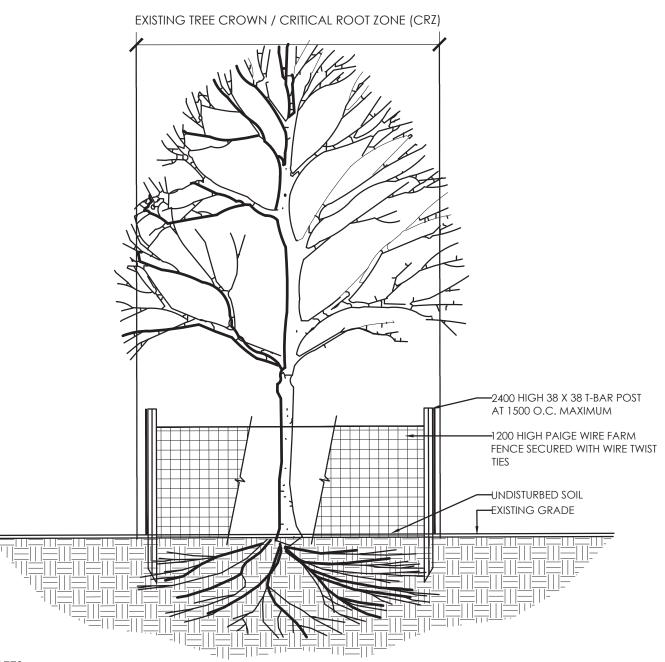
TREE ASSESSMENT CONDUCTED: July 13, 2020 PLANT BOTANICAL NAME COMMON NAME (cm) CONDITION Good Private Tree. TO BE REMOVED. Acer negundo Manitoba Maple 2 Picea pungens 'Glauca' Blue Colorado Spruce 49 Good Private Tree. Tree has 2 leaders. TO BE REMOVED. Fair / Poor Private Tree. Tree has many dead branches. TO BE REMOVED. Picea pungens 'Glauca' Blue Colorado Spruce 30 4 Picea pungens 'Glauca' Blue Colorado Spruce 40 Good Private Tree. Tree has 2 leaders. TO BE REMOVED. Private shrub. Non-native. Invasive. Multi-trunk (2 trunks). TO BE 5 Rhamnus cathartica European Buckthorn Private Tree. Multi-trunk (2 trunks). Many severed limbs. TO BE 6 Acer saccharum Sugar Maple REMOVED. 1 @ 28 Private Tree. Non-native. Invasive. Multi-trunk. Tree is growing 7 Ulmus pumila' Siberian Elm 7-14 Good / Fair through the board fence, with some trunks being located on the adjacent property. TO BE REMOVED. Private tree located on 1199 Joseph Cyr Street. TO BE Sugar Maple 8 Acer saccharum PROTECTED. Private tree located on 1199 Joseph Cyr Street. Non-native. Amur Maple 9-13 Good/Fair Invasive. Multi-trunk (7 trunks) tree / large shrub. TO BE 9 Acer ginnala

EXISTING VEGETATION SCHEDULE



NOTES:

- GROUPS OF TREES TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH FENCING AROUND THE ENTIRE STAND(S).
- 2. PRUNE BRANCHES TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES. DO NOT PRUNE
- 3. TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT.
- 4. IF TREES ARE BEING AFFECTED BY CONSTRUCTION, A WATER AND FERTILIZING PROGRAM WILL BE REQUIRED TO THE SATISFACTION OF THE CITY.

TEMPORARY TREE PROTECTION FENCE - SECTION

TREE PRESERVATION NOTES

TREE PRESERVATION PLAN

- 1. NO VEGETATION SHALL BE REMOVED WITHOUT MUNICIPAL WRITTEN APPROVAL.
- 2. LOCATION OF EXISTING TREES IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.
- 3. NO VEGETATION REMOVAL SHALL OCCUR BETWEEN APRIL 15 AND AUGUST 15 OF ANY YEAR 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.
- 4. 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. 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.
- 5. 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.
- 6. CONTRACTOR SHALL ENSURE THAT NO FILL WILL BE ALLOWED TO OCCUR ON THE SURFACE ABOVE THE CRITICAL ROOT ZONE (CRZ) OF TREES.
- 7. 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.

