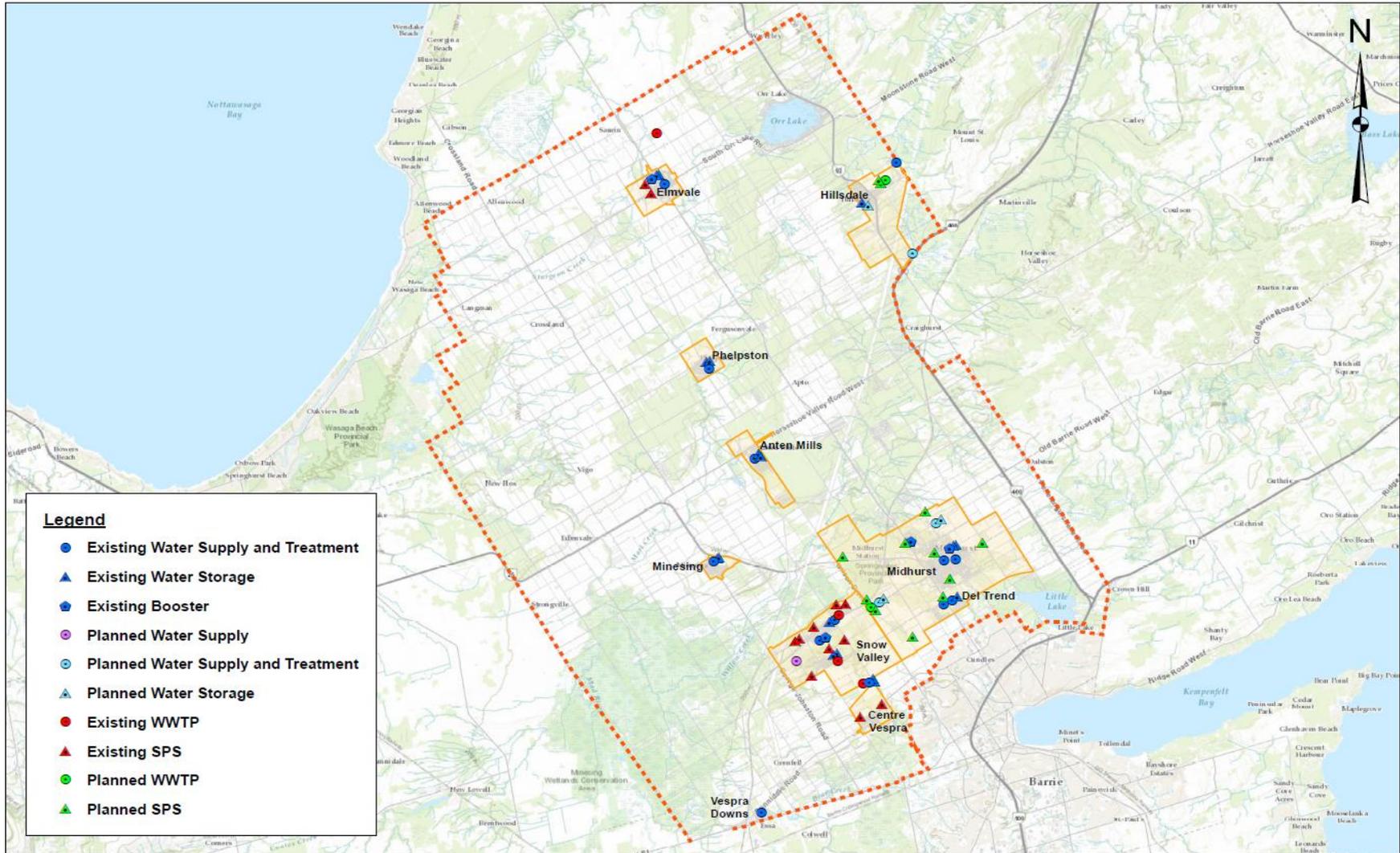


STEP 5: To present results of the Evaluation of Alternative Servicing Strategies (Recommended Solutions); and



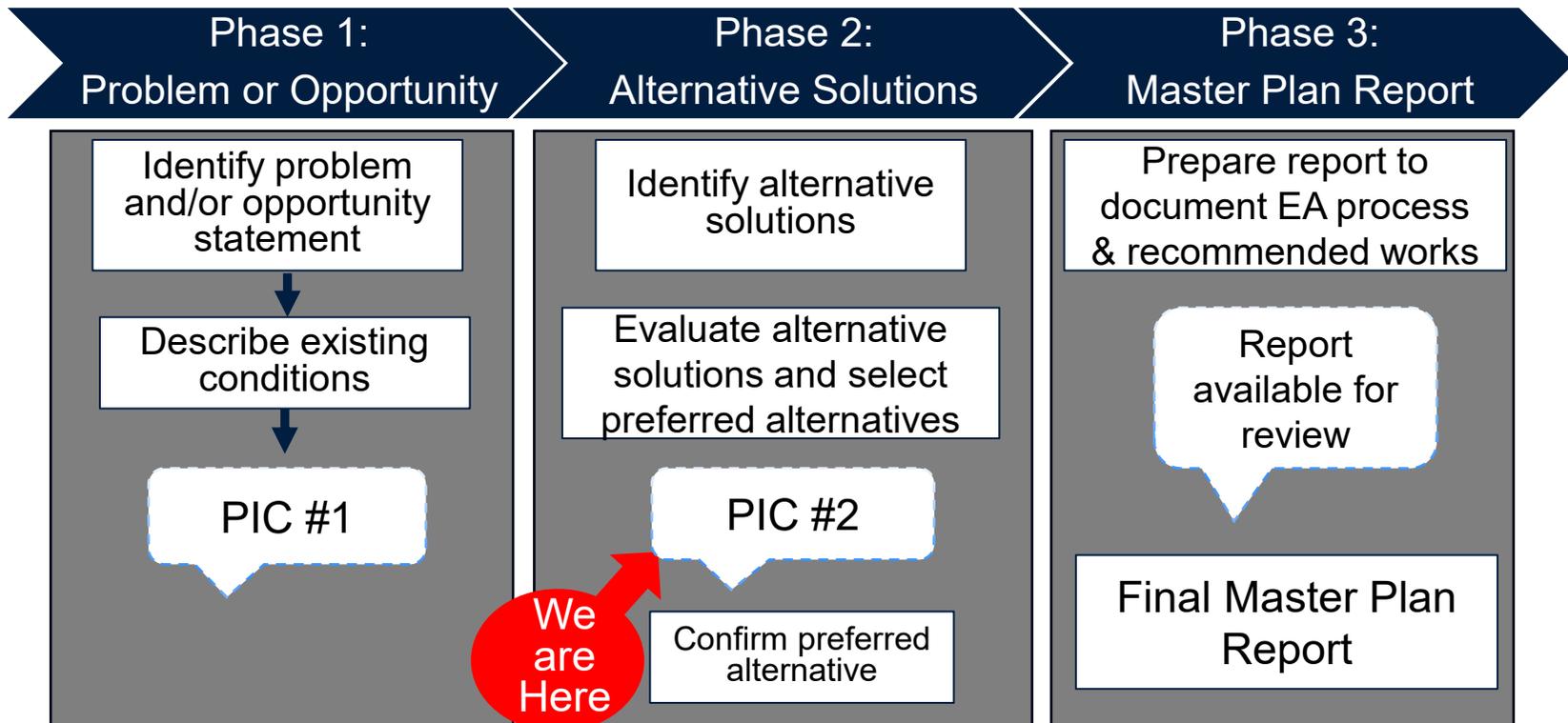
STEP 6: To receive feedback on Master Plan progress to date.

