

LEGEND

- EXISTING TREE TO BE REMOVED (REFER TO ARBORIST REPORT)
- EXISTING TREE TO BE RETAINED (REFER TO ARBORIST REPORT)
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SHRUBS
- PROPOSED PERENNIALS AND GRASSES
- PROPOSED GARDEN BED WITH MULCH
- PROPOSED SOD
- EXISTING SOFTSCAPE TO REMAIN
- NEW PROPERTY LINE TAKING PER CITY'S "1900 CYRVILLE ROAD" DRAWING. BOUNDARY TO BE VERIFIED. SURVEY REQUIRED
- TREE PROTECTION FENCING
- LIMIT OF CONSTRUCTION
- FIRE HYDRANT (BY OTHERS)
- SIGN (BY OTHERS)
- LIGHT POLE (BY OTHERS)
- BUILDING LIGHT (BY OTHERS)

| No. | REVISIONS TO DRAWING | BY | DATE | APPR. |
|-----|--------------------------|----|------------|-------|
| 6. | ISSUED FOR SPA | TM | 2025/11/28 | |
| 5. | RE-ISSUED FOR PERMIT/BID | TM | 2025/05/16 | |
| 4. | ISSUED FOR PERMIT/BID | TM | 2025/04/30 | |
| 3. | ISSUED FOR QA3 | DK | 2025/04/21 | |
| 2. | ISSUED FOR QA2 | GM | 2025/04/09 | |
| 1. | ISSUED FOR QA1 | GM | 2025/03/28 | |

ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

CLIENT
COSTCO Wholesale Business Centre
 OTTAWA (GLOUCESTER), ONTARIO
 NEW BUSINESS CENTRE
 (CONVERTED WAREHOUSE)

SHEET TITLE
MASTER PLAN

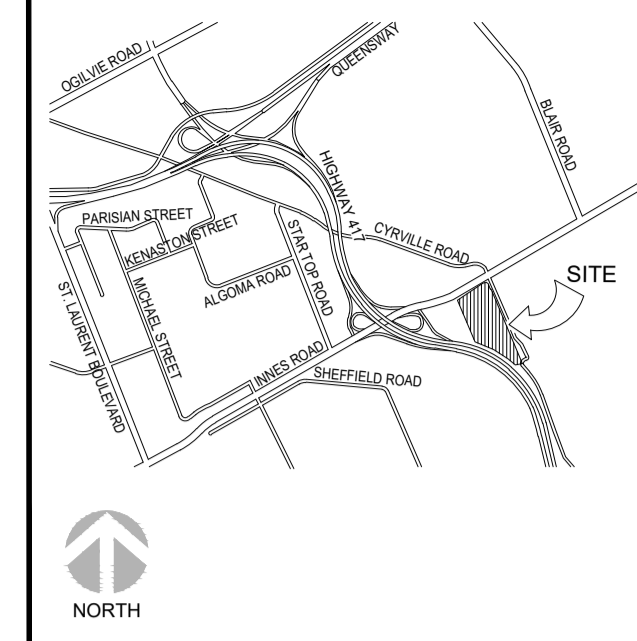
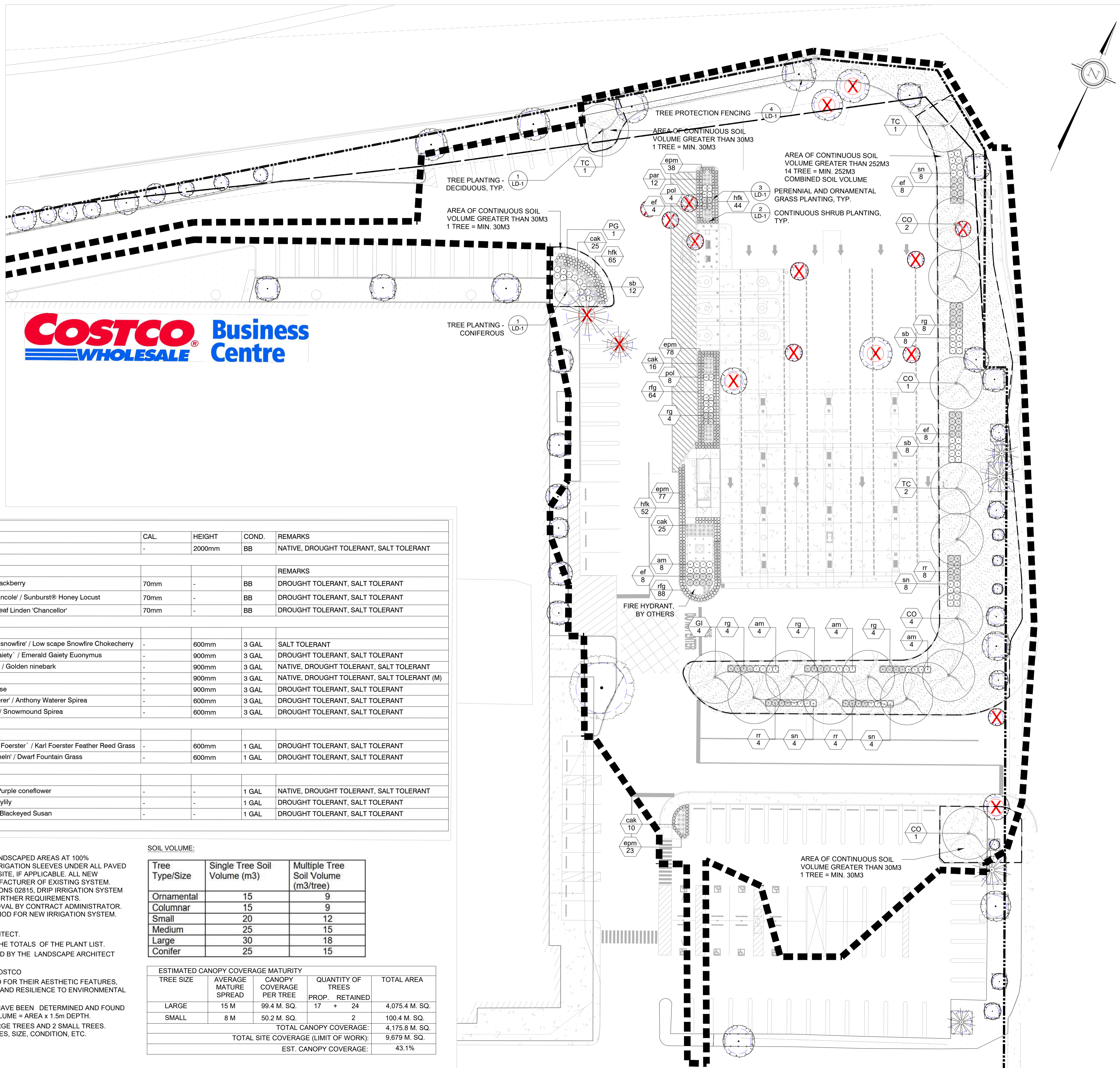
CONSULTANT