- 8. CONTRACTOR SHALL MINIMIZE SOIL COMPACTION BY KEEPING OPERATION OF MACHINERY AND EQUIPMENT CONFINED TO DESIGNATED WORK AREA.
- 9. CONTRACTOR SHALL KEEP A SPILL KIT ON SITE.
- 10. CONTRACTOR SHALL DEVELOP AN EMERGENCY RESPONSE PLAN.
- 11. CONTRACTOR SHALL AVOID SOIL CONTAMINATION AND FUTURE LIABILITY BY CONFINING THE OILING AND REFUELING OF MACHINERY AND EQUIPMENT TO DESIGNATED STAGING AREA.
- 12. 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.
- 13. CONTRACTOR SHALL PREVENT ANY DAMAGE TO THE ROOT SYSTEM, TRUNK OR BRANCHES OF ANY TREES TO BE RETAINED ON SITE AND ON ADJACENT PROPERTIES.
- 14. STORAGE OF EQUIPMENT AND VEHICLES WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES IS STRICTLY PROHIBITED.
- 15. WHERE LIMBS OR PORTIONS OF TREES ARE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY WILL BE REMOVED CAREFULLY IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES.
- 16. WHERE NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THEIR APPEARANCE. NOT MORE THAN ONE THIRD OF THE TOTAL BRANCHING SHALL BE REMOVED DURING A SINGLE OPERATION. THE SERVICES OF A CERTIFIED ARBORIST SHALL BE RETAINED FOR THIS TASK.

WORK WITHIN PROTECTED AREAS

- 1. EXCAVATION WORK:
- TO ENSURE THE ROOTS ARE NOT DISTURBED MORE THAN NECESSARY AND WHERE EXCAVATION WORKS ARE UNAVOIDABLE WITHIN THE CRZ OF TREES, THE FOLLOWING MITIGATION MEASURES SHALL BE USED:
 - ALL EXCAVATION WITHIN THE CRZ OF TREES SHALL BE BY HAND OR HYDRO EXCAVATION USING THE SMALLEST TOOLS. ROOT CUTTING SHALL BE MADE USING A SHARP SPADE OR KNIFE AT THE LIMIT OF DISTURBANCE PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL ONLY TUNNEL OR BORE WITHIN THE CRZ, INSTEAD OF CREATING A TRENCH.
 - ANY ROOTS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITIES MUST BE COVERED WITH NATIVE TOPSOIL IMMEDIATELY, TO ENSURE THAT THE ROOTS DO NOT DRY OUT OR HAVE ANY FURTHER DAMAGE OCCUR TO THEM.
- IN ALL THOSE INSTANCES WHERE ROOT PRUNING IS REQUIRED, THE SERVICE OF A CERTIFIED ARBORIST OR QUALIFIED TREE WORKER UNDER THE SUPERVISION OF A CERTIFIED ARBORIST SHALL BE RETAINED. IN ADDITION, ALL REMEDIAL WORKS MUST BE CONDUCTED BY A CERTIFIED CARE PROFESSIONAL TO ENSURE PROPER CARE IS ADMINISTERED IN ORDER TO ENABLE THE CONTINUED HEALTH OF THE TREES.

2. GRADING WORK

• WHERE RE-GRADING IS REQUIRED WITHIN THE CRZ, IT SHOULD BE PERFORMED BY HAND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.



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TREE IDENTIFICATION NUMBER





CRITICAL ROOT ZONE / TREE PROTECTION FENCE. REFER TO DETAIL 2/L100.



EXISTING GROUPING OF VEGETATION TO BE REMOVED



EXISTING TREE TO BE REMOVED



— - - — PROPERTY LINE

- TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY STANTEC GEOMATICS LTD. DATED AUGUST 16, 2018.
- SITE PLAN PREPARED BY FIGURR DATED SEPTEMBER,
- GEOTECHNICAL REPORT PREPARED BY STANTEC CONSULTING LTD. DATED OCTOBER 4, 2018, REPORT No.

