Ottawa, Ontario K1Z 6X6

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GROUND PLANE PLANTING DETAILS

SHEET INDEX

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
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Jason-Emery Groen
Project Architect
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Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Sheet Reviewer

Smith + Andersen
Smith + Andersen
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Equipment Planner
HDR

MARK DATE DESCRIPTION

 10
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 ISSUED FOR 75% DESIGN REVIEW

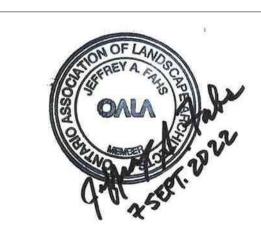
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 02
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 ISSUED 30% CD

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 2021-06-18
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Number 103057

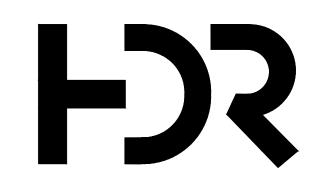


Sheet Name

INDEX SHEET

L-000





The Ottawa Hospital
New Civic Development
Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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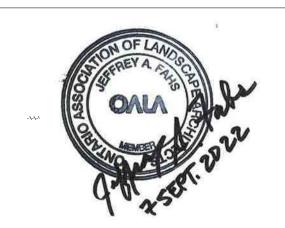
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Project Number

0305722 September 2021



ORIENTATION PLAN

Sheet Number
L-001

PLANTING NOTES

- THE FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE DETERMINED IN THE FIELD UNDER THE DIRECTION OF THE OF THE A/E & O/R.
- 2. SEE SPECIFICATIONS FOR ADDITIONAL PLANTING REQUIREMENTS.
- 3. FOR PLANT LIST AND DETAILS, SEE SHEETS LP100 AND LP501.
- 4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING AND PROPOSED SITE UTILITIES PRIOR TO THE INSTALLATION OF PLANT MATERIAL. IF A CONFLICT ARISES. NOTIFY A/E.
- 5. PROVIDE 3" SHREDDED COMPOSTED HARDWOOD BARK MULCH CONTINUOUS UNDER PLANT MASSINGS AND AROUND INDIVIDUAL PLANTS.
- PERFORM WORK IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS.
- 7. PLANTING SHALL BE GUARANTEED FOR A PERIOD OF TWO GROWING SEASON BEYOND THE TIME OF PLANTING.
- CONTRACTOR SHALL ALLOW FOR THE STAKING OF 10% OF THE TOTAL NUMBER OF SHADE, EVERGREEN, AND ORNAMENTAL TREES.

LAYOUT NOTES

- CONTRACTOR SHALL LAYOUT ALL SITE **ELEMENTS FOR A/E APPROVAL PRIOR** TO INSTALLATION.
- 2. CONTRACTOR SHALL STAKE FENCE LAYOUT FOR A/E APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL LAYOUT ALL SIGNAGE & STRIPING FOR A/E APPROVAL PRIOR TO INSTALLATION.
- 4. ALL CURB CONTROLS, & CURB RADII FROM FRONT FACE OF CURB UNLESS OTHERWISE NOTED.
- WALKWAY DIMENSION FROM FRONT FACE OF CURB.

