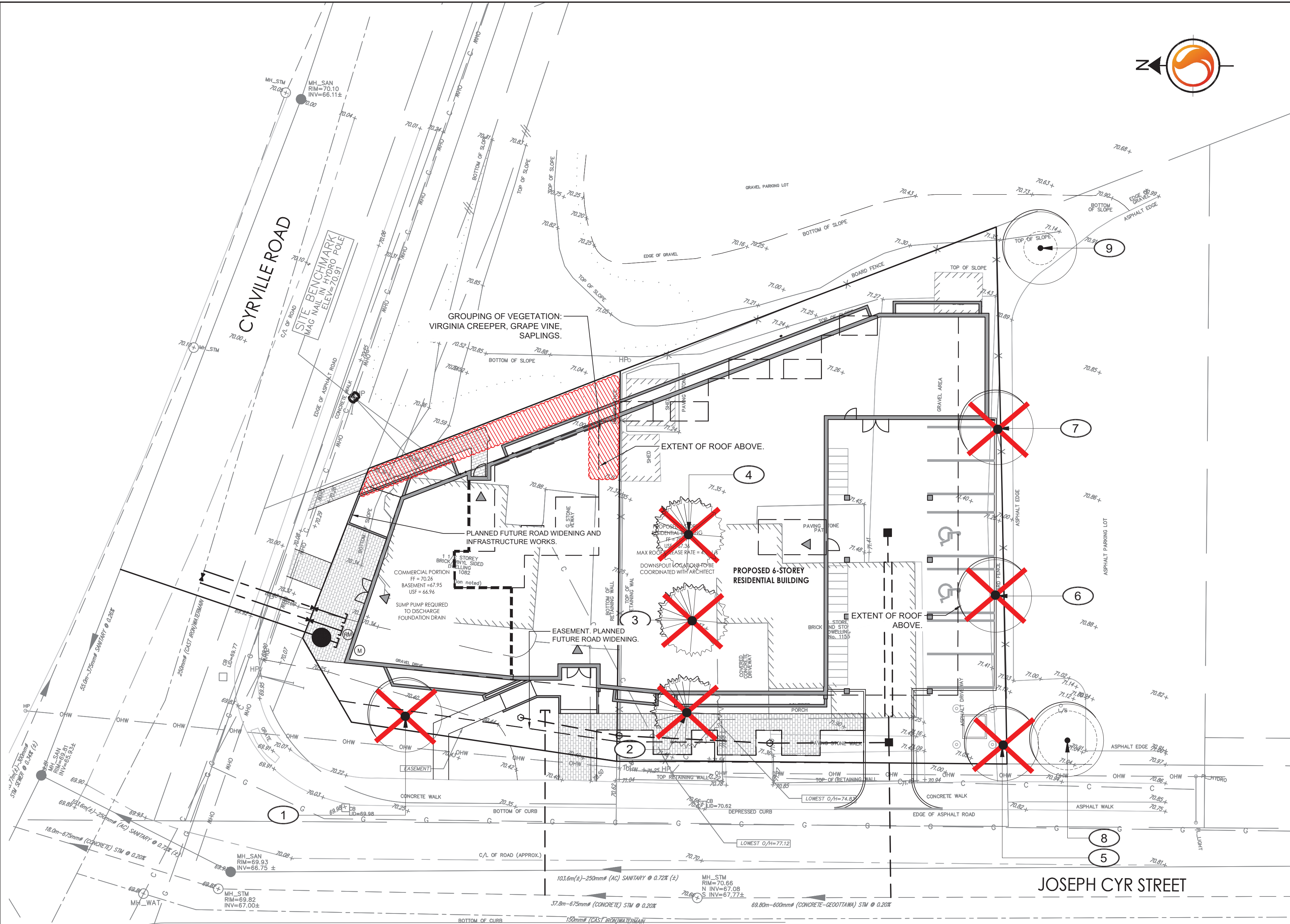


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1 TREE PRESERVATION PLAN

1:200

TREE PRESERVATION NOTES

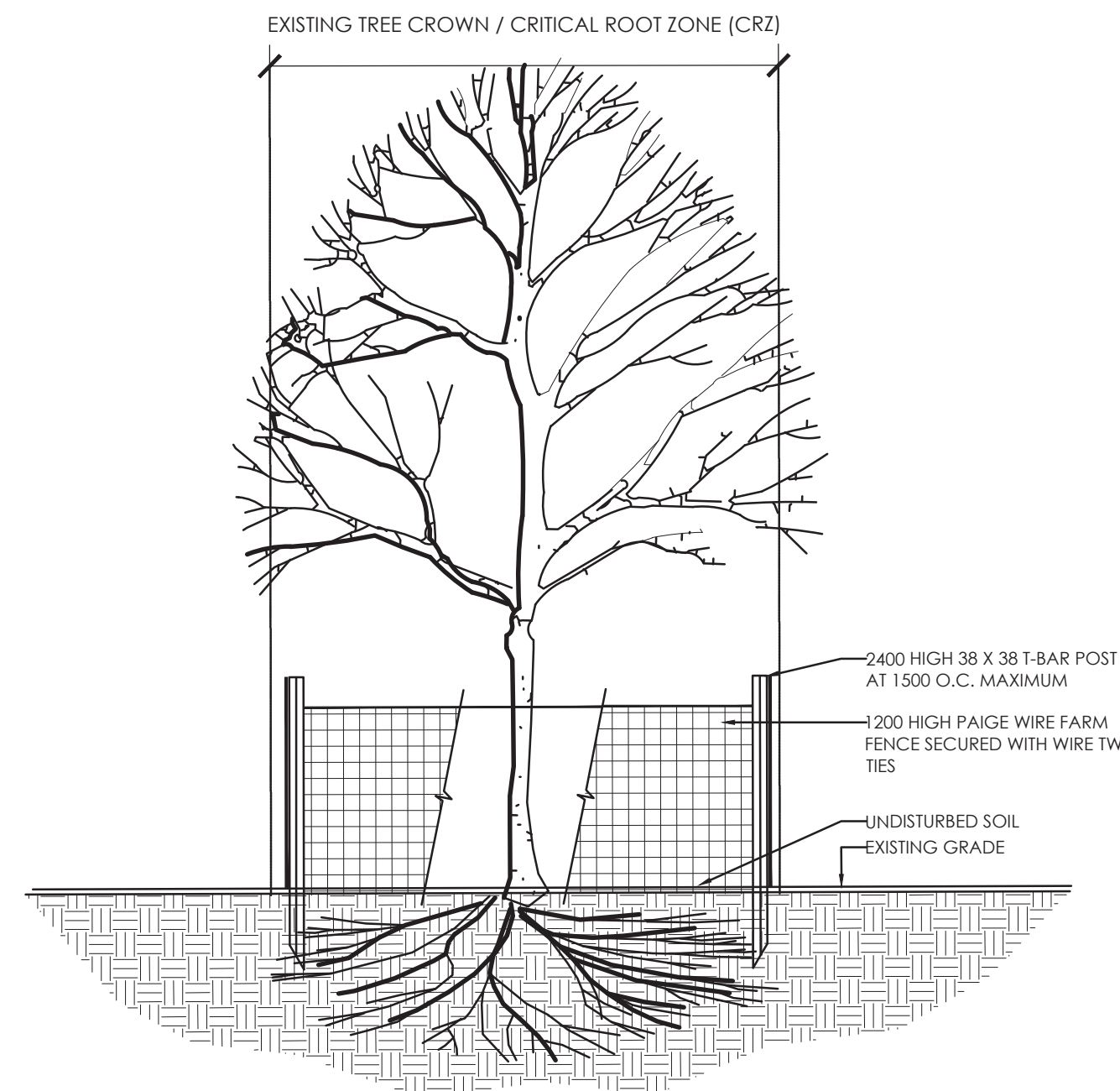
1. NO VEGETATION SHALL BE REMOVED WITHOUT MUNICIPAL WRITTEN APPROVAL.
2. LOCATION OF EXISTING TREES IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.
3. NO VEGETATION REMOVAL SHALL OCCUR BETWEEN APRIL 15 AND AUGUST 15 OF ANY YEAR TO PROTECT BREEDING MIGRATORY BIRDS, AS WELL AS 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 TREES 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.