Springwater's Urban Settlement Areas



Class Environmental Assessment Process

This Master Plan is being carried out in accordance with Approach #1 as identified in the 2024 Amended Municipal Class Environmental Assessment (EA) document. This upholds the Township's Official Plan & mission of supporting development in designated areas, maintaining community characteristics and preserving natural heritage.





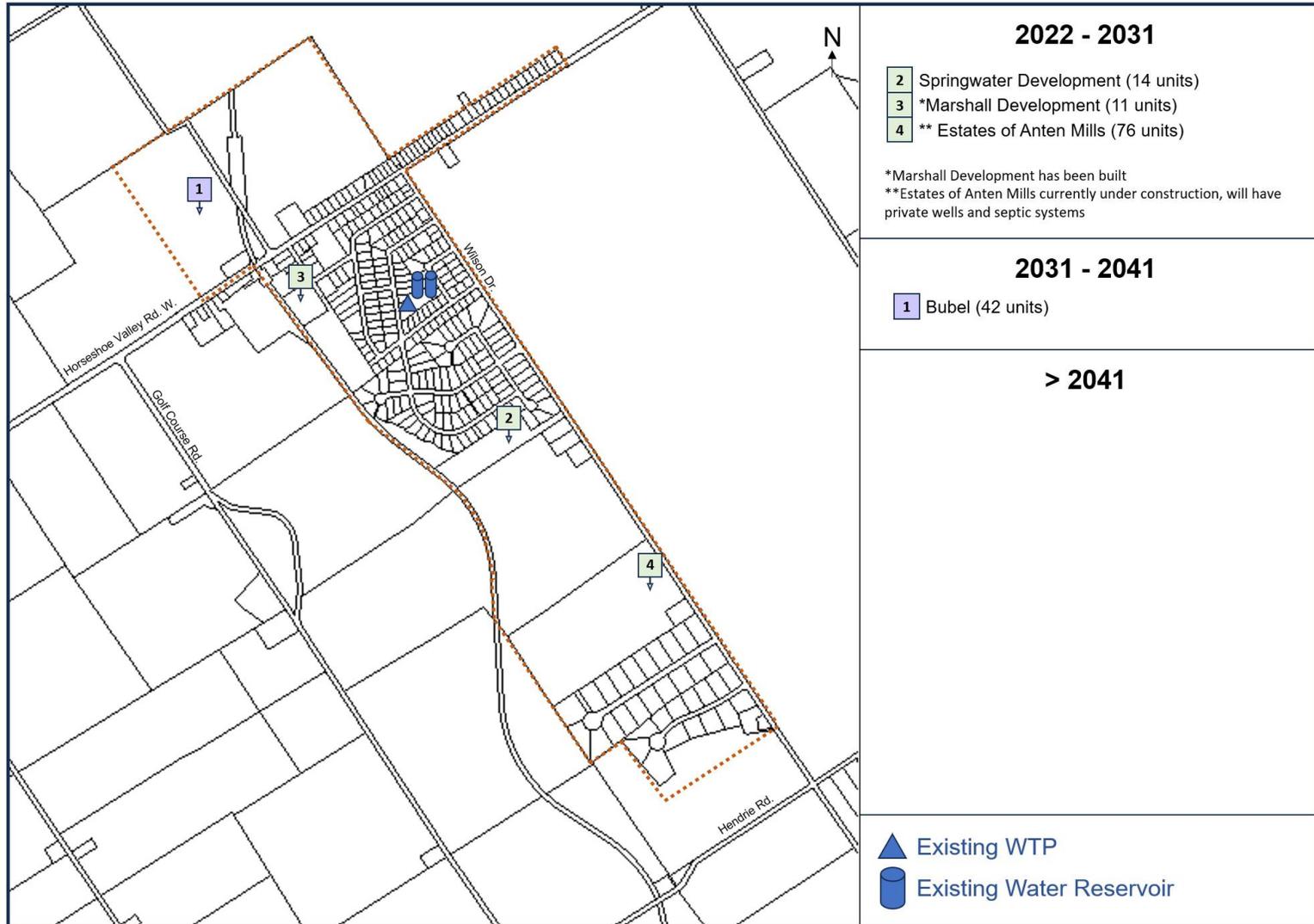
STEP 1: Updated Population Growth Forecasts

The Official Plan categorizes communities within the Township into Major, Intermediate and Minor urban settlement areas. These are where the majority of new developments will proceed over the next 20+ years. Forecasted growth is currently anticipated as follows:

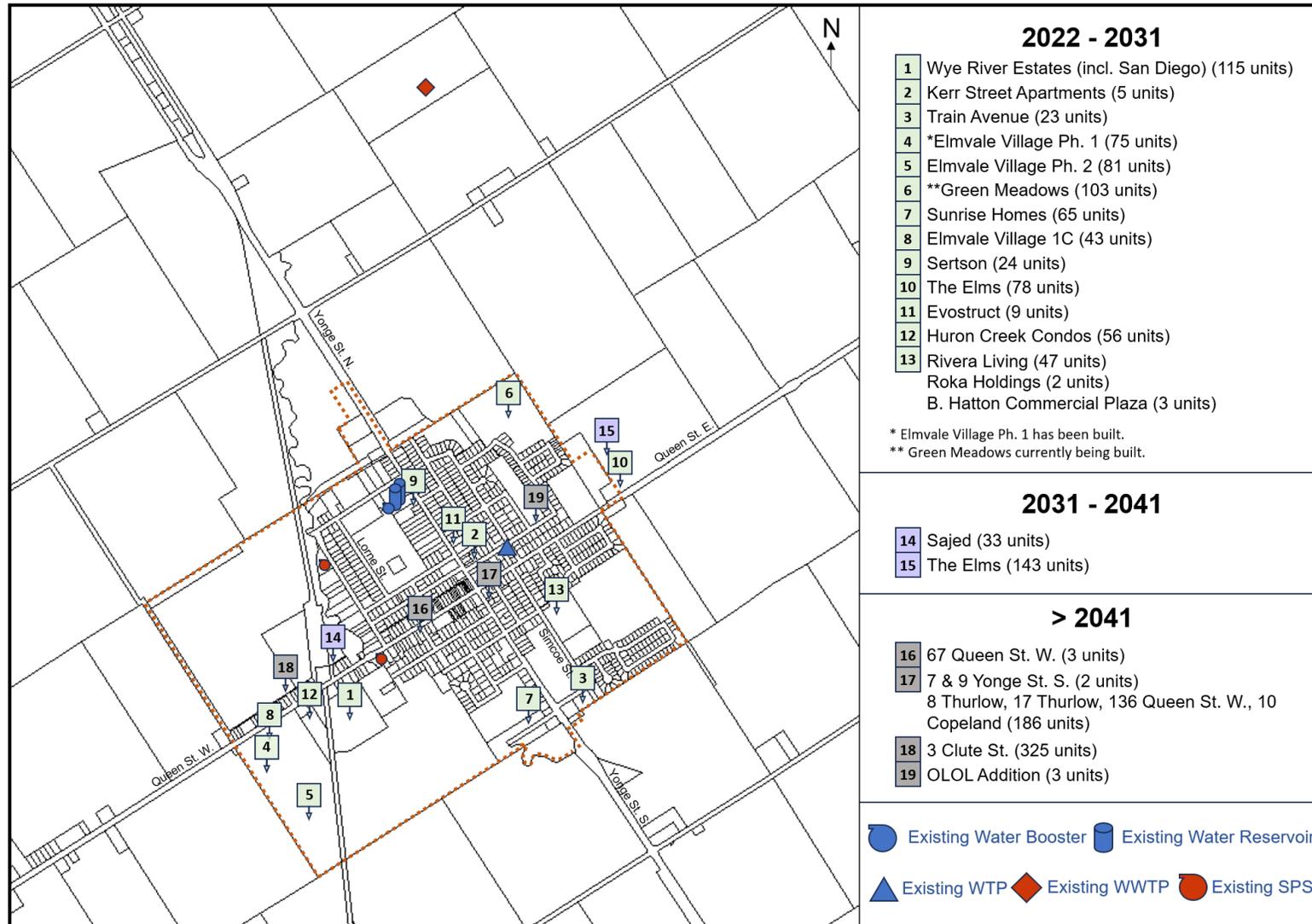
YEAR	MAJOR			INTERMEDIATE	MINOR		
	Elmvale	Hillsdale	Midhurst		Snow Valley (includes Centre Vespra)	Anten Mills	Minesing
2022	3012	1104	3712	3804	526	704	246
2031	5070	1805	11399	5304	969	704	246
2041	5858	2738	29860	8048	969	704	246

Shown are community populations in 2022 and projected to 2031 and 2041

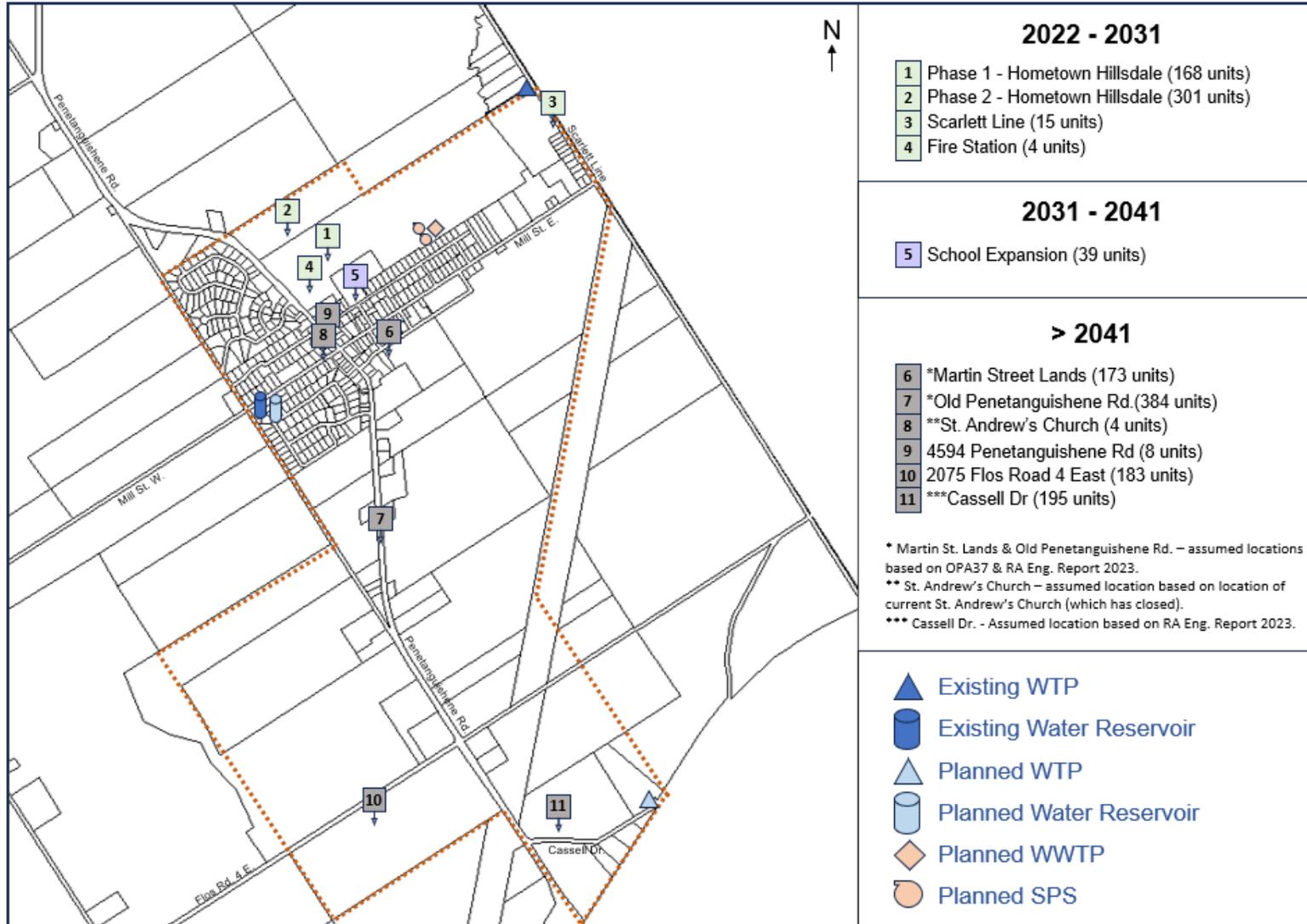
STEP 1: Planned Growth Areas - Anten Mills