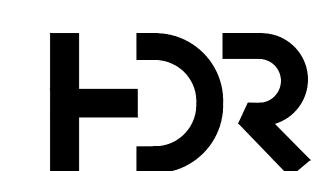
DEMOLITION NOTES

- ALL ITEMS LABELED AS TO BE REMOVED. ARE TO BE DEMOLISHED, REMOVED FROM SITE AND DISPOSED OF LEGALLY.
- 2. ALL HOLES & EXCAVATED PITS DUE TO REMOVAL OF STRUCTURES AND HARDSCAPE SHALL BE FILLED WITH STRUCTURAL FILL AND COMPACTED THOROUGHLY. ALL OSHA SAFETY PRECAUTIONS AND PROCEDURES SHALL BE FOLLOWED.
- ALL PROPER SOIL EROSION CONTROL MEASURES SHALL BE FOLLOWED AS PER PLAN. IF S.E.C. CONTROLS ARE IN THE WAY, THEY MAY BE MOVED IN CLEAR WEATHER ONLY. THEY SHALL BE REPLACED BACK PROPERLY AS SOON AS POSSIBLE OR BEFORE LEAVING THE WORK SITE. ON A DAILY BASIS.
- REMOVE AND PROPERLY CAP AND VALVE ALL UTILITIES AS DIRECTED BY THE UTILITY COMPANY AND OWNER REQUIREMENTS.
- RESET ALL VALVES, CATCH BASINS, MANHOLES AND SURFACE APPURTENANCES, NOT BEING REMOVED, TO FINISH GRADE IN ALL AREAS OF REGRADING AND RESURFACING.
- ALL CONTAMINATED SOIL SHALL BE REMOVED AND LEGALLY DISPOSED OF OFF SITE.
- CONCRETE, BRICK, & ASPHALT TO BE REMOVED SHALL BE CRUSHED INTO AGGREGATE TO BE MIXED INTO SOIL FOR STRUCTURAL FILL.
- ALL GRAVEL AND BASE GRAVEL TO BE REMOVED SHALL BE STOCKPILED WITH CRUSHED RUBBLE AS NOTED.
- ALL TREES TO BE REMOVED SHALL BE TAGGED AND APPROVED BY THE A/E PRIOR TO REMOVAL.
- 10. ALL STUMPS TO BE REMOVED AND PROPERLY DISPOSED OF OFF SITE. IF OPTION TO DISPOSE OF ON SITE PER A/E & OWNER REQUIREMENTS.
- 11. IF CHIPPING, SPREAD ALL CHIPS IN AN EVEN COATING IN AREAS ACCEPTABLE TO A/E & OWNER.
- 12. ALL TREES TO REMAIN SHALL HAVE TREE PROTECTION. TREE PROTECTION SHALL REMAIN UNTIL COMPLETION OF CONSTRUCTION. DISTURBANCE SHALL BE KEPT TO A MINIMUM WHEN WORKING WITHIN TREE PROTECTION AREAS; FENCING SHALL BE UP WHEN AREAS ARE NOT BEING WORKED ON.
- 13. CONTRACTOR SHALL PROVIDE SEPARATE CONTAINERS AND/OR LOCATIONS FOR ALL RECYCLABLE CONSTRUCTION WASTE AND MATERIALS. ALL WASTE AND MATERIALS SHALL BE PLACED IN APPROPRIATE CONTAINERS, OR AREAS FOR PROPER RECYCLING. FOLLOW ALL CONSTRUCTION GUIDELINES AND/OR MANUALS FOR JOB SPECIFIC RECYCLING. RECYCLED MATERIALS TO BE USED ON SITE OR TAKEN TO APPROPRIATE FACILITIES TO INCLUDE. BUT NOT BE LIMITED TO: WOOD, SPECIFIC METALS, GENERAL METAL, PLASTICS, & PAPER. ALL HARDSCAPE SURFACES TO BE CRUSHED FOR REUSE.
- 14. CONTRACTOR, RESPONSIBLE FOR CALLING LOCAL UTILITY COMPANY WITHIN 72 HOURS ADVANCE NOTICE OF ANY EXCAVATION. CONTRACTOR SHALL HAND DIG IN THE VICINITY OF ANY UTILITY CONNECTIONS.
- 15. SEE SHEET C? FOR SITE LAYOUT PLAN.
- 16. SEE SHEET C FOR SITE GRADING PLAN.
- 17. SEE SHEETS C & C FOR SOIL & **EROSION CONTROL PLAN & NOTES.**

GENERAL NOTES

- ALL BASE INFORMATION OBTAINED FROM SURVEY INFORMATION PROVIDED , DATED AS BUILT SURVEY INFORMATION DATED PROVIDED BY
- 2. CONTRACTOR TO COMPLY WITH ALL LOCAL CODES, AUTHORITIES, AND JURISDICTIONS. CONTRACTOR TO COMPLY WITH ALL PERMITTING AND REGULATORY PROCEDURES, CONTRACTOR TO PAY FOR AND OBTAIN ALL PERMITS.
- 3. REMOVE AND PROPERLY CAP AND VALVE ALL UTILITIES AS DIRECTED BY THE UTILITY OWNER.
- RESET ALL VALVES, CATCH BASINS, MANHOLES AND SURFACE APPURTENANCES, NOT BEING REMOVED, TO FINISH GRADE IN ALL AREAS OF REGRADING AND RESURFACING.
- 5. PATCH ALL EXISTING ASPHALT AS REQUIRED.
- COORDINATE POINTS AS MARKED PER CHART ON SHEET
- FOR SITE 7. SEE SHEETS **DEMOLITION PLAN.**
- 8. SEE SHEETS FOR SITE MATERIALS & LAYOUT PLAN.
- 9. SEE SHEETS FOR SITE **GRADING PLAN.** 10. SEE SHEETS FOR SOIL

EROSION CONTROL PLAN.



HDR Architecture Associates Inc 300 Richmond Road, Suite Ottawa, Ontario K1Z 6X6

The Ottawa Hospital **New Civic Development** Parking Garage

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Project Manager **Project Designer** Project Architect Landscape Architect Civil Engineer Structural Engineer **Mechanical Engineer Electrical Engineer** Plumbing Engineer

Interior Designer

Wayfinding

LEA Engineering Smith + Andersen Interior Designer Equipment Planner **Equipment Planner**