NOT FOR CONSTRUCTION
 2025-05-16

DRAWING INDEX

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|------|-------------------|
| L001 | MASTER PLAN |
| L100 | LANDSCAPE NOTES |
| L201 | LANDSCAPE PLAN |
| LD-1 | LANDSCAPE DETAILS |

| | | |
|---------------------------------------|----------------------|----------------------------|
| DESIGNED G.M. | DRAWN D.K. / G.M. | CHECKED T.M. |
| SCALE 1:600 | DATE MARCH 2025 | DWG. NUMBER L001 |
| PROJECT NUMBER 211-12161-00 | | |



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 - FIRE HYDRANT (BY OTHERS)
 - SIGN (BY OTHERS)
 - BILL PILE (BY OTHERS)

PLANT SCHEDULE

| CONIFEROUS (LARGE) | QTY | BOTANICAL / COMMON NAME | CAL. | HEIGHT | COND. | REMARKS |
|--------------------|-----|-----------------------------|------|--------|-------|---|
| PG | 1 | Picea glauca / White Spruce | - | 2000mm | BB | NATIVE, DROUGHT TOLERANT, SALT TOLERANT |

| DECIDUOUS (LARGE) | QTY | BOTANICAL / COMMON NAME | CAL. | HEIGHT | COND. | REMARKS |
|-------------------|-----|--|------|--------|-------|---------------------------------|
| CO | 8 | Celtis occidentalis / Common Hackberry | 70mm | - | BB | DROUGHT TOLERANT, SALT TOLERANT |
| GI | 4 | Gleditsia triacanthos inermis 'Suncole' / Sunburst® Honey Locust | 70mm | - | BB | DROUGHT TOLERANT, SALT TOLERANT |
| TC | 4 | Tilia cordata 'Chancellor' / Littleleaf Linden 'Chancellor' | 70mm | - | BB | DROUGHT TOLERANT, SALT TOLERANT |

