

2025 Annual Project Report

Project Forest Wagner Natural Area



Project
Forest

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Land Acknowledgement

| Traditional Territories



Elder Rufus Pretty Young Man of Siksika First Nation

Project Forest acknowledges that our work is conducted on both Treaty and non-Treaty lands. These lands are the traditional territories of First Nations and Indigenous Peoples. We recognize that our work is intertwined with the deep and diverse histories of Indigenous Peoples. We are grateful for the opportunity to work in these territories and are committed to the recognition and respect of those who live or have lived, travelled, and gathered on these lands for time immemorial.

About Us

| Our Mission, Values and Purpose

Rewilding Canada, one forest at a time.

Project Forest is a non-profit organization working in partnership with conservation groups, Indigenous communities and Canadian businesses to make a positive environmental and social impact in our communities through planting forests. The forests we plant clean air and water, increase biodiversity and contribute to the overall health and well-being of our community.



Our work is rooted in our values.

Responsibility

We believe it is our responsibility to use our skills, knowledge, and experience to bring about positive change in the world.

Reciprocity

We recognize that we have benefited from the earth's resources and are committed to giving back through careful and thoughtful solutions.

Humility

We are grateful for the opportunity to learn from nature, to contribute to improving our environment, and to make a positive impact in people's lives.

Transparency

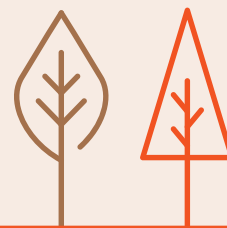
We document, monitor, and share our processes and findings with partners and the public—every step of the way, on every project.

Community

We create spaces where people can connect with nature, and each other. We respect every community we are invited into, and work together to make positive change.

Our Purpose

Inspiring interconnectedness
and hope rooted in
reciprocity and community



Overview

| United Nations Sustainability Development Goals

Goals to Transform Our World

Planting new forests is critically important in addressing the challenges of our time, particularly when aligned with the United Nations Sustainable Development Goals (UN SDGs). As communities grapple with climate change and biodiversity loss, forests emerge as pivotable solutions that intersect with multiple UN SDGs including combating climate change and preserving biodiversity, fostering economic development, ensuring food security, promoting clean water access and advancing social equity. Aligning the impacts of our forests with the UN SDGs is essential for communicating to stakeholders our dedication to sustainability, transparency and the measure of progress over time.

In our 2025 Annual Report, we have linked the outcomes of our rewilding projects with relevant UN SDG targets and indicators, as well as aligned them with corresponding Environment, Social and Governance goals. This comprehensive approach ensures that our partners have readily accessible information for corporate reporting, simplifying the process and enhancing transparency.



Purpose & Positive Impact

The following UN SDGs are impacted by Project Forest Wagner Natural Area Project:

Purpose



Positive Impact



Overview

| Forest Facts

About the forest you funded.

NAME

Wagner Natural Area

DATE PLANTED

October 2025

TOTAL SEEDLINGS PLANTED

39,710

TOTAL CO₂ REMOVED FROM THE AIR*

22,157 metric tonnes

SPECIES PLANTED

- White Spruce (7,740)
- Balsam Poplar (15,300)
- White Birch (3,600)
- Bebb's Willow (2,805)
- River Alder (790)
- Wild Rose (780)
- Red Osier Dogwood (4,320)
- Pussy Willow (4,375)

LOCATION

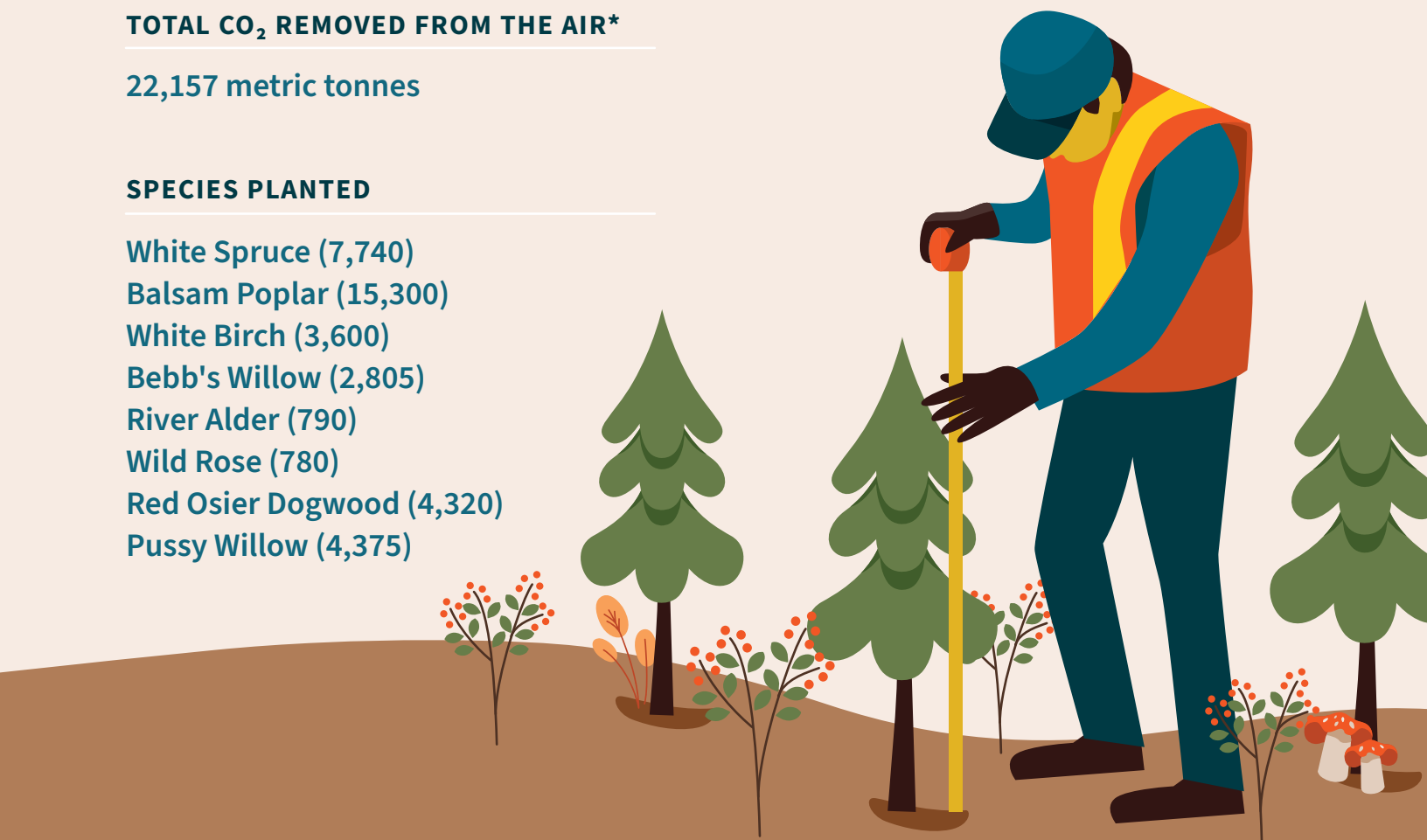
Acheson, Alberta
Treaty 6 Territory
[53°34'07.3"N 113°48'50.9"W](#)

SIZE

20 hectares

TOTAL SPECIES PLANTED

8



* Metric tonnes of carbon dioxide (CO₂) projected to be removed from the air over 150 years.

Purpose

| UN SDG 15 - Life on Land

Goal: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss.

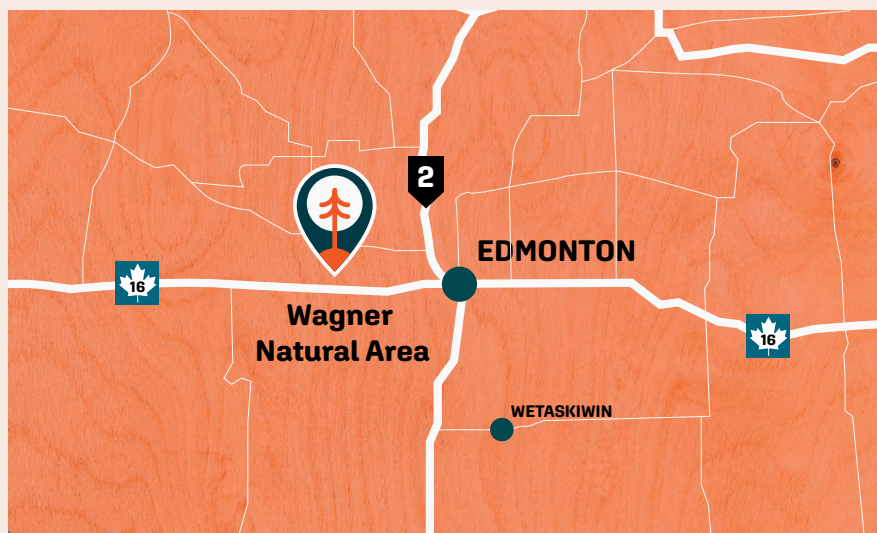
Matching ESG Goals:

- Providing clean air and water.
- Improving biodiversity.
- Re-establishing traditional landscapes.



Project Forest is making a positive impact through restoring degraded land to increase forest cover, enhance biodiversity, and promote the sustainable use of terrestrial ecosystems.

Indicator 15.1.1: Forest area as a proportion of total land area.



Project Forest's Trail Camera Project - Wagner Natural Area

39,710

Total Trees and Shrubs
Planted in 2025

The Project Forest Wagner Natural Area (WNA) aims to restore a highly sensitive and ecologically significant landscape. In consultation with the WNA Board of Directors, fire behaviour was a central consideration in developing the planting prescription. Deciduous trees and shrubs, which are listed in [FireSmart Canada's Guide to Landscaping](#) as lower risk species, make up 81.5% of the total stem count. This strategic selection of

Purpose

| UN SDG 15 - Life on Land



species reduces the overall flammability of the developing stand while still enabling the project to re-establish natural forest cover, support the area's rare wetland ecosystems, and improve habitat for local wildlife (FireSmart Canada, 2021).

Indicator 15.1.2: Proportion of important sites for terrestrial and freshwater biodiversity that are covered by protected areas, by ecosystem type.

The WNA Board of Directors and Project Forest partnered to restore the area back to its native state, expanding habitat continuity within this already significant ecological area. Prior to this, approximately 21 hectares of this 251-hectare area were cleared for agriculture and left in rotation for several years.



Project Forest's Wagner Natural Area - Little Osborne Planting Site

Located west of Edmonton within a provincially protected boreal land reserve, the Wagner Natural Area is a nationally significant ecological site renowned for its rare groundwater-fed fens and exceptional orchid diversity. Sixteen of Alberta's 24 native orchid species can be found here, drawing enthusiasts from across the province.

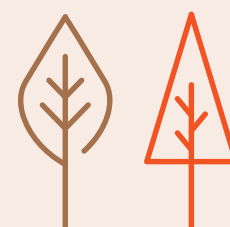
Eight native trees and shrub species were planted to intentionally mirror the site's natural forest composition as guided by historical soil and vegetation inventories (Vujnovic et al., 2000). Seedlings were planted at variable densities and spacing to emulate natural woody stem distribution rather than uniform grid patterns, supporting authentic ecological succession.

21

hectares of land planted

8

native species planted



Purpose

| UN SDG 15 - Life on Land



While the area transitions from field to forest, the site is expected to support a more robust variety of wildlife and additional habitat structures over time. Existing habitats include calcareous fens, marl ponds, willow swamps, creek corridors, and communities of carnivorous plants, amphibians, insects, white-tailed deer, and moose (WNA, 2026).

To reduce competition during early establishment, a cover crop consisting of native grass seed mix will be deployed after planting has occurred, occupying ecological niche space that would otherwise be available to invasive agricultural weeds and non-desirable vegetation. This will take place with assistance of a drone in the spring of 2026. Annual monitoring assessments will track the site's progress toward maturity, with a final assessment anticipated in Fall 2031.



A Project Forest seedling

16

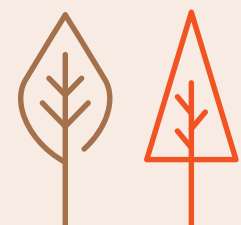
of Alberta's 24 native orchid species can be found here

Aligned with Target

15.8: Prevent invasive alien species from establishing in terrestrial ecosystem (Haeussler et al., 2002)

Indicator 15.2.1: Progress towards sustainable forest management.

Project Forest's Rewilding Plans and Monitoring Protocols ensure forests maintain their environmental, social, cultural, and economic values over time, through decisions grounded in scientific research, rigorous planning, and community consultation (NRCAN, 2024). This multi-value framework guides every stage of Project Forest's work, integrating ecological monitoring, Indigenous community involvement, and adaptive management to ensure that each rewilding site progresses toward a healthy, self-sustaining forest ecosystem.



Purpose

| UN SDG 15 - Life on Land



Scientific verification tools and standardized metrics are used to provide measurable, evidence-based documentation of each site's trajectory toward sustainable forest management. These commitments ensure that the forests established today will continue to benefit surrounding communities and the broader environment for generations to come.

Rewilding Plans

Prior to planting, Project Forest develops a site-specific Rewilding Plan to identify challenges, optimise conditions for seedling survival, and ensure the approach is tailored to both the ecology and priorities of each community.

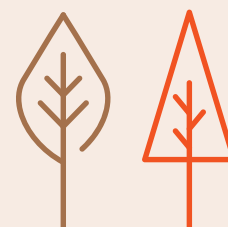
A thorough site visit assessed soil conditions, competing vegetation, moisture regimes, and proximity to disturbance agents. From these findings, mitigation strategies are developed for any site-limiting factors, and a recommended species list is produced. This was then refined in consultation with the WNA Board of Directors to finalize the species composition and quantities to be planted. Each completed Rewilding Plan includes detailed planting maps, site preparation prescriptions, vegetation management strategies, and monitoring plans designed to give every forest the strongest possible foundation for long-term success.

Disturbance agents are biotic or abiotic factors (including insects, disease, wildfire, drought, and human activity) that interrupt forest development, alter stand structure, and influence long-term ecosystem trajectories (Haeussler et al., 2002)

Monitoring Protocols

The Project Forest Monitoring Plan requires that 2.44 plots per hectare are surveyed, with each plot location permanently marked to ensure consistency across assessments. The survey data collected is used to prescribe future monitoring and maintenance events.

A 25% fill plant is budgeted for each project, initiated only when survey data identifies an NSR area meeting the required intervention threshold within the first six years of establishment. These monitoring protocols are critical in ensuring that corrective actions are timely and evidence-based, and each seedling planted is on a trajectory to becoming a mature, self-sustaining forest. The first monitoring survey for Wagner Natural Area will be conducted in Fall 2026.



Purpose

| UN SDG 15 - Life on Land

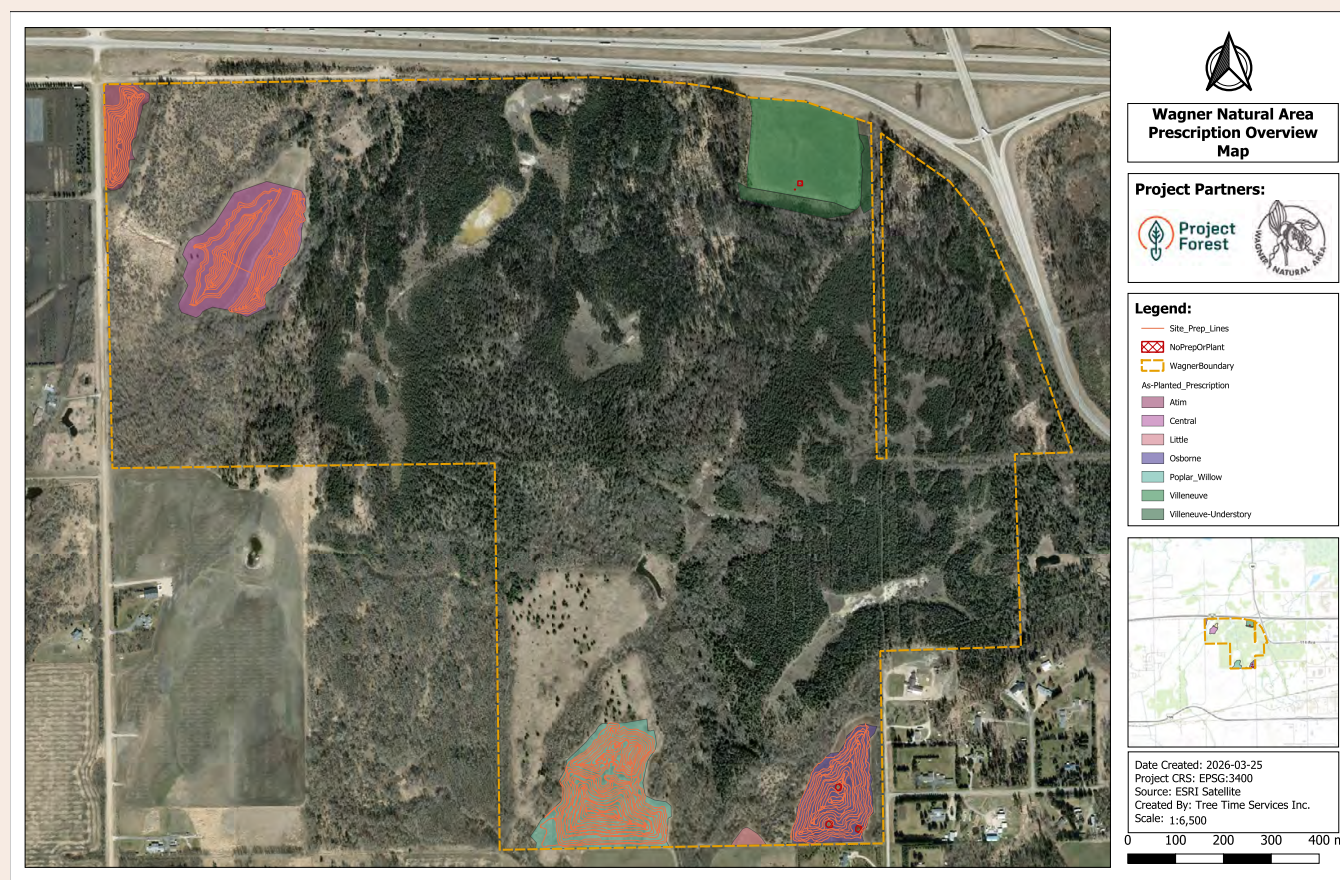


Target 15.3.1: Proportion of land that is degraded over total land area.

Haeussler et al. (2002) define ecosystem degradation as an event or process that reduces the productivity or value of an ecosystem, or that delays or prevents recovery from disturbance through normal successional processes.

Project Forest systematically targets these very landscapes which have been damaged or altered by human land-use change. Each project begins the multi-decade process of soil transition from compacted agricultural profiles towards complex forest soil ecosystems, rich in organic matter, biological activity and structural resilience (Young & Crawford, 2004).

Figure 1: Map of Wagner Natural Area's Planting Prescription



Purpose

| UN SDG 15 - Life on Land

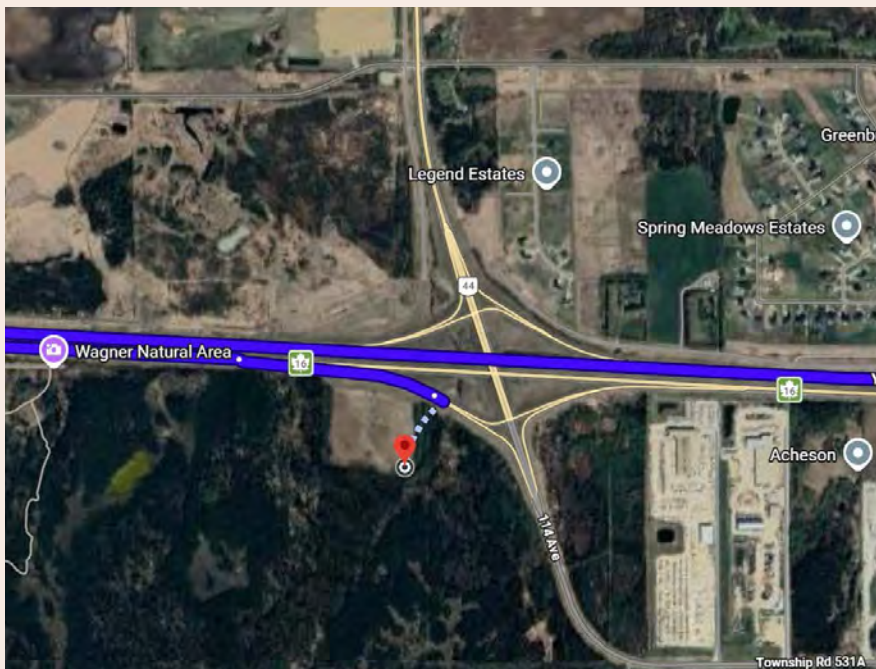


Target 15.5: Take action to reduce degradation of natural habitats, halt biodiversity loss and protect threatened species.

Project Forest prescribes a distinct, site-specific mix of trees and shrubs across all of our projects. By assessing each species for ecological fit, climate resilience, and functional role within the emerging ecosystem, a structural and compositional diversity is developed. The result is a layered landscape of varied canopy heights, understory densities, and species compositions that builds genuine structural complexity. In addition, functional, adaptable habitats are created for wildlife that will continue to self-sustain as conditions change over time.

Project Forest's Trail Camera Project

Project Forest's trail camera initiative is a long-term wildlife monitoring program designed to track wildlife activity over time. The primary goal of the Trail Camera Project is to observe and track the return of wildlife and gradual regeneration of functional ecosystems across project sites. Footage captured by motion-activated trail cameras is reviewed annually to assess how rewilding efforts are contributing to improving ecological function.



Location of Wagner Natural Area's Trail Camera

Purpose

| UN SDG 15 - Life on Land



"Embarking on a Rewilding Journey with Project Forest has been both transformative and challenging for the Wagner Natural Area Society. While our agriculturally disturbed landscapes begin to transform to a dominant forest landscape, our Society has already transformed by gaining a new focus. And the challenges help us acquire skills and learn how to share this budding purpose with a wider community."

—**Dave Ealey**, President of Wagner Natural Area Society

Trail cameras were installed at Wagner Natural Area in Fall 2025 as part of Project Forest's long-term biodiversity monitoring program. In their first season of operation, the cameras have already captured consistent moose, deer and coyote activity across the site, an encouraging indicator that WNA is already functioning as part of a broader wildlife corridor in the region.

This baseline data will establish a foundation for year-over-year comparisons that will, in time, help tell a compelling and evidence-based story of ecological recovery. Project Forest documents which species are appearing at restored sites, how frequently, and whether that changes over time as forests mature. By generating ongoing, site-level evidence that rewilded habitats are attracting and sustaining wildlife, Project Forest is working to actively halt and reverse local biodiversity loss.