EXISTING VEGETATION SCHEDULE

TREE ASSESSMENT CONDUCTED: July 13, 2020

PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (cm)	HEALTH/ CONDITION	REMARKS
1	Acer negundo	Manitoba Maple	50	Good	Private Tree, TO BE REMOVED.
2	Picea pungens 'Glauca'	Blue Colorado Spruce	49	Good	Private Tree, Tree has 2 leaders, TO BE REMOVED.
3	Picea pungens 'Glauca'	Blue Colorado Spruce	30	Fair / Poor	Private Tree, Tree has many dead branches, TO BE REMOVED.
4	Picea pungens 'Glauca'	Blue Colorado Spruce	40	Good	Private Tree, Tree has 2 leaders, TO BE REMOVED.
5	Rhamnus cathartica	European Buckthorn	1 @ 18, 1 @ 23	Good	Private shrub, Non-native, Invasive, Multi-trunk (2 trunks), TO BE REMOVED.
6	Acer saccharum	Sugar Maple	1 @ 23, 1 @ 28	Fair	Private Tree, Multi-trunk (2 trunks), Many severed limbs, TO BE REMOVED.
7	Ulmus pumila	Siberian Elm	7-14	Good / Fair	Private Tree, Non-native, Invasive, Multi-trunk. Tree is growing through the board fence, with some trunks being located on the adjacent property, TO BE REMOVED.
8	Acer saccharum	Sugar Maple	23	Good	Private tree located on 1199 Joseph Cyr Street, TO BE PROTECTED.
9	Acer ginnala	Amur Maple	9-13	Good/Fair	Private tree located on 1199 Joseph Cyr Street, Non-native, Invasive, Multi-trunk (7 trunks) tree / large shrub, TO BE PROTECTED.



NOTES:

1. 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 LEADERS.
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.

2 TEMPORARY TREE PROTECTION FENCE - SECTION

N.T.S.

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.
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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Legend

- 000 TREE IDENTIFICATION NUMBER
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- 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

Notes

1. TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY STANTEC GEOMATICS LTD. DATED AUGUST 16, 2018
2. SITE PLAN PREPARED BY FIGURR DATED SEPTEMBER, 2020.
3. GEOTECHNICAL REPORT PREPARED BY STANTEC CONSULTING LTD. DATED OCTOBER 4, 2018, REPORT NO. 121622263.

2	ISSUED FOR CITY COMMENTS	CTL	ILL	20.10.01
1	ISSUED FOR REVIEW	CTL	ILL	20.08.13
Revision		By	Appd.	YY.MM.DD
File Name: 160401587-1B		CTL	ILL	CTL
		Dwn.	Chkd.	Dsgn.

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

Title

CURRENT VEGETATION AND
TREE PRESERVATION PLAN

Project No.
160401587

Drawing No.

Scale
1:200

Sheet






Revision

L100

1 of 3

2

Legend

-  EXISTING DECIDUOUS TREE
-  PROPOSED 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
-  PROPERTY LINE

Notes

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Revision		By	Appd.	YY.MM.DD
File Name:	160401587-LB	CTL	ILL	CTL
		Dwn.	Chkd.	Dsgn.

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

Title

LANDSCAPE PLAN

Project No.
160401587

Drawing No.