| DECIDUOUS SHRUBS | QTY | BOTANICAL / COMMON NAME | CAL. | HEIGHT | COND. | REMARKS |
|------------------|-----|--|------|--------|-------|---|
| am | 20 | Aronia melanocarpa 'low scape snowfire' / Low scape Snowfire Chokecherry | - | 600mm | 3 GAL | SALT TOLERANT |
| ef | 28 | Euonymus fortunei 'Emerald Gaiety' / Emerald Gaiety Euonymus | - | 900mm | 3 GAL | DROUGHT TOLERANT, SALT TOLERANT |
| pol | 12 | Physocarpus opulifolius 'Luteus' / Golden ninebark | - | 900mm | 3 GAL | NATIVE, DROUGHT TOLERANT, SALT TOLERANT |
| rg | 24 | Ribes alpinum / Alpine Currant | - | 900mm | 3 GAL | NATIVE, DROUGHT TOLERANT, SALT TOLERANT (M) |
| rr | 16 | Rosa rugosa 'Hansa' / Shrub Rose | - | 900mm | 3 GAL | DROUGHT TOLERANT, SALT TOLERANT |
| sb | 28 | Spiraea bumalda 'Anthony Waterer' / Anthony Waterer Spirea | - | 600mm | 3 GAL | DROUGHT TOLERANT, SALT TOLERANT |
| sn | 24 | Spiraea nipponica 'Snowmound' / Snowmound Spirea | - | 600mm | 3 GAL | DROUGHT TOLERANT, SALT TOLERANT |

| GRASSES | QTY | BOTANICAL / COMMON NAME | CAL. | HEIGHT | COND. | REMARKS |
|---------|-----|---|------|--------|-------|---------------------------------|
| ca | 76 | Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass | - | 600mm | 1 GAL | DROUGHT TOLERANT, SALT TOLERANT |
| par | 12 | Pennisetum alopecuroides 'Hameln' / Dwarf Fountain Grass | - | 600mm | 1 GAL | DROUGHT TOLERANT, SALT TOLERANT |

| PERENNIALS | QTY | BOTANICAL / COMMON NAME | CAL. | HEIGHT | COND. | REMARKS |
|------------|-----|---|------|--------|-------|---|
| epm | 216 | Echinacea purpurea 'Magnus' / Purple coneflower | - | - | 1 GAL | NATIVE, DROUGHT TOLERANT, SALT TOLERANT |
| hfk | 161 | Hemerocallis 'Anzac' / Anzac Daylily | - | - | 1 GAL | DROUGHT TOLERANT, SALT TOLERANT |
| rfg | 152 | Rudbeckia fulgida 'Goldstrum' / Blackeyed Susan | - | - | 1 GAL | DROUGHT TOLERANT, SALT TOLERANT |

NOTE:

- CONTRACTOR TO PROVIDE IRRIGATION FOR ALL NEW LANDSCAPED AREAS AT 100% COVERAGE. SUPPLY AND PLACE 'CLASS 160' PVC PIPE IRRIGATION SLEEVES UNDER ALL PAVED AREAS. CONNECT TO EXISTING IRRIGATION SYSTEM ON SITE, IF APPLICABLE. ALL NEW EQUIPMENT/PARTS AND CONNECTIONS TO MATCH MANUFACTURER OF EXISTING SYSTEM. REFER TO SPECIFICATIONS FOR IRRIGATION MODIFICATIONS 02815. DRIP IRRIGATION SYSTEM 02811 AND LANDSCAPE AND MAINTENANCE 02990 FOR FURTHER REQUIREMENTS. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL BY CONTRACT ADMINISTRATOR. CONTRACTOR TO PROVIDE A TWO YEAR WARRANTY PERIOD FOR NEW IRRIGATION SYSTEM.
- CHECK ALL QUANTITIES.
- REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
- THE QUANTITIES INDICATED ON THE PLAN SUPERSEDE THE TOTALS OF THE PLANT LIST.
- THE LAYOUT OF ALL PLANT MATERIAL IS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- ALL PROPOSED TREES WILL BE PRIVATELY OWNED BY COSTCO
- NON-NATIVE PLANT SPECIES SPECIFIED WERE SELECTED FOR THEIR AESTHETIC FEATURES, SALT-TOLERANCE, ADAPTABILITY IN OTTAWA'S CLIMATE, AND RESILIENCE TO ENVIRONMENTAL FACTORS INCLUDING SNOW LOADING AND DROUGHT.
- ALL SOIL VOLUME CALCULATIONS AND REQUIREMENTS HAVE BEEN DETERMINED AND FOUND TO BE ADEQUATE FOR THE SPECIES SELECTED. SOIL VOLUME = AREA x 1.5m DEPTH.
- RETAINED TREES WITHIN LIMIT OF WORK = 24 LARGE TREES AND 2 SMALL TREES. REFER TO TREE INFORMATION REPORT FOR TREE SPECIES, SIZE, CONDITION, ETC.