Moose captured at the Wagner Natural Area in 2025

Purpose

| UN SDG 13 - Climate Action

Goal: Take urgent action to combat climate change and its impacts.

Matching ESG Goals:

- Reducing GHG emissions.
- Experiencing nature in an educational and interactive way.



The forests we plant can have a significant impact on mitigating climate change.

Indicator 13.2.2: Total greenhouse gas emissions per year.

Forests act as carbon sinks, absorbing carbon dioxide (CO₂) from the atmosphere through photosynthesis and storing it in their biomass and soil. By planting forests, we increase the amount of CO₂ sequestered, thereby reducing the concentration of greenhouse gases (GHGs) in the atmosphere. This helps mitigate climate change by reducing the amount of CO₂ that contributes to global warming (NRCAN, 2024).

The amount of CO₂ projected to be removed from the atmosphere over the lifetime of the Wagner Natural Area is 22,157 metric tonnes. The estimated lifetime of a forest is 150 years.

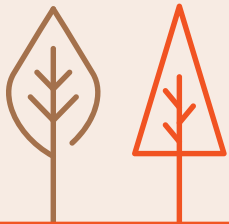
Project Forest uses the [Carbon Budget Model of the Canadian Forest Sector \(CBM-CFS3\)](#) modeling framework developed by Natural Resources Canada to assess the impacts of our forests on carbon. This is the national standard for reporting on forest carbon.

Target 13.3: Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning.

22,157

Metric tonnes of CO₂ projected to be removed over the project's lifetime

Carbon Budget Model of the Canadian Forest Sector is an aspatial, stand and landscape-level modelling framework used for international reporting of the forest carbon balance of Canada's managed forest (NRCAN, 2024)



Purpose

| UN SDG 13 - Climate Action



Project Forest provides our partners and the wider community with the opportunity to participate in educational activities through our Community and Corporate Outreach activities. Experiencing nature in an educational and interactive way enriches knowledge, fosters a connection with the environment, promotes well-being, and encourages responsible environmental behaviour.

These are some of the engagement activities Project Forest conducted in 2025:

Indigenous Engagement

- Opportunity to learn from Indigenous Knowledge Keepers and Elders in various capacities from presentations, interviews and talks, to one-on-one exchanges at our Corporate Planting Events and Annual Partner Celebration.

Media Outreach (podcasts, radio, tv and webinars)

- Overview of the rewilding process for general audiences.
- Discussions of more in-depth topics such as working with Indigenous communities, operating a non-profit, and sustainable forest practices.

Community Engagement

- Seed Kits are built by local high school students to be given away throughout the year at various conferences and events.
- An Annual Seedling Giveaway at Siksika Nation raises awareness for projects, share stories behind them, and place stewardship of the land directly into the hands of community members.

Annual Partner Celebration

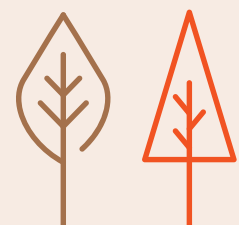
- Presentations featuring a wide range of speakers from the Project Forest community.
- Focus on Indigenous reconciliation through rewilding, sustainable business practices, and community investment.

Tree Planting Events

- Educational talks around seedling physiology, forest succession, tree planting technique, tree planting survey methodology, seed collection, plant identification, and traditional plant uses.
- Corporate Events: In-person, hands-on volunteering opportunities for partners.
- Community Events: Ground-breaking events are open to community members and partners to come together, engage with the project and share stories over shared food.

Lunch and Learns, Keynote Presentations and Panel Discussions

- Overview of the rewilding process, our projects, and stories of community impact.
- Stakeholder project impacts and opportunity to engage with the Project Forest team.



Purpose

| UN SDG 11 - Sustainable Cities and Communities

Goal: Make cities and human settlements inclusive, safe, resilient and sustainable.

Matching ESG Goals:

- Generating social & economic growth.
- Advancing health & wellbeing.
- Developing deeply ingrained Indigenous relationships.

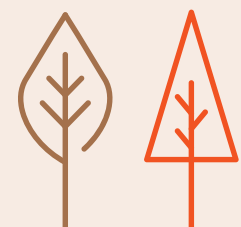


Restoring degraded land can have a positive impact on communities through creating safe, resilient, and sustainable natural spaces.

Indicator 11.a.1: Number of countries that have national urban policies or regional development plans that (a) respond to population dynamics; (b) ensure balanced territorial development; and (c) increase local fiscal space.

The forests we plant provide areas for recreation and traditional land use within the community. Our funding partners finance the rewilding costs including seedlings, planting, and labour, allowing communities to allocate more funds to services and infrastructure. The WNA Board of Directors were actively involved in the design process of this project, collaboratively determining next steps of the community-led stewardship of the program.

The Project Forest Wagner Natural Area serves as an accessible green space for communities in one of Canada's most rapidly urbanizing corridors (Statistics Canada, 2022). The increased forest cover within this protected area, surrounded by agricultural fields and industrial development, will enhance landscape resilience, reduce runoff risk and provide ecological buffering between human activity and the sensitive wetland and fen ecosystems at the heart of the WNA.



Purpose

| UN SDG 11 - Sustainable Cities and Communities



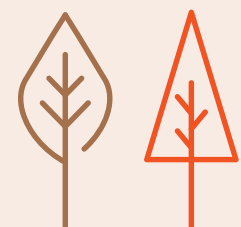
Project Forest's Wagner Natural Area - Poplar Willow Planting Site

Local fiscal space is defined as the sum of financial resources available to a government for the improved delivery of basic services without any prejudice to the sustainability of a government's financial position (Heller, 2005)

Rewilding projects require labour to complete, including but not limited to:

- Mechanical site preparation
- Seed collection
- Vegetation management
- Survival assessment survey and data collection
- Cover crop deployment
- Construction work

By investing in rewilding, Project Forest funding partners are creating employment opportunities. The income earned by individuals through these jobs can have a positive economic impact and expand local fiscal space.



Positive Impact

| UN SDG 3 - Good Health and Well-Being

Goal: Ensure healthy lives and promote well-being for all, at all ages.



Planting a forest can have several positive impacts on ensuring healthy lives and promoting well-being for all ages.

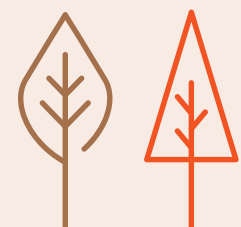
Target 3.9: By 2030, substantially reduce the number of deaths and illnesses from hazardous chemicals and air, water and soil pollution and contamination.

Accessible green spaces are increasingly recognized as essential health infrastructure, delivering measurable benefits to both humans, wildlife, and the ecosystems they depend on. As urban expansion continues to fragment natural landscapes, forests serve as vital refuges for biodiversity while simultaneously protecting communities from the pollution and environmental hazards identified under UN SDG 3.9.

By rewilding Canada's forests, Project Forest creates meaningful gathering spaces that foster social connection, community cohesion, and belonging. Beyond these social benefits, exposure to green space is strongly linked to improved mental and physical health, regardless of whether people actively seek it out.

A systematic review and meta-analysis found that proximity to green space is associated with reduced cardiovascular disease, lower cortisol levels, and decreased rates of depression and anxiety (Twohig-Bennett & Jones, 2018). Because these benefits accrue simply through everyday proximity, communities living near restored forest sites stand to gain real improvements to their wellbeing, whether or not they consciously engage with the space at all.

Forest bathing, or shinrin-yoku, is the practice of deliberately and mindfully immersing oneself in a forested environment through slow, sensory engagement. Originating in Japan in the 1980s, it has demonstrated measurable reductions in anxiety, depression, anger, and fatigue, as well as improvements in mood and feelings of vitality (Li, 2010)



Positive Impact

| UN SDG 3 - Good Health and Well-Being



The broad spectrum of health and well-being benefits that forests generate across these interconnected dimensions include:

Air Quality and Pollution Reduction

- Trees absorb harmful airborne pollutants, reducing community exposure to toxic gases.
- Leaf surfaces intercept and capture fine particulate matter from urban air.
- Canopy cover reduces ground-level ozone formation during hot weather.
- Green corridors dilute traffic-related nitrogen dioxide concentrations near roadways.

Mental and Physical Well-Being

- Regular green space access lowers cortisol and reduces chronic stress.
- Proximity to urban nature is linked to reduced anxiety and depression.
- Walkable green corridors increase daily physical activity among residents.
- Green schoolyards improve children's attention, mood, and emotional regulation.
- Communal green spaces reduce social isolation and strengthen community cohesion.

Biodiversity and Wildlife Health

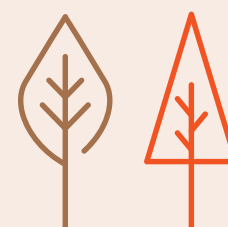
- Plant diversity supports pollinator populations critical to local food systems.
- Connected green corridors allow wildlife movement between fragmented habitat patches.
- Healthy urban biodiversity increases ecosystem resilience against pest and disease outbreaks.
- Diverse understory plantings support soil microbiome health and nutrient cycling.
- Urban forests provide nesting, foraging, and refuge habitat, buffering species against climate-driven displacement.

Temperature Regulation and Heat-Related Health

- Urban tree canopy can reduce surface temperatures by up to 8 degrees Celsius.
- Shade and transpiration cooling lower heat-related illness risk significantly.
- Green spaces reduce urban heat island intensity, protecting vulnerable populations.
- Shelterbelts buffer wind while moderating extreme temperature fluctuations seasonally.
- Cooler microclimates reduce cardiovascular and respiratory strain during heat events.

Pollution Buffering and Environmental Health

- Forest edges buffer noise pollution, reducing stress and sleep disruption.
- Vegetation filters stormwater runoff, reducing pollutant loads in waterways.
- Tree roots stabilize soils, preventing dust and sediment mobilization.
- Dense plantings reduce windblown agricultural chemicals reaching residential areas.



Positive Impact

| UN SDG 6 - Clean Water and Sanitation



Goal: Ensure availability and sustainable management of water and sanitation for all.

The forests we plant can have positive impacts on ensuring the availability and sustainable management of water.

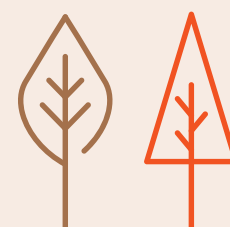
Indicator 6.3.2: Proportion of bodies of water with good ambient water quality.

Forests filter, purify and improve the quality of our water. Tree roots help retain soil and reduce the transport of pollutants into water bodies. Planting forests in watershed areas can contribute to protecting water quality, ensuring access to clean water for communities (NRCAN, 2025).

The Project Forest Wagner Natural Area is defined hydrologically by its calcareous fens, which flow towards Big Lake or accumulate in marl ponds. Fens are groundwater-fed peatlands where mineral-rich, calcium and magnesium-saturated water discharges continuously from underlying aquifers through a complex peat matrix. Dense root and moss layers filter and retain phosphorus, heavy metals, and fine sediments (Mitsch & Gosselink, 2007) acting as natural biogeochemical buffers between upland agricultural land and downstream streams and rivers (Thormann & Bayley, 1997). Rewilding efforts directly reduce surface runoff that could otherwise carry agricultural pollutants into these sensitive water bodies.

Marl ponds are shallow freshwater bodies characterized by soft, pale sediment composed primarily of calcium carbonate, formed through the activity of aquatic plants and organisms living in hard, calcium-rich water (University of Waterloo, 2024).

Calcareous fens are groundwater-fed peatlands where mineral-rich, calcium and magnesium-saturated water discharges continuously from underlying aquifers. Unlike bogs, which rely on precipitation, fens are hydrologically connected to regional groundwater systems, making them sensitive indicators of watershed-scale groundwater integrity (Glaser et al., 1990; Winter, 1999).



Positive Impact

| UN SDG 6 - Clean Water and Sanitation



Research by the University of Alberta has documented WNA as a functioning calcareous fen in a heavily agricultural and urbanizing landscape, making it scientifically exceptional as a baseline against which degraded fens elsewhere in the region can be compared (Gignac & Vitt, 1994; Bayley & Mewhort, 2004).

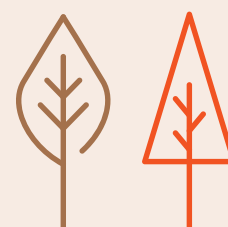
While planting forests alone cannot solve all our water-related challenges, they do offer nature-based solutions to help achieve sustainable management of our water resources.

Target 6.6: By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes.

Forests act as natural sponges and filters, absorbing rainfall and gradually releasing it while purifying it as it passes through the ecosystem. By restoring forests, we can enhance water quality, reduce erosion, and promote water retention in the landscape.



Wagner Natural Area landscape



Positive Impact

| UN SDG 2 - Zero Hunger

Goal: End hunger, achieve food security and improved nutrition and promote sustainable agriculture.



Planting a forest can have indirect but important impacts on addressing hunger, achieving food security, improving nutrition, and promoting sustainable agriculture.

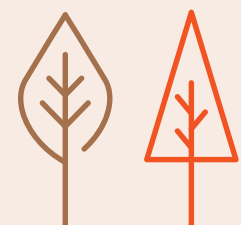
Target 2.1: By 2030, end hunger and ensure access by all people, in particular the poor and people in vulnerable situations, including infants, to safe, nutritious and sufficient food all year round.

Integrating a diverse range of edible and medicinal plants into restoration projects supports local food systems and creates educational opportunities around sustainable harvesting. These efforts provide immediate and long-term benefits, offering communities access to culturally significant foods and medicines while fostering stewardship skills that connect people to the land.



Balsam poplar trees

Populin, found in balsam poplar, is a naturally occurring compound that metabolizes in the body into salicylic acid and delivers anti-inflammatory, analgesic, and antispasmodic effects, supporting its traditional use in Cree and Ojibwe medicine for pain, fever, and respiratory complaints. (Marles et al., 2000; Moerman, 1998)



Positive Impact

| UN SDG 2 - Zero Hunger



In 2025, Project Forest planted 39,710 food, medicinal, and culturally significant plants across the project site. A total of 8 different species were planted.

White Spruce (7,740)

- Spruce needles, rich in vitamin C, were traditionally used to treat scurvy and respiratory ailments like coughs, colds, and flu.
- Resin has antiseptic, healing, and anti-inflammatory properties for wounds, burns, and irritations or incorporated into ointments.
- Inner bark can be boiled and used to treat digestive disorders.

White Birch (3,600)

- Bark contains betulin, which has anti-inflammatory and pain-relieving properties. Used to treat skin problems, arthritis, and diabetes-related issues.
- Sap can be used to treat coughs, colds, and fevers.
- Leaves can be used to make a tea for treating digestive issues.

Balsam Poplar (15,300)

- Inner bark is edible and was consumed as a supplementary food, particularly in spring.
- Bud resin contains salicin and populin, compounds with documented anti-inflammatory and analgesic properties.
- Leaf and bud infusions were used to treat fevers, arthritis, and skin inflammation.

River Alder (790)

- Bark preparations used as a treatment for fever, skin rashes, and as a topical astringent.
- Inner bark and catkins contain tannins with documented antimicrobial and anti-inflammatory properties.
- Bark tea used to treat digestive complaints and as a blood purifier in traditional practice.

Red Osier Dogwood (4,320)

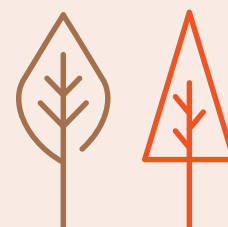
- Dogwood bark is known for its astringent and anti-inflammatory properties as an ailment.
- The inner bark is used in teas for colds and sore throats.
- Bark tea applied as a wash for skin conditions and eye infections.

Pussy Willow (4,375), Beaked/Bebb's Willow (2,805)

- Bark contains salicin, (a precursor to aspirin), making it useful for pain relief and fever reduction.
- The diamond willow fungus grows on mature Bebb's willow and is used in cultural activities.
- Flexible stems used in basket weaving and as cordage, with some using twig preparations for wound care.
- Young catkins are edible in early spring and were consumed as a minor food source.

Wild Rose (780)

- Rose petals and hips help reduce inflammation in the body, potentially easing conditions like arthritis and inflammatory bowel disease.
- Rose tea used for bloating and constipation.
- Calms the nerves promoting relaxation, helping with anxiety and depression.
- Rose petals have antibacterial properties, which is useful for wound healing and skin health.



Positive Impact

| UN SDG 17 - Partnerships for the Goals

Goal: Strengthen the means of implementation and revitalize the global partnership for sustainable development.

Matching ESG Goals:

- Coordinating conservation, Indigenous, and business partnerships.
- Directing private capital toward public-good outcomes.
- Strengthening ESG transparency and accountability.



Every forest planted by Project Forest is made possible by the coming together of funding partners, Indigenous communities, conservation organizations, and land stewards, each contributing something the others cannot provide alone.

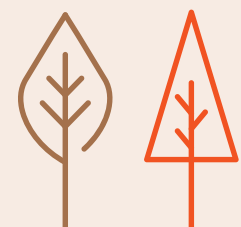
Indicator 17.3.1: Additional financial resources mobilized from multiple sources.

Rewilding benefits everyone, yet it rarely has a natural funding source. At Wagner Natural Area, the contribution from Keyera allowed Project Forest to unlock a matching grant through the Government of Canada's [2 Billion Trees Program](#) which requires at least 50% of project costs to be sourced from non-federal partners. This structure allowed Keyera to effectively double the rewilding impact of every dollar committed.

Project Forest's broader funding model is designed on this same principle: drawing resources from multiple sectors in a way that is structured, accountable and scalable. Since 2020, this approach has grown to include 77 funding partners, connecting the Canadian business community to Indigenous territories and conservation sites in a meaningful way. This alignment demonstrates how multi-source funding can generate a lasting ecological and community legacy.

2

**Funding Partners for
Wagner Natural Area**



Positive Impact

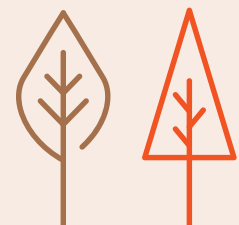
| UN SDG 17 - Partnerships for the Goals



Target 17.16: Enhance the Global Partnership for Sustainable Development through multi-stakeholder partnerships.

Our forests are the product of relationships that no single organization could build alone. Conservation groups contribute land and ecological expertise. Indigenous communities contribute land, traditional knowledge, cultural context, and long-term stewardship. Businesses contribute financial resources that make rewilding possible. Post-secondary institutions contribute research capacity and scientific rigour that strengthen our understanding of how these forests grow and function over time. When brought together in alignment, Project Forest is able to coordinate their contributions and ensure that the outcomes are documented and shared in a way that keeps all partners accountable and engaged year after year.

With additional guidance from the Indian Resource Council who hold a formal seat on our Board of Directors, we ensure that Indigenous institutional knowledge doesn't only shape our planting plans but our governance. This exchange of resources and knowledge deepens over time as relationships with our partners grow stronger each year. The result is not a transactional arrangement, but a growing community of organizations and individuals united around a shared commitment to rewilding Canada, one forest at a time.



Partners

| Funding Partners



Project Forest Wagner Natural Area

Our work is not possible without you.

Thank you to our funding partners!

Diamond Willow

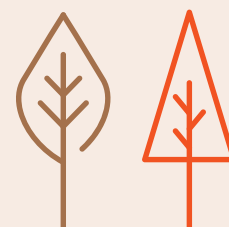


Platinum Forest

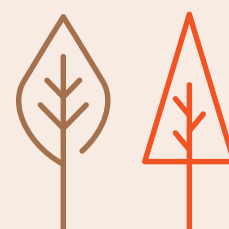


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Appendix A - As-Planted Plan



Project Forest – Wagner Natural Area

Wagner Natural Area: As-Planted Report (Sept-Oct 2025)

Prepared: March 25, 2026



Prepared by:



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1. Project Implementation Summary

Site location:	Wagner Natural Area,
Site Prep Dates:	Sept 10, 11 & 15, 2025
Planting Dates:	Oct 10 -12, 14 & 15, 2025
Carbon Sequestered Over 150 years:	22,157 tonnes of CO2 projected to be removed from the air over the course of 150 years
2025 - Number of Trees Planted:	39,710 seedlings
Number of Ha Planted:	20.1 ha
Subcontractors Involved:	Tree Time Services [Project management, seedlings & planting] Producers Equipment Co. [Mechanical Site Preparation] TerraPro Inc. [Supply, installation, removal of mats] EM Utility Locating [Complete Telus Locates]

Planted Species Composition				
Species			Rewilding Plan	As-Planted
Common Name	Latin Name	AVI Code	Quantity	Quantity
White Spruce	<i>Picea glauca</i>	Sw	7,740	7,740
Balsam Poplar	<i>Populus balsamifera</i>	Pb	16,920	15,300
White Birch	<i>Betula papyrifera</i>	Bw	3,600	3,600
Beaked Willow/ Bebbbs	<i>Salix bebbiana</i>		5,040	2,805
River Alder	<i>Alnus incana</i>		2,520	790
Wild Rose	<i>Rosa woodsii</i>		720	780
Red Osier Dogwood	<i>Cornus sericea</i>		4,320	4,320
Pussy Willow	<i>Salix discolor</i>		720	4,375
TOTAL:			41,580	39,710

2. Next Steps

- Sowing a cover crop to prevent weeds from establishing on the exposed mineral soil. This is dependent on Government of Alberta approval
- Planting an additional 3, 240 Bw due to the shortage between seedlings planned versus planted, and the additional 0.8 ha that was site prepped in Central
- First survey is scheduled for Fall 2026

Appendix A: Project Maps

1. As Planted Map

*Villeneuve did receive site preparation, however tracks were not recorded for site

2. Updated Monitoring Map (includes additional prepped area)



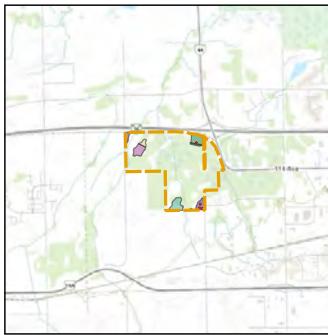
Wagner Natural Area Prescription Overview Map

Project Partners:

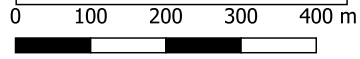


Legend:

- Site_Prep_Lines
- NoPrepOrPlant
- WagnerBoundary
- As-Planted_Prescription
 - Atim
 - Central
 - Little
 - Osborne
 - Poplar_Willow
 - Villeneuve
 - Villeneuve-Understory



Date Created: 2026-03-25
Project CRS: EPSG:3400
Source: ESRI Satellite
Created By: Tree Time Services Inc.
Scale: 1:6,500





Wagner Natural Area Monitoring Map

Project Partners:



Project
Forest



Legend:

- WagnerBoundary
- Monitoring Plots
- Planting Area



Date Created: 2026-03-25
Project CRS: EPSG:3400
Source: ESRI Satellite
Created By: Tree Time Services Inc.
Scale: 1:7,500.000008