L200

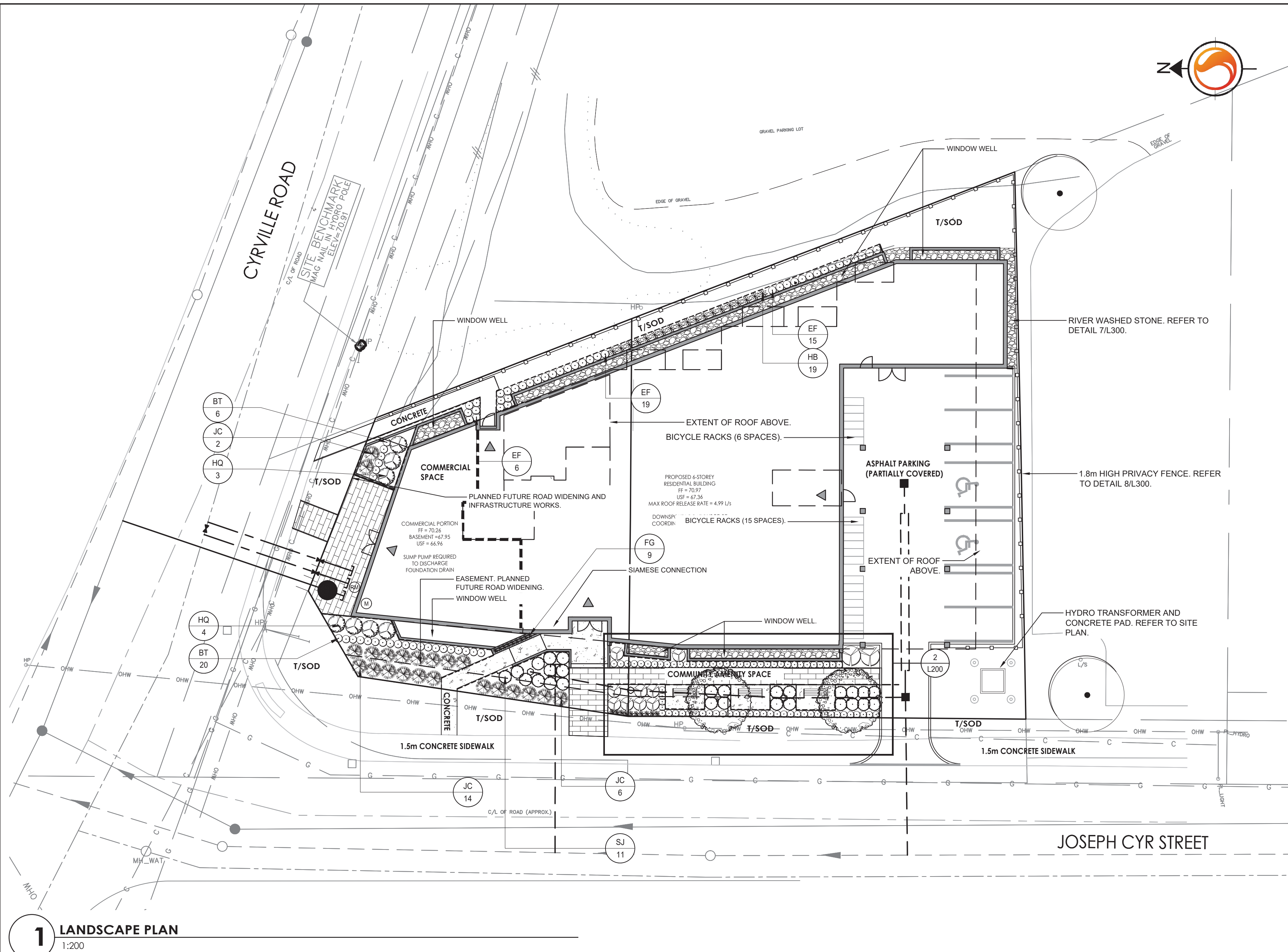
Scale
1:200

Sheet

2 of 3

Revision

2

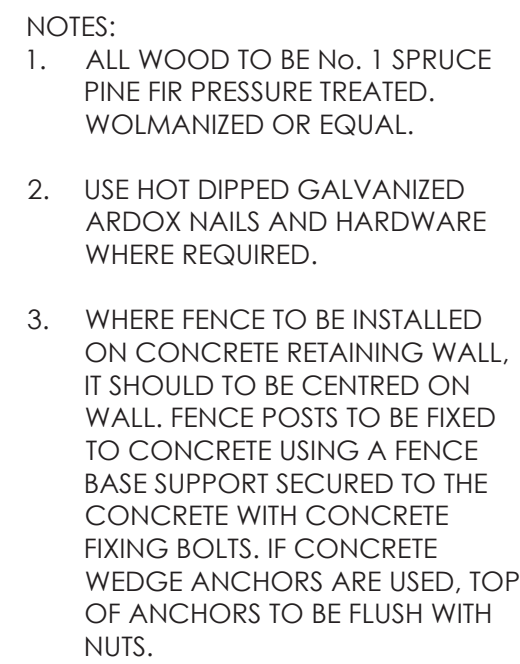
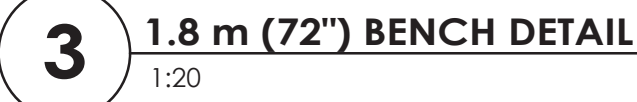




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1 BENCH CONCRETE PAD
1:10



1. 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.

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Revision		By	Appd.	YY.MM.DD
File Name: 160401587-LB		ILL	CTL	20.07.09
		Dwn.	Chkd.	Dsgn.

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

LANDSCAPE DETAILS AND NOTES

Project No. 160401587	Scale VARIES
Drawing No.	Sheet Revision

2