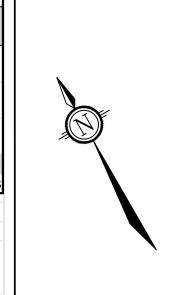


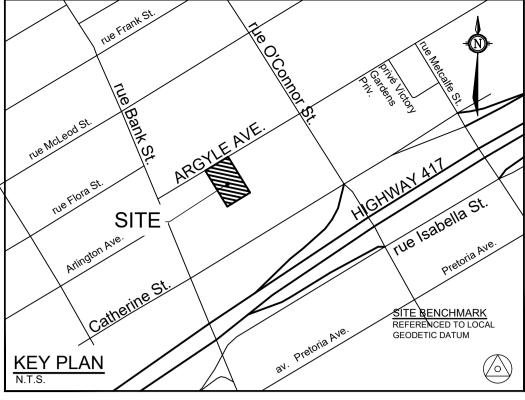
EXISTING TREE CANOPY COVER:

| EXISTING | CANOPY COVERA | AGE - As surveyed in | vear 2024 | |
|-----------------------------------|---------------|-----------------------|-----------|---------------|
| | | CANOPY COVERAGE PER | | TOTAL CANOPY |
| | SPREAD | TREE AT MATURITY (m2) | TREES | COVERAGE (m2) |
| Existing Large Deciduous trees | | | | |
| (tree #1, #7, #8) | 10m | 79 | 3 | 237 |
| Existing Small Deciduous trees | | | | |
| (tree #6) | 4.5m | 16 | 1 | 16 |
| Existing Coniferous trees on site | | | | |
| (tree#3) | 5m | 20 | 1 | 20 |
| | | • | | |

TOTAL EXISTING CANOPY COVERAGE RETAINED (m2):

2. Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π 3. Canopy calculations do not include Trees 2, 4, 5, and 9 because they are on the neighbouring site. Tree 1 and 3 are included because they are close to the property line of the subject site, and/or will be impacted by the proposed





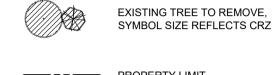
LEGEND

NORTH

DETAIL SHEET #_ NOVATECH OR CITY
EG. L1, L2, ETC. DETAIL NUMBER SEE LIST
FOR CODE



SYMBOL SIZE REFLECTS CRZ



PROPERTY LIMIT

REFER TO THE TREE PROTECTION

NOTES, FOUND ON THE PLANS

PRIOR TO ANY WORK ACTIVITY THE PLAN AND THE INSTALLED

FENCE MUST BE APPROVED BY CITY FORESTRY STAFF.

TREE PROTECTION FENCE SHALL

ZONE (CRZ = DBH x 10). SEE PLAN

TREE PROTECTION TO REMAIN IN

GOOD CONDITION UNTIL THE SOD/

SEED IS STARTED; REMOVE FENCE

TREE PROTECTION SIGNAGE AS

MUST BE CONSTRUCTED OF RIGID OR FRAMED MATERIALS. eg.

TREE PROTECTION FENCING

POSTS SHALL BE MAX. 2.4m APART, AND POSTS SHALL BE SECURED TO PREVENT ALTERATIONS TO THE FENCE

ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMIZE DAMAGE TO

D4

- MODULOC - STEEL, - PLYWOOD HOARDING, OR SNOW FENCE ON 2x4" FRAME.

PLACE AND BE MAINTAINED IN

BE ERECTED TO PROTECT AND

ENCLOSE THE CRITICAL ROOT

AND/ OR REPORT.

FOR LOCATION.

AT THIS TIME.

LOCATION.

EXISTING ROOTS

AT BASE OF TRUNK

PER CITY STANDARD



CRITICAL ROOT ZONE

EXISTING BUILDING

TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

- 1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
- 2. Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence
- 3. Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.
- 4. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
- 5. Do not attach any signs, notices, or posters to any tree. 6. Do not disturb, raise, or lower the existing grade within the CRZ without approval.
- 7. Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.
- 8. Do not damage the root system, trunk, or branches, or any
- 9. Do not extend hard surface or significantly change landscaping.
- 10. Ensure that exhaust fumes from all equipment are directed
- away from any tree canopy. When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the
- ground within the CRZ. Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection,
- Excavation of Root Zone. 3. If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown.
- Set up a water and fertilizing program, if trees are being affected by site works, to the satisfaction of the Landscape
- 15. The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures
- City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

prior to fence movement.

