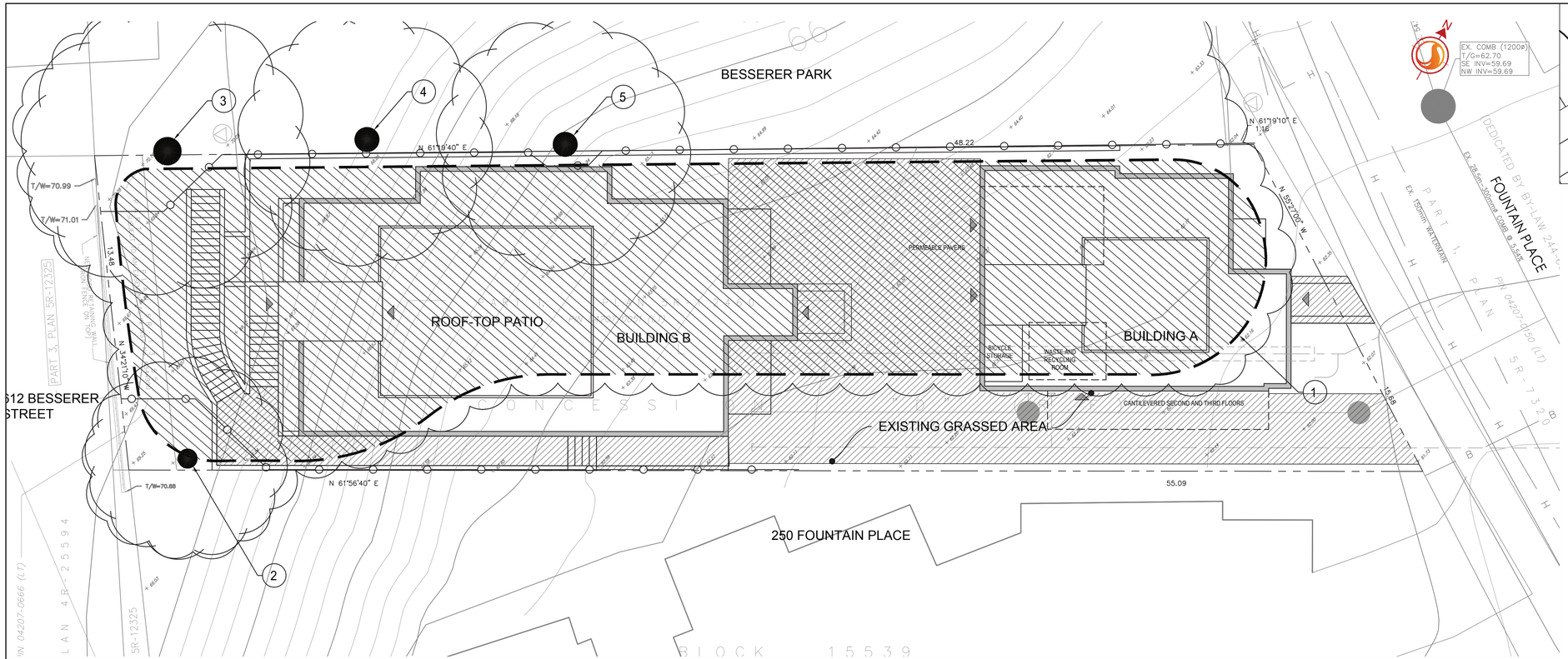
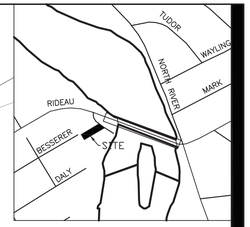
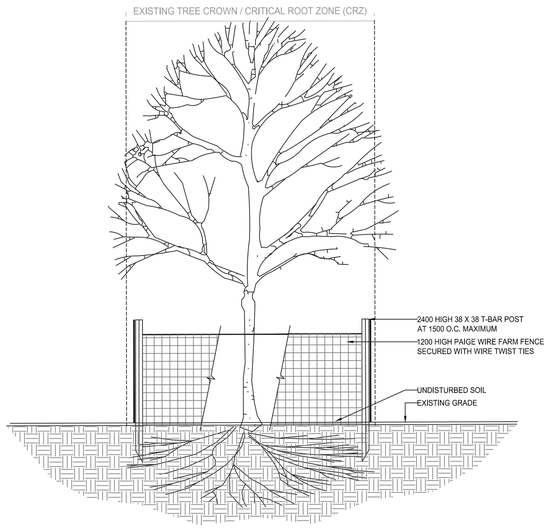




KEY PLAN
N.T.S.