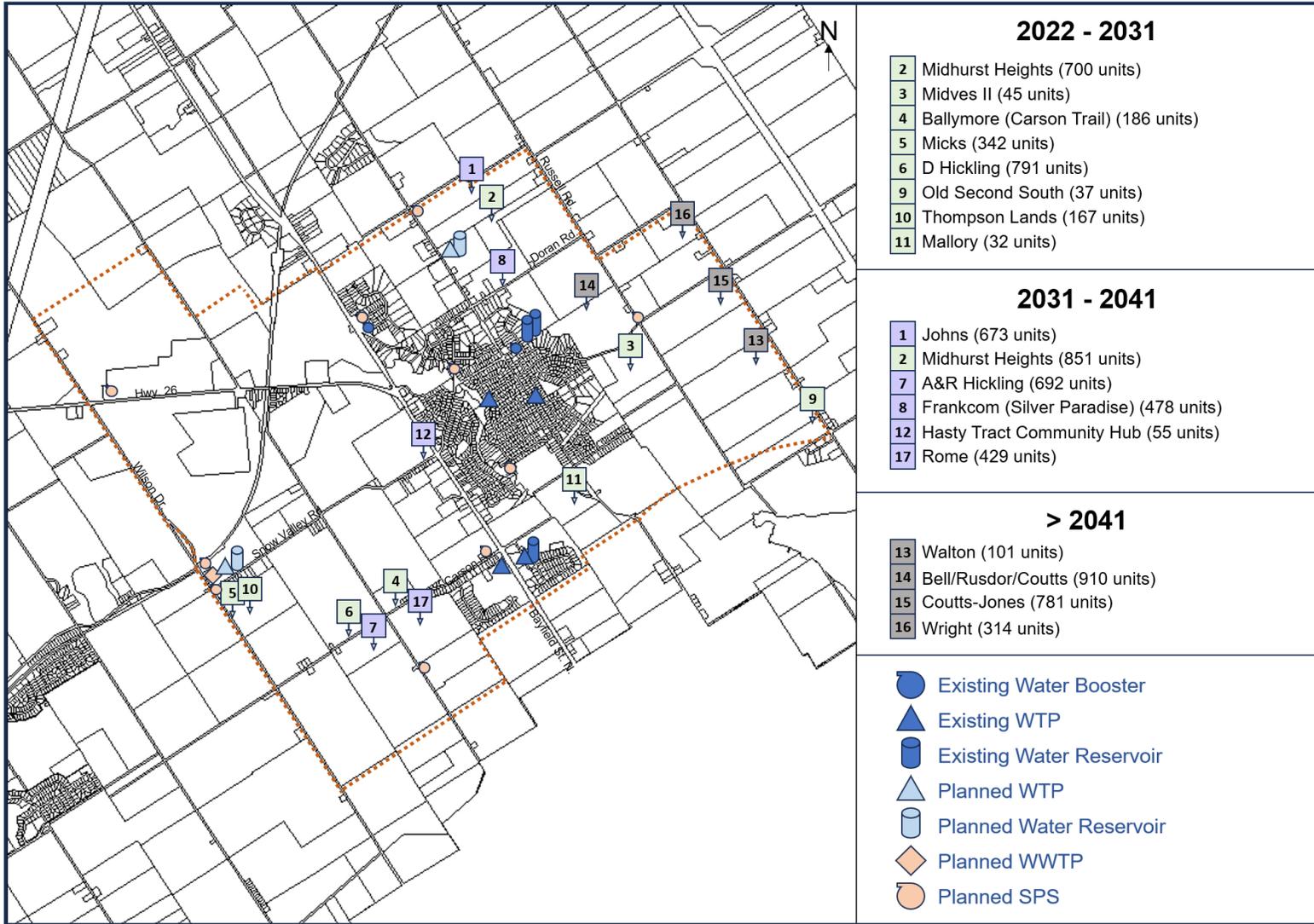
STEP 1: Planned Growth Areas - Elmvale



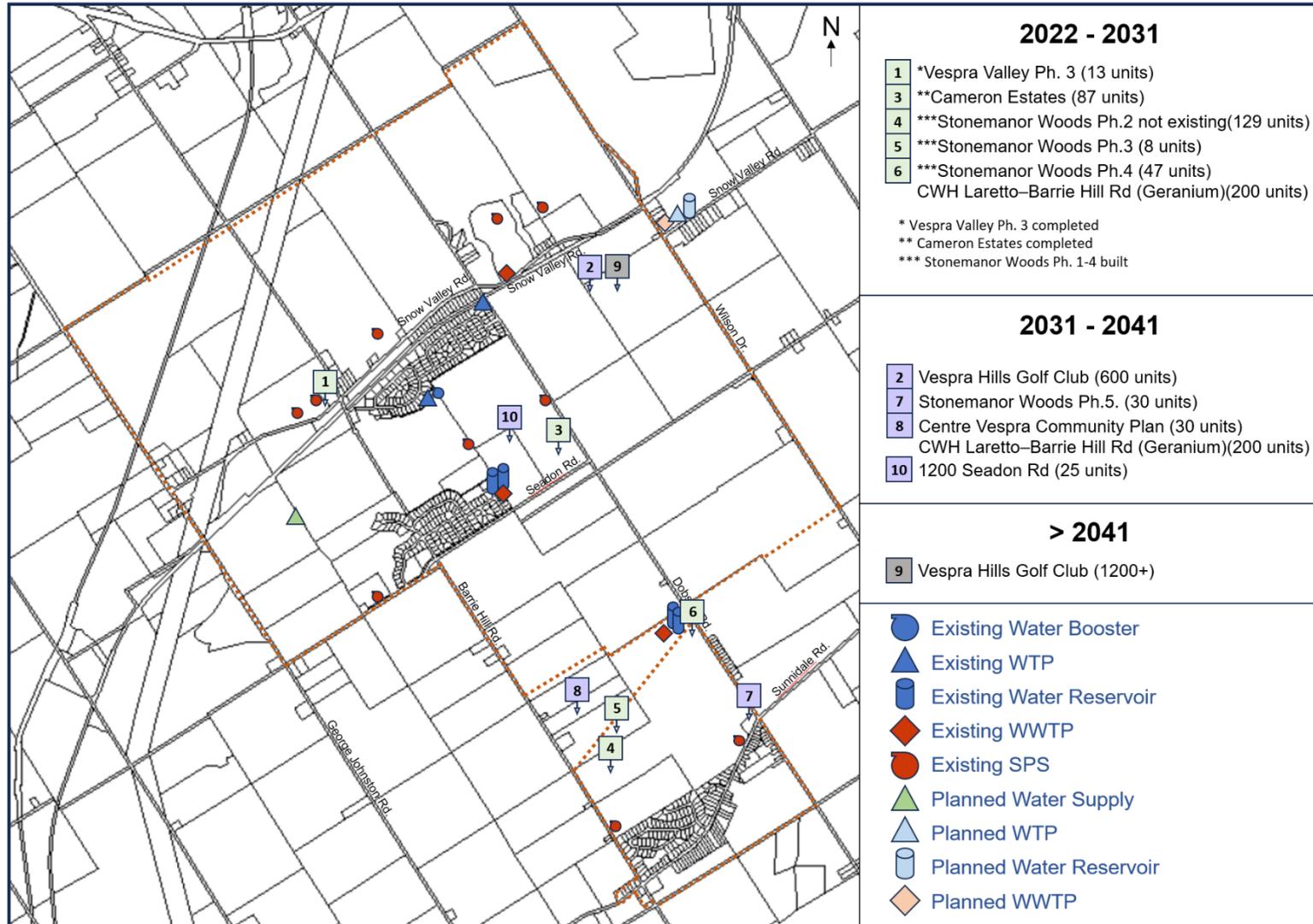
STEP 1: Planned Growth Areas - Hillsdale