0 100 200 300 400 m



Appendix B: Site Preparation Photos

Wagner Natural Area, 2025



Wagner Natural Area, 2025



Wagner Natural Area, 2025

Appendix C: Harvest Report

Load: 7072 (destination: field)										
Order	Client	Pickup Locations	Request Key	Seedlot	Trees	Boxes	Blocks	Overage	Notes	Order La Modifie
14193	TTSI-City of Edmonton (TTSI-EDM)	Tremel	2025_Summer_CityofEDM_Contract	TT 15-56-21-4-2022 PB 412A 1+0 (24 box)	Ordered: 4,140 Harvested: 4,140	Ordered: 23 Harvested: 23	57	no overage accepted		Oct 15, 2025
14229	TTSI-City of Edmonton (TTSI-EDM)	TTG	2025_Summer_CityofEDM_Contract	TT24Salibeb8622 salibeb 412A 1+0 (20 box)	Ordered: 4,320 Harvested: 2,805	Ordered: 24 Harvested: 16	71	no overage accepted		Mar 10 2025
14231	TTSI-City of Edmonton (TTSI-EDM)	TTG	2025_Summer_CityofEDM_Contract	TT24Salidis8631 salidis 412A 1+0 (20 box)	Ordered: 3,780 Harvested: 3,755	Ordered: 21 Harvested: 21	85	no overage accepted		May 25 2025
14351	TTSI-Tree Time Services Inc. (TTSI-TTIME)	TTG	2025_Summer_TTSI	TT 15-56-21-4-2022 PB 412A 1+0 (20 box)	Ordered: 720 Harvested: 720	Ordered: 4 Harvested: 4	14	no overage accepted		Oct 8, 2025
14372	TTSI-Project Forest (TTSI- ProFor)	TTG	2025_Fall_PF_AllSites	TT24CommonWildRose82501 rosawoo-RW 412A 1+0 (16 box)	Ordered: 720 Harvested: 780	Ordered: 4 Harvested: 5	12	all possible overage		May 12 2025
14425	TTSI-Project Forest (TTSI- ProFor)	TTG		TT 15-56-21-4-2022 PB 412A 1+0 (20 box)	Ordered: 10,440 Harvested: 10,440	Ordered: 58 Harvested: 58	168	no overage accepted		Oct 15, 2025
14430	TTSI-Project Forest (TTSI- ProFor)	TTG		TT24Salidis8631 salidis 412A 1+0 (20 box)	Ordered: 720 Harvested: 620	Ordered: 4 Harvested: 4	13	no overage accepted		Mar 18 2025
14431	TTSI-Project Forest (TTSI- ProFor)	TTG		TT24RedOsierDogwood35002 comser-DO 412A 1+0 (18 box)	Ordered: 4,320 Harvested: 4,320	Ordered: 24 Harvested: 24	64	no overage accepted		Oct 15, 2025
14432	TTSI-Project Forest (TTSI- ProFor)	TTG		TT 6-51-2-5-2022 alnuinc-AR 412A 1+0 (16 box)	Ordered: 1,080 Harvested: 790	Ordered: 6 Harvested: 5	40	no overage accepted		Mar 20 2025
14436	TTSI-Project Forest (TTSI- ProFor)	TTG		TT 4-50-9-5-2022 betupap-BW 412A 1+0 (20 box)	Ordered: 3,600 Harvested: 3,600	Ordered: 20 Harvested: 20	68	no overage accepted		Oct 15, 2025
14437	TTSI-Project Forest (TTSI- ProFor)	SLFN		TT 2-46-8-5-2001 Sw Strat SW 412A 1+0 (18 box)	Ordered: 7,740 Harvested: 7,740	Ordered: 43 Harvested: 43	105	no overage accepted		Oct 15, 2025
# orders in load: 11					TOTALS	Ordered: 41,580 Harvested: 39,710	Ordered: 231 Harvested: 223			

Wagner Natural Area, 2025

Appendix D: Daily Updates

			Day 1- Oct. 10, 2025	Day 2- Oct. 11, 2025		Day 3- Oct. 12, 2025	Day 4- Oct 14, 2025	Day 5- Oct 15, 2025	
Species	Order ID	Tree spacing	Site: Central	Site: Little	Site: Osborne	Site: Poplar Willow	Site: Atim	Site: Villeneuve	Site: Villeneuve understory
Alder	14432	2000 stems/ha	360	0	0	0	180	180	0
Bebbs Willow	14229/14351/14425	2000 stems/ha	720	180	0	900	0	900	0
Birch	14436	2000 stems/ha	0	0	1260	0	0	2340	0
Balsam Poplar	14193	2000 stems/ha	5580	180	2340	2880	1800	2520	0
Pussy Willow	14430/14231	2000 stems/ha	1080	0	720	1440	360	720	0
Dogwood	14431	2000 stems/ha	1080	0	0	1620	540	1080	0
Rose	14372	2000stems/ha	0	0	720	0	0	0	0
White Spruce	14437	2000 stems/ha	1080	0	900	3240	0	1440	1080

Wagner Natural Area, 2025

Site Conditions			
Site	Compaction	Competition	Notes
Central	Low-Moderate	Moderate	Moderate Grass competition
Osborne	Low	Moderate	Moderate grass competition. Birch planted in clusters
Little	Low	Moderate	Moderate grass competition. Birch planted in clusters
Poplar Willow	Low	Moderate	Moderate grass compaction
Atim	Low	Moderate	Moderate grass compaction
Villeneuve	Low	Moderate	Moderate grass compaction
Category Breakdown Low: maybe some additional difficulty (less than 10 seconds) Moderate: planting time more than normal Severe: shovel cannot penetrate soil enough to plant seedling at all or without significant effort (more than 40 seconds)			

Wagner Natural Area, 2025

Site Photos

Atim



Wagner Natural Area, 2025

Central



Wagner Natural Area, 2025

Little



+



Wagner Natural Area, 2025

Osborne



Wagner Natural Area, 2025

Poplar Willow



Wagner Natural Area, 2025

Villeneuve



Appendix B - Rewilding Plan



Project Forest Wagner Natural Area

Rewilding Work Plan 2025

April 4, 2025



Prepared by:



Version Number	Purpose/ Change	Author	Date
0.1	Consultation draft – to working group	Lindsay Dent , Environmental Planner	February 20, 2024
0.2	Second Draft based on feedback from WNA	Lindsay Dent , Environmental Planner	October 22, 2024
0.3	Final Draft based on feedback and from WNA	Lindsay Dent , Environmental Planner	January 8, 2025
0.4	Final Rewilding Plan – for BOD approval	Lindsay Dent , Environmental Planner	April 16, 2025

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3	Project Implementation Considerations	5
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3.4	Permit Requirements	5
4	Project Monitoring	5
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6	Deliverables and Timeline	6
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Appendix 2	CBM-CFS3 Model Assumptions	
Appendix 3	One Call & Abadata Information	

1 Project Overview

Wagner Natural Area (WNA) and Project Forest have formed a partnership to rewild degraded hay land portions of the boreal land reserve to the original forest stand types. Covering 251 hectares (620 acres) of provincially protected area, WNA has identified approximately 20 hectares for rewilding.

WNA boasts diverse natural habitats, including calcareous fens, marl ponds, willow swamps, drier coniferous and deciduous forests, and creeks. These habitats support a rich variety of plant life, including wild orchids, carnivorous plants, and mosses, and provide habitats for abundant insect, amphibian, and bird populations, as well as larger mammals such as white-tailed deer and moose. A significant ecological feature of Wagner is its fens, which flow toward Big Lake or accumulate in marl ponds.

Situated within Parkland County, between Edmonton and Spruce Grove, this provincially protected area is surrounded by agricultural fields and industrial development.

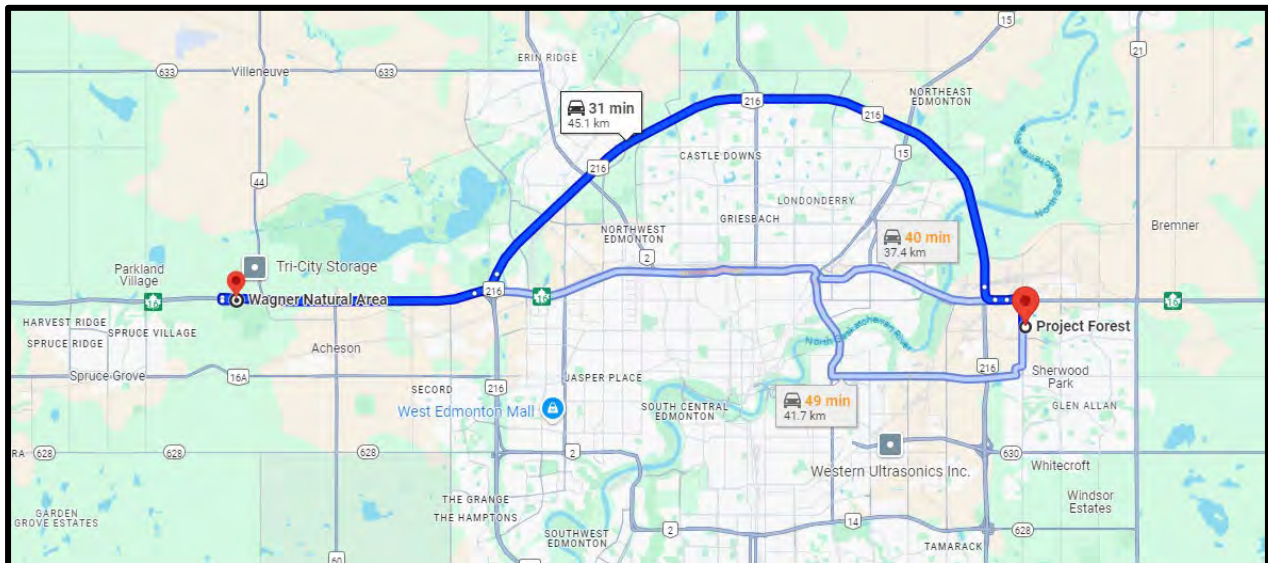


Figure 1. Directions to Wagner Natural Area

The proposed plan involves silviculture activities aimed at rewilding the identified areas and assisting natural succession for forest establishment. This initiative aims to provide increased area of forested habitat and ecosystem continuity within WNA.

The WNA Board of Directors and Project Forest anticipate positive impacts on both the environment and the community through this project, including the protection of natural heritage, increased habitat connectivity, reduced run-off, and enhanced carbon sequestration potential.

Following project implementation, Project Forest will adhere to monitoring standards to assess the site's trajectory towards forest restoration and make informed decisions on further silviculture treatments if required.

Project Forest has retained Tree Time Services for project planning, management, and field implementation.

2 Site Prescription

The site is situated within the Central Parkland natural subregion of the Parkland Natural Region and falls within the CP 1.1 seed zone. The project area is approximately 20 ha and has been divided into 6 sections. Refer to Appendix 1 for the Prescription Map.

The rewilding prescription is based on the Soil and Vegetation Inventory of Wagner Natural Area, Alberta (Geowest Environmental Consultants Ltd., 2000), complemented by insights from the Wagner Board of

Directors and other environmental professionals. By tailoring restoration efforts to the unique characteristics of each section, the initiative aims to bolster biodiversity and ecological resilience. Table 1 provides a breakdown of the sections and their respective areas identified for restoration.

Table 1. *Sections and their areas identified for restoration*

Section	Area (ha)
Atim	1.4
Central	4.3
Little	0.2
Osborne	2.8
Poplar/Bottom Willow	5.2
Villeneuve	5.5

2.1 Site Preparation

Mechanical site preparation is required for all sections as the area are dominated by grass. The recommended site prep technique is mini-mounds to penetrate the grass mat and establish microsites, while minimizing visual impact on visitors walking through the sites. Utilizing a skidder, mini mounding should be at a density of 2000 mounds per hectare. The skidder will travel in oblique or curved lines to avoid a grid pattern and emulate a more natural looking environment. The edges of the rewilding areas will not receive site prep based on the presence of natural ingress.

To mitigate further weed spread, the site preparation contractor will ensure the machinery is washed and will be inspected prior to commencement of site preparation. If feasible, it is also recommended that site preparation should occur earlier in the season, prior to weeds going to seed.

In addition, proactive vegetation management will include spot spraying of pre-emergent herbicides before seedling planting to suppress competition. Sites planted with deciduous trees will not be eligible for herbicide treatments afterwards, as herbicide also impacts broadleaf trees.

2.2 Seedling Selection

Seedling selection includes a diverse mix of species, including shrubs such as river alder (a nitrogen fixer) and dogwood. The final species mix will be determined through collaborative discussion and decision-making. See Table 2 for seedling recommendations for each section. The seedlings are prescribed at 2000 stems/ ha, which is equivalent to 2.4 m spacing on average between seedlings. For a more natural feel birch could be planted at a closer density, with variable spacing of 1 – 2.4 m between the birch seedlings. An underplanting of white spruce is prescribed in the southern and eastern portion of Villeneuve, at a density of 1000 stems/ ha.

Pine and black spruce were specifically excluded as main species composition options to mitigate fire risks, thereby promoting the establishment of the rewilded areas while prioritizing community safety.

Balsam poplar and white spruce have been selected for areas where aspen would typically be considered. Aspen does not compete well with other vegetation and this substitution will aid with the successful establishment of the reforested areas.

2.3 Seedling Browsing

Several options may deter deer and moose browsing on aspen and balsam poplar, including tree guards, Trico (sheep fat), and Plant Skydd (blood meal). Tree guards provide a physical barrier but require installation and removal, and trees may still be susceptible to browsing once they outgrow the guard. Trico and Plant Skydd are chemical deterrents derived from animal products, which deter herbivores by encouraging them to browse elsewhere.

Table 2. Seedlings ordered for project area

Site Name:			Atim		Central		Little		Osborne	
Species	Latin	Plug Size	Composition	Seedling #	Composition	Seedling #	Composition	Seedling #	Composition	Seedling #
White Spruce	<i>Picea glauca</i>	412A			10%	1080			15%	900
Balsam Poplar	<i>Populus balsamifera</i>	412A	70%	1980	60%	6120	50%	180	45%	2520
White Birch	<i>Betula papyrifera</i>	412A							20%	1260
Beaked Willow	<i>Salix bebbiana</i>	412A			10%	1080	50%	180		
River Alder	<i>Alnus incana</i>	412A	15%	540	10%	1080				
Wild Rose	<i>Rosa acicularis</i>	412A							10%	720
Red Osier Dogwood	<i>Cornus sericea</i>	412A	15%	540	10%	1080				
Pussy Willow	<i>Salix discolor</i>	412A		0		0			10%	720
Totals			100%	3060	100%	10440	100%	360	100%	6120
Planting Instructions			- plant mixed bag		- plant mixed bag with intention - plant spruce east of the path, willow seedlings away from ingress, and river alder along opening edges and depressions		- plant mixed bag		- plant mixed bag	
Site Name:			Poplar/Bottom Willow		Villeneuve		Villeneuve - understory			
Species	Latin	Plug Size	Composition	Seedling #	Composition	Seedling #	Composition	Seedling #	Seedling Total	
White Spruce	<i>Picea glauca</i>	412A	30%	3240	15%	1440	100%	1080	7740	
Balsam Poplar	<i>Populus balsamifera</i>	412A	30%	3240	30%	2880			16920	
White Birch	<i>Betula papyrifera</i>	412A			25%	2340			3600	
Beaked Willow	<i>Salix bebbiana</i>	412A	25%	2700	10%	1080			5040	
River Alder	<i>Alnus incana</i>	412A			10%	900			2520	
Wild Rose	<i>Rosa woodsii</i>	412A							720	
Red Osier Dogwood	<i>Cornus sericea</i>	412A	15%	1620	10%	1080			4320	
Pussy Willow	<i>Salix discolor</i>	412A							720	
Totals			100%	10800	100%	9900	100%	1080	41580	
Planting Instructions			- plant willow in the lower areas - plant spruce and dogwood in the higher areas		- plant as a mixed bag		- plant seedlings in more open areas of the understory			

*Using the Wagner Natural Area Extension Soil and Vegetation Inventory, April 2007; and eco-island plots for prescription guidance

2.4 Planting

Planting is scheduled to take place in Spring 2026. In sections where mounding has been implemented, seedlings will be planted near the hinge of the mound to optimize growth conditions.

For sections without mounding, planting will occur at a density of 2000 seedlings per hectare. However, the seedlings will be planted at variable spacing to emulate a more natural distribution of woody stems, avoiding a uniform grid pattern.

3 Project Implementation Considerations

3.1 Archaeology

The lands of the Wagner Natural Area have no listed HRV (Historic Resource Value), indicating there is no conflict with known historical resources.

3.2 Water Crossings

No water crossings will be required for project implementation.

There are existing access routes to sites, either off the road, established Wagner Natural Area paths, or private farm field.

3.3 FireSmart

Deciduous trees and shrubs make up 81.5% of the total prescribed stem count that are listed in *FireSmart Guide to Landscaping, Second Edition* by FireSmart Canada. White spruce is prescribed at a low enough density to mitigate the possibility of a crown fire. Spruce is prescribed at 1000 stems/ha for understory planting at Villeneuve; approximately 600 stems/ ha at Poplar Willow, and less than 350 stems/ ha at Central, Osborne, and Villeneuve.

3.4 Permit Requirements

To complete the rewilding of the sections, several requirements must be addressed:

- A Temporary Field Authorization (TFA) to implement the project;
- A collection permit to collect local willow material, if required; and
- Proximity and crossing agreements may be necessary based on Alberta Planning and Design Onecalls for the following sections:
 - o The Atim,
 - o The Poplar and southern portion of Willow,
 - o The Little, and
 - o The Osborne.

Before conducting site preparation, a OneCall will be placed to ensure all necessary precautions are taken prior to commencing work. Refer to Appendix 2 for the Abadata and OneCall search.

4 Project Monitoring

A project specific monitoring plan will follow the *Project Forest Monitoring Assessment Standards*. Annual site assessments will be conducted to monitor the project. A Final Assessment will determine if the site is on trajectory to become a mature forest. Currently, the expectation is to have the Final Assessment completed in the fall of 2031.

5 Maintenance

Maintenance recommendations will be based on the latest monitoring assessment. Recommendations may include vegetation management or fill planting. All monitoring reports regarding WNA will be shared and discussed with WNA Board. Based on discussions regarding the monitoring report and its recommendations, next steps will be determined and agreed upon by WNA Board and Project Forest.

Upon completion and approval of the Final Assessment, the site will be deemed to no longer require maintenance.

6 Deliverables and Timeline

Table 3. Project deliverables and timelines

Deliverable	Description	Timelines
Planning	- General consultation, client meetings - Site Visit - Completion of Rewilding Plan	February – October 2023
Project Management	Project Implementation and follow-up	2024 – Completion of Final Assessment
Seedlings Ordered	Based on final WNA Board of Directors approved draft	Placed October 2024
Third Party Agreements	If required	May 2025
TFA Application	TFA application will be completed prior to site prep	Spring/ Summer 2025
Site Preparation	Mini-mounding	Fall 2025
Planting	All seedlings will be planted	Spring 2026
Monitoring Program	Follow monitoring protocols until Final survey completion	Final Survey by fall 2031
Vegetation Management	Depending on vegetative competition, handpicking may be required	As required
Fill Plant	The monitoring plan will state if a fill plant needs to occur at survey process should data indicate that the site may not meet the rewilding standards.	One time event if required

6.1 Modeled Carbon Capture

The Carbon Budget Model of the Canadian Forest Sector (CBM-CFS3) estimates that the site will capture 22,157 tonnes of CO₂ from the air over the course of 150 years.

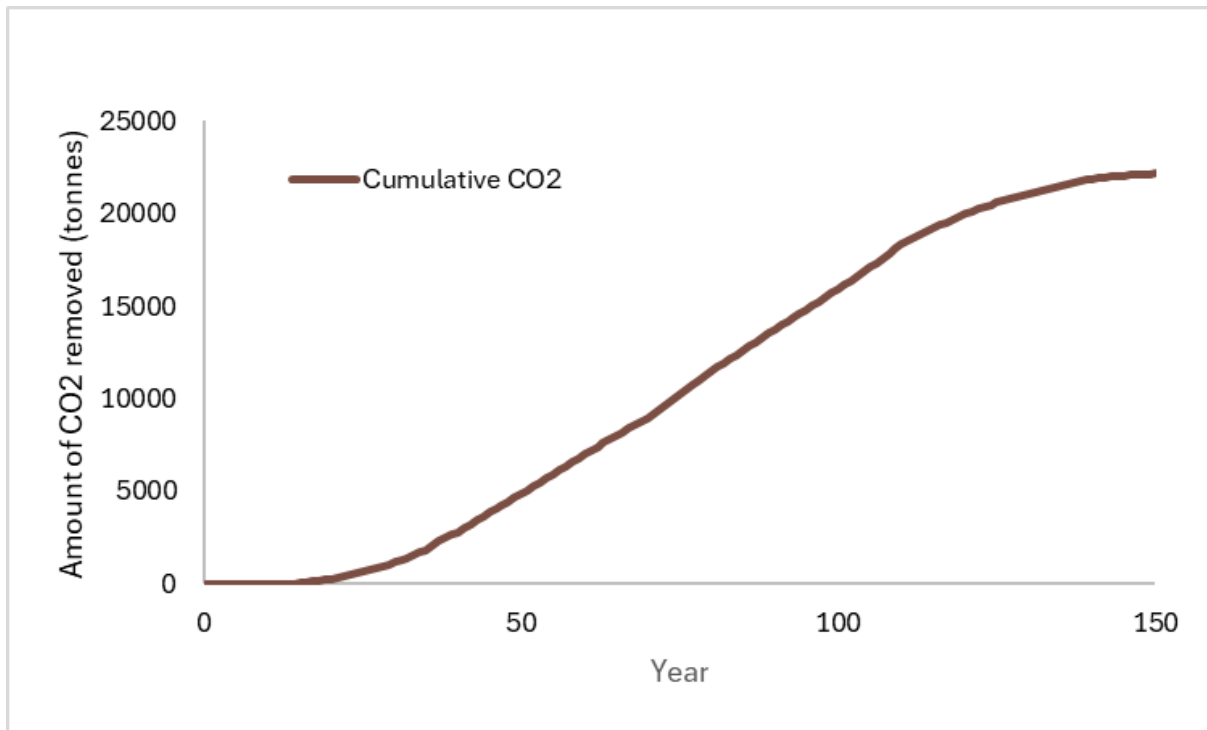


Figure 2. Depicts the cumulative carbon captured over 150 years

Refer to Appendix 2 for the model assumptions that calculated this carbon number.

7 Safety

Project Forest expects a high degree of safety from all contractors and people on site. Therefore, Project Forest requires a site-specific safety plan from the main contractor or supervisor on site. This plan will include:

- First aid requirements,
- Emergency response plan,
- Safe work permits (if applicable),
- Verification of safety tickets,
- Site orientation,
- Daily tailgates,
- Ongoing Hazard and Risk Assessments, and
- A copy of the contractors Health and Safety Plan.