SOIL VOLUME:

| Tree Type/Size | Single Tree Soil Volume (m3) | Multiple Tree Soil Volume (m3/tree) |
|----------------|------------------------------|-------------------------------------|
| Ornamental | 15 | 9 |
| Columnar | 15 | 9 |
| Small | 20 | 12 |
| Medium | 25 | 15 |
| Large | 30 | 18 |
| Conifer | 25 | 15 |

| ESTIMATED CANOPY COVERAGE MATURITY | | | | |
|--------------------------------------|-----------------------|--------------------------|----------------------------------|----------------|
| TREE SIZE | AVERAGE MATURE SPREAD | CANOPY COVERAGE PER TREE | QUANTITY OF TREES PROP. RETAINED | TOTAL AREA |
| LARGE | 15 M | 99.4 M. SQ. | 17 + 24 | 4,075.4 M. SQ. |
| SMALL | 8 M | 50.2 M. SQ. | 2 | 100.4 M. SQ. |
| TOTAL CANOPY COVERAGE: | | | | 4,175.8 M. SQ. |
| TOTAL SITE COVERAGE (LIMIT OF WORK): | | | | 9,679 M. SQ. |
| EST. CANOPY COVERAGE: | | | | 43.1% |

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COSTCO Business Centre
 WHOLESALE

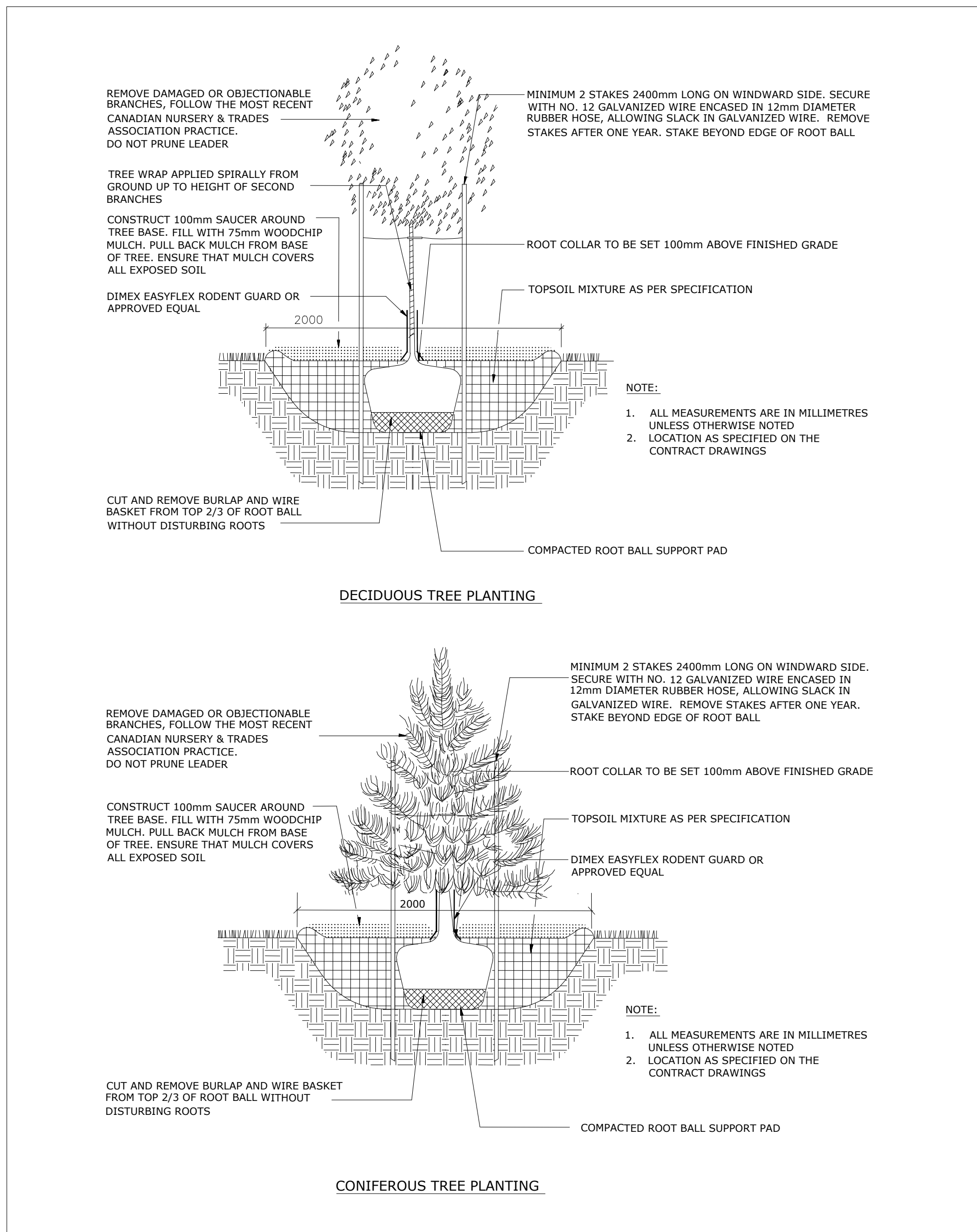
OTTAWA (GLOUCESTER), ONTARIO
 NEW BUSINESS CENTRE
 (CONVERTED WAREHOUSE)