STEP 1: Planned Growth Areas - Midhurst



STEP 1: Growth – Snow Valley & Centre Vespra





STEP 2: Water & Wastewater System Evaluation

DEL TREND / MINESING / PHELPSTON / VESPRA DOWNS

Water

- Sufficient supply and storage capacity for existing populations; no plans for growth

Wastewater

- Township has indicated no municipal wastewater servicing will be provided to these settlement areas within the planning period (no wastewater servicing currently)

ANTEN MILLS

Water

- Permit To Take Water (PTTW) capacity may be slightly exceeded by 2041 – if so, apply to Ministry of the Environment, Conservation and Parks (MECP) for an increase in the PTTW (firm well capacity exceeds PTTW capacity)

Wastewater

- Township has indicated no municipal wastewater servicing will be provided within the planning period (no municipal wastewater servicing currently)

STEP 2: Water & Wastewater System Evaluation

ELMVALE

Water

- Sufficient supply & treatment capacity for growth within the planning period
- Storage is currently sufficient; however, capacity could be exceeded by 2041
- William St Booster Pumping Station (BPS) has insufficient firm capacity which, in conjunction with watermain restrictions, limits flows to critical areas both now and in the future

Wastewater

- Treatment capacity may be slightly exceeded by 2041
- Queen St Sewage Pumping Station (SPS), which is a Lift Station, is projected to be at capacity in 2041
- Bishop Park SPS is overcapacity and frequency of surcharging will increase with growth; immediate expansion is required
- Sections of sewer, in particular Amelia St, are overcapacity

STEP 2: Water & Wastewater System Evaluation

HILLSDALE

Planning for water and wastewater infrastructure to accommodate growth has previously been completed (September 2023 Hillsdale Class EA Addendum)

Water

- Sufficient supply & treatment capacity for growth to 2041 as long as planned Phase 1 Water Treatment Plant (WTP) replacement constructed before 2031
- Existing storage (standpipe) is currently sufficient for projected 2041 growth
- Trunk watermain required (on Highway 93 from new WTP to development in the north and from standpipe connecting into to the new development in the north)

Wastewater

- Sufficient treatment capacity for growth as long as planned Phase 1 Wastewater Treatment Plant (WWTP) is constructed by 2031, and planned Phase 2 expansion is constructed by 2041
- Township has indicated no municipal wastewater servicing for the existing population will be provided within the planning period (no wastewater servicing currently)

STEP 2: Water & Wastewater System Evaluation

MIDHURST

Planning for water & wastewater infrastructure for growth in the Doran and (new) Carson Rd areas has previously been completed (March 2020 Midhurst Water, Wastewater and Transportation Environmental Study Report – Phase 3 & 4)

Water

- Sufficient supply, treatment & Booster Pumping Station capacity for the existing Green Pine, Idlewood & Carson Rd areas (including allowance for 15% intensification); however, storage capacity is already exceeded and there are some watermain restrictions
- Doran Rd WTP, storage, and conveyance system (currently under construction) sufficient for growth in the Doran Rd area to 2041
- Planned build-out (new) Carson Rd WTP, storage and conveyance sufficient for the (new) Carson Rd area to 2041

STEP 2: Water & Wastewater System Evaluation

MIDHURST (continued)

Wastewater

- New WWTP and conveyance systems (currently under construction) for the (new) Carson and Doran Rd developments may be slightly overcapacity by 2041; however, planned build-out capacity can accommodate growth beyond 2041
- Township has indicated no municipal wastewater servicing for the existing population will be provided within the planning period (no wastewater servicing currently)

STEP 2: Water & Wastewater System Evaluation

SNOW VALLEY & CENTRE VESPRA

Water

- Snow Valley water system comprises 3 interconnected systems (Snow Valley Lowlands, Snow Valley Highlands and Centre Vespra)
- Supply capacity sufficient for existing but treatment capacity challenged during summer months and will be exceeded before 2031; storage capacity will be exceeded by 2041; conveyance system is currently deficient and needs upgrades

Wastewater

- Snow Valley Lowlands (Royal Oaks) WWTP will exceed its capacity by 2041; existing conveyance system requires an additional SPS for growth
- Snow Valley Highlands WWTP has sufficient rated capacity for growth to 2041 but has issues during peak flows; conveyance capacity is sufficient for growth
- Centre Vespra (Stonemanor) WWTP has sufficient capacity but targeted modifications could improve operational flexibility; conveyance (East SPS) is approaching its design capacity