Additionally, Project Forest contractors will follow their respective health and safety plans as well as Alberta OH&S procedures and guidelines. If there are any conflicts with safety plans or policies, the most stringent plan will take precedence. Any injury, damage or other adverse event must be reported to Project Forest immediately.

8 References

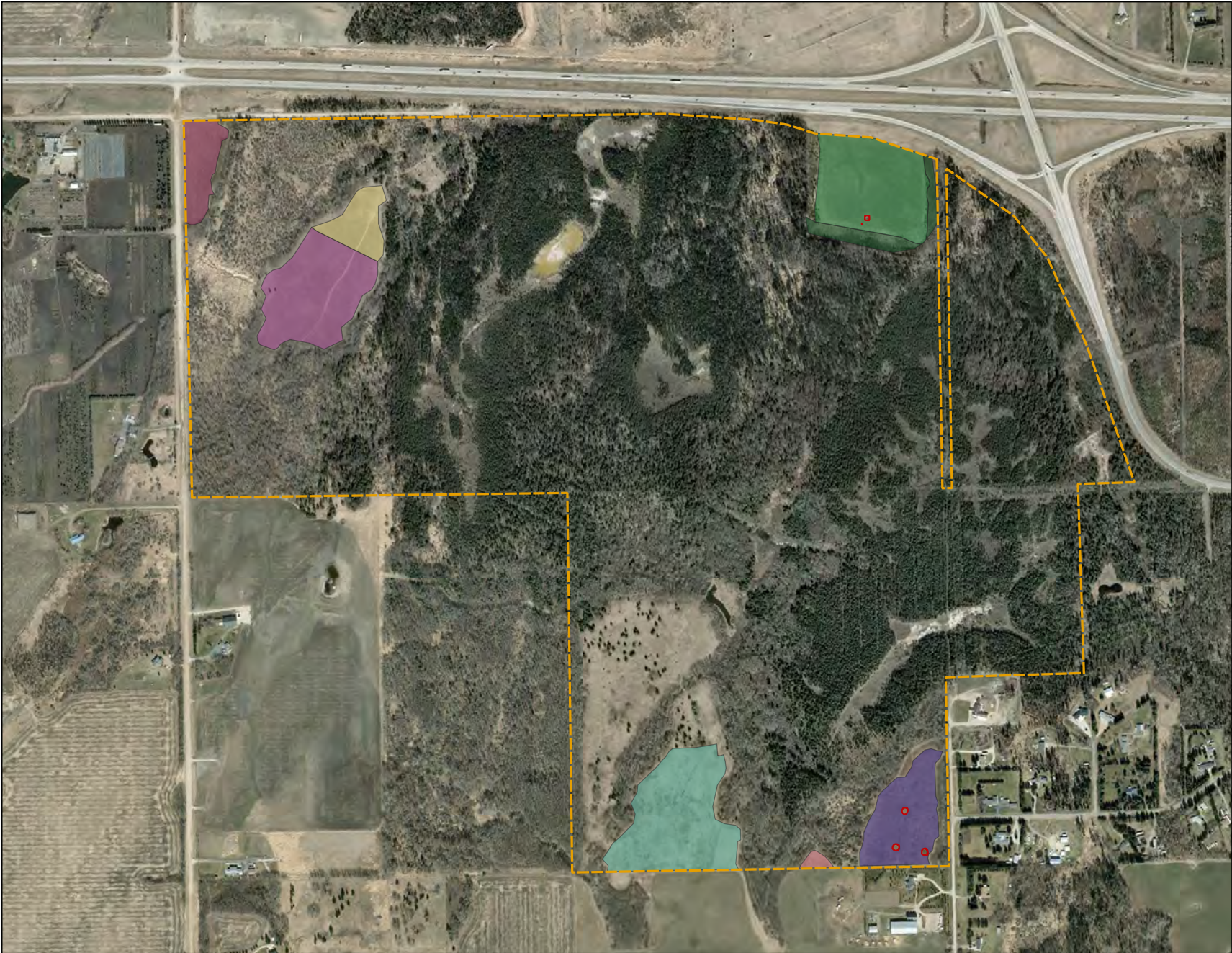
(Rangeland Conservation Service Ltd. and Soil-Info Ltd. 2007. Wagner Natural Area Extension, Soil and Vegetation Inventory. Unpub. report prepared for Nature Conservancy of Canada and Wagner Natural Area Society. 86 pp. + Appendices.

Margules, Chris R., and Robert L. Pressey. "Systematic conservation planning." *Nature* 405.6783 (2000): 243-253.

"Wagner Fen." Wagner Fen, wagnerfen.ca/about-us/.

Vujnovic, K., L. Nikiforuk, J. Bentz, and P. Beaudette. 2000. Soil and Vegetation Inventory of Wagner Natural Area, Alberta. Unpub. report prep. by Geowest Environmental Consultants Ltd. and Soil-Info Ltd. for Alberta Environment. 131 pp. (incl. appendices).

Appendix 1 Prescription Maps



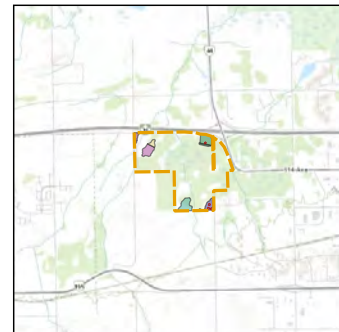
Wagner Natural Area Prescription Overview Map

Project Partners:

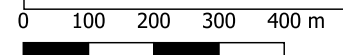


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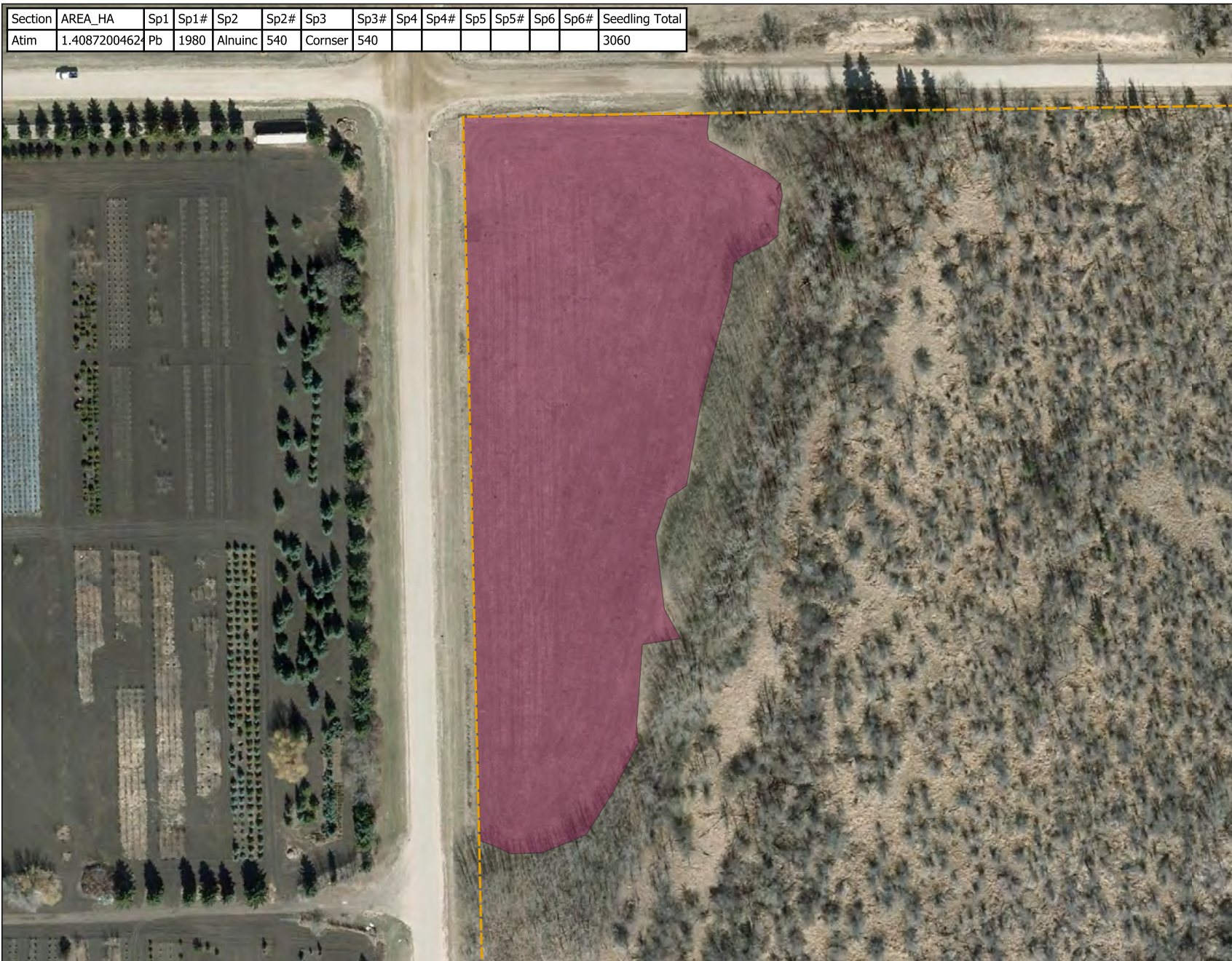
- Wagner Boundary
- Prescription
 - Atim
 - Central
 - Central Meadow
 - Little
 - Osborne
 - Poplar_Willow
 - Villeneuve
 - Villeneuve-Understory
 - NoPrepOrPlant



Date Created: 2025-04-14
Project CRS: EPSG:3400
Source: ESRI Satellite
Created By: Tree Time Services Inc.
Scale: 1:7,500.000008



Section	AREA_HA	Sp1	Sp1#	Sp2	Sp2#	Sp3	Sp3#	Sp4	Sp4#	Sp5	Sp5#	Sp6	Sp6#	Seedling Total
Atim	1.4087200462	Pb	1980	Alnuinc	540	Cornser	540							3060



Wagner Natural Area Atim - Prescription

Project Partners:

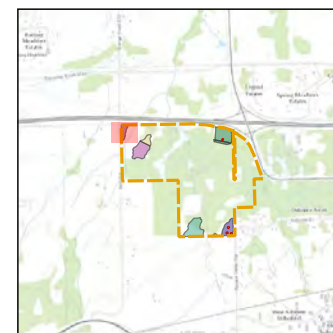


Legend:

WagnerBoundary 

Prescription

Atim 

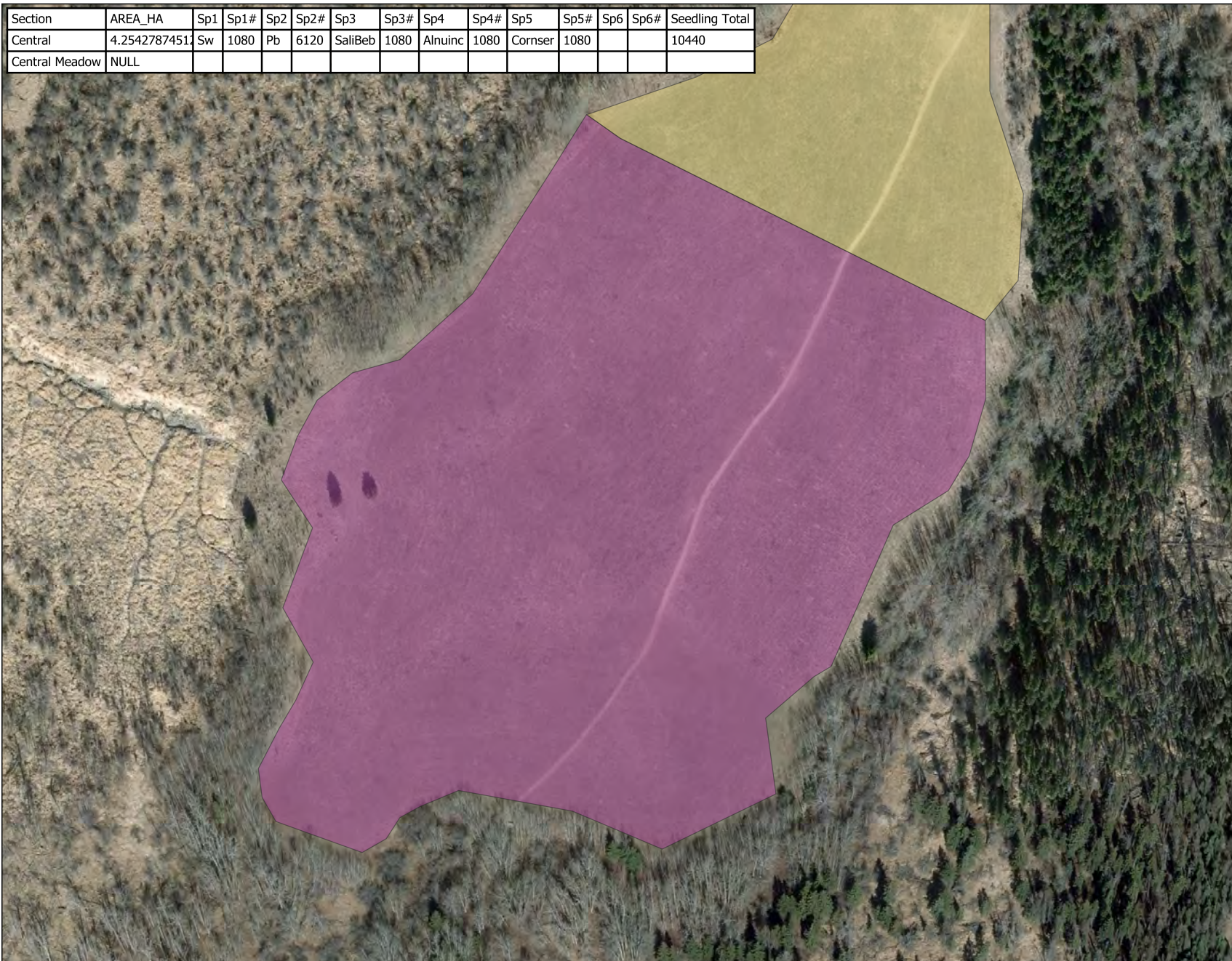


Date Created: 2025-04-16
Project CRS: EPSG:3400
Source: ESRI Satellite & ESRI Topo
Created By: Tree Time Services Inc.
Scale: 1:1,069.190251

0 25 50 m



Section	AREA_HA	Sp1	Sp1#	Sp2	Sp2#	Sp3	Sp3#	Sp4	Sp4#	Sp5	Sp5#	Sp6	Sp6#	Seedling Total
Central	4.2542787451	Sw	1080	Pb	6120	SaliBeb	1080	Alnuinc	1080	Cornser	1080			10440
Central Meadow	NULL													



Wagner Natural Area Central - Prescription

Project Partners:



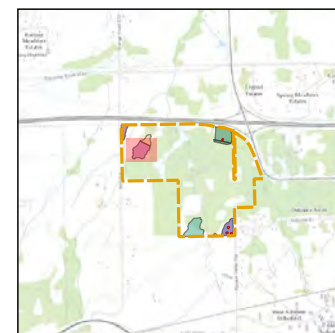
Legend:

WagnerBoundary

Prescription

Central

Central Meadow



Date Created: 2025-04-16
Project CRS: EPSG:3400
Source: ESRI Satellite & ESRI Topo
Created By: Tree Time Services Inc.
Scale: 1:1,255.896524

0 25 50 m



Section	AREA_HA	Sp1	Sp1#	Sp2	Sp2#	Sp3	Sp3#	Sp4	Sp4#	Sp5	Sp5#	Sp6	Sp6#	Seedling Total
Little	0.1680670985	Pb	180	Salibeb	180									360



Wagner Natural Area
Little - Prescription

Project Partners:




Legend:

WagnerBoundary

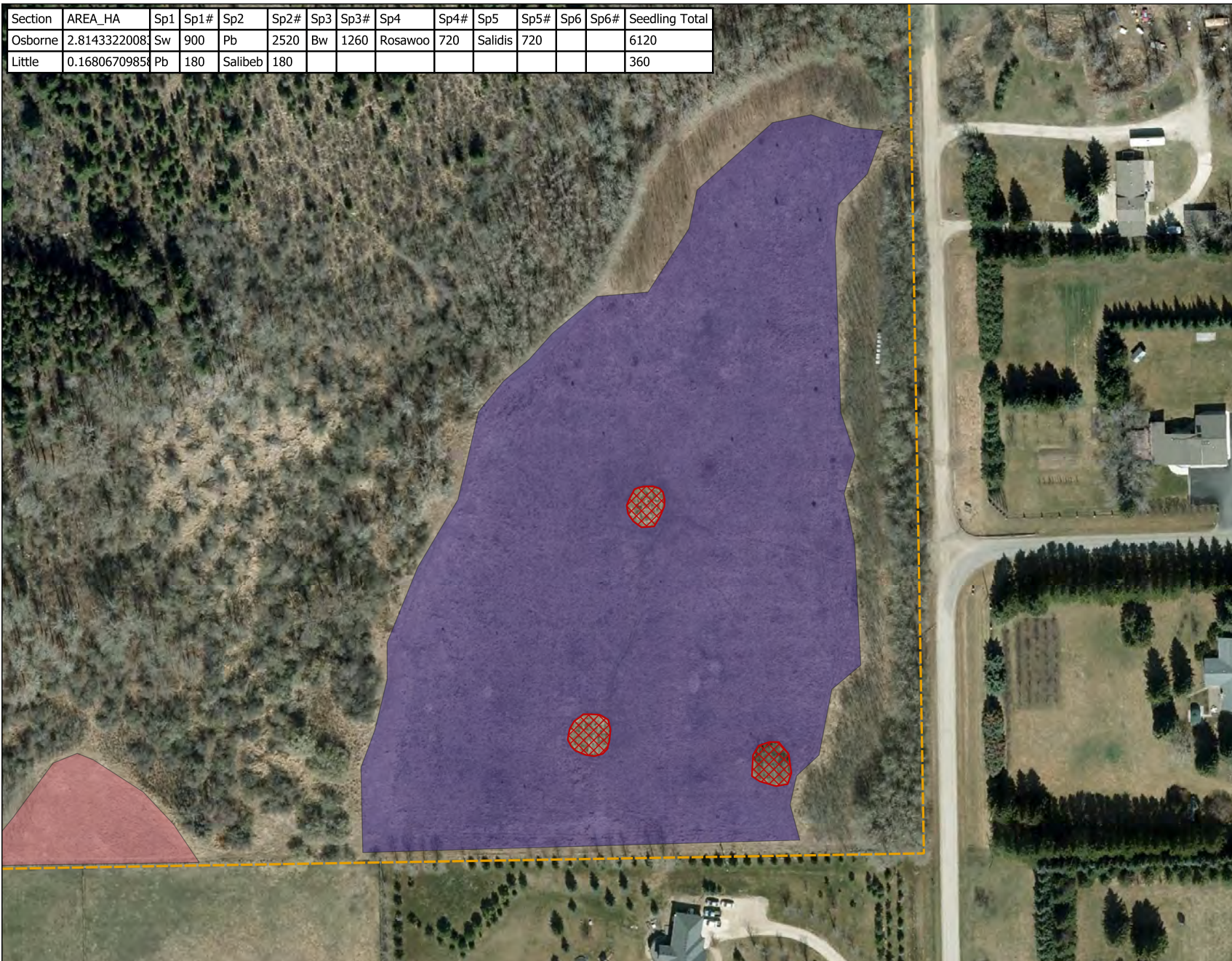
Prescription

Little



Date Created: 2025-04-16
Project CRS: EPSG:3400
Source: ESRI Satellite & ESRI Topo
Created By: Tree Time Services Inc.
Scale: 1:277.209195

Section	AREA_HA	Sp1	Sp1#	Sp2	Sp2#	Sp3	Sp3#	Sp4	Sp4#	Sp5	Sp5#	Sp6	Sp6#	Seedling Total
Osborne	2.8143322008	Sw	900	Pb	2520	Bw	1260	Rosawoo	720	Salidis	720			6120
Little	0.1680670985	Pb	180	Salibeb	180									360



Wagner Natural Area Osborne - Prescription

Project Partners:



Legend:

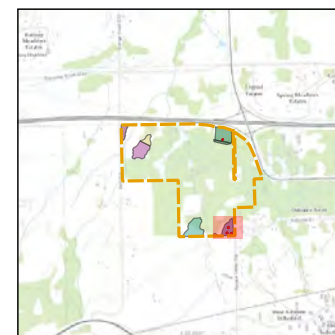
WagnerBoundary 

Prescription

Little 

Osborne 

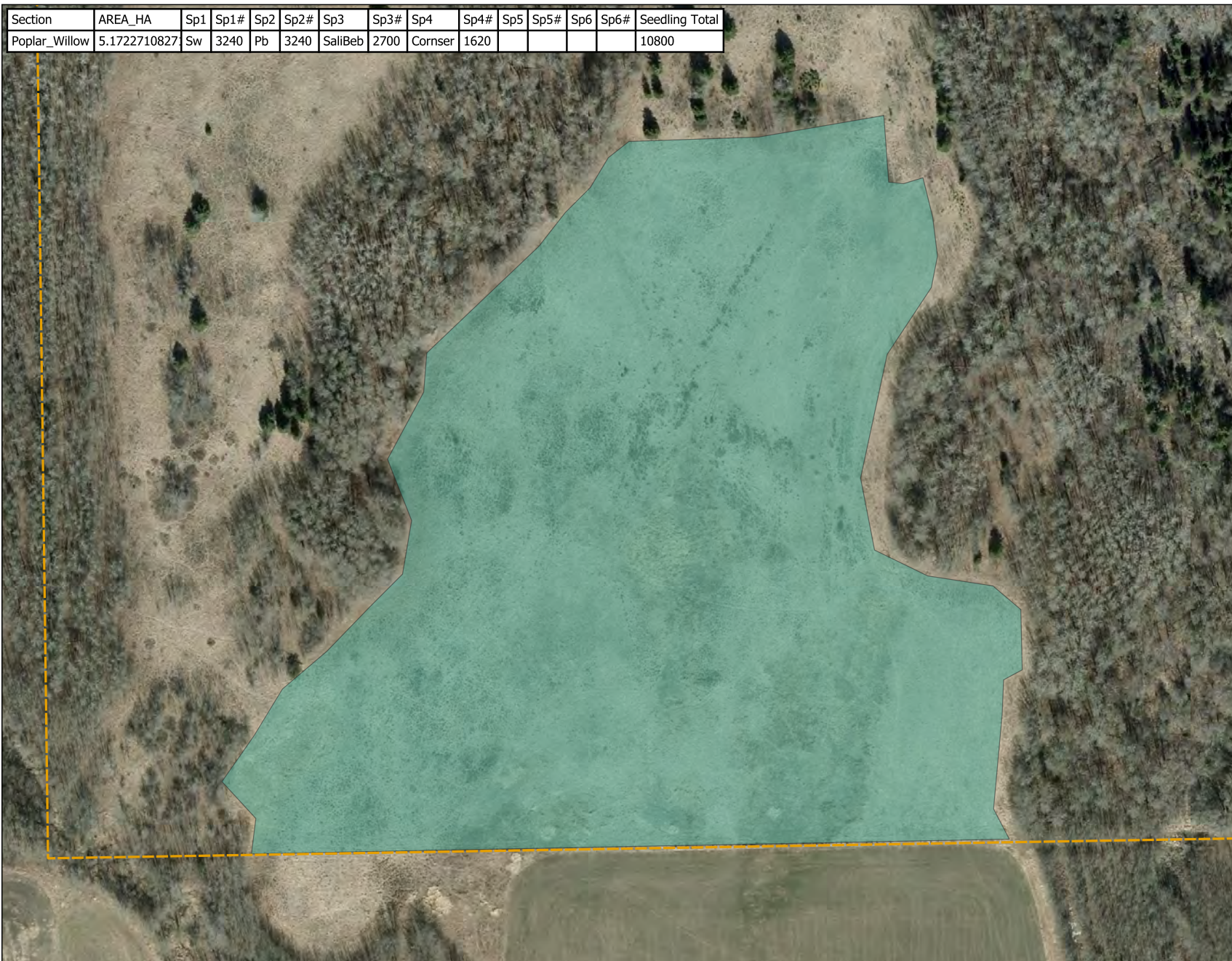
NoPrepOrPlant 



Date Created: 2025-04-16
Project CRS: EPSG:3400
Source: ESRI Satellite & ESRI Topo
Created By: Tree Time Services Inc.
Scale: 1:1,202.327799