SHEET TITLE
LANDSCAPE PLAN

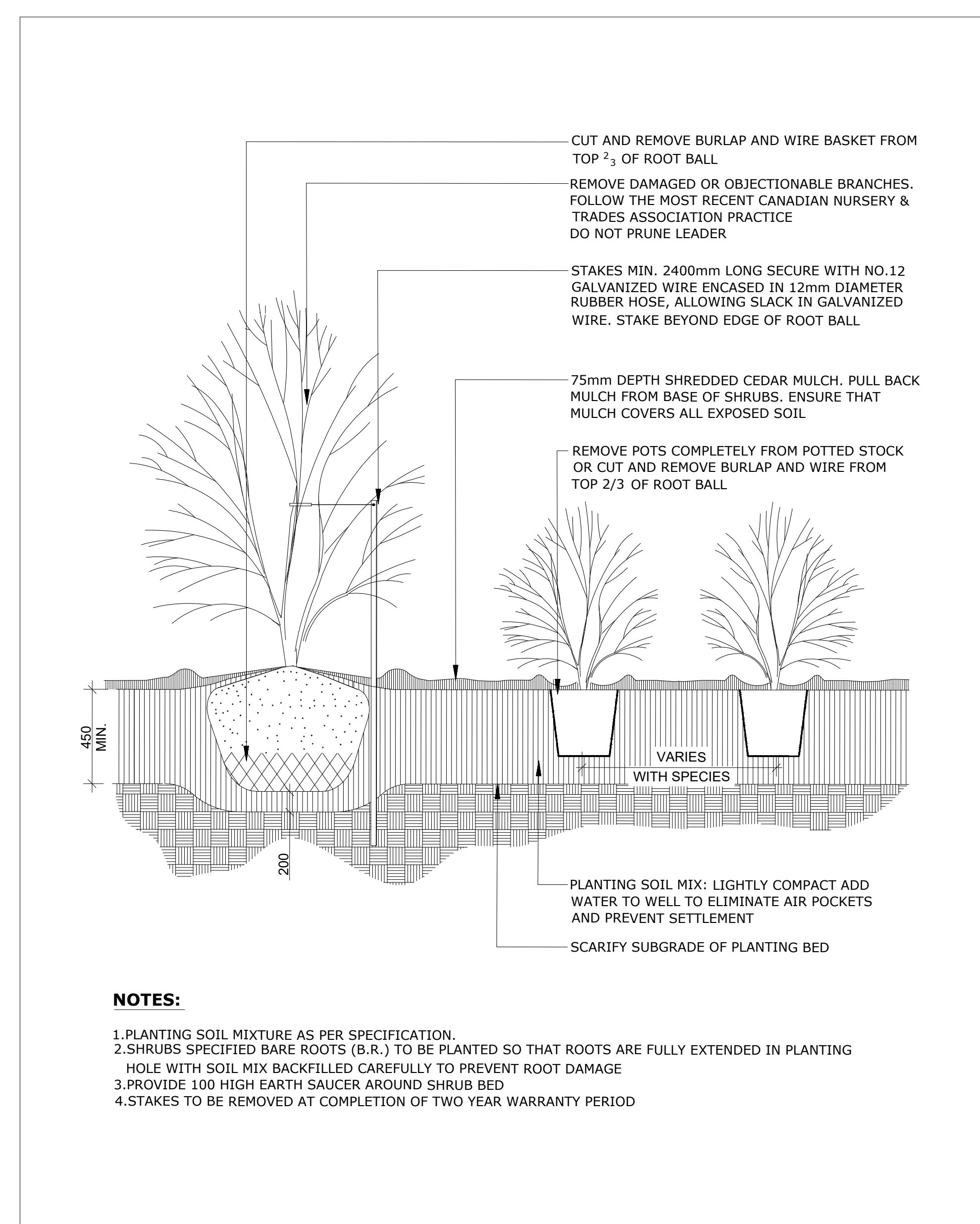
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| DESIGNED G.M. | DRAWN D.K. / G.M. | CHECKED T.M. |
| SCALE 1:300 | DATE MARCH 2025 | |
| PROJECT NUMBER 211-12161-00 | DWG. NUMBER L201 | |