Robert Malloy Jason-Emery Groen

Project Architect

Sheet Reviewer Author MARK DATE DESCRIPTION

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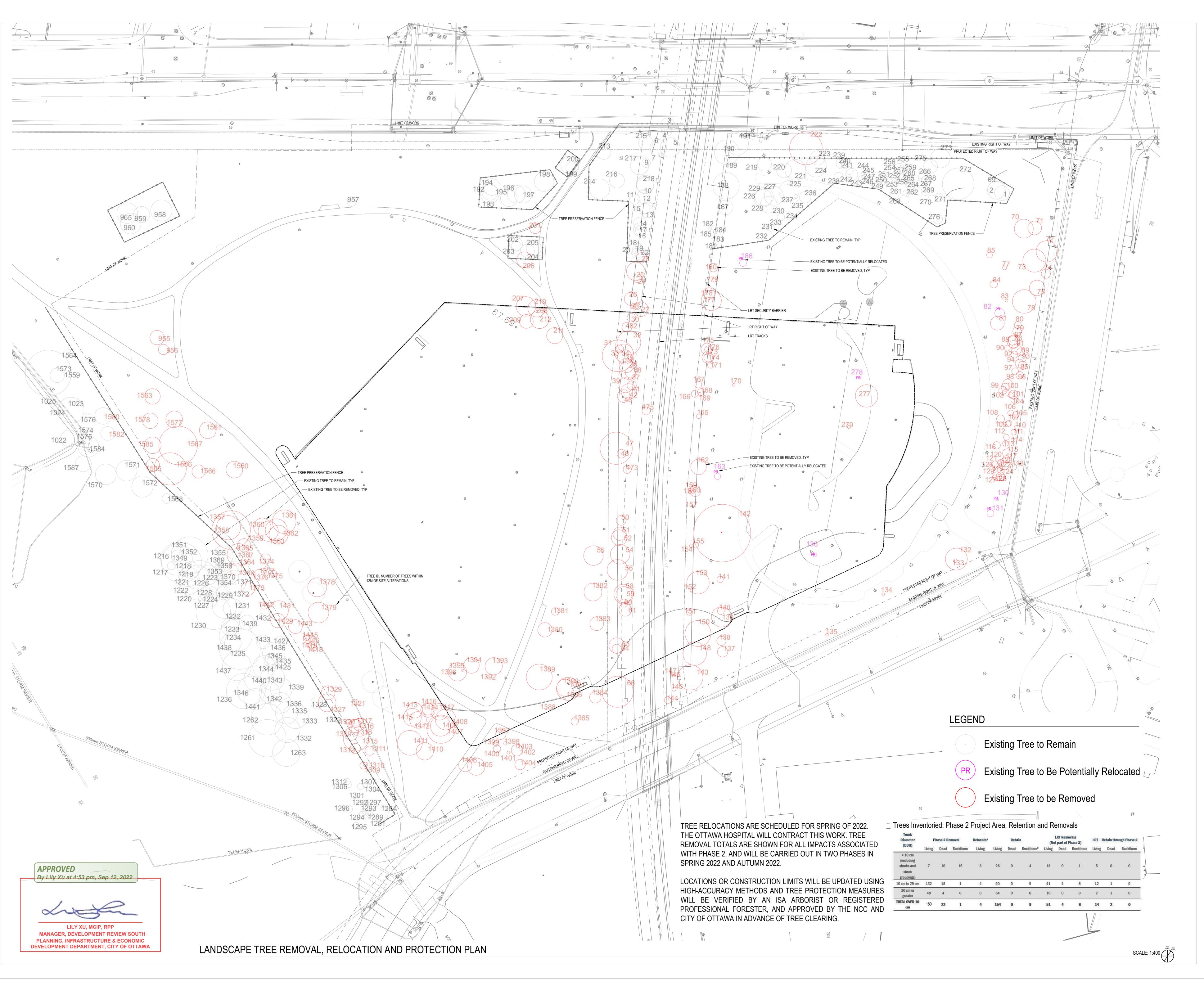
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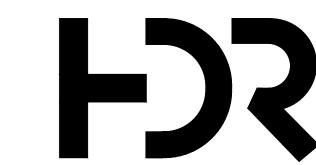


GENERAL, DEMO AND LANDSCAPE NOTES

L-002

Progress Submission





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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Wayfinding

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Project Number 10305722
Original Issue September



LANDSCAPE TREE
PRESERVATION &
REMOVAL PLAN

Sheet Number
LD-101

- On a weekly basis, and/or
- After every 10 mm or greater rainfall event, and/or
- During periods of agricultural drought

Protected vegetation areas will require monitoring as per above to ensure that they are not being impacted by the proposed development. Should impacts be observed, necessary steps will be taken to ensure that the impacted vegetation is either restored or replaced. A record of the impact and measures taken to correct the impact will be documented within 5 business days and will be made available to the NCC/PSPC upon request

CRITICAL ROOT ZONE AND TREE PROTECTION BARRIER

The Critical Root Zone (CRZ) is a defined area around an existing tree wherein tree protection measures should be implemented if site disturbance is planned within the CRZ, or if there is a reasonable likelihood of inadvertent encroachment into the CRZ during site disturbance. The CRZ for the City of Ottawa is calculated as 10 cm from the trunk of a tree for every centimeter of trunk diameter.

- The arborist/forester may adjust this as required based on whether the tree is multi-stemmed, particularly sensitive to root disturbance, or certain situations such as if the roots are constrained by hard surfaces and the majority of roots would be expected to occur on the side where protection is required.
- Tree protection measures will be inspected during a walkthrough by City of Ottawa and NCC forestry staff in advance of tree removals. Where construction activities are required within the CRZ of a retained tree, protection measures that may be considered on a case-by-case basis include placing metal plates or a 20 cm deep layer of coarse mulch overlain by large sheets of 3/4" or greater thickness plywood, in order to distribute pressure and avoid soil compaction and only under the guidance of an arborist/forester. Following completion of activity in the area, the mulch should be spread to between 8-10 cm thick around the base of the tree.