0 25 50 m





Wagner Natural Area
Poplar_Willow -
Prescription

Project Partners:



**Project
Forest**

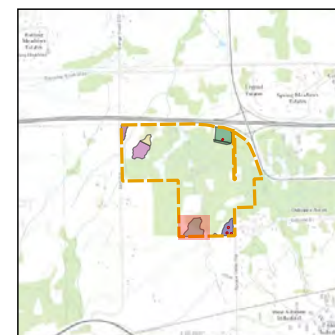


Legend:

WagnerBoundary

Prescription

Poplar_Willow



Date Created: 2025-04-16
Project CRS: EPSG:3400
Source: ESRI Satellite & ESRI Topo
Created By: Tree Time Services Inc.
Scale: 1:1,309.145727

0 25 50 m





Section	AREA_HA	Sp1	Sp1#	Sp2	Sp2#	Sp3	Sp3#	Sp4	Sp4#	Sp5	Sp5#	Sp6	Sp6#	Seedling Total
Villeneuve-Understory	0.9991351692	Sw	1080											1080
Villeneuve	4.5218255161	Sw	1440	Pb	2880	Bw	2340	Salibeb	1080	Alnuinc	900	Cornser	1080	9720



Wagner Natural Area Villeneuve - Prescription

Project Partners:

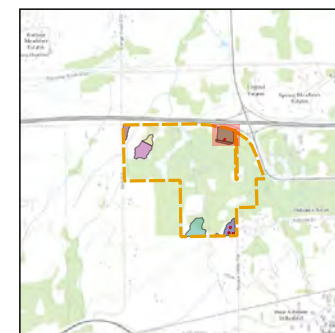


Project
Forest



Legend:

- WagnerBoundary
- Prescription
- Villeneuve
- Villeneuve-Understory
- NoPrepOrPlant



Date Created: 2025-04-16
Project CRS: EPSG:3400
Source: ESRI Satellite & ESRI Topo
Created By: Tree Time Services Inc.
Scale: 1:1,135.87704

0 25 50 m



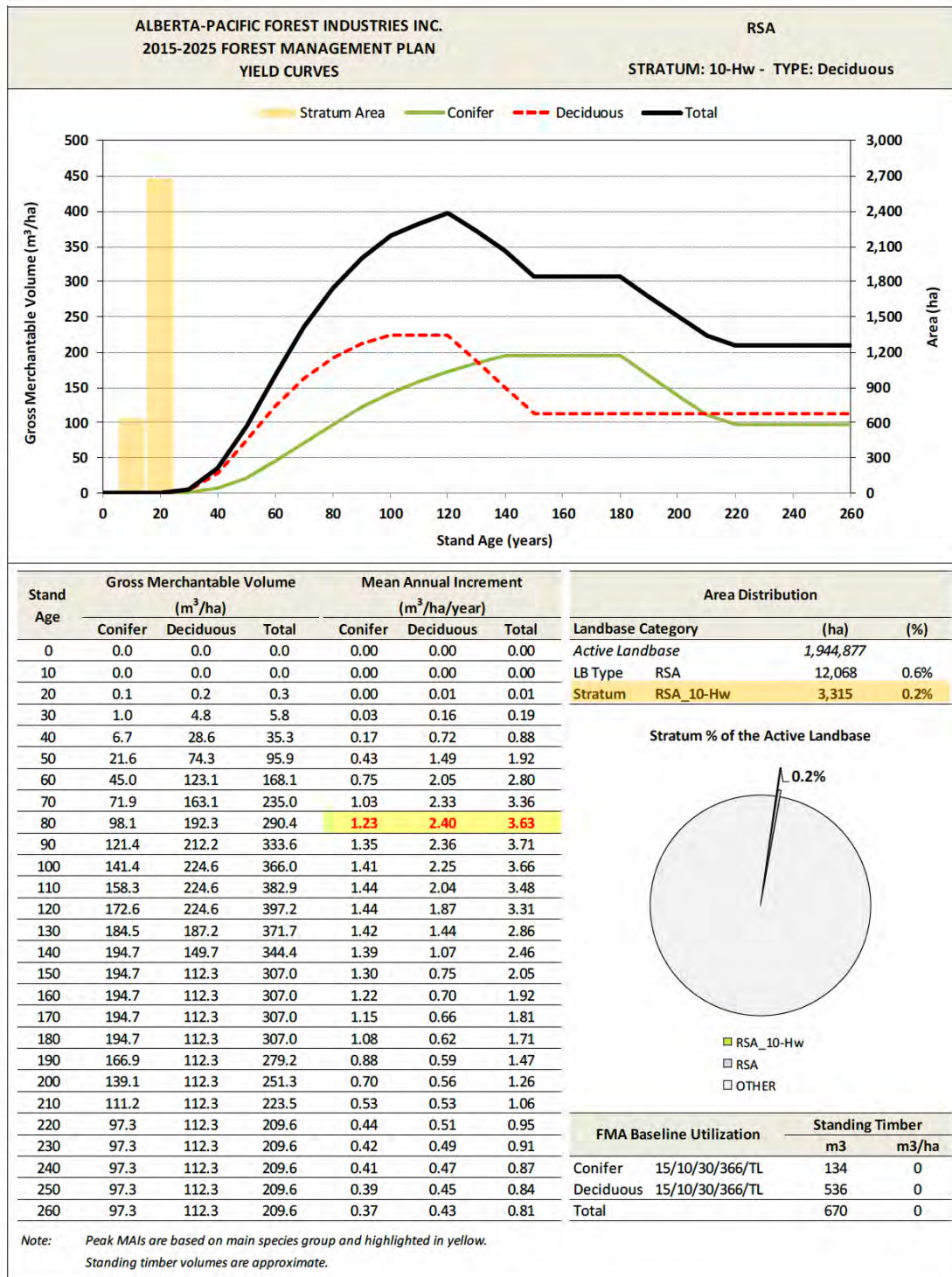
Appendix 2 CBM-CFS3 Model Assumptions

53.569691406553105, -113.82730311578332

Single stand

Leading hardwood = Balsam poplar

Leading softwood = White spruce





Project Basic Specifications

Location

Administrative Boundary:

Alberta

Ecological Boundary:

Boreal Plains

Species

Available Species

Whitebark and limber pine
Whitebark pine
Willow
Yellow birch
Yellow-cypress
Yew

Select >>

<< Remove

Species Included in this Project

Balsam poplar
White spruce

Nonforest Soil Types:

Available Nonforest Soil Types:

Brunisolic
Podzolic
Luvisolic (E. Canada)
Chernozemic - Brown
Chernozemic - Dark brown
Chernozemic - Black
Chernozemic - Dark gray
Average

Select >>

<< Remove

Nonforest Soil Types Included in this Project:

Luvisolic (W. Canada)

Back

Next

Cancel

Project Optional Specifications

Simulation Options

How many stands do you want to create? (1 to 100)

How many time steps do you want to run?

What default maximum age for growth curves would you like to use?

What growth curve interval would you like to use? (e.g., 5 years, 10 years)

Optional Classifiers

Three classifiers (Stand ID, Leading Species, Land Cover Type) are automatically created.
Click button to define additional classifiers.

 Schedule Disturbance Events

Schedule Disturbance

Review Disturbance Schedule

Disturbance Target: Stand 1

Stand History

	Disturbance T	Leading Spec	Land Cover	Time Step	Disturbance E
	N/A	Nonforest	Luvisolic (W.	1	-1
▶	Afforestation	Balsam popla	Luvisolic (W.	1	1

Disturbance Event Details

Disturbance: Afforestation

Start Step: 1

Interval: 1

Iterations: 1

Total Time Steps: 150

Postdisturbance Forest Type

	Classifier Name	Classifier Value
▶	Stand ID	Stand 1
	Leading Species	Balsam poplar
	Land Cover	Luvisolic (W. Canad

Generate Event

Delete Event

Back

Next

Cancel

Enter Growth and Yield Information

All Growth Curves:

Stand 1, Balsam poplar, Luvisolic (W. Ca)



Yield Table for Selected Growth Curve

Applied Species:

Balsam poplar

White spruce



Add Species

Additional Species:

White spruce

Save

View

Age	Volume
10	0
20	0.2
30	4.8
40	28.6
50	74.3
60	123.1
70	163.1
80	235
90	290.4
100	333.6
110	382.9
120	397.2
130	371.7
140	344.4
150	307
160	307
170	307
180	307
190	279.2
200	251.3
*	

Back

Next

Cancel

Enter Growth and Yield Information

All Growth Curves:

Stand 1, Balsam poplar, Luvisolic (W. Ca



Yield Table for Selected Growth Curve

Applied Species:

Balsam poplar

White spruce



Add Species

Additional Species:

White spruce

	Age	Volume
▶	0	0
	10	0
	20	0.1
	30	1
	40	6.7
	50	21.6
	60	45
	70	71.9
	80	98.1
	90	121.4
	100	141.4
	110	158.3
	120	172.6
	130	184.5
	140	194.7
	150	194.7
	160	194.7
	170	194.7
	180	194.7
	190	166.9
	200	139.1

Save

View

Back

Next

Cancel

Project Summary

The following is a summary of the details that will be used to create the project:

Default Project Location: Alberta & Boreal Plains

Inventory Details

Stand 1, Nonforest, Luvisolic (W. Canada) Age: 0 Area: 19 ha

Total Area: 19

Number of growth curves: 1

Disturbance Types

Wildfire

Afforestation

Disturbance Events Schedule

Time Step	Disturbance Type	Target	from	to
1	Afforestation	19	Stand 1, Nonforest, Luvisolic (W. Canada)	Stand 1, Balsam poplar, Luvisolic (W. Canada)

Default Spatial Unit Dependant Assumptions Created

(SPUGroup) Default Run Growth Assumption

Disturbance group assumption for Wildfire

Disturbance group assumption for Afforestation

SPU group transition for Wildfire

SPU group transition for Afforestation

Default Modeling Assumptions Created

Default Run Growth Assumption

Default Disturbance and Management Assumption

Default Run Disturbance Matrix Assumption

Default Run Climate Assumption

Default Volume-to-Biomass Assumption

Default Biomass Turnover Assumption

Default DOM Turnover Assumption

Wagner Default Stand Initialization Assumption

Done

Appendix 3 One Call & Abadata Information

WNA - Abadata Search



Thursday, February 15, 2024

1:22,337

0 0.25 0.5 1 km





Ticket No: 20240510147

Utility Details

Utility ID:	33935	Station Code:	AGNNEDMN
Utility Name:	ATCOGAS, A DIVISION OF ATCOGAS AND PIP	Sequence No:	18
Utility Contact:	PROMARK	Previous Ticket No:	

Excavator Details

Excavator ID:	698973	Phone:	780-914-6478
Contact:	Sara Bence	Mobile:	780-914-6478
Company:	Tree Time Services Inc.	Email:	sara@treetime.ca
User Type:	Contractor		

Dig Site and Ticket Details



Customer Remarks

[Open Map](#)

Villeneuve Wagner Natural Area Project Forest

Stations Affected List:

TELECPTN, AGNNEDMN, EAPUOC

Land Grids: LLD

NE-07-53-26-W4

Ticket Status	Original
Ticket Type	Planning & Design
User Reference	Villeneuve Wagner Natural Area Project Forest
Request Date	2024-02-02T13:34:59-07:00
Work Start Date	2025-06-03T01:00:00-06:00
Address	RURAL RURAL T7X
Nearest Cross Street	Not Supplied
Type of work	Landscaping
Activity	Trenching
Excavation Method	Reclaiming
Excavation Depth	0.3 to 1m
Public Property	Green Space
Private Property	None
Onsite Contact	Not Supplied
Onsite Phone	Not Supplied
Urban/Rural	Rural
Municipal District	Not Supplied
Nearest Community	Not Supplied
Rural Subdivision	Not Supplied
Lot No.	
Block No.	
Plan No.	
Latitude	53.568688
Longitude	-113.814125
ALP Option	No

Network Infrastructure Protection & Awareness
Edmonton, Alberta
1-800-980-0030



Dear Customer,

RE: Legal Contract provincial “One Call” locate request.

This is an important legal document from TELUS Communications Inc. (TELUS) to you regarding your provincial “One Call” locate request.

Do not proceed until you have read this document in full and reviewed all attached documents.

This letter and documents (including any accompanying attachments) is a legal contract between you and TELUS. By commencing with activities or work using these documents, you accept all terms and conditions as outlined below.

Please note: The attached map documents are not locate drawings (aka sketch) or as-built drawings. They have no measurements to fixed objects and are to be used for reference only. TELUS Facility Maps are only relevant as of the dates they are issued and circumstances can change at any time, without notice to you, regarding the existence of TELUS Facilities within the area of identified on your request, including new TELUS Facilities.

Terms and Conditions

Term of Contract: This No Excavation response does NOT constitute a clearance to excavate and you are NOT to undertake any ground disturbance. Since no ground disturbance will be taking place, TELUS does NOT mark facilities, on No Excavation (e.g. Planning & Design) requests because there is no immediate and/or direct danger to our underground/buried facilities. If you intend to undertake any ground disturbance, you MUST contact your Provincial One-Call Centre and place a Utility Locate Request prior to ground disturbance.

Application of Contract: This Contract and the attachments are for No Excavation requests (e.g. Planning & Design) purposes only.

As-Built Plans / Brownline: Where available, TELUS' Engineering Department can provide copies of 'as-built' plans or brownlines for planning and design purposes. These 'as-built / brownline' plans can be ordered for any project where an accurate location of TELUS Facilities is required. **RESEARCH CHARGES MAY APPLY:**

- BC - Lower Mainland Coastal – UGRequests@telus.com
- BC - Vancouver Island – UGRequests@telus.com
- BC - Interior North – PGEngineering@telus.com
- BC – Interior South – Kelowna.Engineering@telus.com
- AB – abengineering@telus.com
- MB & SK – Massimo.Pavese@telus.com or Anthony.Segreto@telus.com
- ON – engineering.requests@telus.com

Reporting Damage: Any damage to TELUS facilities or infrastructure in BC, AB, SK or MB must promptly be reported to those provincial “One Call” centers. Damage to TELUS facilities in ON must be reported to TELUS at 1-800-980-0030.

- BC “One Call”: 1-800-474-6886 (*6886 on Cellular)
- AB “One Call”: 1-800-272-3447
- SK “One Call”: 1-866-828-4888
- MB “One Call”: 1-800-940-3447



Waiver/Disclaimer: While reasonable measures have been taken to ensure the accuracy of the information contained in this contract and its attachments. TELUS makes no representations or warranties regarding, and does not guarantee, the accuracy, reliability or completeness of any information contained herein or any attachment. TELUS assumes no liability whatsoever in relation to any loss, damage, cost, or expense arising from the use of this contract, including the information contained herein. You agree that any reliance on information contained in this contract will be at your own risk.

Indemnity: You shall indemnify and hold TELUS harmless from and against any and all costs and expenses (including legal costs), claims, damages, liabilities, actions, causes of action and losses including any and all loss of or damage to property and any and all injuries and loss of life, which in each case arise out of or are caused by, any breach of this contract or any unlawful act or any negligent act or omission, by you in connection with this contract. You shall not be required to indemnify TELUS to the extent any such damage or losses arise out of or are caused by a breach of this contract by TELUS or any unlawful act or any negligent act or omission by TELUS or any third party. This section shall survive the termination of this contract.

Insurance: If there are buried (underground) facilities within your dig area, you shall at all times throughout the term maintain insurance coverage for: (i) all-risk property loss covering the full insurable replacement cost of TELUS facilities and infrastructure and (ii) commercial general liability in an amount not less than two million dollars (\$2,000,000) per occurrence for bodily injury and property damage (Commercial General Liability). TELUS shall be included as an additional insured in the Commercial General Liability policy, but solely with respect to liability arising out of the your operations at the locate. At TELUS' request, you shall provide a memorandum or other written evidence of insurance confirming that policies as required in this contract are in force. The Commercial General Liability policy shall contain a provision whereby the insurers will endeavor to provide thirty (30) days' notice of cancellation to TELUS.

Privacy: This contract, including any attachments, is for the sole use of the intended recipient and contains confidential information that is not to be shared with any other parties under any circumstances. If you are not the intended recipient, please contact TELUS at infrastructure.protection@telus.com and destroy or delete any copies.

TELUS Policies: Before commencing with your activities or work, you agree to become familiar with the TELUS Policies for safe excavation near TELUS facilities handbook included in the TELUS Response Contract package sent to you. Should this contract contain a requirement(s) which differs from the TELUS Policies, then the requirement(s) in this contract is to be followed.

If you have any questions or concerns regarding this contract, please contact TELUS Network Infrastructure Protection & Awareness at infrastructure.protection@telus.com



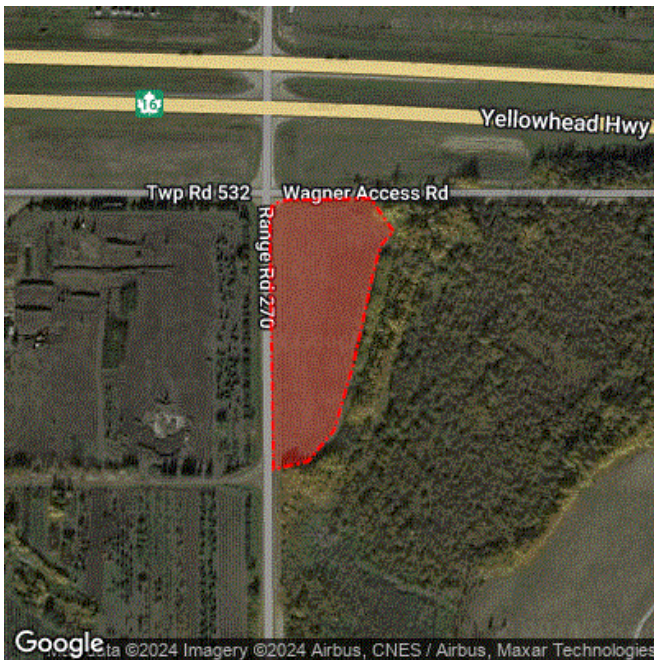
Ticket No: 20240510117

Excavator Details

Caller Id: 698973
Contact: Sara Bence
Company: Tree Time Services Inc.

Phone: 780-914-6478
Mobile: 780-914-6478
Email: sara@treetime.ca

Dig Site and Ticket Details



[Open Map](#)

Project Forest Wagner Natural Area Atim

Land Grids: LLD

NW-07-53-26-W4, SW-18-53-26-W4

Latitude: 53.569089 **Longitude:** -113.835695

Ticket Status	Original
Ticket Type	Planning & Design
Previous Ticket No.	Not Supplied
User Reference	Atim Wagner Natural Area PF
Ticket Date	2024-02-02T13:24:17-07:00
Work Start Date	2025-06-10T01:00:00-06:00
Address	RURAL RURAL T7X
Nearest Cross Street	Not Supplied
Type of work	Landscaping
Activity	Trenching
Excavation Method	Reclaiming
Excavation Depth	0.3 to 1m
Public Property	Green Space
Private Property	None
Onsite Contact	Not Supplied
Onsite Phone	Not Supplied
Municipality	Not Supplied
Nearest Community	Not Supplied
Rural Subdivision	Not Supplied
Lot No.	
Block No.	
Plan No.	
ALP Option	No

Your Responsibilities

- Do not proceed with any excavation until all notified asset owners have responded by providing clearance, OR by identifying the location of their facilities with maps OR by placing locate marks on the ground.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using the Before You Dig Partners service, you agree to our privacy policy and the terms and conditions set out at on our web site.
- **For more information, visit www.BeforeYouDigPartners.com**

Utility Owner Details

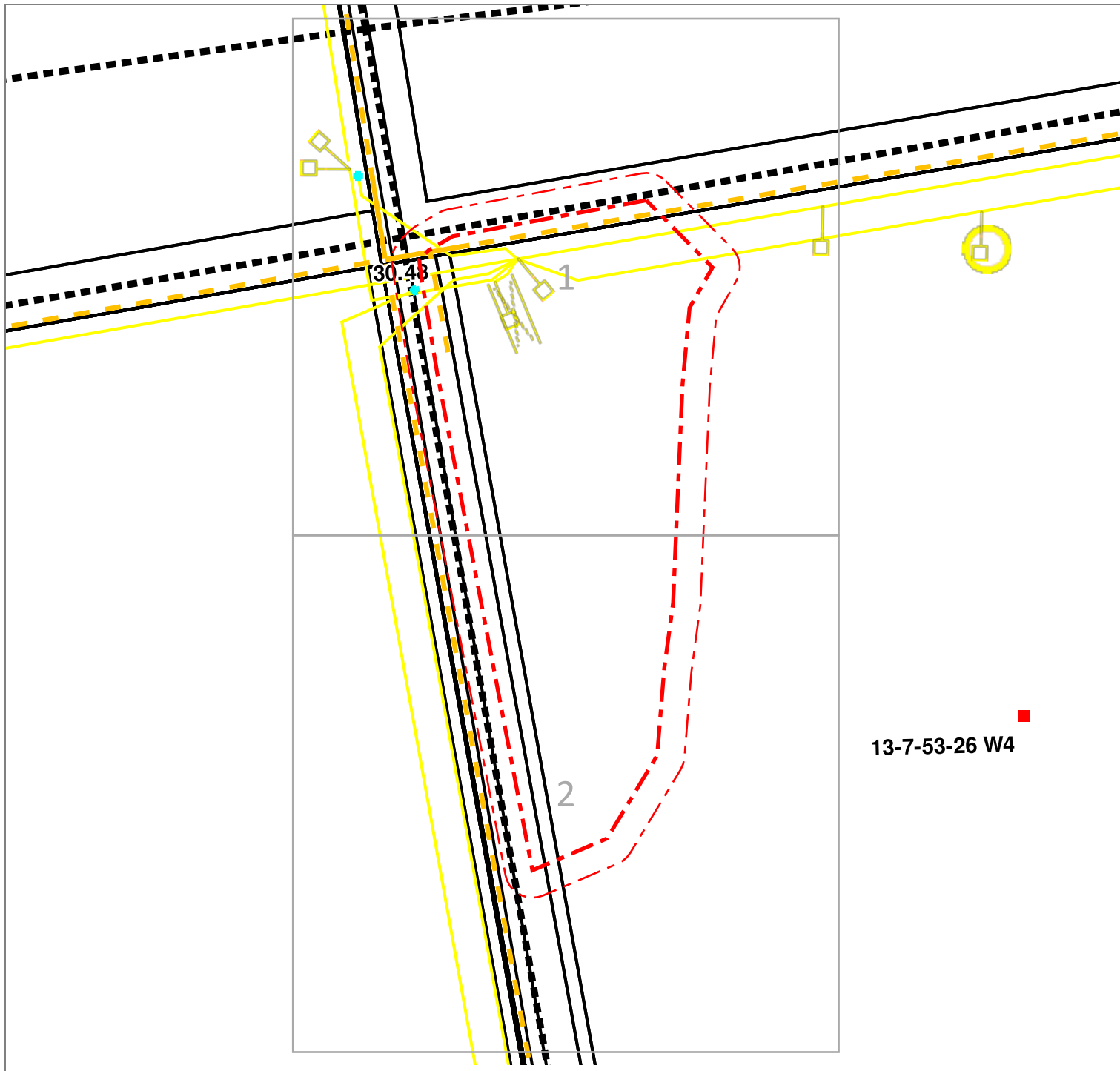
The public utility owners listed below with a Status of "Notification Sent" have been requested to respond to your request. They may contact you directly for clarification of your request details.