EXISTING TREE INVENTORY:

TREE PROTECTION FENCE

SOIL AND ROOT DISTURBANCE NOT PERMITTED

RELATED BY-LAWS:

CRITICAL ROOT ZONE

TREE PROTECTION BY-LAW (No. 2020-340)

| No. | Botanical Name | Common Name | DBH (cm) | CRZ (m) | Condition | Owner | Remarks | Recomm. |
|-----|------------------|-----------------|----------|---------|-----------|---------------------------|---|----------|
| 1 | Acer platanoides | Norway Maple | 30.0 | 3.00 | F | City | Girdling roots, mechanical damage | Conflict |
| 2 | Acer rubrum | Red Maple | 10.0 | 1.00 | G | City | replacement tree in ROW, healthy | PROTECT |
| 3 | Picea glauca | White Spruce | 30.0 | 3.00 | G | Private on adjoining site | | Conflict |
| 4 | Picea pungens | Colorado Spruce | 27.0 | 2.70 | G | Private on adjoining site | | PROTECT |
| 5 | Picea glauca | White Spruce | 17.0 | 1.70 | G | Private on adjoining site | | PROTECT |
| 6 | Magnolia | Magnolia | 15.0 | 1.50 | Р | Client | Multistem, multiple cracks upto the base | Conflict |
| 7 | Acer rubrum | Red Maple | 60.0 | 6.00 | Р | Client | Girdling roots, scars | Conflict |
| 8 | Acer saccharum | Sugar Maple | 40.0 | 4.00 | VP | Client | Girdling roots, major limbs lost, leaning | Conflict |
| 9 | Acer saccharum | Sugar Maple | 35.0 | 3.50 | G | Private on adjoining site | | PROTECT |

| | | | | | | adjoining one | | |
|-----|-----------|----------|-------------|---------------|----------------|---------------------|-------|--|
| | | | | | | | | |
| Leg | end | | | | | | | |
| G | Good | Conflict | Remove du | ue to conflic | t with const | ruction. | | |
| F | Fair | Remove | Remove du | ue to tree he | ealth or invas | sive status. | | |
| Р | Poor | PROTECT | Protect tre | es as per c | ontract deta | ils and specificati | ions. | |
| VP | Very Poor | | | | | | | |

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR

DAMAGE TO THEM.

CONSTRUCTION

| I | | | | | SCALE | DESIGN | |
|---|-----|-------------------------------|------------|-----|------------------|----------|---|
| I | | | | | | TCI | 3 |
| I | | | | | 4.450 | CHECKED | |
| t | | | | | 1:150 | RG | J |
| ŀ | | | | | | DRAWN | |
| ŀ | | | | | | TCI | 3 |
| L | | | | | | CHECKED | |
| L | 2. | ISSUED FOR PHASE 3 PRECONSULT | SEPT 09/24 | RGJ | 1:150 0 2 4 6 | RG | J |
| | 1. | ISSUED FOR PHASE 2 PRECONSULT | APR 29/24 | RGJ | | APPROVED | 1 |
| | No. | REVISION | DATE | BY | | RG | J |