The Tree Protection By-law requires that anyone working near protected trees must, unless otherwise authorized by the City:

- Erect a 1.2 m high fence around the outer edge of the critical root zone CRZ of trees prior to beginning other site work, and maintain the fence until the work is complete;
- Not place any material or equipment within the CRZ of the tree;
- Not raise or lower the existing grade within the CRZ of a tree;
- Not extend any hard surface or significantly change landscaping within the CRZ of a tree;
- Not attach any signs, notices or posters to any tree, except as required by this by-law for trees to be removed;
- Not damage the root system, trunk or branches of any tree; and
- Ensure that exhaust fumes from equipment are not directed towards any tree's canopy.

SPECIES AT RISK AND WILDLIFE

BUTTERNUT

Butternut is listed as Endangered under the ESA (Endangered Species Act, 2007) and the SARA (Species at Risk Act, 2002). One Butternut tree has been tentatively identified within the project area and will be flagged during the site walkthrough. The Butternut tree is located approximately 90 m from the limits of construction activity and is not expected to be impacted, therefore no further protection is required at this time.

WILDLIFE INCLUDING SAR

General Provisions (Adapted from (https://documents.ottawa.ca/en/files/protocol-wildlife-protection-during-construction [documents.ottawa.ca]))

- Watch out for wildlife while driving, and avoid hitting them, provided that it is safe to do so.
- Prior to beginning work each day, check for wildlife by conducting a thorough visual inspection of the work space and immediate surroundings.
- Restrict all activities, vehicles and materials to the designated work space. Do not disturb areas identified for retention.
- Secure stockpiled materials, vehicles and structures against wildlife entry.
- Exclusion measures should be applied as warranted to prevent nesting/roosting in stockpiles including mulch piles or within any buildings/structures that are constructed.
- Litter and other waste materials must be appropriately contained and promptly disposed of.
- Do not feed any wildlife or leave food out where it could attract them.
- As a general precaution, tree and vegetation removals (including mowing of tall grass) shall be conducted outside of ECCC's bird nesting window for the Ottawa region (April 8 to August 31). Tree removal of individual cavity trees or of trees in wooded habitats should be conducted prior to April 1 or after September 30th to avoid impacts to bats.
- If vegetation removal is required during the breeding bird season, a nest sweep should be completed daily by a qualified biologist prior to construction to verify nesting activity, and to inspect for leaf-roosting bats.
- •• It is highly recommended that cavity trees are not removed during the active bat season, therefore these removals should be prioritized and scheduled accordingly. If tree removal works are to occur between April 1 and April 7, or between September 1-30, the site must be pre-stressed to avoid impacts to bats. Refer to City of Ottawa Protocol for Wildlife Protection during Construction
- (https://documents.ottawa.ca/en/files/protocol-wildlife-protection-during-construction [documents.ottawa.ca]). If works will occur between April 1 and April 7, or between September 1-30, surveys for bats must be carried out by a qualified biologist for bats - i.e. a person who has demonstrated experience at identifying potential bat habitat in the Ottawa region; an avian expert who is also a qualified biologist for bats may also conduct the surveys.
- If an active nest or roost is found within the work area, at any time (including times outside of the typical nesting season), ECCC must be contacted for species protected under the MBCA and/or the SARA, and MECP must be notified for species protected under the ESA. Construction in the vicinity must cease until the young birds have fledged or the nest is otherwise abandoned. A setback from the nest (e.g., 30 m) should be identified and the area demarcated to ensure work does not occur within the setback limits. ECCC should be consulted to determine the setback limits. For health and safety reasons, and for protection of animals, removal and relocation of mammals must only be done by qualified and properly equipped personnel. Call the Rideau Valley Wildlife
- For health and safety reasons, and for protection of animals, removal and relocation of mammals must only be done by qualified and properly equipped personnel. Call the Rideau Valley Wildlife Sanctuary at (613) 258-9480 for assistance.
- For injured wildlife, call the Ottawa Humane Society Emergency Services at (613) 725-1532.
- For injured birds, call the Wild Bird Care Centre at (613) 828-2849.
- Scratches and bites from animals, whether domestic or wild, can result in serious infections and/or transmit diseases. Seek medical treatment immediately

Wildlife Encounters (Adapted from (https://documents.ottawa.ca/en/files/protocol-wildlife-protection-during-construction [documents.ottawa.ca]).:

- Do not harm any wildlife. Many species are protected under provincial and/or federal legislation.
- Legal protection of egg-laying species applies to their eggs as well. Penalties for contravening these Acts can be severe.
- Stand back and allow the animal to leave the site. Wildlife may be encouraged to move away from the work area by shouting, waving of arms, clapping of hands or gentle redirection using a push broom. Contact project biologist / wildlife service provider for assistance if needed (e.g., if young animals are found). Do not unnecessarily harass any wildlife.
- Turtles may need to be helped to safety. Our most common species, Painted and Snapping Turtles, are protected under the Fish and Wildlife Conservation Act, 1997. Snapping Turtle is also protected under the SARA as is Blanding's Turtle, which occurs within the Ottawa area. If one of these turtles is found in the work area, it can be gently removed to a safe location nearby. Wear gloves, or use a broom to steer the turtle into a bucket or other container. Handle with care to avoid injury to the turtle or yourself, particularly when dealing with Snapping Turtles, which may bite or scratch. Turtles may also wet themselves when handled. Also refer here for handling information: https://files.ontario.ca/environment-and-energy/species-at-risk/mnr_sar_tx_sar_hnd_mnl_en.pdf [files.ontario.ca]
- Most of Ottawa's snakes are protected under the Fish and Wildlife Conservation Act, 1997. None of them are venomous, but bites may cause infections. Some produce a foul-smelling musk when handled, instead of biting. Snakes will usually try to escape or hide when disturbed, and only defend themselves when trapped. If a snake is found in the work area, it should be gently herded out to a safe location.
- Stop work immediately if any species protected under the Endangered Species Act, 2007 or the Species at Risk Act (2002) are seen in or near the work site. Take a photograph if possible, to confirm the sighting, and contact the project biologist at (613) 218-1186. Additional measures to avoid impacts may be required by Environment and Climate Change Canada before work can restart.

TREE RELOCATION

Tree ID	Name Name	Scientific Name	DBH	Stems	CRZ	Condition	Condition Notes
82	Apple sp	Malus sp.	17	1	1.7	2: Good	minor dieback
130	Sugar Maple	Acer saccharum	4	1	0.4	1: Excellent	
131	Hackberry	Celtis occidentalis	12	1	1.2	2: Good	very low scaffold branches
136	Red Maple	Acer rubrum	7	1	0.7	1: Excellent	
163	Ohio Buckeye	Aesculus glabra	11	1	1.1	1: Excellent	
186	Ohio Buckeye	Aesculus glabra	12	1	1.2	1: Excellent	
278	Hackberry	Celtis occidentalis	3	1	0.3	3: Fair	Broken leader to be pruned

- A qualified Tree Relocation Expert must be retained by the contractor to carry out the relocation of 7 identified trees in spring 2022.
- All trees to be relocated will be identified on site with an informative tag and will be reviewed during a site walkthrough
- The Tree Relocation Expert will conduct a site visit in advance of tree removals to confirm the suitability of each tree identified for relocation and if any additional trees may be suitable, they will also be identified at this time.
 - Once relocations have been confirmed, the total tree removals will be updated by the project arborist, and the Tree Cutting Permit will be updated.
- The Tree Relocation Expert, in coordination with all other proponents, will review the recommended destination for the trees to be relocated to ensure site suitability and access. This should be done at the same time as the site visit to identify the potential trees to be relocated.
- If any locations are determined to be unsuitable, or if additional locations are required, new locations will be provided by the project landscape team and confirmed with the Tree Relocation Expert.

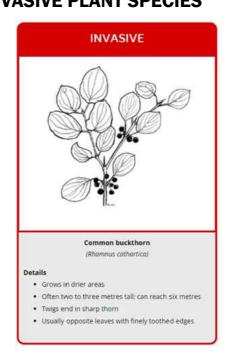
ROOT PRUNING PRACTICES

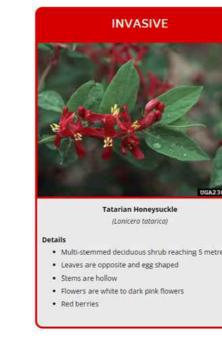
Root damage can be minimized by restricting equipment in the vicinity of the existing trees and limiting equipment and materials storage area within proximity to retained trees and shrubs. In general, roots 100 mm in diameter or larger should be considered structural roots. If there is any question about whether a tree's stability may be affected, a qualified Arborist should be consulted.

- Air spades or hydrovac should be used where exposure of roots is required.
- Root pruning should occur prior to the start of construction to prevent drying out of roots, increase root regeneration, and minimize damage to root systems during construction. Roots should be pruned to the limit of excavation and to a depth of 1 m or the maximum depth of root penetration (whichever is greater). All pruning should be done with clean, approved root-pruning equipment and under the supervision of a qualified Arborist.
- Any roots that are severed during construction should be cut cleanly to minimize decay and entry points for disease. If roots will be exposed for more than a few hours, they should be protected from drying with the application of mulch that is kept moist (but not saturated).
- Pruned root ends shall be neatly and squarely trimmed and the area shall be backfilled with clean native fill as soon as possible to prevent drying and promote root growth.
- The exposed roots shall not be allowed to dry out and an appropriate watering schedule shall be undertaken (e.g., water bi-weekly to field capacity between June 1st and September 15th) so that the roots maintain optimum soil moisture during construction and backfilling
- Measures to minimize root loss: When it is necessary to excavate within the tree protection zone of trees and shrubs, pre-cutting of the roots must be carried out in order to avoid lifting or tearing the roots. This working method consists of slicing the ground and cutting the roots of trees and shrubs, for example using a concrete saw and then stripping the ground. The depth of the pre-cut must be at least 500 mm. If roots 50 mm in diameter or more are encountered at a depth of more than 500 mm, they should be cut cleanly with a sharp tool. Backfilling must be done with topsoil to a depth of no more than 500 mm. An NCC representative or a consultant arborist may request the application of an anti-desiccant agent to the foliage or take any other measure aimed at reducing evapotranspiration. For all trees and shrubs whose roots are exposed during work, the root system must be kept moist to avoid desiccation and death of the rootlets.