2	ISSUED FOR CITY COMMENTS		CTL	ILL	20.10.01
1	ISSUED FOR REVIEW		CTL	ILL	20.08.13
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Permit-Seal



Client/Project

TC UNITED DEVELOPMENT CORP. 800 INDUSTRIAL AVENUE UNIT 9-100

6 STORY MIXED USE BUILDING 1155 JOSEPH CYR STREET OTTAWA, ON

CURRENT VEGETATION AND TREE PRESERVATION PLAN

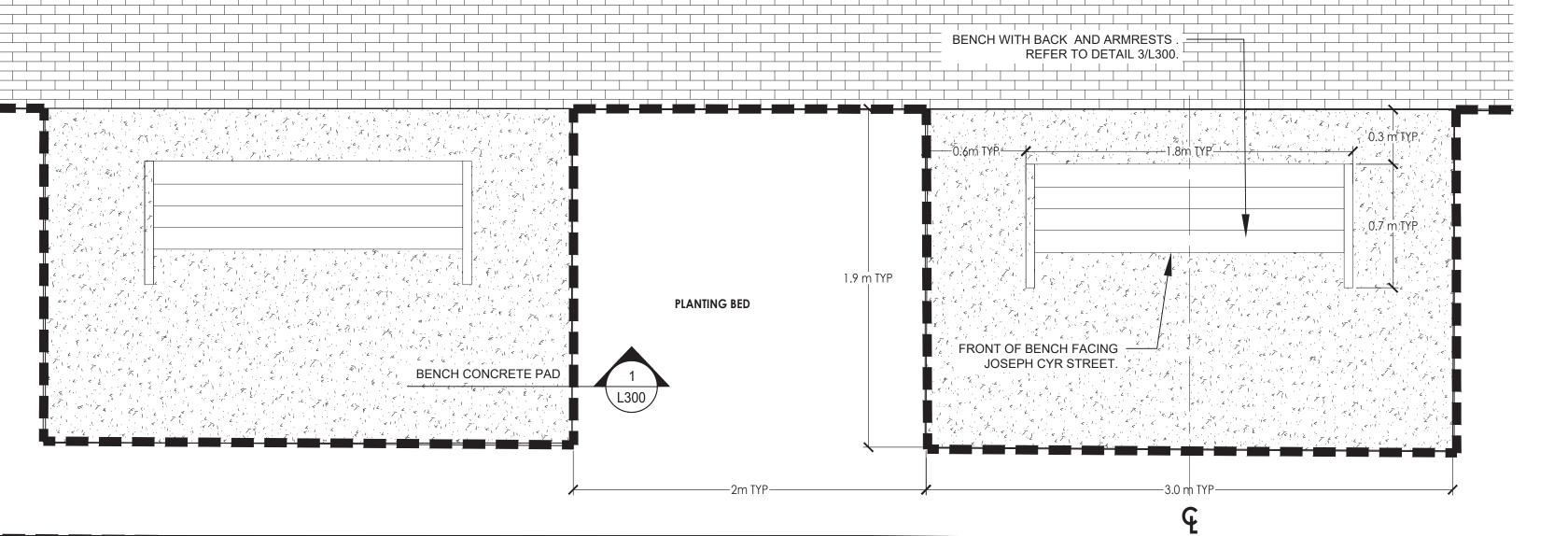
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LANDSCAPE PLAN NOTES