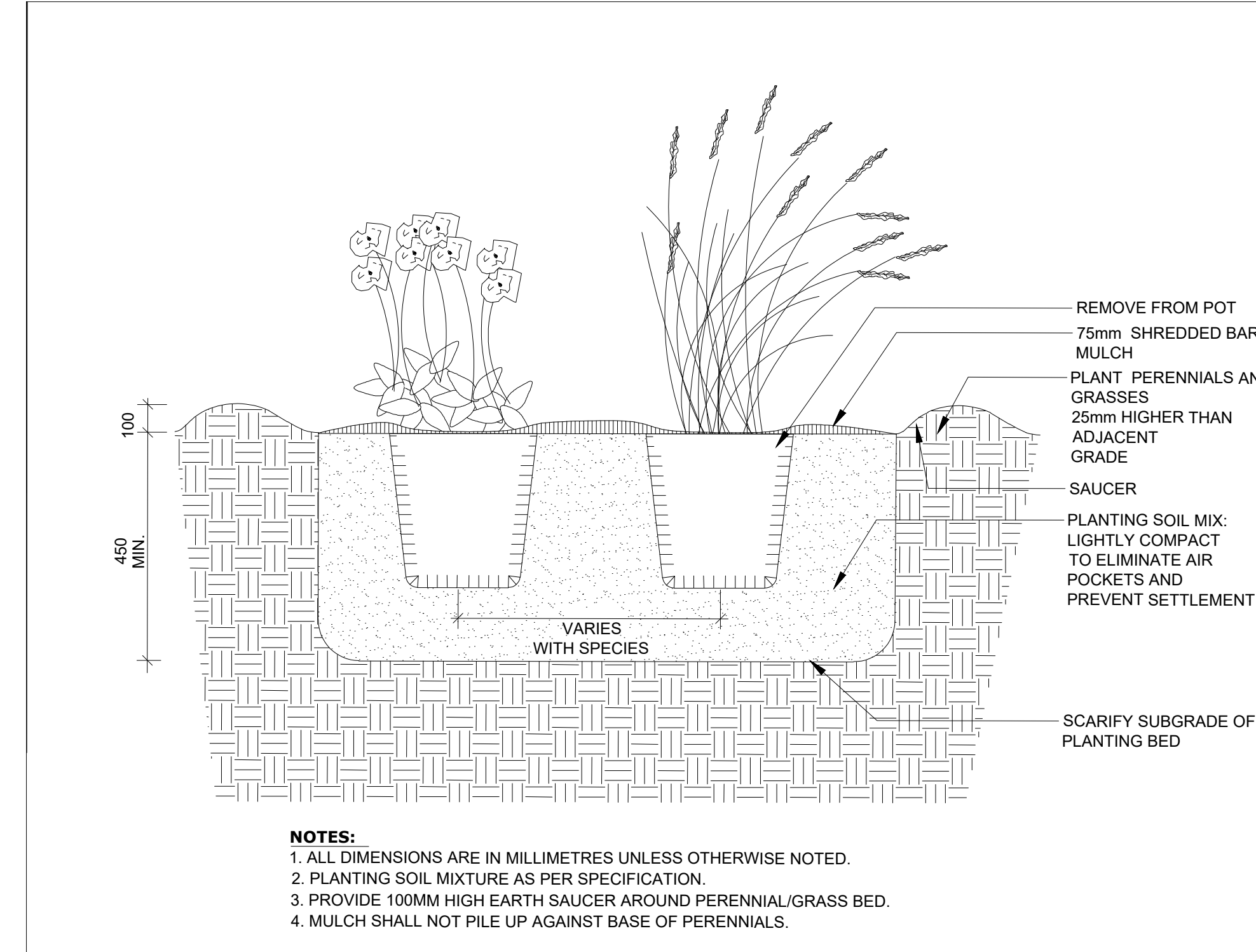
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