STEP 3: Direct Water System Recommendations Following System Evaluation

DEL TREND / MINESING / PHELPSTON / VESPRA DOWNS

- Do Nothing

ANTEN MILLS

- Request increase in PTTW capacity prior to 2041

HILLSDALE

- Complete Phase 1 WTP replacement in accordance with September 2023 Hillsdale Class EA Addendum
- Provide a new 300mm trunk watermain on Highway 93 from the new WTP to and through the growth areas and from the existing standpipe connecting into the new Highway 93 trunk watermain

STEP 3: Direct Water System Recommendations Following System Evaluation

MIDHURST

- Complete Doran Rd and (new) Carson Rd WTPs, storage and conveyance work (in phases) in accordance with March 2020 Midhurst Water, Wastewater and Transportation Environmental Study Report – Phase 3 & 4
- Through the inter-system connections, supplement storage and fire demands for the pre-2023 population (including intensification) from the Doran Rd and (new) Carson Rd reservoirs, and potentially Del Trend
- Connect up to ~1600 new units to the existing water supply system
- **OPTIONAL** – Provide a third standpipe adjacent to the existing standpipes to increase system security

STEP 3: Direct Wastewater System Recommendations Following System Evaluation

ANTEN MILLS / DEL TREND / MINESING / PHELPSTON / VESPRA DOWNS

- Do Nothing

ELMVALE

- Expand WWTP capacity prior to 2036; increase capacity (or replace) Bishop Park SPS; providing duplicate forcemain to the WWTP; upsize Amelia St sewer (or provide a parallel sewer)

HILLSDALE

- Complete construction of ~300 m³/d WWTP in accordance with the October 2023 Hillsdale WWTP Design Report, followed by Phase 1 expansion to ~700 m³/d by 2035; provide conveyance system (including SPS and forcemain), all in accordance with the Hillsdale WWTP Design Report

STEP 3: Direct Wastewater System Recommendations Following System Evaluation

MIDHURST

- Complete Doran Rd and (new) Carson Rd WWTP and conveyance work (in phases) in accordance with March 2020 Midhurst Water, Wastewater and Transportation Environmental Study Report – Phase 3 & 4



STEP 4: Water Servicing Alternatives

ELMVALE

Option 1: Provide a third ~1100 m³ standpipe at the existing location; and increase William St BPS capacity and complete targeted watermain upsizing

Option 2: Provide a minimum 1900 m³ elevated water storage tank downstream of the William St BPS; and undertake watermain upgrades

SNOW VALLEY & CENTRE VESPRA

Option 1: Increase supply/treatment capacity to 4695 m³/d (to match PTTW); provide a new ~1000 m³/d water supply/treatment plant (using future wells for Midhurst WTP) at the future well site west of Snow Valley Highlands; upgrade the Snow Valley Highlands BPS; and provide a parallel watermain from the Snow Valley Highlands BPS to the Snow Valley Environmental Center and to the Centre Vespra reservoirs and pumps for additional system security

STEP 4: Water Servicing Alternatives

SNOW VALLEY & CENTRE VESPRA (continued)

Option 2: Increase WTP capacity to ~ 5500 m³/d (by requesting MECP to increase the PTTW); develop the future wells west of Snow Valley Highlands and pump untreated water for treatment at the existing Snow Valley WTPs; upgrade the watermain from the Environmental Centre to the Vespra Hills Golf Club lands; upgrade the Snow Valley Highlands BPS; provide a parallel watermain from the Snow Valley Highlands BPS to the Snow Valley Environmental Center and to the Centre Vespra reservoirs and pumps for additional system security

Option 3: Increase supply/treatment capacity to ~5500 m³/d (by installing a fifth well); upgrade the watermain from the Environmental Centre to the Vespra Hills Golf Club lands; upgrade the Snow Valley Highlands BPS; and provide a parallel watermain from the Snow Valley Highlands BPS to the Snow Valley Environmental Center and to the Centre Vespra reservoirs and pumps for additional system security

Option 4: Increase supply/treatment capacity to 4695 m³/d (to match PTTW); supplement supply/treatment with ~1000 m³/d from (new) Carson Rd WTP in Midhurst; upgrade the Snow Valley Highlands BPS; and provide a parallel watermain from the Snow Valley Highlands BPS to the Snow Valley Environmental Center and to the Centre Vespra reservoirs and pumps for additional system security

- **OPTIONAL FOR ALL FOUR ALTERNATIVES** - Provide additional ~600 m³ storage to increase system security

STEP 4: Wastewater Servicing Alternatives

SNOW VALLEY & CENTRE VESPRA

Option 1: Provide a dedicated WWTP discharging to subsurface tile fields for the Vespra Hills Golf Club development; and provide a dedicated wastewater collection system for the Vespra Hills Golf Club development.

Option 2: Convey wastewater from the Vespra Hills Golf Club development to the Midhurst WWTP for treatment; and provide a dedicated wastewater collection system for the Vespra Hills Golf Club development.



STEP 5: Evaluation Criteria

The criteria for evaluation of alternative solutions are set out in the Class EA document.

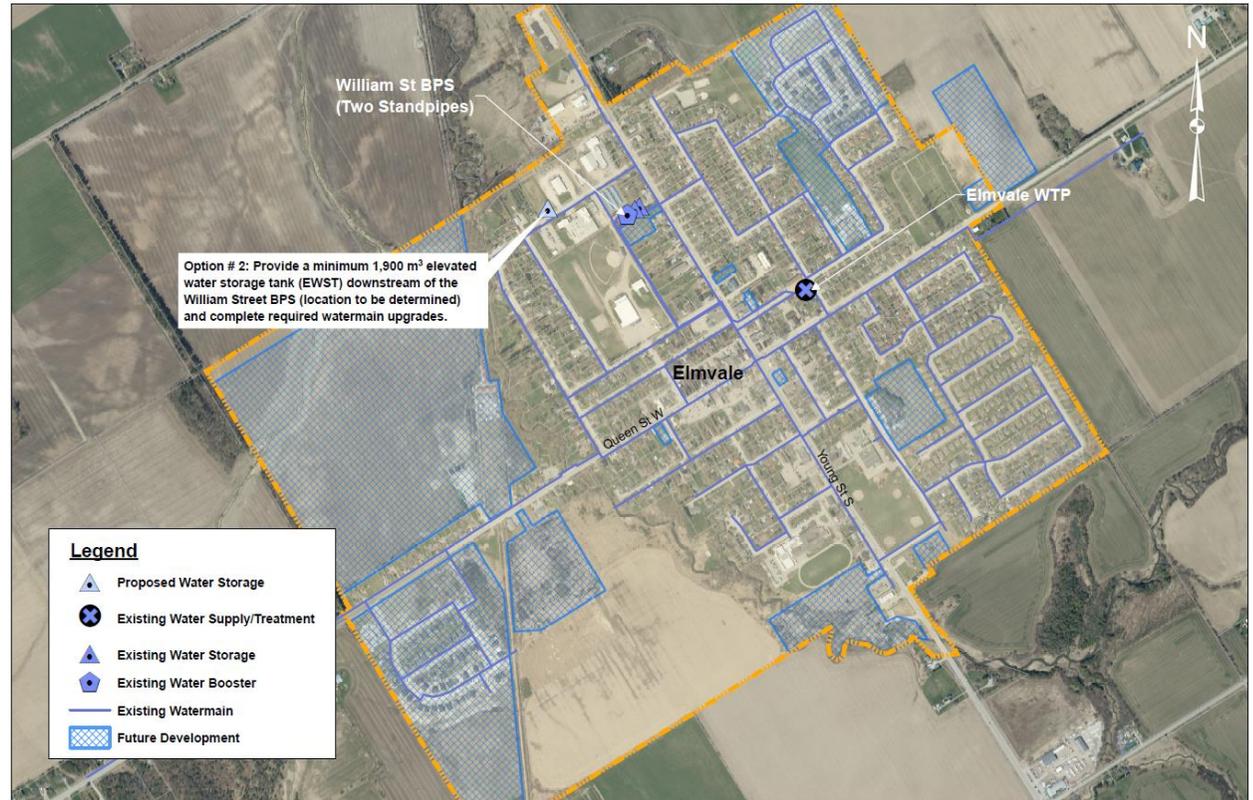
Criteria weighting is provided in the following table:

Criteria	Criteria Total Weighting (%)
Land Use Planning (municipal, regional, provincial land use objectives)	15
Natural Environment (impact on flora, fauna, geotechnical, soils, wildlife)	15
Social Environment (impact on air quality, noise, vibration, quality of life, community accessibility)	20
Cultural & Archaeological Environment (assessment of archaeological resources, areas of archaeological potential, built heritage resources & cultural landscapes)	10
Technical & Operational (performance, technical suitability, phasing, construction & operating considerations)	20
Economic (capital cost and operating costs)	20

STEP 5: Recommended Water System Alternatives

ELMVALE

Option 2: Provide a minimum 1900 m³ elevated water storage tank downstream of the William Street BPS; and complete watermain upgrades

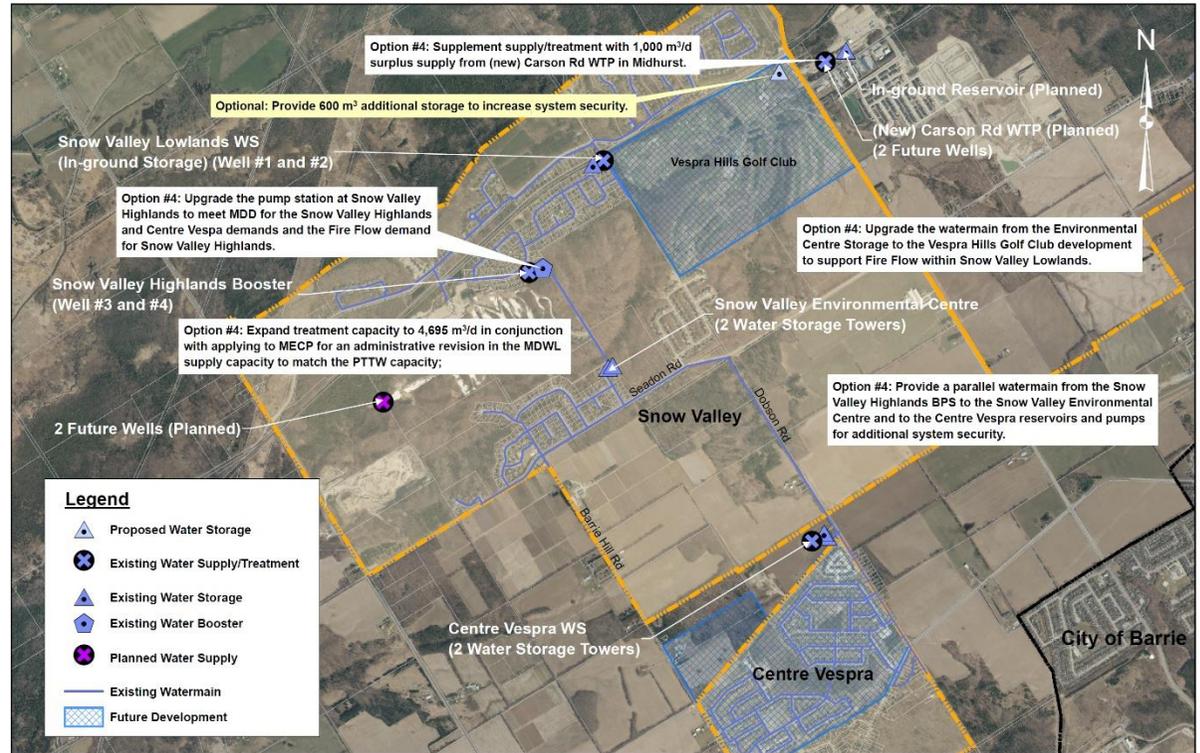


STEP 5: Recommended Water System Alternatives

SNOW VALLEY AND CENTRE VESPRA

Option 4: Increase supply/treatment capacity to 4695 m³/d (to match PTTW); supplement supply/treatment with ~1000 m³/d from (new) Carson Rd WTP in Midhurst; upgrade the Snow Valley Highlands BPS; and provide a parallel watermain from the Snow Valley Highlands BPS to the Snow Valley Environmental Center and to the Centre Vespra reservoirs and pumps for additional system security