Station Code	Authority Name	Status
CAPREGN	ALBERTA CAPITAL REGION WASTEWATER COMMISSION (CAPREGN)	Notification Sent
AGNNEDMN	ATCOGAS, A DIVISION OF ATCOGAS AND PIPELINES LTD. (AGNNEDMN)	Notification Sent
TELECPTN	TELUS COMMUNICATIONS INC. (AB)	Notification Sent

END OF UTILITIES LIST

Request Utility Locates Online at www.BeforeYouDigPartners.com – 24 hours a day, 7 days a week

OneCallAccess - Powered by PelicanCorp



LEGEND Scale: 1:2050

Underground COPPER	FIBRE Distribution Hub	
Underground FIBRE	Pedestal	
Direct Buried COPPER	Copper Cross Connect	
Direct Buried FIBRE	Aerial / PCP RAP	
Aerial COPPER	FIBRE Cabinet	
Aerial FIBRE	MUX Cabinet	
Underground DUCT	Underground Facility Color	
Underground TRENCH	Direct Buried Facility Color	
Proposed Direct Buried COPPER	Premises Facility Color	
Proposed Underground	Purposed Facility Color	
Abandoned	Vault	
Temporary	Manhole	
Critical Cable	Splice Points	
Road	NAP Heatmap	
Property Line	Copper Load Coil	
Pole	Copper Repeater	
Protection		
Lot/Block/Plan		
Copper Sensor		

N

These plans must be read in conjunction with the other documents attached to this email

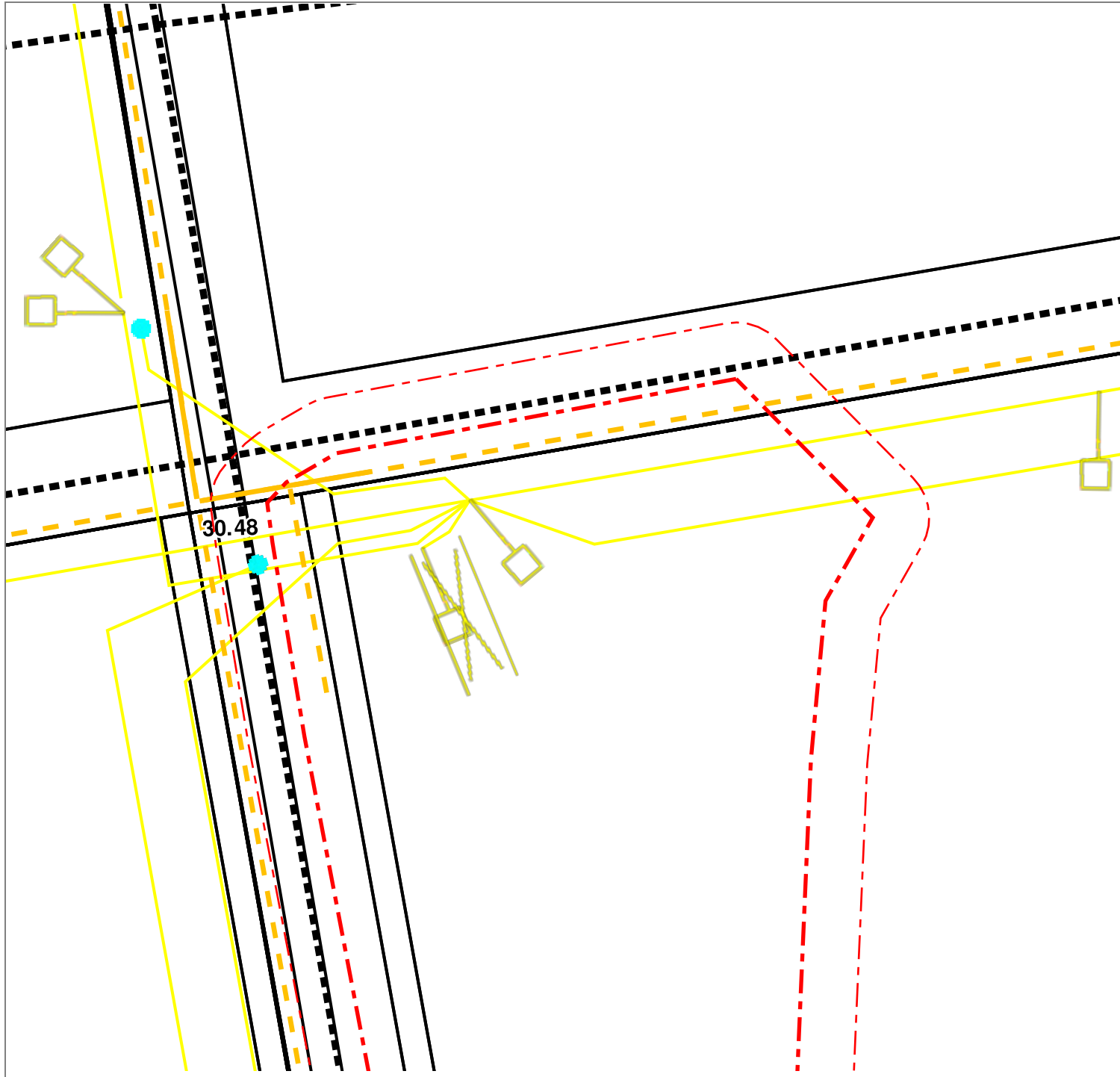
TELUS FACILITY MAPS: The maps supplied by TELUS show a general location of the buried TELUS facilities. These are NOT 'as-built' plans and only represent an approximate alignment. The depth of buried facilities is NOT provided.

If you have any questions or concerns regarding this response, please contact the Cable Locate Support Centre on locatesupport@telus.com

DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither TELUS or PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

This document has been prepared for reference purposes and may contain commercially sensitive information and is to be treated accordingly. No such information is to be shared with or passed onto other parties without written consent from TELUS Communications Inc.

13-7-53-26 W4



LEGEND

Scale: 1:1000

Underground COPPER	Underground FIBRE	Direct Buried COPPER	Direct Buried FIBRE	Aerial COPPER	Aerial FIBRE	Underground DUCT	Underground TRENCH	Proposed Direct Buried COPPER	Proposed Underground	Abandoned	Temporary	Critical Cable	Road	Property Line	Pole	Protection	FIBRE Distribution Hub	Pedestal	Copper Cross Connect	Aerial / PCP RAP	FIBRE Cabinet	MUX Cabinet	Underground Facility Color	Direct Buried Facility Color	Premises Facility Color	Purposed Facility Color	Vault	Manhole	Splice Points	NAP Heatmap	Copper Load Coil	Copper Repeater
[Solid Green Line]	[Dashed Green Line]	[Solid Yellow Line]	[Dashed Yellow Line]	[Solid Blue Line]	[Dashed Blue Line]	[Solid Orange Line]	[Dashed Orange Line]	[Dotted Yellow Line]	[Dotted Green Line]	[Solid Pink Line]	[Solid Brown Line]	[Red Soft Glow Box]	[Solid Black Line]	[Dashed Black Line]	[Circle with P]	[Triangle with A]	[Box with X]	[Box]	[Box with X]	[Box with X]	[Box]	[Box]	[Green Box]	[Yellow Box]	[Pink Box]	[Red Box]	[V Symbol]	[Manhole Symbol]	[Splice Points Symbol]	[NAP Heatmap Symbol]	[Copper Load Coil Symbol]	[Copper Repeater Symbol]



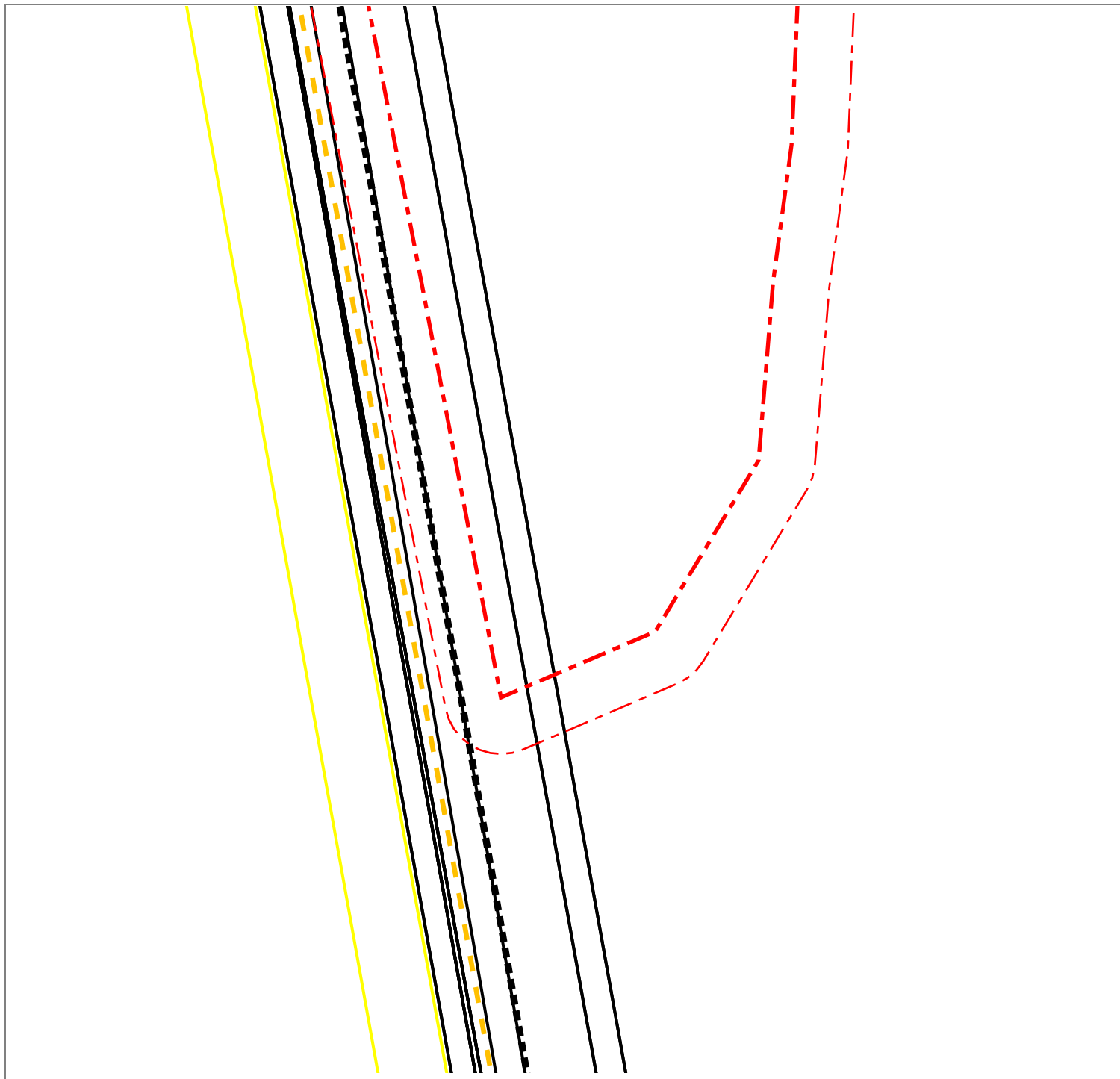
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LEGEND Scale: 1:1000

Underground COPPER	— (solid green)	FIBRE Distribution Hub	
Underground FIBRE	- - - (dashed green)	Pedestal	
Direct Buried COPPER	— (solid yellow)	Copper Cross Connect	
Direct Buried FIBRE	- - - (dashed yellow)	Aerial / PCP RAP	
Aerial COPPER	— (solid blue)	FIBRE Cabinet	
Aerial FIBRE	- - - (dashed blue)	MUX Cabinet	
Underground DUCT	— (solid orange)	Underground Facility Color	
Underground TRENCH	- - - (dashed orange)	Direct Buried Facility Color	
Proposed Direct Buried COPPER	- · - · - (dash-dot yellow)	Premises Facility Color	
Proposed Underground	- · - · - (dash-dot green)	Purposed Facility Color	
Abandoned	— (solid magenta)	Vault	
Temporary	— (solid brown)	Manhole	
Critical Cable	Soft Red Glow	Splice Points	
Road	— (solid black)	NAP Heatmap	
Property Line	— (dashed black)	Copper Load Coil	
Pole		Copper Repeater	
Protection			
Lot/Block/Plan	★		
Copper Sensor			

N



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Ticket No: 20240510133

Excavator Details

Caller Id: 698973
Contact: Sara Bence
Company: Tree Time Services Inc.

Phone: 780-914-6478
Mobile: 780-914-6478
Email: sara@treetime.ca

Dig Site and Ticket Details



[Open Map](#)

Project Forest Central

Land Grids: LLD

NW-07-53-26-W4

Latitude: 53.567235 **Longitude:** -113.831726

Ticket Status	Original
Ticket Type	Planning & Design
Previous Ticket No.	Not Supplied
User Reference	Central Wagner Natural Area Project Forest
Ticket Date	2024-02-02T13:29:17-07:00
Work Start Date	2025-06-03T01:00:00-06:00
Address	RURAL RURAL T7X 3L4
Nearest Cross Street	Not Supplied
Type of work	Landscaping
Activity	Trenching
Excavation Method	Reclaiming
Excavation Depth	0.3 to 1m
Public Property	Green Space
Private Property	None
Onsite Contact	Not Supplied
Onsite Phone	Not Supplied
Municipality	Not Supplied
Nearest Community	Not Supplied
Rural Subdivision	Not Supplied
Lot No.	
Block No.	
Plan No.	
ALP Option	No

Your Responsibilities

- Do not proceed with any excavation until all notified asset owners have responded by providing clearance, OR by identifying the location of their facilities with maps OR by placing locate marks on the ground.
- Pothole to establish the exact location of all underground assets using a hand shovel, before using heavy machinery.
- If you damage an underground asset you MUST advise the asset owner immediately.
- By using the Before You Dig Partners service, you agree to our privacy policy and the terms and conditions set out at on our web site.
- **For more information, visit www.BeforeYouDigPartners.com**

Utility Owner Details

The public utility owners listed below with a Status of "Notification Sent" have been requested to respond to your request. They may contact you directly for clarification of your request details.

Station Code	Authority Name	Status
AGNNEDMN	ATCOGAS, A DIVISION OF ATCOGAS AND PIPELINES LTD. (AGNNEDMN)	Notification Sent

END OF UTILITIES LIST

Request Utility Locates Online at www.BeforeYouDigPartners.com – 24 hours a day, 7 days a week

OneCallAccess - Powered by PelicanCorp



Ticket No: 20240510165

Excavator Details

Caller Id: 698973
Contact: Sara Bence
Company: Tree Time Services Inc.

Phone: 780-914-6478
Mobile: 780-914-6478
Email: sara@treetime.ca

Dig Site and Ticket Details



[Open Map](#)

Poplar/Bottom Willow

Land Grids: LLD

SE-07-53-26-W4

Latitude: 53.557508

Longitude: -113.820126

Ticket Status	Original
Ticket Type	Planning & Design
Previous Ticket No.	Not Supplied
User Reference	Poplar/Bottom Willow Wagner Natural Area P
Ticket Date	2024-02-02T13:39:50-07:00
Work Start Date	2025-06-03T01:00:00-06:00
Address	RURAL RURAL T7X 5A8
Nearest Cross Street	Not Supplied
Type of work	Landscaping
Activity	Trenching
Excavation Method	Reclaiming
Excavation Depth	0.3 to 1m
Public Property	Green Space
Private Property	None
Onsite Contact	Not Supplied
Onsite Phone	Not Supplied
Municipality	Not Supplied
Nearest Community	Not Supplied
Rural Subdivision	Not Supplied
Lot No.	
Block No.	
Plan No.	
ALP Option	No

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Utility Owner Details

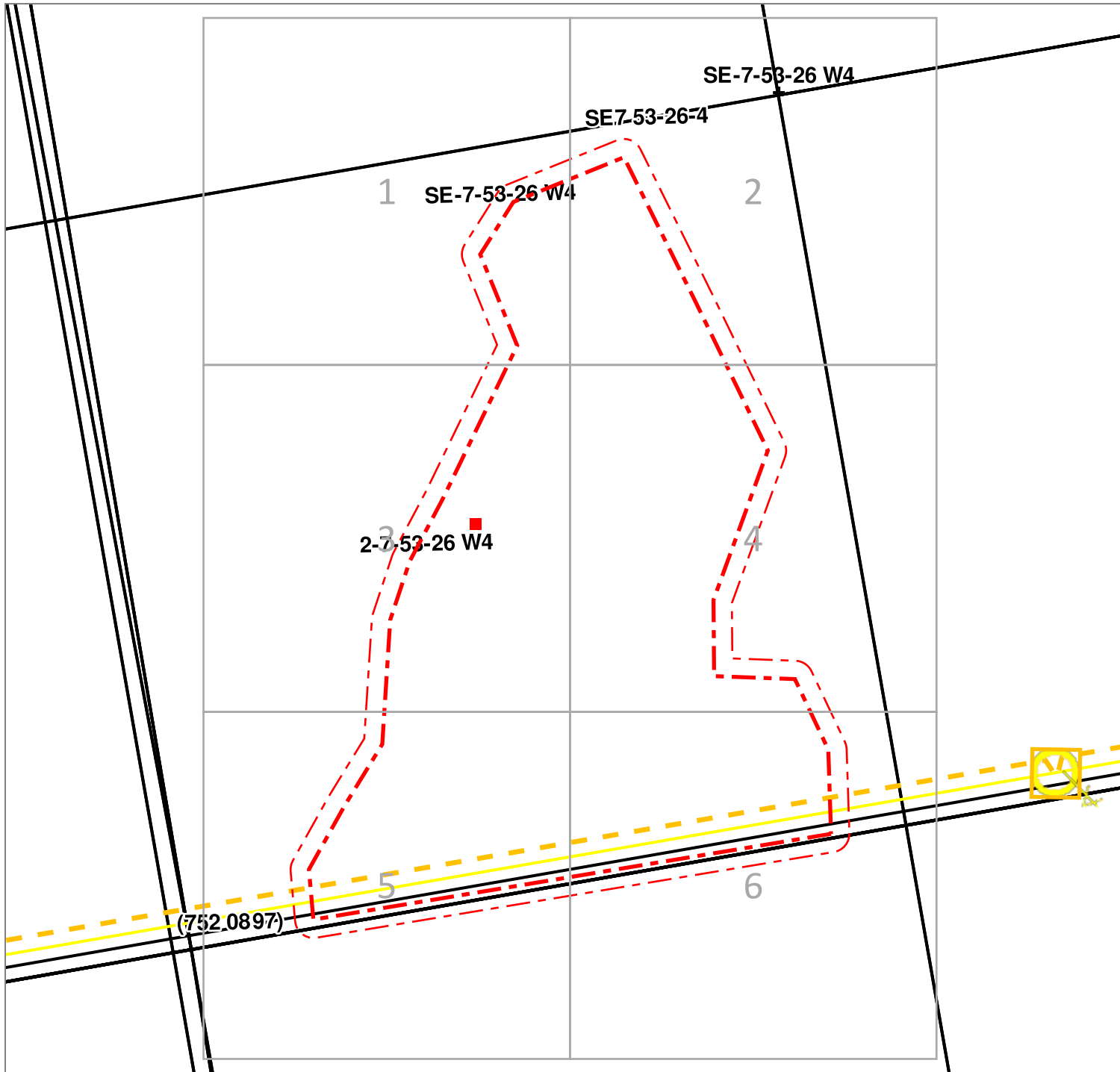
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END OF UTILITIES LIST

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OneCallAccess - Powered by PelicanCorp



LEGEND

Scale: 1:3075

Underground COPPER		FIBRE Distribution Hub	
Underground FIBRE		Pedestal	
Direct Buried COPPER		Copper Cross Connect	
Direct Buried FIBRE		Aerial / PCP RAP	
Aerial COPPER		FIBRE Cabinet	
Aerial FIBRE		MUX Cabinet	
Underground DUCT		Underground Facility Color	
Underground TRENCH		Direct Buried Facility Color	
Proposed Direct Buried COPPER		Premises Facility Color	
Proposed Underground		Purposed Facility Color	
Abandoned		Vault	
Temporary		Manhole	
Critical Cable		Splice Points	
Road		NAP Heatmap	
Property Line		Copper Load Coil	
Pole	Lot/Block/Plan	Copper Repeater	
Protection	Copper Sensor		