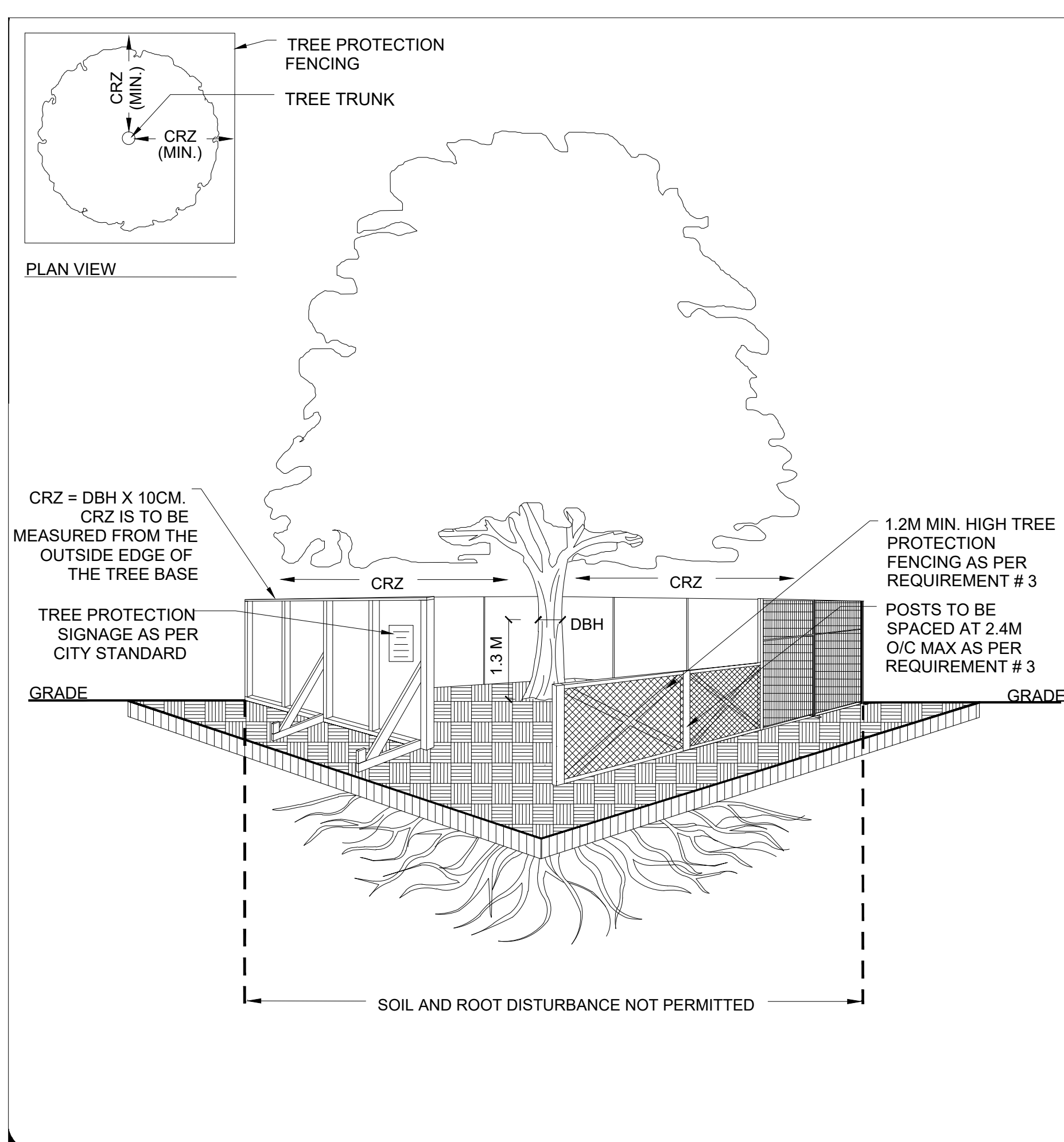
1 TREE PLANTING
LD-1 SCALE: N.T.S.