1 TREE PRESERVATION PLAN

1:100

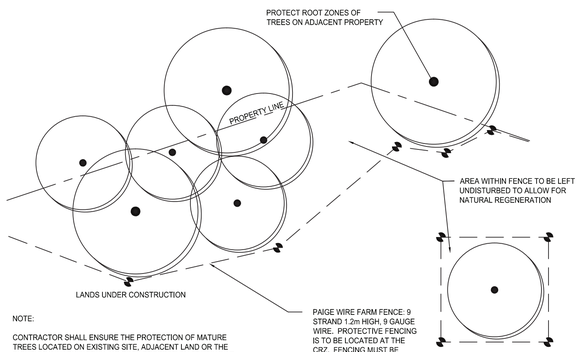


NOTES:

1. THE AREA WITHIN CRITICAL ROOT ZONE OF ALL EXISTING TREES TO BE RETAINED SHALL BE PROPERLY PROTECTED WITH TEMPORARY FENCING AS PER THE APPROVED LANDSCAPE INVENTORY AND PRESERVATION PLAN.
2. GROUPS OF TREES TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH FENCING AROUND THE ENTIRE STAND(S).
3. THE AREA WITHIN THE PROTECTED FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. REMOVE ALL DEBRIS.
4. PRUNE BRANCHES TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES. DO NOT PRUNE LEADERS.
5. TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT.
6. IF CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES IS CALLED FOR, FOLLOW APPROPRIATE DETAILS AS DIRECTED BY LANDSCAPE ARCHITECT.
7. IF TREES ARE BEING AFFECTED BY CONSTRUCTION, A WATER AND FERTILIZING PROGRAM WILL BE REQUIRED TO THE SATISFACTION OF THE CITY.

2 TEMPORARY TREE PROTECTION FENCE - SECTION

N.T.S.



NOTE:

CONTRACTOR SHALL ENSURE THE PROTECTION OF MATURE TREES LOCATED ON EXISTING SITE, ADJACENT LAND OR THE RIGHT-OF-WAY BY INSTALLING TREE PROTECTION FENCING AT THE CRITICAL ROOT ZONE (CRZ) OF TREES. THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETRES FROM THE TRUNK OF A TREE FOR EVERY CENTIMETRE OF TRUNK DIAMETER AT BREAST HEIGHT (DBH), THE CRZ IS CALCULATED AS DBH X 10 CM.

3 TEMPORARY TREE PROTECTION FENCEL - PLAN VIEW

N.T.S.

TREE CONSERVATION SCHEDULE

EXISTING TREES / VEGETATION GROUPING TO REMAIN:

2-5

EXISTING TREES TO BE REMOVED:

1

(REFER TO DRAWING TC1 FOR DETAILS RELATED TO EXISTING VEGETATION)

NOTES - TREE PROTECTION

1. LOCATION OF EXISTING SIGNIFICANT TREE IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.
2. NO VEGETATION REMOVAL SHALL OCCUR BETWEEN APRIL 15 AND JULY 31 OF ANY YEARS TO PROTECT BREEDING MIGRATORY BIRDS, AS WELL AS AT RISK BAT SPECIES. SHALL TREE REMOVAL DURING THIS PERIOD BY UNAVOIDABLE, THE CONTRACTOR IS REQUIRED TO CONDUCT A NESTING SURVEY BY A REGISTERED PROFESSIONAL AVIAN BIOLOGIST TO IDENTIFY AND ENSURE NO NESTING ACTIVITIES ARE PRESENT. TREE REMOVAL WILL BE ALLOWED WITHIN FIVE (5) DAYS OF CONDUCTING THE SURVEY.
3. CONTRACTOR SHALL ENSURE THE PROTECTION OF MATURE TREES IDENTIFIED TO BE RETAINED. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETRES FROM THE TRUNK OF A TREE FOR EVERY CENTIMETRE OF TRUNK DIAMETER AT BREAST HEIGHT (DBH), THE CRZ IS CALCULATED AS DBH X 10 CM. TREE PROTECTION FENCING SHALL BE INSTALLED AS SPECIFIED ON DETAIL 2/TC2.
4. DURING EXCAVATION EQUIPMENT MUST BE MAINTAINED WITHIN THE CONFINES OF THE WORK AREA SO AS NOT TO DISRUPT ANY TURF OR TREE ROOTS UNNECESSARILY, DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE TO BE RETAINED.
5. CONTRACTOR SHALL ENSURE THAT NO FILL WILL BE ALLOWED TO OCCUR ON THE SURFACE ABOVE THE CRITICAL ROOT ZONE (CRZ) OF TREES.
6. ALL EXCAVATED MATERIAL, INCLUDING IMPORTED MATERIAL, MUST BE REMOVED IMMEDIATELY AND NOT PLACED ON GRASS OR NEAR TREES IN ORDER TO PREVENT ROOT DAMAGE, ACCIDENTAL HITTING OF ADJACENT TREES, AND TURF DAMAGE OUTSIDE OF WORK AREA.
7. CONTRACTOR SHALL MINIMIZE SOIL COMPACTION BY KEEPING OPERATION OF MACHINERY AND EQUIPMENT CONFINED TO DESIGNATED WORK AREA.
8. CONTRACTOR SHALL KEEP A SPILL KIT ON SITE.
9. CONTRACTOR SHALL DEVELOP AN EMERGENCY RESPONSE PLAN.
10. CONTRACTOR SHALL AVOID SOIL CONTAMINATION AND FUTURE LIABILITY BY CONFINING THE OILING AND REFUELING OF MACHINERY AND EQUIPMENT TO DESIGNATED STAGING AREA.
11. NO FUEL IS TO BE STORED WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE AND EXHAUST FUMES FROM ALL EQUIPMENT MUST NOT BE DIRECTED TOWARDS ANY TREE'S CANOPY.
12. CONTRACTOR SHALL PREVENT ANY DAMAGE TO THE ROOT SYSTEM, TRUNK OR BRANCHES OF ANY TREES TO BE RETAINED ON SITE AND ON ADJACENT PROPERTIES.
13. STORAGE OF EQUIPMENT AND VEHICLES WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES IS STRICTLY PROHIBITED.