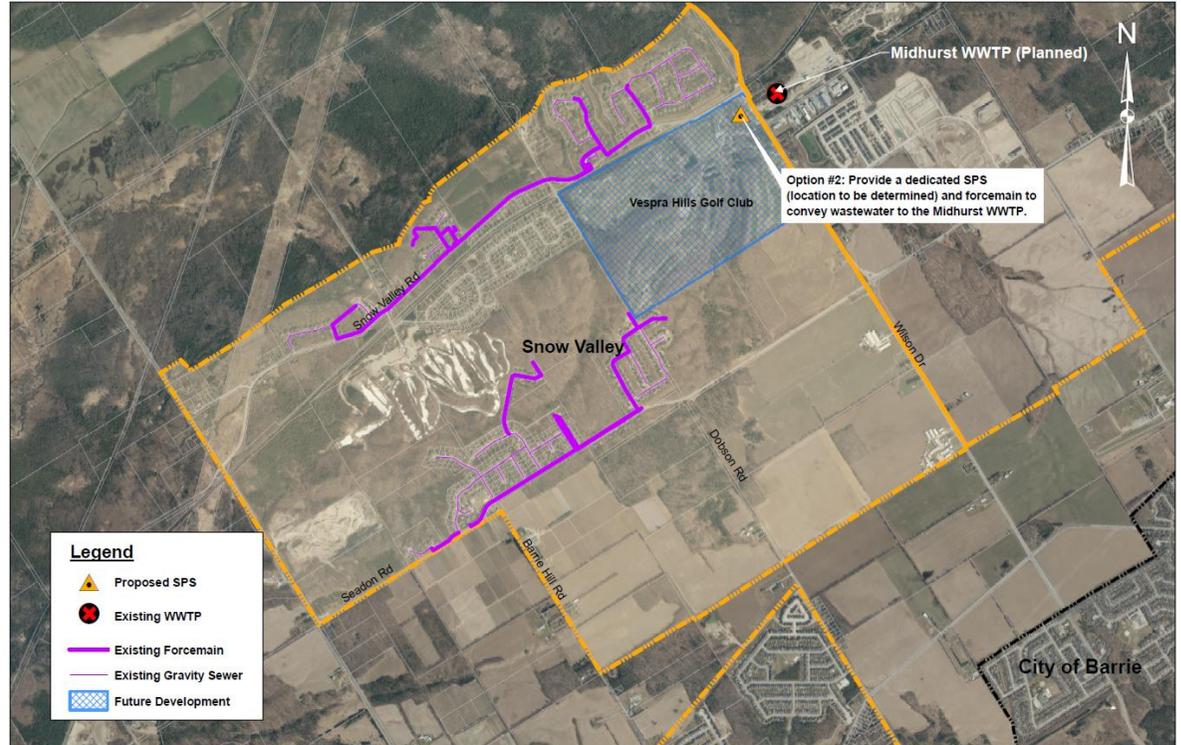
OPTIONAL – Provide additional ~600 m³ storage, to increase system security



STEP 5: Recommended Wastewater System Alternatives

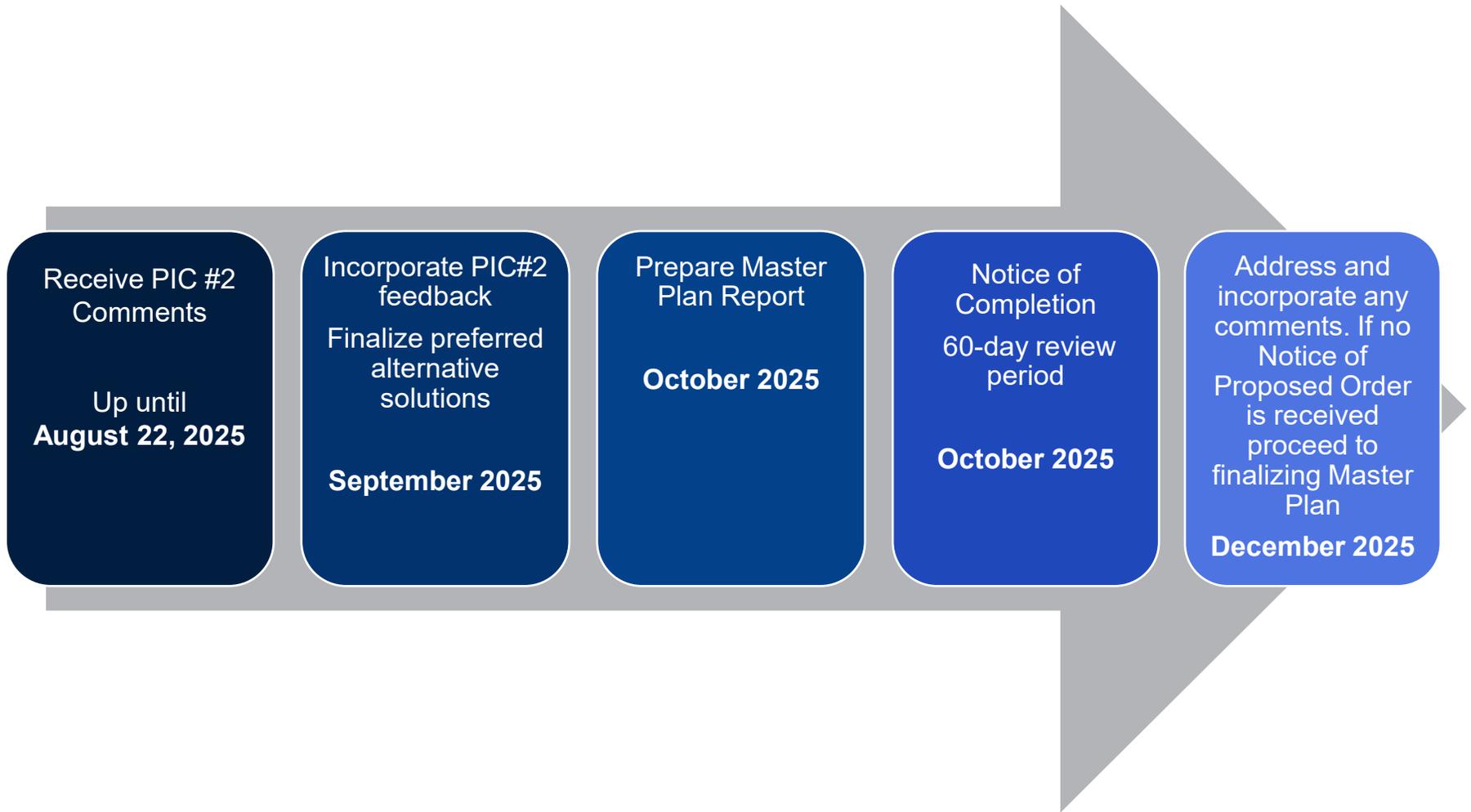
SNOW VALLEY LOWLANDS

Option 2: Convey wastewater from Vespra Hills Golf Club lands to Midhurst WWTP and provide a dedicated wastewater collection system for the Vespra Hills Golf Club development





STEP 6: Receiving Feedback & Next Steps



Thank You!

Your Comments are Important

Input is encouraged throughout the Master Plan process and will be given consideration as the final report is prepared.

Submit your feedback to today's PIC by filling out a Comment Sheet and placing it in the comment box or return the Sheet to either of the following members of the Project Team:

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Input and feedback on Phase 2 PIC will be received until **August 22, 2025.**