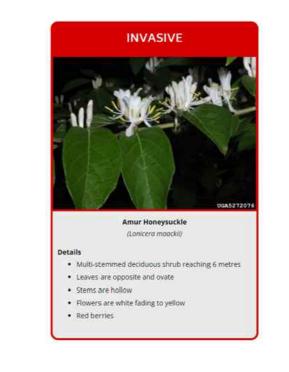
INVASIVE SPECIES REMOVAL

INVASIVE PLANT SPECIES









- Heavy equipment must be cleaned and free of invasive species prior to entering and before leaving the construction site. Best Management Practices from the Invasive Ontario Plant Council (https://www.ontarioinvasiveplants.ca) should be applied to prevent the spreading of invasive species into and
- Areas of invasive brush clearing (European Buckthorn and isolated Invasive Honeysuckles) will be identified in the site walk-through (clusters throughout LRT corridor and Carling Avenue Woodlot)
- Prevent spread by moving from outside edge inwards during removal efforts; and
- Strip areas with identified dominant invasive species last so that equipment does not track propagules or seeds into uncontaminated areas; OR
- Clean equipment in accordance with the above Clean Equipment Protocol when moving from an invasive contaminated work area into a clean area Disposal of invasive species at a Municipal land fill that accepts organic waste
- Comprehensive long-term removal strategies and monitoring are not required at this stage and will be incorporated into future site plans.

Emerald Ash Borer

- Canadian Food Inspection Agency (CFIA) Directive (D-03-08): Phytosanitary Requirements to Prevent the Introduction into and Spread within Canada of the Emerald Ash Borer (EAB) Agrilus planipennis (Fairmaire) restricts the movement of all Ash material including wood, bark, chips or bark chips from being transported outside of the Regulated Area. A Movement Certificate is required by the CFIA for any Ash material leaving the Regulated Area.
- Ash are permitted to be chipped on site and/or removed or cut down and removed from site. Chipped Ash material that is to remain on site must be ground or chipped to a size of less than 2.5 cm in any two dimensions. All Ash material chipped or whole that is to be removed from site must be disposed of at the City of Ottawa Trail Road Waste Facility.
- A Movement Certificate is not required to dispose of project related ash trees at the Trail Road Facility.

Dutch Elm Disease

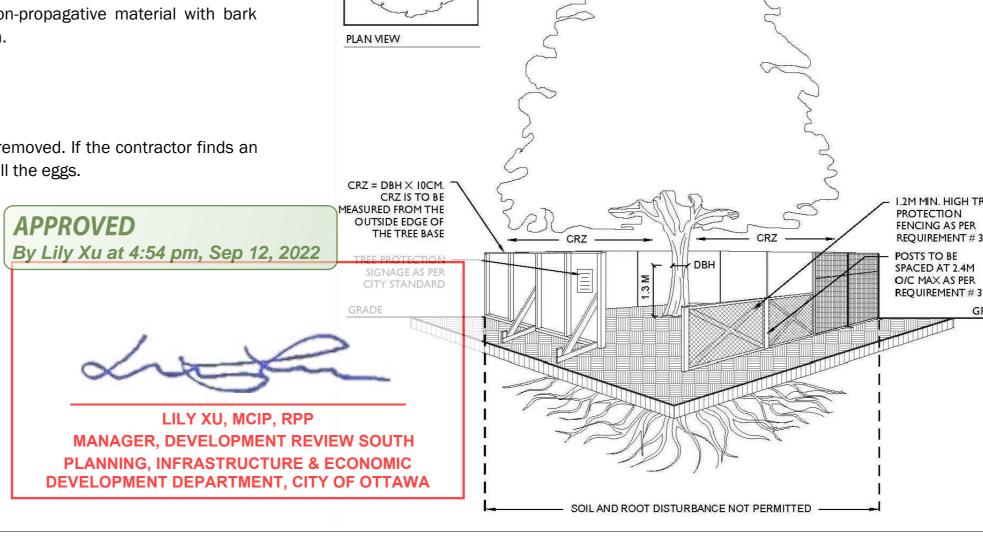
- CFIA Directive (D-97-07): Phytosanitary Requirements for the Importation from the United States and Domestic Movement of Elm Material (*Ulmus* spp. and Zelkova spp.) to Prevent the Introduction and Spread of Dutch Elm Disease Ophiostoma ulmi (Buisman) Nannf. and Ophiostoma novo-ulmi (Brasier) within Canada restricts the movement of all Elm material including propagative material, including nursery stock, and non-propagative material with bark attached such as logs, lumber, firewood, crates and isolated bark of all species, hybrids and horticultural cultivars of elm.
- Elm infected with Dutch Elm Disease should be buried, debarked, burned or chipped.