- 1. REFER TO ENGINEERING DRAWINGS FOR PROPOSED GRADING.
- 2. REFER TO ENGINEERING DRAWINGS FOR PROPOSED SITE SERVICING.
- 3. EXISTING VEGETATED AREAS ON ADJACENT PROPERTIES SHALL REMAIN AND BE PROTECTED BEFORE, DURING, AND AFTER CONSTRUCTION.
- 4. SOD SHALL BE KENTUCKY BLUEGRASS SOD INSTALLED OVER 135mm OF TOPSOIL. SOD SHALL BE INSTALLED THROUGHOUT WITHIN LIMIT OF WORK AND IN ALL DISTURBED AREAS OUTSIDE THE LIMIT OF WORK EXCEPT WHERE INDICATED. SOD SHALL BE INSTALLED AS PER OPSS 803.
- 5. CONTRACTOR TO LOCATE AND STAKE ALL UTILITIES PRIOR TO ANY WORK ON THE SITE. DO NOT PLANT DIRECTLY ABOVE UNDERGROUND UTILITIES. REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION.
- 6. NO TREES SHALL BE PLANTED UNDER OVERHEAD WIRES.
- 7. THE LANDSCAPE ARCHITECT MAY ADJUST THE LOCATION OF PLANTING PRIOR TO PLANTING TO MINIMIZE CONFLICTS WITH UTILITIES, DRIVEWAYS AND INTERSECTION VISIBILITY.
- 8. CONTRACTOR SHALL SUPPLY ALL MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE WORK SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR DIRECTION.
- 9. DO NOT MAKE SUBSTITUTIONS OF MATERIALS, PRODUCTS OR QUANTITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
- 10. THE CONTRACTOR TO MAKE GOOD TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT ANY AREAS DAMAGED BY THE WORK.
- 11. UPON THE COMPLETION OF WORK EACH DAY, REMOVE ALL DEBRIS, GARBAGE AND SURPLUS MATERIALS FROM THE SITE. KEEP THE SITE CLEAN AND USEABLE AT ALL TIMES.
- 12. ALL WORKMANSHIP AND MATERIALS (INCLUDING PLANTS) TO BE GUARANTEED FOR <u>ONE</u> FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE PROJECT BY THE LANDSCAPE ARCHITECT.
- 13. THE CONTRACTOR SHALL REMOVE ALL T-BAR AND WOODEN TREE STAKES PRIOR TO ASSUMPTION BY THE OWNER.
- 14. AT THE TIME OF INSPECTION FOR ACCEPTANCE ALL TREE PITS SHALL BE CULTIVATED, FREE OR WEEDS, LEAVES, BROKEN BRANCHES AND DEBRIS.



3 LANDSCAPE ENLARGEMENT - BENCH CONCRETE PAD
1:20



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Legend

EXISTING DECIDUOUS TREE



PROPOSED CONIFEROUS TREE

PROPOSED DECIDUOUS SHRUBS

PROPOSED CONIFEROUS SHRUBS

PROPOSED PERENNIALS AND GRASSES

PROPOSED PLANTING BED EDGE

SOD WITH 150mm TOPSOIL

PROPOSED UNIT PAVERS. REFER TO DETAIL 7/L300.

PROPOSED RIVER WASHED STONE.
REFER TO DETAIL 6/L300

REFER TO DETAIL 6,

— - - — PROPERTY LINE

TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY STANTEC GEOMATICS LTD. DATED AUGUST 16, 2018.

2. SITE PLAN PREPARED BY FIGURR DATED SEPTEMBER,

 GEOTECHNICAL REPORT PREPARED BY STANTEC CONSULTING LTD. DATED OCTOBER 4, 2018, REPORT No. 121622263

2	2 ISSUED FOR CITY COMMENTS 1 ISSUED FOR REVIEW		CTL	ILL	20.10.01
1			CTL	ILL	20.08.13
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Client/Project