2 CONTINUOUS SHRUB PLANTING
LD-1 SCALE: N.T.S.



3 PERENNIAL AND ORNAMENTAL GRASS PLANTING
LD-1 SCALE: N.T.S.

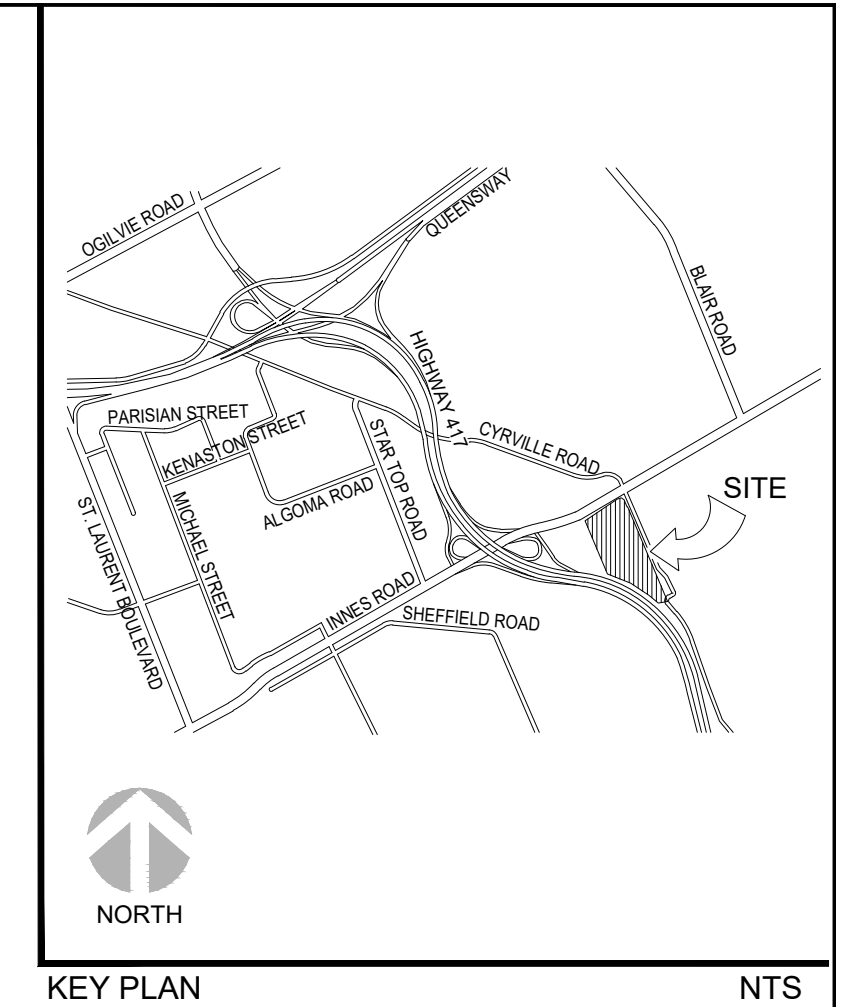


4 TREE PROTECTION FENCING
LD-1 SCALE: N.T.S.

TREE PROTECTION REQUIREMENTS:

1. PRIOR TO ANY WORK ACTIVITY WITHIN THE CRITICAL ROOT ZONE (CRZ = 10 X DIAMETER) OF A TREE, TREE PROTECTION FENCING MUST BE INSTALLED SURROUNDING THE CRITICAL ROOT ZONE, AND REMAIN IN PLACE UNTIL THE WORK IS COMPLETE.
2. UNLESS PLANS ARE APPROVED BY CITY FORESTRY STAFF, FOR WORK WITHIN THE CRZ:
 - DO NOT PLACE ANY MATERIAL OR EQUIPMENT - INCLUDING OUTHOUSES;
 - DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE;
 - DO NOT RAISE OR LOWER THE EXISTING GRADE;
 - TUNNEL OR BORE WHEN DIGGING;
 - DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OR ANY TREE.
 - ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT DIRECTED TOWARD ANY TREE CANOPY.
 - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE LANDSCAPING
3. TREE PROTECTION FENCING MUST BE AT LEAST 1.2M IN HEIGHT, AND CONSTRUCTED OF RIGID OR FRAMED MATERIALS (E.G. MODULOC - STEEL, PLYWOOD HOARDING, OR SNOW FENCE ON A 2"x4" WOOD FRAME) WITH POSTS 2.4M APART, SUCH THAT THE FENCE LOCATION CANNOT BE ALTERED. ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMISE DAMAGE TO EXISTING ROOTS. (SEE DETAIL).
4. THE LOCATION OF THE TREE PROTECTION FENCING MUST BE DETERMINED BY AN ARBORIST AND DETAILED ON ANY ASSOCIATED PLANS FOR THE SITE (E.G. TREE CONSERVATION REPORT, TREE INFORMATION REPORT, ETC). THE PLAN AND CONSTRUCTED FENCING MUST BE APPROVED BY CITY FORESTRY STAFF PRIOR TO THE COMMENCEMENT OF WORK.
5. IF THE FENCED TREE PROTECTION AREA MUST BE REDUCED TO FACILITATE CONSTRUCTION, MITIGATION MEASURES MUST BE PRESCRIBED BY AN ARBORIST AND APPROVED BY CITY FORESTRY STAFF. THESE MAY INCLUDE THE PLACEMENT OF PLYWOOD, WOOD CHIPS, OR STEEL PLATING OVER THE ROOTS FOR PROTECTION OR THE PROPER PRUNING AND CARE OF ROOTS WHERE ENCOUNTERED.

THE CITY'S TREE PROTECTION BY-LAW, 2020-340 PROTECTS BOTH CITY-OWNED TREES, CITY-WIDE, AND PRIVATELY-OWNED TREES WITHIN THE URBAN AREA. PLEASE REFER TO WWW.OTTAWA.CA/TREEBYLAW FOR MORE INFORMATION ON HOW THE TREE BY-LAW APPLIES.



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NEW BUSINESS CENTRE
(CONVERTED WAREHOUSE)

LANDSCAPE DETAILS



NOT FOR CONSTRUCTION
2025-05-16

| DESIGNED | DRAWN | CHECKED |
|------------------------------|-------------|-------------------|
| G.M. | D.K. / G.M. | T.M. |
| SCALE: REFER TO DRAWING | | DATE: MARCH 2025 |
| PROJECT NUMBER: 211-12161-00 | | DWG NUMBER: LD-01 |