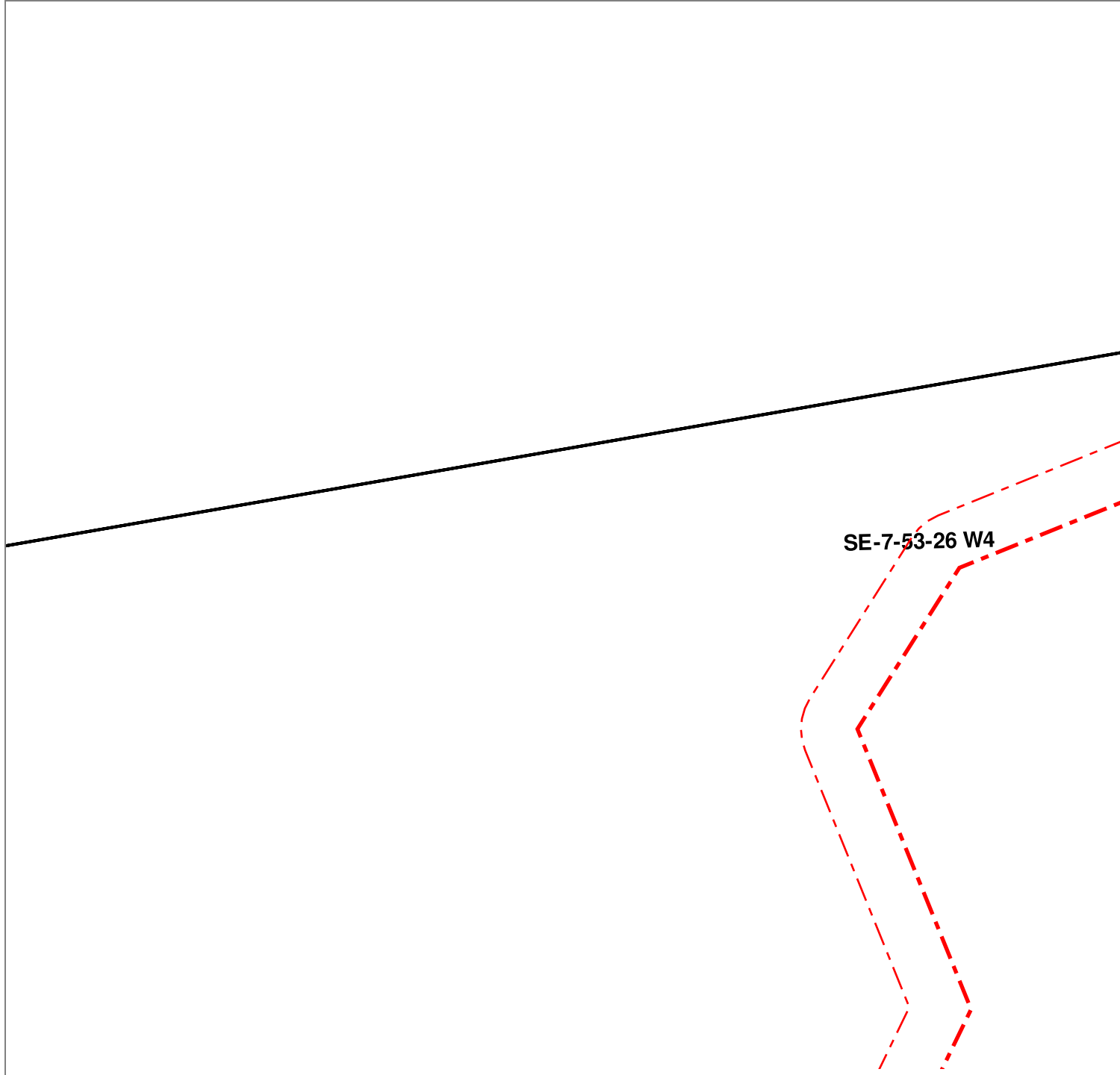
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LEGEND Scale: 1:1000

Underground COPPER	-----	FIBRE Distribution Hub	
Underground FIBRE	-----	Pedestal	
Direct Buried COPPER	-----	Copper Cross Connect	
Direct Buried FIBRE	-----	Aerial / PCP RAP	
Aerial COPPER	-----	FIBRE Cabinet	
Aerial FIBRE	-----	MUX Cabinet	
Underground DUCT	-----	Underground Facility Color	
Underground TRENCH	-----	Direct Buried Facility Color	
Proposed Direct Buried COPPER	-----	Premises Facility Color	
Proposed Underground	-----	Purposed Facility Color	
Abandoned	-----	Vault	
Temporary	-----	Manhole	
Critical Cable	Soft Red Glow	Splice Points	
Road	-----	NAP Heatmap	
Property Line	-----	Copper Load Coil	
Pole		Copper Repeater	
Protection			
Lot/Block/Plan	★		
Copper Sensor			



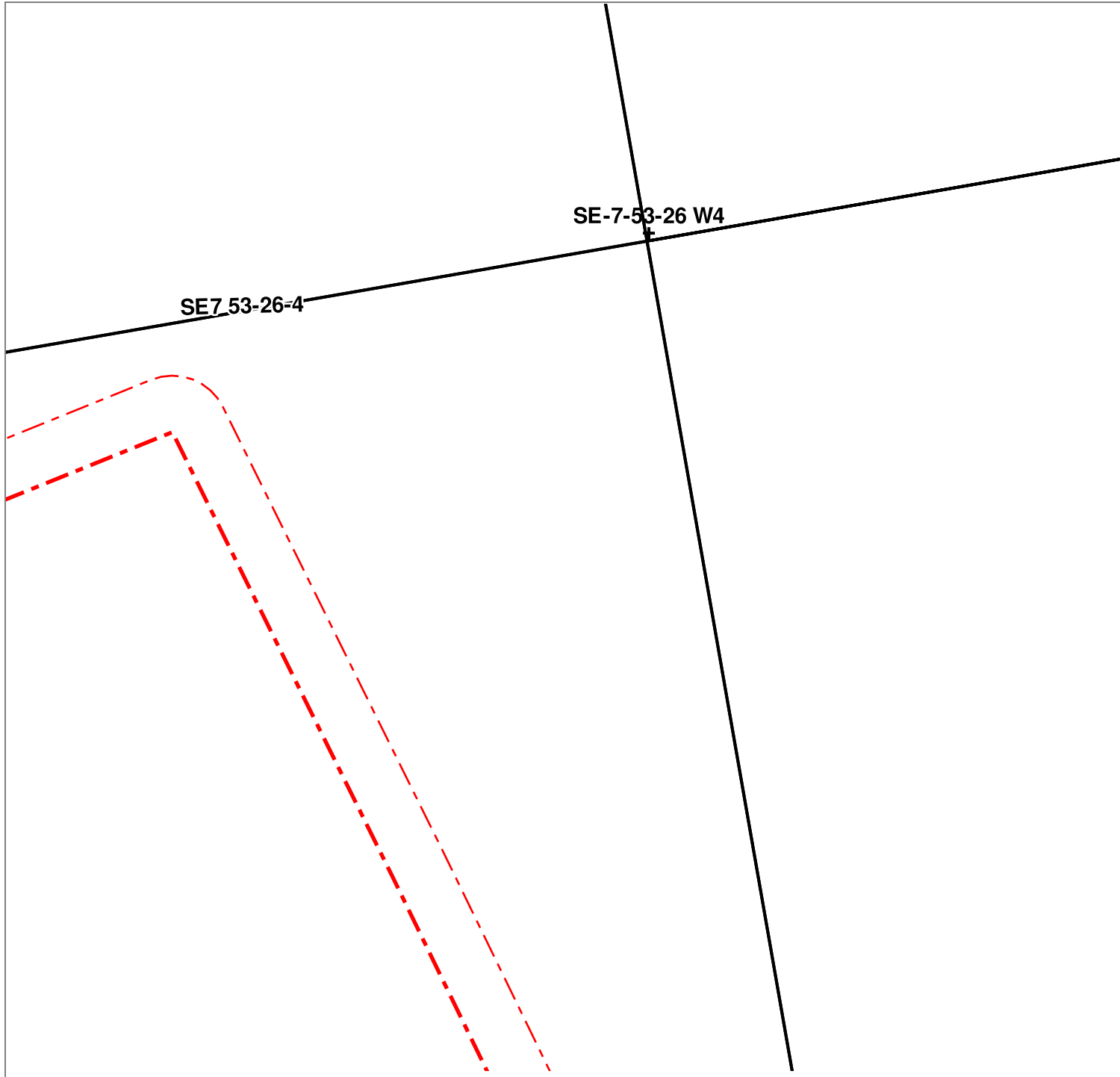
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LEGEND Scale: 1:1000

Underground COPPER	Underground FIBRE	Direct Buried COPPER	Direct Buried FIBRE	Aerial COPPER	Aerial FIBRE	Underground DUCT	Underground TRENCH	Proposed Direct Buried COPPER	Proposed Underground	Abandoned	Temporary	Critical Cable	Road	Property Line	Pole	Protection	Lot/Block/Plan	Copper Sensor
FIBRE Distribution Hub	Pedestal	Copper Cross Connect	Aerial / PCP RAP	FIBRE Cabinet	MUX Cabinet	Underground Facility Color	Direct Buried Facility Color	Premises Facility Color	Purposed Facility Color	Vault	Manhole	Splice Points	NAP Heatmap	Copper Load Coil	Copper Repeater			



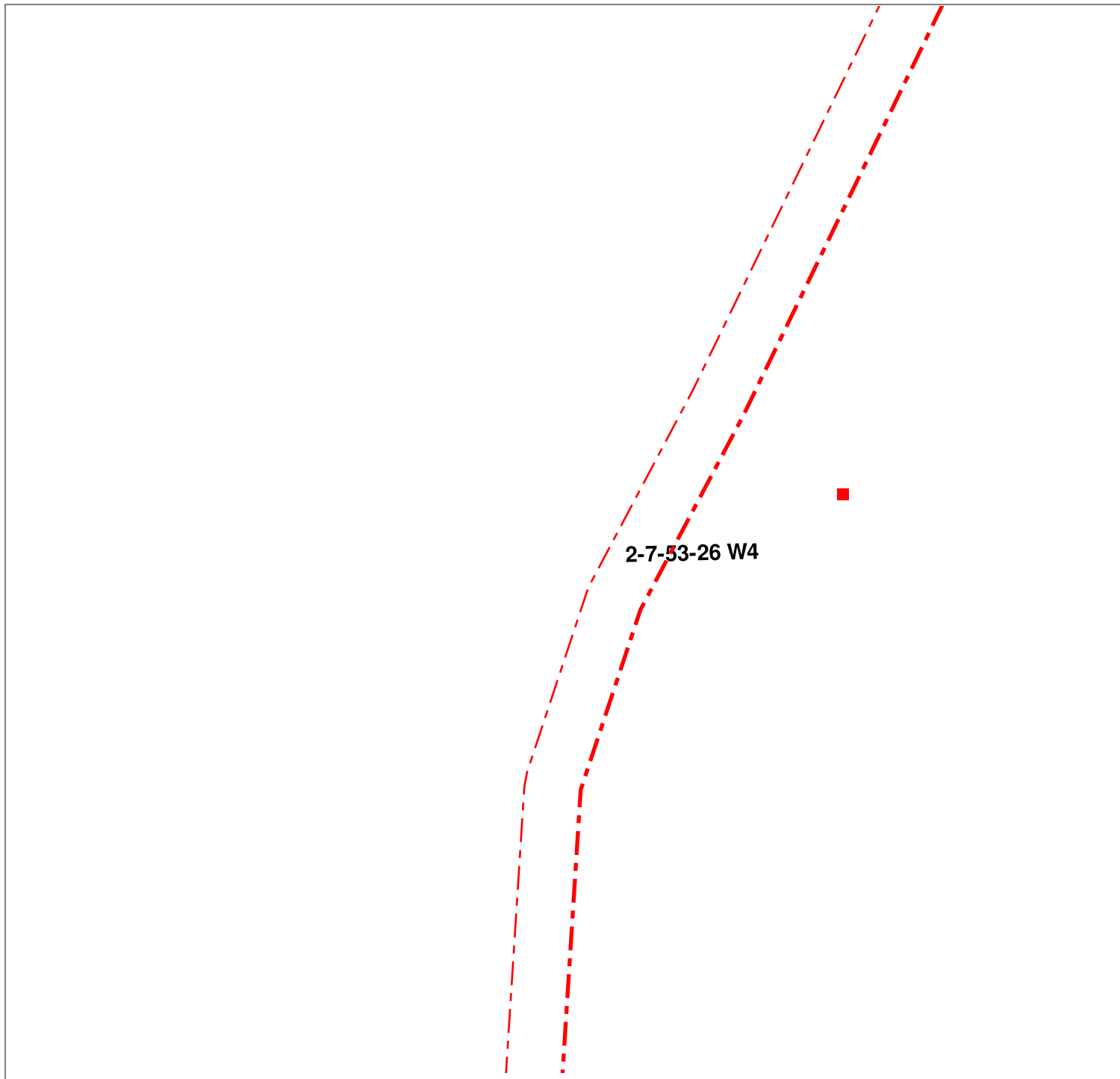
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LEGEND

Scale: 1:1000

Underground COPPER	Underground FIBRE	Direct Buried COPPER	Direct Buried FIBRE	Aerial COPPER	Aerial FIBRE	Underground DUCT	Underground TRENCH	Proposed Direct Buried COPPER	Proposed Underground	Abandoned	Temporary	Critical Cable	Road	Property Line	Pole	Protection	Lot/Block/Plan	Copper Sensor
FIBRE Distribution Hub	Pedestal	Copper Cross Connect	Aerial / PCP RAP	FIBRE Cabinet	MUX Cabinet	Underground Facility Color	Direct Buried Facility Color	Premises Facility Color	Purposed Facility Color	Vault	Manhole	Splice Points	NAP Heatmap	Copper Load Coil	Copper Repeater			



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Underground COPPER	Underground FIBRE	Direct Buried COPPER	Direct Buried FIBRE	Aerial COPPER	Aerial FIBRE	Underground DUCT	Underground TRENCH	Proposed Direct Buried COPPER	Proposed Underground	Abandoned	Temporary	Critical Cable	Road	Property Line	Pole	Protection	Lot/Block/Plan	Copper Sensor
FIBRE Distribution Hub	Pedestal	Copper Cross Connect	Aerial / PCP RAP	FIBRE Cabinet	MUX Cabinet	Underground Facility Color	Direct Buried Facility Color	Premises Facility Color	Purposed Facility Color	Vault	Manhole	Splice Points	NAP Heatmap	Copper Load Coil	Copper Repeater			



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LEGEND

Scale: 1:1000

Underground COPPER		FIBRE Distribution Hub	
Underground FIBRE		Pedestal	
Direct Buried COPPER		Copper Cross Connect	
Direct Buried FIBRE		Aerial / PCP RAP	
Aerial COPPER		FIBRE Cabinet	
Aerial FIBRE		MUX Cabinet	
Underground DUCT		Underground Facility Color	
Underground TRENCH		Direct Buried Facility Color	
Proposed Direct Buried COPPER		Premises Facility Color	
Proposed Underground		Purposed Facility Color	
Abandoned		Vault	
Temporary		Manhole	
Critical Cable		Splice Points	
Road		NAP Heatmap	
Property Line		Copper Load Coil	
Pole	Lot/Block/Plan	Copper Repeater	
Protection	Copper Sensor		



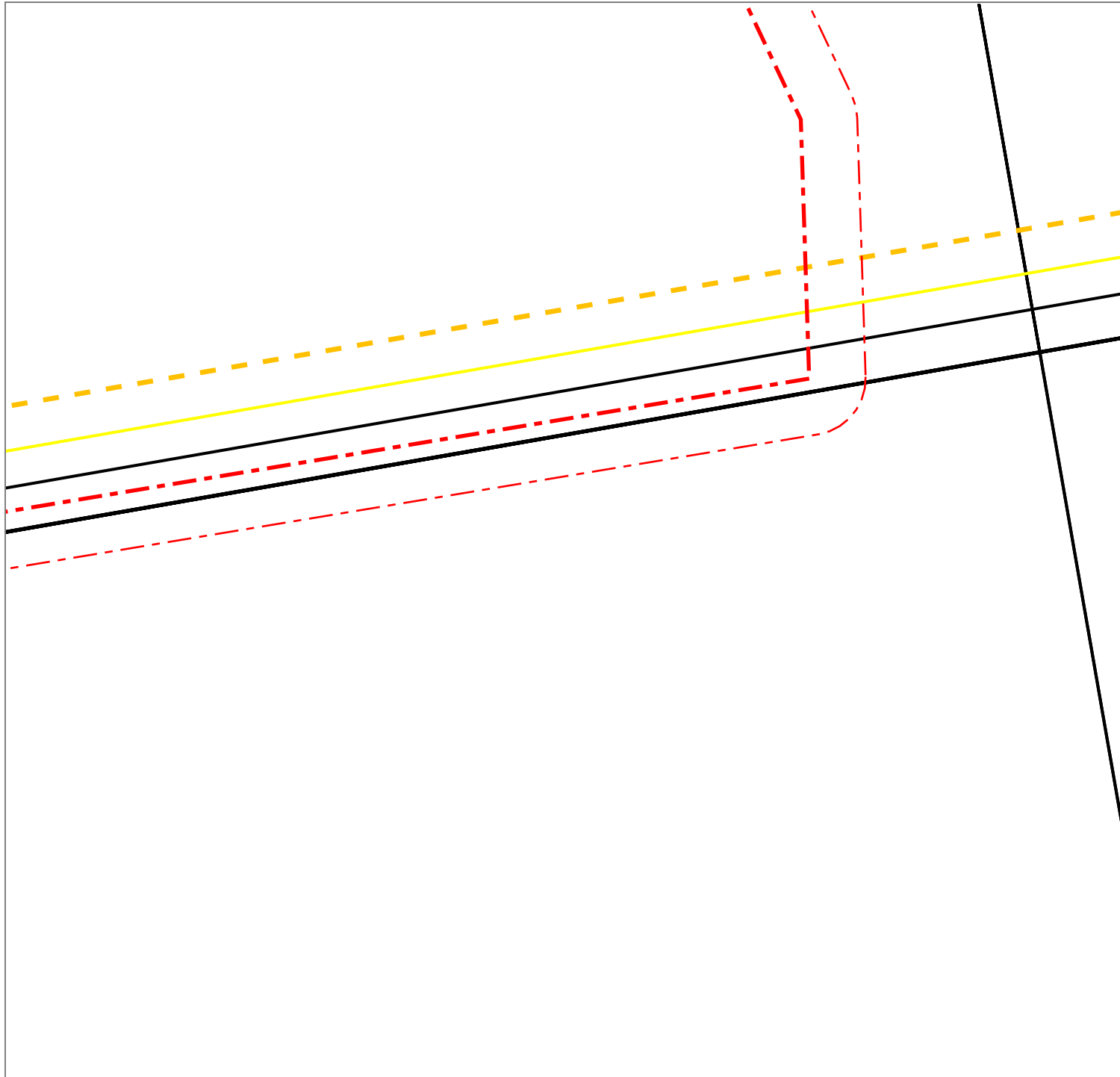
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LEGEND

Scale: 1:1000

Underground COPPER	—	FIBRE Distribution Hub	
Underground FIBRE	- - -	Pedestal	
Direct Buried COPPER	—	Copper Cross Connect	
Direct Buried FIBRE	- - -	Aerial / PCP RAP	
Aerial COPPER	—	FIBRE Cabinet	
Aerial FIBRE	- - -	MUX Cabinet	
Underground DUCT	—	Underground Facility Color	
Underground TRENCH	- - -	Direct Buried Facility Color	
Proposed Direct Buried COPPER	- . .	Premises Facility Color	
Proposed Underground	- . .	Purposed Facility Color	
Abandoned	—	Vault	
Temporary	—	Manhole	
Critical Cable	Soft Red Glow	Splice Points	
Road	—	NAP Heatmap	
Property Line	—	Copper Load Coil	
Pole		Copper Repeater	
Protection			
Lot/Block/Plan	★		
Copper Sensor			



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Ticket No: 20240510173

Excavator Details

Caller Id: 698973
Contact: Sara Bence
Company: Tree Time Services Inc.

Phone: 780-914-6478
Mobile: 780-914-6478
Email: sara@treetime.ca

Dig Site and Ticket Details



[Open Map](#)

Little

Land Grids: LLD

SE-07-53-26-W4

Latitude: 53.555856

Longitude: -113.816144

Ticket Status	Original
Ticket Type	Planning & Design
Previous Ticket No.	Not Supplied
User Reference	Little Wagner Natural Area Project Forest
Ticket Date	2024-02-02T13:42:31-07:00
Work Start Date	2025-06-03T01:00:00-06:00
Address	RURAL RURAL T7X 5A8
Nearest Cross Street	Not Supplied
Type of work	Landscaping
Activity	Trenching
Excavation Method	Reclaiming
Excavation Depth	0.3 to 1m
Public Property	Green Space
Private Property	None
Onsite Contact	Not Supplied
Onsite Phone	Not Supplied
Municipality	Not Supplied
Nearest Community	Not Supplied
Rural Subdivision	Not Supplied
Lot No.	
Block No.	
Plan No.	
ALP Option	No

Your Responsibilities

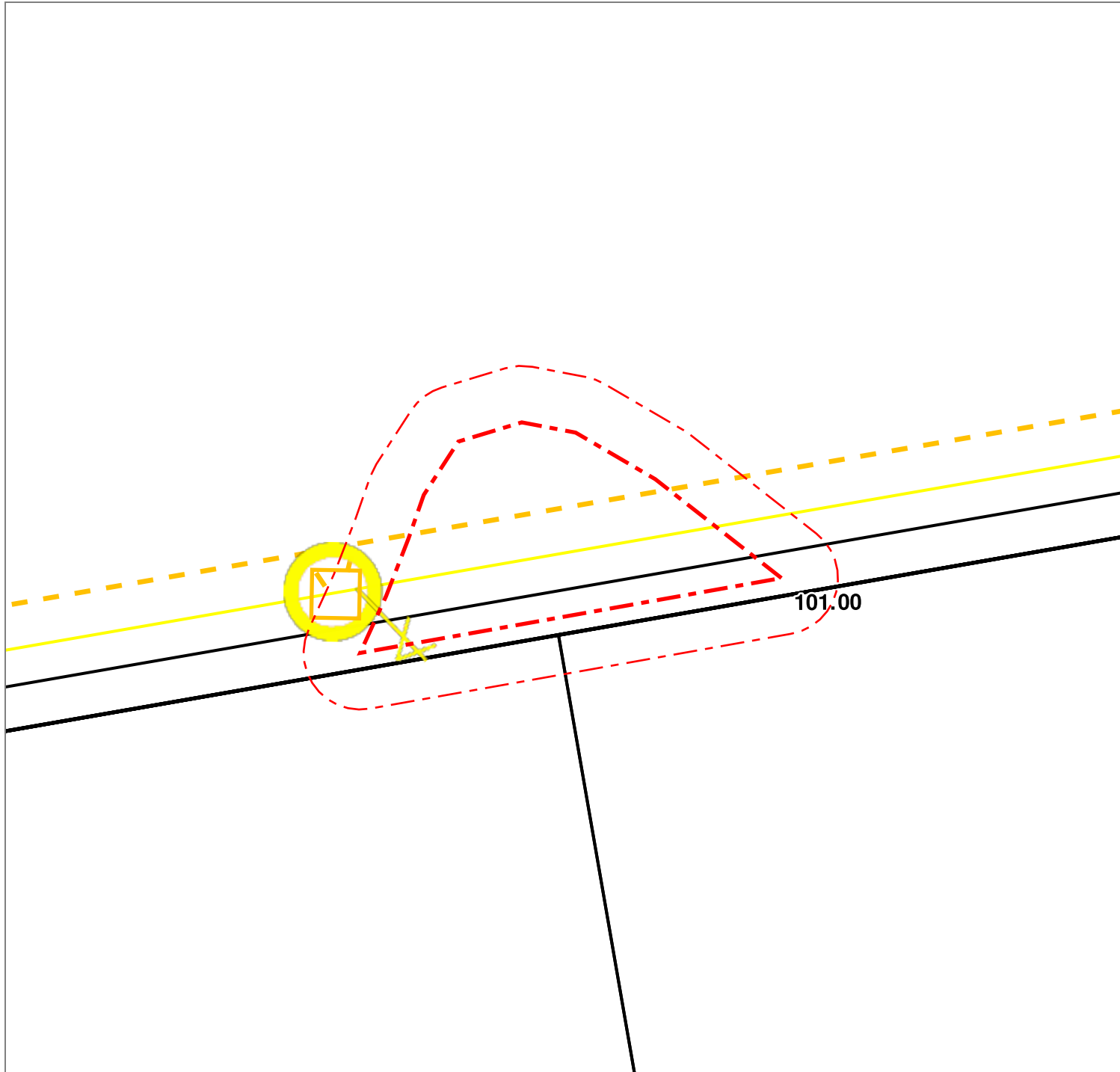
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TELECPTN	TELUS COMMUNICATIONS INC. (AB)	Notification Sent

END OF UTILITIES LIST



LEGEND

Scale: 1:1000

Underground COPPER	-----	FIBRE Distribution Hub	
Underground FIBRE	-----	Pedestal	
Direct Buried COPPER	-----	Copper Cross Connect	
Direct Buried FIBRE	-----	Aerial / PCP RAP	
Aerial COPPER	-----	FIBRE Cabinet	
Aerial FIBRE	-----	MUX Cabinet	
Underground DUCT	-----	Underground Facility Color	
Underground TRENCH	-----	Direct Buried Facility Color	
Proposed Direct Buried COPPER	-----	Premises Facility Color	
Proposed Underground	-----	Purposed Facility Color	
Abandoned	-----	Vault	
Temporary	-----	Manhole	
Critical Cable	Soft Red Glow	Splice Points	
Road	-----	NAP Heatmap	
Property Line	-----	Copper Load Coil	
Pole		Copper Repeater	
Protection			
Lot/Block/Plan			
Copper Sensor			



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Ticket No: 20240510181

Excavator Details

Caller Id: 698973
Contact: Sara Bence
Company: Tree Time Services Inc.