FOR REVIEW ONLY

Suite 200, 240 Michael Cowpland Drive Ottawa, Ontario, Canada K2M 1P6

Facsimile Website

(613) 254-9643 (613) 254-5867

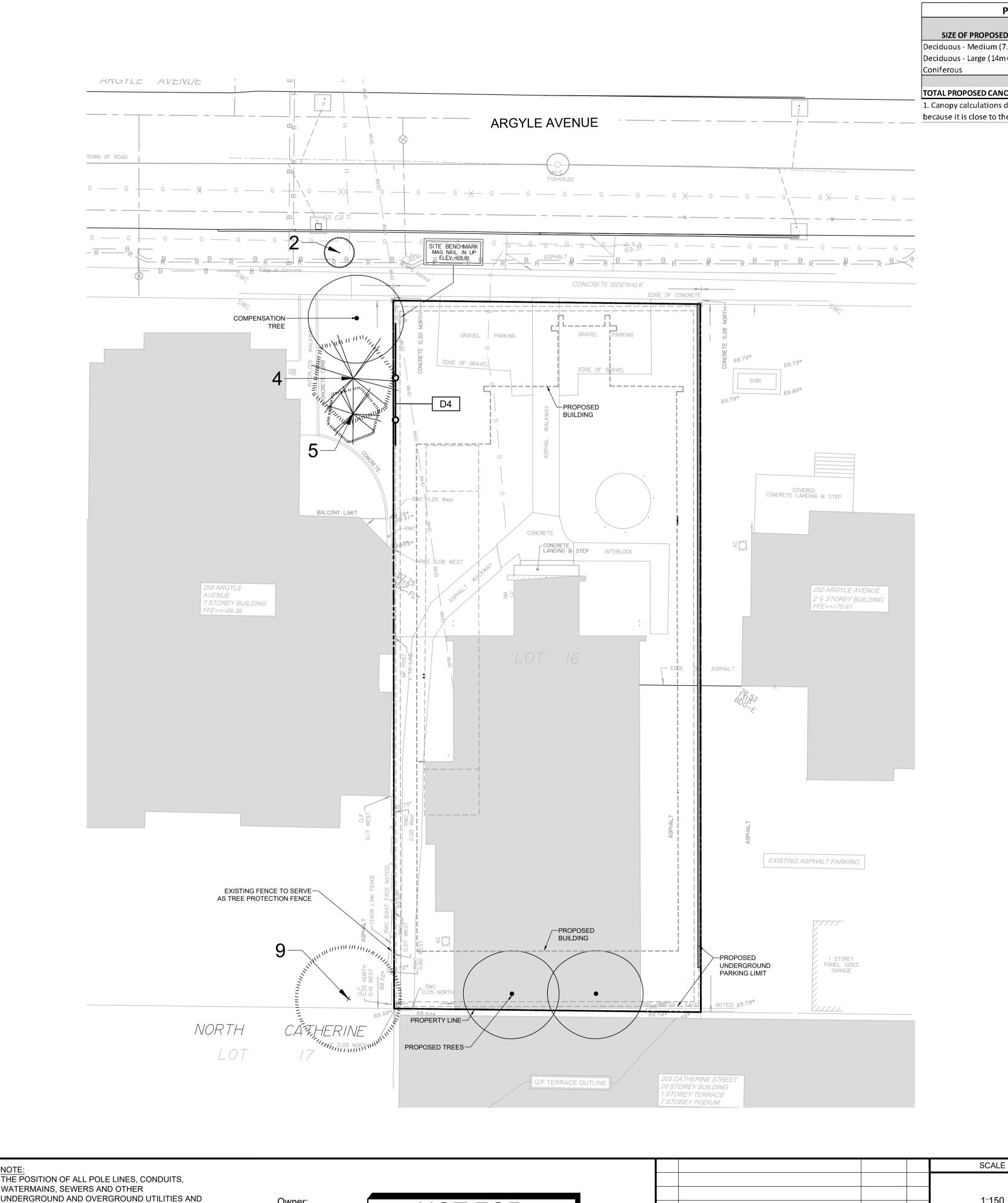
www.novatech-eng.com

254 ARGYLE AVENUE DRAWING NAME

CITY OF OTTAWA

TREE CONSERVATION PLAN 1 **EXISTING CONDITIONS & TREE-COVER**

123062-TCR1



PROPOSED AND RETAINED TREE CANOPY COVER:

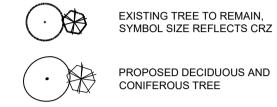
| PROPOSEI | D & RETAINED CAN | NOPY COVERAGE AT | ER QUANTITY OF TOTAL CANOPY | | | |
|-----------------------------------|------------------|-----------------------|-----------------------------|---------------|--|--|
| | AVERAGE MATURE | CANOPY COVERAGE PER | QUANTITY OF | TOTAL CANOPY | | |
| SIZE OF PROPOSED TREE | SPREAD | TREE AT MATURITY (m2) | TREES | COVERAGE (m2) | | |
| Deciduous - Medium (7.5-14m tall) | 6m | 28 | 2 | 56 | | |
| Deciduous - Large (14m+ tall) | 15m | 177 | 0 | 0 | | |
| Coniferous | 5m | 20 | 1 | 20 | | |
| | | | | | | |

TOTAL PROPOSED CANOPY COVERAGE (m2):

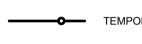
1. Canopy calculations do not include Trees 2, 4, 5, and 9 because they are on the neighbouring site. Tree 3 is included because it is close to the property line of the subject site, and it will be impacted by the proposed development.



LEGEND



PROPOSED DECIDUOUS AND **CONIFEROUS TREE**



PROPERTY LIMIT

PROPOSED BUILDING

TEMPORARY TREE PROTECTION FENCE

EXISTING BUILDING

TREE PROTECTION

Implement the following protection measures for retained trees, DETAIL SHEET # NOVATECH OR CITY

EG. L1, L2, ETC.

NOVATECH OR CITY

both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works: in good condition for the duration of site works:

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- 8. Do not damage the root system, trunk, or branches, or any
- 9. Do not extend hard surface or significantly change landscaping. 10. Ensure that exhaust fumes from all equipment are directed
- away from any tree canopy.
- 11. When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
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- 13. If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do
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- 15. The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.
- 16. City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

EXISTING TREE INVENTORY:

| No. | Botanical Name | Common Name | DBH (cm) | CRZ (m) | Condition | Owner | Remarks | Recomm. |
|-----|------------------|-----------------|----------|---------|-----------|---------------------------|---|----------|
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| 8 | Acer saccharum | Sugar Maple | 40.0 | 4.00 | VP | Client | Girdling roots, major limbs lost, leaning | Conflict |
| 9 | Acer saccharum | Sugar Maple | 35.0 | 3.50 | G | Private on adjoining site | | PROTECT |

G Good Conflict F Fair Remove

P Poor VP Very Poor Remove due to conflict with construction. Remove due to tree health or invasive status. Protect trees as per contract details and specifications.

FOR REVIEW ONLY

Suite 200, 240 Michael Cowpland Drive Ottawa, Ontario, Canada K2M 1P6

254 ARGYLE AVENUE DRAWING NAME

CITY OF OTTAWA

TREE CONSERVATION PLAN 2 PROPOSED DEVELOPMENT & TREE-COVER

123062-TCR2

WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR

DAMAGE TO THEM.

Owner: Azure Inc. c/o Azure Urban Developments Inc. 463 Golden Avenue Ottawa, ON K2A 2E4 Phone: 613-234-4346

NOT FOR CONSTRUCTION

1:150 RG ISSUED FOR PHASE 3 PRECONSULT SEPT 09/24 ISSUED FOR PHASE 2 PRECONSULT APR 29/24 DATE REVISION

(613) 254-9643 (613) 254-5867 Facsimile Website www.novatech-eng.com