TC UNITED DEVELOPMENT CORP. 800 INDUSTRIAL AVENUE UNIT 9-100

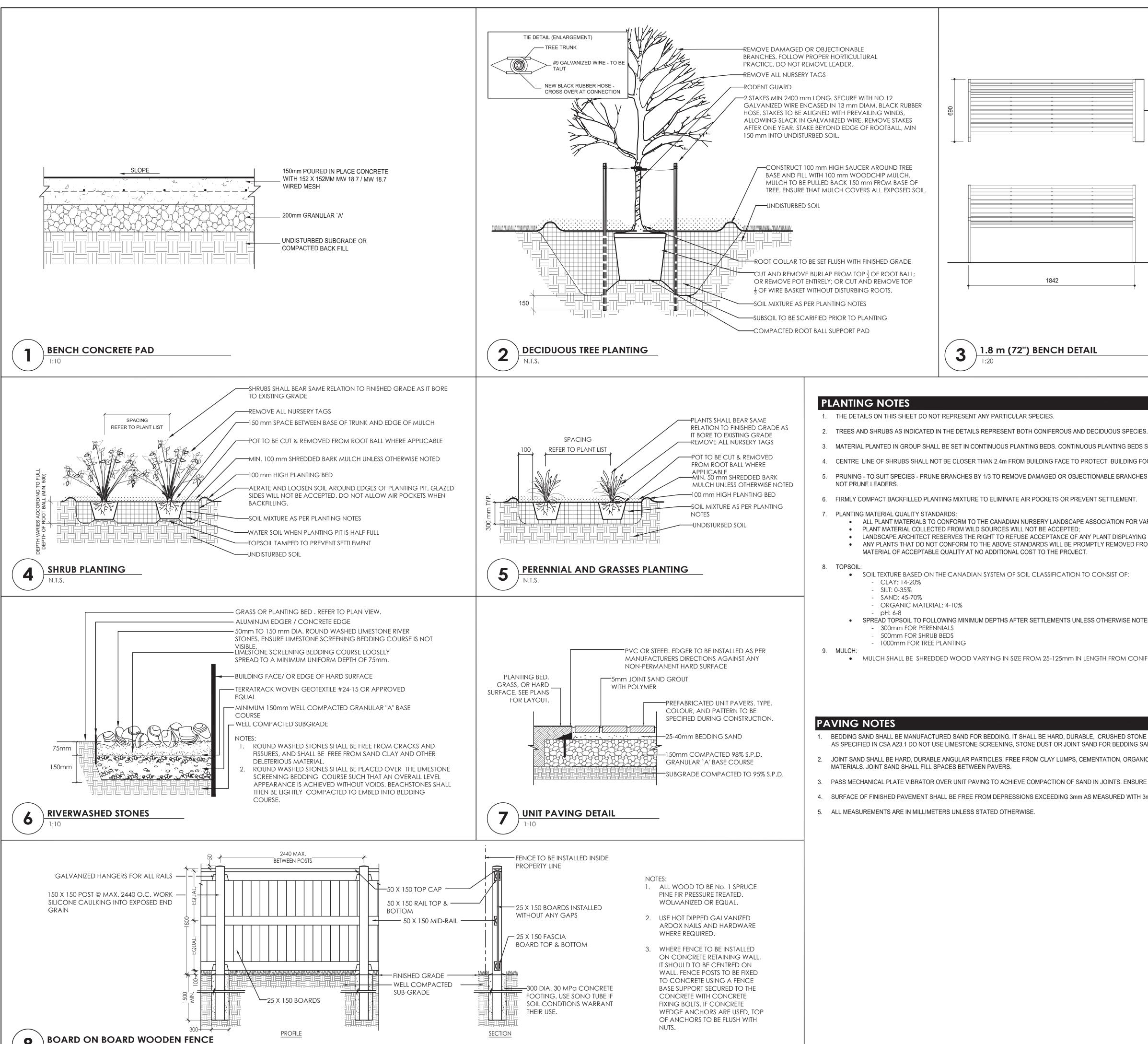
6 STORY MIXED USE BUILDING 1155 JOSEPH CYR STREET OTTAWA, ON

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LANDSCAPE PLAN

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Drawing No.	Sheet	Revision

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ORIGINAL SHEET - ARCH D



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Legend

SCARBOROUGNBENCH (TYP.) AS PER

GUIDE FOR FREESTANDING UNIT.

 $\frac{3}{8}$ (10) NON-CORROSIVE BOLTS

PROVIDED BY OTHERS.

REMOVE TO SURFACE MOUNT. (4) Ø

RECOMMENDED FOR ANCHORING,

MANUFACTURER, OR APPROVED

LANDSCAPE FORMS

EQUIVALENT

- TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY STANTEC GEOMATICS LTD. DATED AUGUST 16, 2018.
- SITE PLAN PREPARED BY FIGURR DATED SEPTEMBER
- GEOTECHNICAL REPORT PREPARED BY STANTEC CONSULTING LTD. DATED OCTOBER 4, 2018, REPORT No.