NOTES - ROOT PROTECTION

1. SURFACE TREATMENT:
   A PROTECTIVE ROOT BUFFER IS REQUIRED FOR A MINIMUM DISTANCE OF 2.0 METERS OUTSIDE OF THE TREE PROTECTION BARRIER, IN LOCATIONS WHERE EXCAVATION WILL NOT OCCUR, THIS BUFFER WILL CONSIST OF WOODCHIPS SPREAD TO A MINIMUM THICKNESS OF 10 CM.
2. EXCAVATION/EXPOSED ROOTS:
   NO EXCAVATIONS MAY TAKE PLACE WITHIN THE CRITICAL ROOT ZONE (CRZ). INSTEAD, DIRECTIONAL MULTI-TUNNELING AND BORING SHOULD BE EMPLOYED. WHEN EXCAVATION MUST TAKE PLACE INSIDE OF THE CRITICAL ROOT ZONE (CRZ) A TRENCH SHOULD BE DUG CAREFULLY EITHER BY HAND OR WITH HYDRAULIC OR PNEUMATIC AIR EXCAVATION TECHNOLOGY. AFTER THE TRENCH IS ESTABLISHED, A BACKHOE OR OTHER EQUIPMENT STATIONED OUTSIDE OF THE CRITICAL ROOT ZONE (CRZ) CAN BE USED TO COMPLETE THE WORK. IF ROOTS ARE ENCOUNTERED WHILE TRENCHING OUTSIDE OF THE CRITICAL ROOT ZONE (CRZ) THEY SHOULD BE CLEANLY CUT WITH EITHER PRUNING SHEARS OR SAW AND WIPED WITH ALCOHOL BEFORE EACH CUT. THIS WILL ENSURE CLEAN CUTS OF THE ROOTS, THUS FACILITATING HEALING.
3. WATERING/FERTILIZATION:
   IF ANY TREE ROOTS ARE EXPOSED DURING CONSTRUCTION, THEY SHOULD BE IMMEDIATELY REBURIED WITH SOIL OR TEMPORARILY COVERED WITH BURLAP, FILTER CLOTH OR WOODCHIPS AND KEPT MOIST (I.E. WATERING WITH A SOFT-SPRAY NOZZLE AT LEAST THREE TIMES A WEEK). A COVERING PLASTIC SHOULD BE USED IN ORDER TO RETAIN MOISTURE DURING AN EXTENDED PERIOD WHEN WATERING MAY NOT BE POSSIBLE (I.E. OVER WEEKENDS).

Stantec

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Legend

- EXISTING SIGNIFICANT TREE
- EXISTING VEGETATION GROUPING
- EXISTING WOODED AREA
- EXISTING GROUPING TO BE REMOVED
- EXISTING TREE TO BE REMOVED
- (#) EXISTING VEGETATION ID
- PROPOSED HARD SURFACE
- PROPOSED TEMPORARY TREE PROTECTION FENCE
- PROPERTY LINE

1	ISSUED FOR SITE PLAN CONTROL APPROVAL	BD	IL	16.10.19
Revision		By	Appd.	YY.MM.DD
File Name: 160401234-LB		BD	IL	IL	16.08.24
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
ISABELLE L'ALONDE
ILL
OALA
OCT. 19, 2016
MEMBER

Client/Project

TC UNITED GROUP

244 FOUNTAIN PLACE

OTTAWA, ON

Title

PROPOSED DEVELOPMENT & CONSERVED VEGETATION PLAN

Project No.	Scale	Sheet	Revision
160401234	1:100 (0 1 3 5m)	2of 2	1
Drawing No.			
TC-2			

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