Phone: 780-914-6478
Mobile: 780-914-6478
Email: sara@treetime.ca

Dig Site and Ticket Details



[Open Map](#)

Osbourne

Land Grids: LLD

SE-07-53-26-W4

Latitude: 53.556906

Longitude: -113.813183

Ticket Status	Original
Ticket Type	Planning & Design
Previous Ticket No.	Not Supplied
User Reference	Not Supplied
Ticket Date	2024-02-02T13:45:24-07:00
Work Start Date	2025-06-03T01:00:00-06:00
Address	RURAL RURAL T7X 5A5
Nearest Cross Street	Not Supplied
Type of work	Landscaping
Activity	Trenching
Excavation Method	Reclaiming
Excavation Depth	0.3 to 1m
Public Property	Green Space
Private Property	None
Onsite Contact	Not Supplied
Onsite Phone	Not Supplied
Municipality	Not Supplied
Nearest Community	Not Supplied
Rural Subdivision	Not Supplied
Lot No.	
Block No.	
Plan No.	
ALP Option	No

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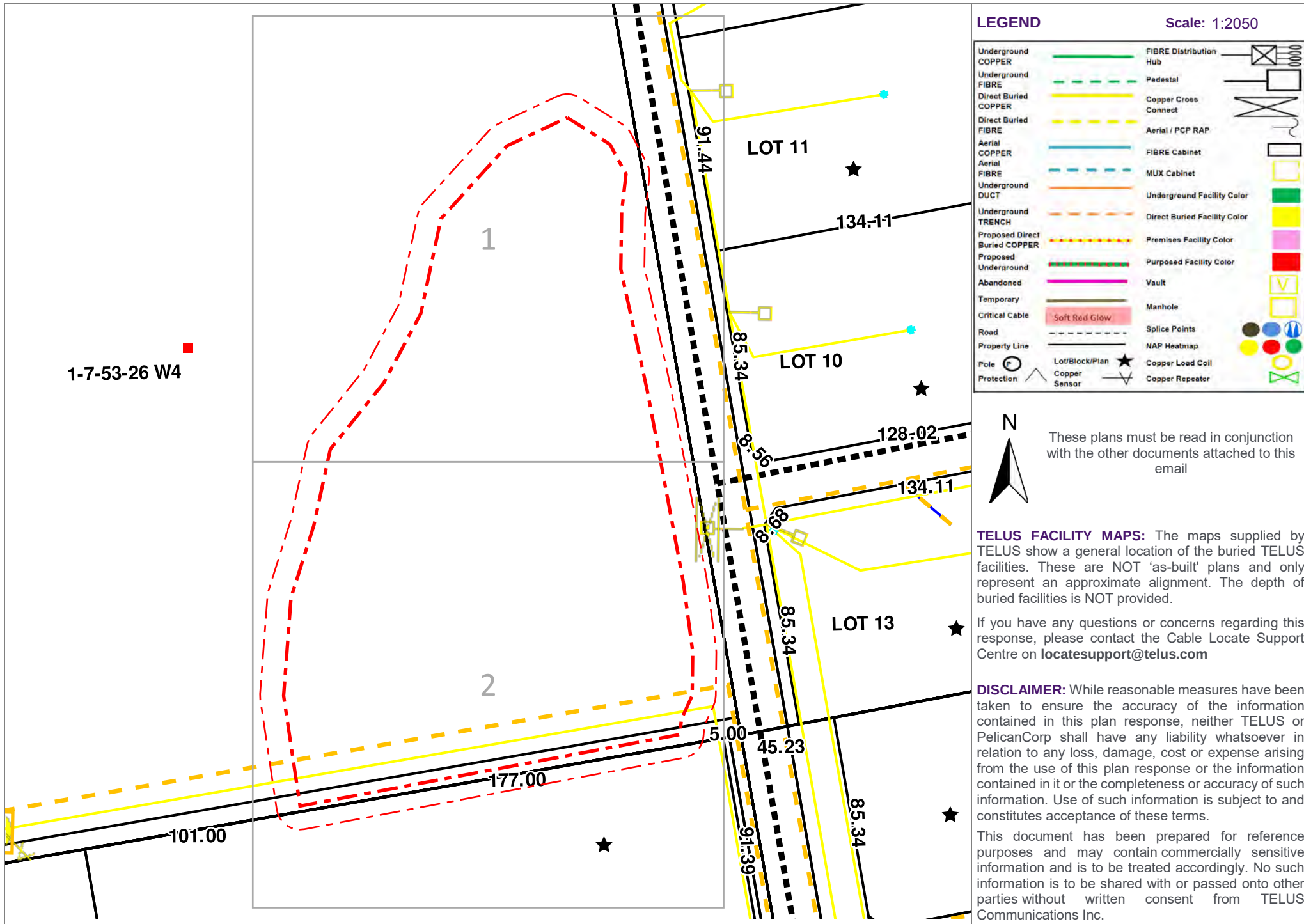
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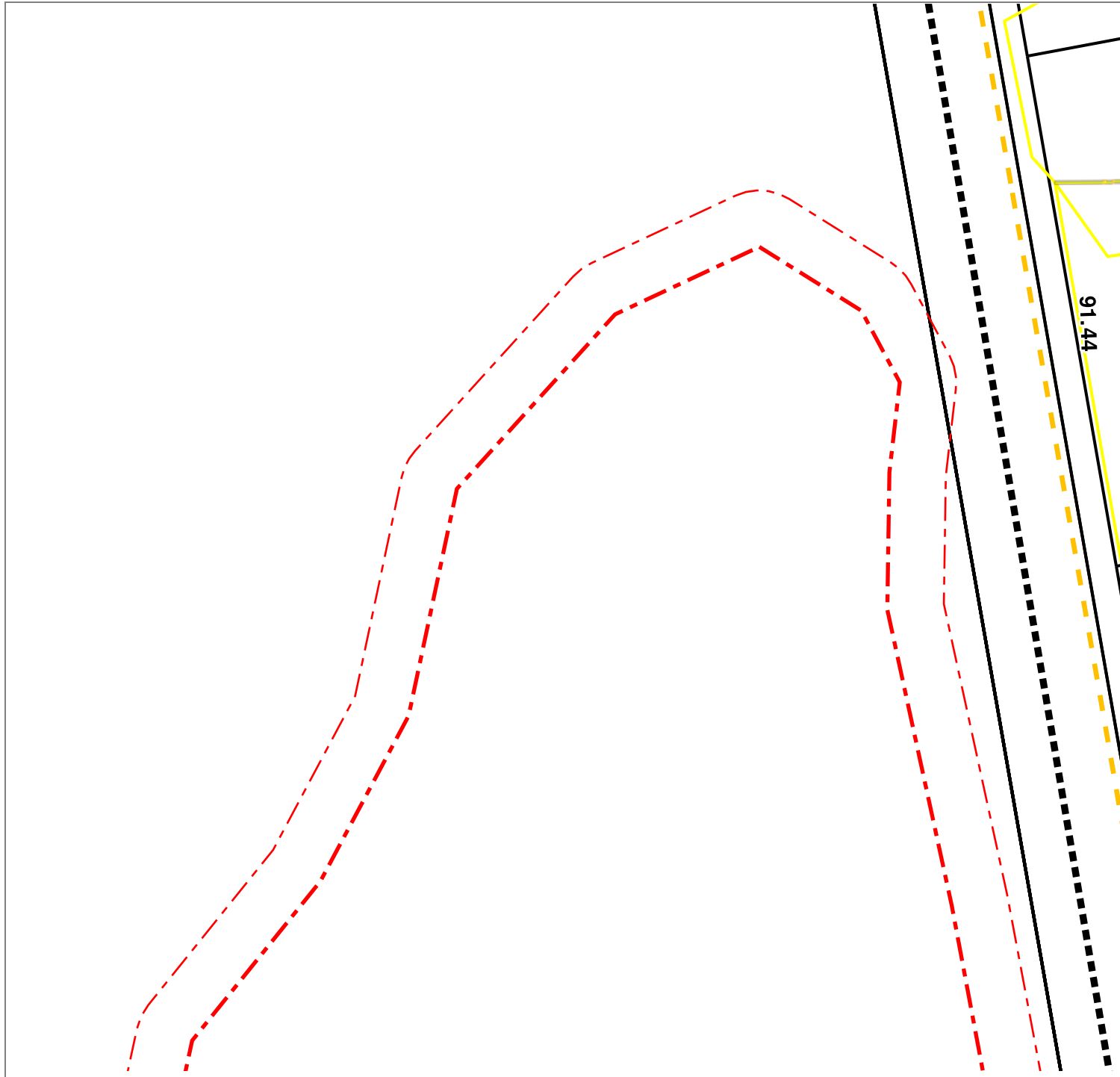
Station Code	Authority Name	Status
AGNNEDMN	ATCOGAS, A DIVISION OF ATCOGAS AND PIPELINES LTD. (AGNNEDMN)	Notification Sent
FTAA1C37	FORTISALBERTA (FTAA1C37)	Notification Sent
TELECPTN	TELUS COMMUNICATIONS INC. (AB)	Notification Sent

END OF UTILITIES LIST

Request Utility Locates Online at www.BeforeYouDigPartners.com – 24 hours a day, 7 days a week

OneCallAccess - Powered by PelicanCorp





LEGEND

Scale: 1:1000

Underground COPPER		FIBRE Distribution Hub	
Underground FIBRE		Pedestal	
Direct Buried COPPER		Copper Cross Connect	
Direct Buried FIBRE		Aerial / PCP RAP	
Aerial COPPER		FIBRE Cabinet	
Aerial FIBRE		MUX Cabinet	
Underground DUCT		Underground Facility Color	
Underground TRENCH		Direct Buried Facility Color	
Proposed Direct Buried COPPER		Premises Facility Color	
Proposed Underground		Purposed Facility Color	
Abandoned		Vault	
Temporary		Manhole	
Critical Cable		Splice Points	
Road		NAP Heatmap	
Property Line		Copper Load Coil	
Pole		Copper Repeater	
Protection			
Lot/Block/Plan			
Copper Sensor			



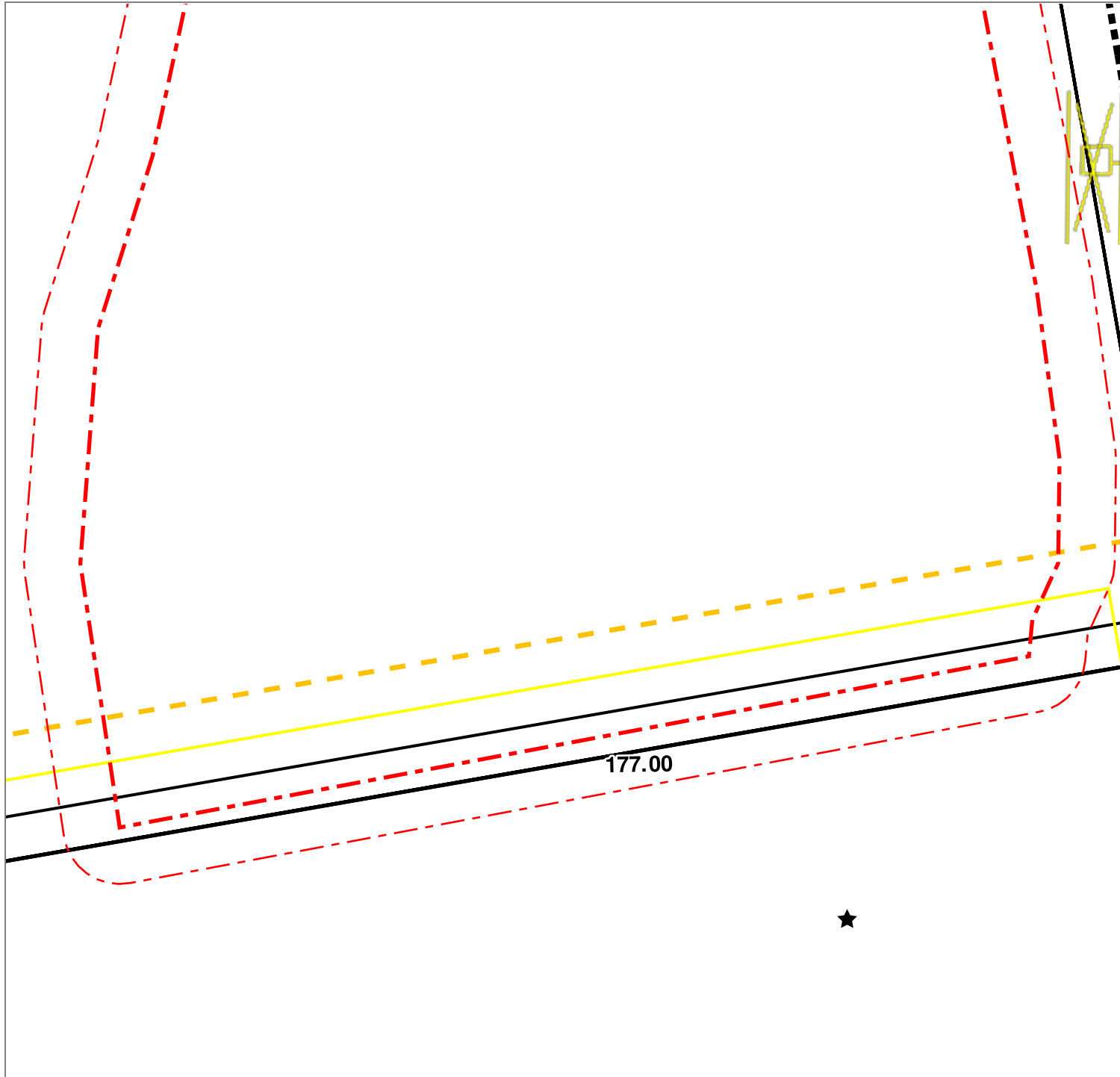
These plans must be read in conjunction with the other documents attached to this email

TELUS FACILITY MAPS: The maps supplied by TELUS show a general location of the buried TELUS facilities. These are NOT 'as-built' plans and only represent an approximate alignment. The depth of buried facilities is NOT provided.

If you have any questions or concerns regarding this response, please contact the Cable Locate Support Centre on locatesupport@telus.com

DISCLAIMER: While reasonable measures have been taken to ensure the accuracy of the information contained in this plan response, neither TELUS or PelicanCorp shall have any liability whatsoever in relation to any loss, damage, cost or expense arising from the use of this plan response or the information contained in it or the completeness or accuracy of such information. Use of such information is subject to and constitutes acceptance of these terms.

This document has been prepared for reference purposes and may contain commercially sensitive information and is to be treated accordingly. No such information is to be shared with or passed onto other parties without written consent from TELUS Communications Inc.



LEGEND

Scale: 1:1000

Underground COPPER	Underground FIBRE	Direct Buried COPPER	Direct Buried FIBRE	Aerial COPPER	Aerial FIBRE	Underground DUCT	Underground TRENCH	Proposed Direct Buried COPPER	Proposed Underground	Abandoned	Temporary	Critical Cable	Road	Property Line	Pole	Protection	FIBRE Distribution Hub	Pedestal	Copper Cross Connect	Aerial / PCP RAP	FIBRE Cabinet	MUX Cabinet	Underground Facility Color	Direct Buried Facility Color	Premises Facility Color	Purposed Facility Color	Vault	Manhole	Splice Points	NAP Heatmap	Copper Load Coil	Copper Repeater
[Solid Green Line]	[Dashed Green Line]	[Solid Yellow Line]	[Dashed Yellow Line]	[Solid Blue Line]	[Dashed Blue Line]	[Solid Orange Line]	[Dashed Orange Line]	[Dashed Yellow Line]	[Dashed Green Line]	[Solid Pink Line]	[Solid Brown Line]	[Solid Red Line]	[Solid Black Line]	[Solid Black Line]	[Solid Black Line]	[Solid Black Line]	[Solid Black Line]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]



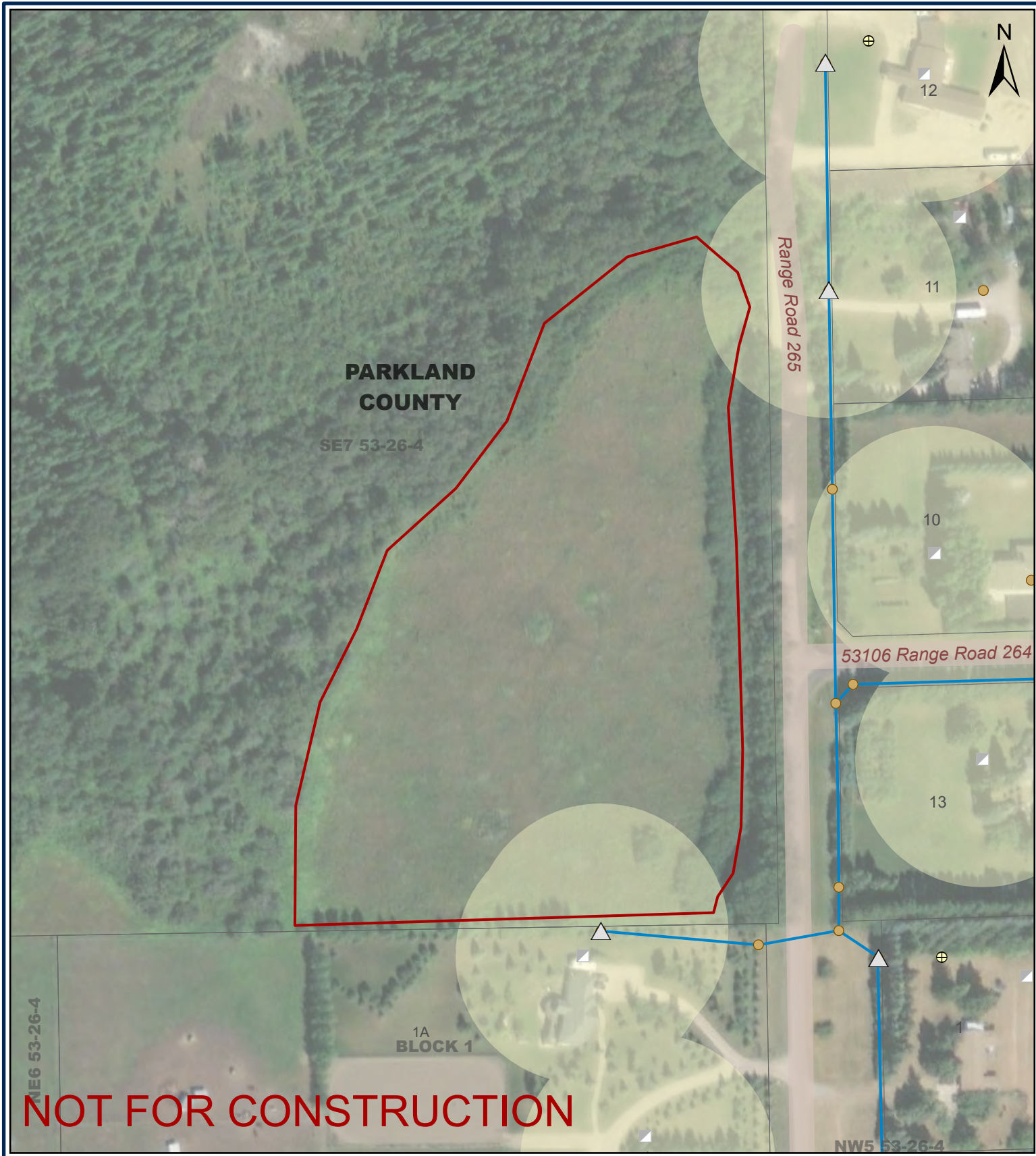
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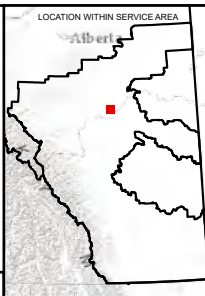


- Facilities**
- Transformer
 - Streetlight
 - Pole
 - Secondary Meter

Primary Conductor

Overhead

- Base Data**
- Road
 - Cadastral
 - United Safety Partners
 - Dig Site



1:2,000

0 10 20 30 40 50 m

Fortis10TM, Transverse Mercator, NAD83

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PLANNING & DESIGN PRINT

USP Ticket Number

20240510181

Date Printed: 2/2/2024 1:48 PM

A valid USP Ticket Request must be submitted prior to ground disturbance.

Original Page Size: Portrait (8.5" x 11")