LDD Moth

• The contractor must verify that no LDD moth egg masses are located on the trunk and/or branches of the trees to be removed. If the contractor finds an egg mass, it is recommended that this egg mass be removed and disposed of in a bag or recipient with soapy water to kill the eggs.







BRANCH PRUNING PRACTICES

The following are standard BMPs for branch pruning:

- Due to the removal of trees within the project area, is not expected that pruning will be required at this phase, however if pruning is required, the contractor must identify any pruning requirements in advance for confirmation with the City of Ottawa and the NCC.
- Limbs that may interfere with construction, including those that may overhang the work area, should be pruned utilizing by-pass secateurs by a qualified Arborist. All pruning shall be completed as per the American National Standard (ANSI) A300 (Part 1) - Pruning (International Society of Arboriculture 2008).
- All limbs damaged or broken during construction should be pruned cleanly, utilizing by-pass secateurs in accordance with approved horticultural practices. Should there be a potential risk of transfer of disease from infected to non-infected trees; tools must be disinfected after pruning each tree by dipping in methyl hydrate. This practice is particularly important during periods of tree stress and when pruning many members of the same genera, within which a disease could be spread quickly (i.e., Verticillium Wilt on Maples or Fireblight on genera of the Rosaceae family).
- Pruning cuts should be reduction cuts wherever possible and made to a growing point such as a bud, twig, or branch of approximately 1/3 diameter of the branch being pruned.
- Removal cuts should not exceed 10% of the total cuts made on each individual tree, and cuts should be made just outside the branch collar (the swollen area at the base of the branch that sometimes has a bark ridge), and perpendicular to the branch being pruned rather than as close to the trunk as possible. This minimizes the site of the wound. No stubs should be left. Poor cut location, poor cut angle and torn cuts are not acceptable.
- Extensive pruning is best completed before plants break dormancy.
- Pruning should be limited to the removal of no more than 20% of the total bud and leaf bearing branches. Pruning should include the careful removal of:
- Deadwood
- Branches that are weak, damaged, diseased and those which will interfere with construction activity
- Secondary leaders of conifers
- Trunk and root suckers
- Trunk waterspouts
- Tight V-shaped or included bark in unions
- Secondary or competing leaders to promote single stem structure in large canopy species

TREE REMOVAL PHASING

Tree Removals as part of Phase 2 will occur in 3 phases:

- Phase 1: Early Works, Queen Juliana Park and NCC Parking Lot
- Phase 2: LRT Corridor
- Phase 3: Road B, MUP Widening, and remaining shrub clearing

Phase 1 and Phase 2 will be carried out in Spring 2022, under an existing landscape maintenance contract with TOH. Phase 3 will be carried out in Autumn 2022, under the direction of the Contract Manager for the Phase 2 Parking Garage. The timing of all tree removals is subject to timing windows (see: Timing Windows for Tree Removals).

TREE REMOVAL

TIMING WINDOWS FOR TREE REMOVALS

To minimize impacts to wildlife and ensure compliance of the Migratory Birds Convention Act (MBCA), 1994, the Species at Risk Act (SARA) 2002 and the Endangered Species Act (ESA), 2007, the following is recommended:

- As a general precaution, tree and vegetation removals (including mowing of tall grass) shall be conducted outside of ECCC's bird nesting window for the Ottawa region (April 8 to August 31). Tree removal of individual cavity trees or of trees in wooded habitats should be conducted prior to April 1 or after September 30th to avoid impacts to bats.
- If vegetation removal is required during the breeding bird season, a nest sweep should be completed daily by a qualified biologist prior to construction to verify nesting activity, and to inspect for leaf-roosting bats.
- It is highly recommended that cavity trees are not removed during the active bat season, therefore these removals should be prioritized and scheduled accordingly. If tree removal works are to occur between April 1 and April 7, or between September 1-30, the site must be pre-stressed to avoid impacts to bats. Refer to City of Ottawa Protocol for Wildlife Protection during Construction (https://documents.ottawa.ca/en/files/protocol-wildlife-protection-during-construction [documents.ottawa.ca]). If works will occur between April 1 and April 7, or between September 1-30, surveys for bats must be carried out by a qualified biologist for bats - i.e. a person who has demonstrated experience at identifying potential bat habitat in the Ottawa region; an avian expert who is also a qualified biologist for bats may also conduct the surveys.
- If an active nest or roost is found within the work area, at any time (including times outside of the typical nesting season), ECCC must be contacted for species protected under the MBCA and/or the SARA, and MECP must be notified for species protected under the ESA. Construction in the vicinity must cease until the young birds have fledged or the nest is otherwise abandoned. A setback from the nest (e.g., 30 m) should be identified and the area demarcated to ensure work does not occur within the setback limits. ECCC should be consulted to determine the setback limits.
- **REMOVAL AND GRUBBING**
- All trees removed within the Phase 2 Project Area as delineated by construction site exclusion fencing should be grubbed to remove the
- stump and roots. • If isolated trees (e.g. dead, hazard, invasive) are removed outside of the Phase 2 Project Area fencing, or if fencing is not in place in advance of removals, all trees and shrubs should be cut to a stump.
- Trees may be mulched on site, however mulch should not be stored long term. All mulch piles must be located within the Phase 2 construction site exclusion fencing, or must otherwise be excluded to prevent entry by wildlife. • Certain trees are expected to be identified for reclamation on site as lumber. These trees will be identified by tags and during the site