ISSUED FOR CITY COMMENTS CTL ILL 20.10.01 CTL ILL 20.08.13 ISSUED FOR REVIEW By Appd. YY.MM.DD Revision CTL ILL CTL 20.07.09

Dwn. Chkd. Dsgn. YY.MM.DD File Name: 160401587-LB

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Client/Project

TC UNITED DEVELOPMENT CORP. 800 INDUSTRIAL AVENUE UNIT 9-100

6 STORY MIXED USE BUILDING 1155 JOSEPH CYR STREET OTTAWA, ON

LANDSCAPE DETAILS AND NOTES

Project No. Scale VARIES 160401587 Sheet Revision Drawing No. 3 of 3

3. MATERIAL PLANTED IN GROUP SHALL BE SET IN CONTINUOUS PLANTING BEDS. CONTINUOUS PLANTING BEDS SHALL BE ENTIRELY COVERED IN MULCH.

1.8 m (72") BENCH DETAIL

4. CENTRE LINE OF SHRUBS SHALL NOT BE CLOSER THAN 2.4m FROM BUILDING FACE TO PROTECT BUILDING FOOTINGS AND INSULATION.

5. PRUNING - TO SUIT SPECIES - PRUNE BRANCHES BY 1/3 TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICE. DO

1842

6. FIRMLY COMPACT BACKFILLED PLANTING MIXTURE TO ELIMINATE AIR POCKETS OR PREVENT SETTLEMENT.

7. PLANTING MATERIAL QUALITY STANDARDS:

ALL PLANT MATERIALS TO CONFORM TO THE CANADIAN NURSERY LANDSCAPE ASSOCIATION FOR VARIETY, SIZE AND CONDITION;

PLANT MATERIAL COLLECTED FROM WILD SOURCES WILL NOT BE ACCEPTED;

 LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ACCEPTANCE OF ANY PLANT DISPLAYING POOR GROWTH HABITS, INJURY OR DISEASE; ANY PLANTS THAT DO NOT CONFORM TO THE ABOVE STANDARDS WILL BE PROMPTLY REMOVED FROM THE SITE BY THE CONTRACTOR AND REPLACED WITH MATERIAL OF ACCEPTABLE QUALITY AT NO ADDITIONAL COST TO THE PROJECT.

SOIL TEXTURE BASED ON THE CANADIAN SYSTEM OF SOIL CLASSIFICATION TO CONSIST OF:

- SILT: 0-35%

- SAND: 45-70%

ORGANIC MATERIAL: 4-10% 8-6 :Hq

 SPREAD TOPSOIL TO FOLLOWING MINIMUM DEPTHS AFTER SETTLEMENTS UNLESS OTHERWISE NOTED ON DETAILS: - 300mm FOR PERENNIALS

500mm FOR SHRUB BEDS

1000mm FOR TREE PLANTING

MULCH SHALL BE SHREDDED WOOD VARYING IN SIZE FROM 25-125mm IN LENGTH FROM CONIFEROUS TREES.

BEDDING SAND SHALL BE MANUFACTURED SAND FOR BEDDING. IT SHALL BE HARD, DURABLE, CRUSHED STONE PARTICLES, CONFORMING TO GRADATION OF CONCRETE SAND AS SPECIFIED IN CSA A23.1 DO NOT USE LIMESTONE SCREENING, STONE DUST OR JOINT SAND FOR BEDDING SAND.

2. JOINT SAND SHALL BE HARD, DURABLE ANGULAR PARTICLES, FREE FROM CLAY LUMPS, CEMENTATION, ORGANIC MATERIAL, FROZEN MATERIAL AND OTHER DELETERIOUS MATERIALS. JOINT SAND SHALL FILL SPACES BETWEEN PAVERS.

3. PASS MECHANICAL PLATE VIBRATOR OVER UNIT PAVING TO ACHIEVE COMPACTION OF SAND IN JOINTS. ENSURE JOINTS ARE FULL AT COMPLETION OF COMPACTION.

4. SURFACE OF FINISHED PAVEMENT SHALL BE FREE FROM DEPRESSIONS EXCEEDING 3mm AS MEASURED WITH 3m STRAIGHT EDGE.

5. ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS STATED OTHERWISE.