LANDSCAPE TREE PRESERVATION DETAIL

- TREES MAY BE PROTECTED INDIVIDUALLY, OR AS A GROUPING.
- THE SAME STANDARDS APPLY TO ALL TREES TO BE PROTECTED
- A TREE PROTECTION FENCING INSPECTION WILL BE CARRIED OUT BY THE CITY OF OTTAWA AS A CONDITION OF THE TREE CUTTING PERMIT

walk-through. Specific requirements will be outlined for the preparation, cutting, and storage of these trees.

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 - 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 ENSURE THAT EXHAUST FUMES FROM ALL EQUIPMENT ARE NOT
- DIRECTED TOWARD ANY TREE CANOPY. - DO NOT EXTEND HARD SURFACE OR SIGNIFICANTLY CHANGE 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.
- 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.

HDR Architecture Associates Inc 300 Richmond Road, Suite

Ottawa, Ontario K1Z 6X6

The Ottawa Hospital **New Civic Development** Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Robert Malloy **Project Manager** Jason-Emery Groen Project Designer Project Architect Project Architect Landscape Architect Jeff Fahs Civil Engineer Civil Engineer LEA Engineering Structural Engineer **Mechanical Engineer** Smith + Andersen Smith + Andersen **Electrical Engineer** Smith + Andersen Plumbing Engineer

Wayfinding Author Sheet Reviewer MARK DATE DESCRIPTION

Interior Designer

Equipment Planner

ISSUED FOR SPC APPROVAL ISSUED FOR NCC REVIEW ISSUED FOR CM PRICING ISSUED FOR TREE CUTTING PERMIT ISSUED FOR SPC RESUBMISSION 2022-01-14 ISSUED FOR SPC RESUBMISSION 2021-09-22 ISSUED FOR SPC SUBMISSION

2021-06-18 ISSUED FOR SD SUBMISSION

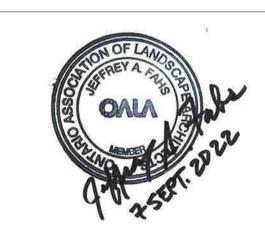
2021-09-03 ISSUED 30% CD

Interior Designer

Equipment Planner

Project Number

Original Issue



LANDSCAPE TREE **PRESERVATION DETAIL**

Sheet Number LD-102

Progress Submission

APPROVED By Lily Xu at 4:54 pm, Sep 12, 2022 LILY XU, MCIP, RPP MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ARTSTRUCTURE ATTACKED COMMENT DEPARTMENT, CITY OF OTTAWA

Clean Equipment Protocol for Industry – Summary

Invasive species are plants, animals and microorganisms that have been accidentally or deliberately introduced into areas beyond their normal range, that out compete native species. Invasive species are a major threat to Ontario's natural areas, and are very costly to deal with once established.

Invasive species can be spread to new areas by contaminated mud, gravel, soil and plant materials on vehicles and machinery.

The best practice is to prevent the spread of invasive species. By inspecting and cleaning equipment and following some simple guidelines, the risk of spreading invasive plants is greatly reduced.

- Identify invasive plants and plan activities accordingly (i.e. schedule work in areas without invasive plants first, leaving infested areas til the end, to reduce the risk of unintentionally moving plants into a new area).
- Record & report sightings of invasive plants
 (Invading Species hotline at 1-800-563-7711 or online www.invadingspecies.com/report/ or
- www.eddmaps.org/Ontario)
- Inspect vehicles and machinery before and after entering sites or conducting work along roadways & waterways.

How to Inspect

Before leaving the site, inspect the vehicle thoroughly inside and out for where dirt, plant material and seeds may be lodged or stuck to interior and exterior surfaces. Remove and clean any guards, covers or plates that are easy to remove.

Pay attention to the underside of the vehicle, radiators, spare tires, foot wells and bumper bars. If clods of dirt, seed or other plant material are found, remove immediately and discard where the contamination occurred or in the garbage.

When Cleaning is required

- Safely locate the vehicle and equipment away from any hazards, ensure engine is off and the vehicle or equipment is immobilized.
- Clean the vehicle/equipment in an appropriate area where contamination and seed spread is not possible (or limited).

The site should be:

- » Mud free, gravel covered hard surface, or, if this is not available, a well maintained grassy area.
- » Gently sloping to assist in draining water and material away from the vehicle or equipment. Care should be taken to ensure that localized erosion will not be created.
- » At least 30m away from any watercourse, water body and natural vegetation.
- » Large enough to allow for adequate movement of larger vehicles and equipment.

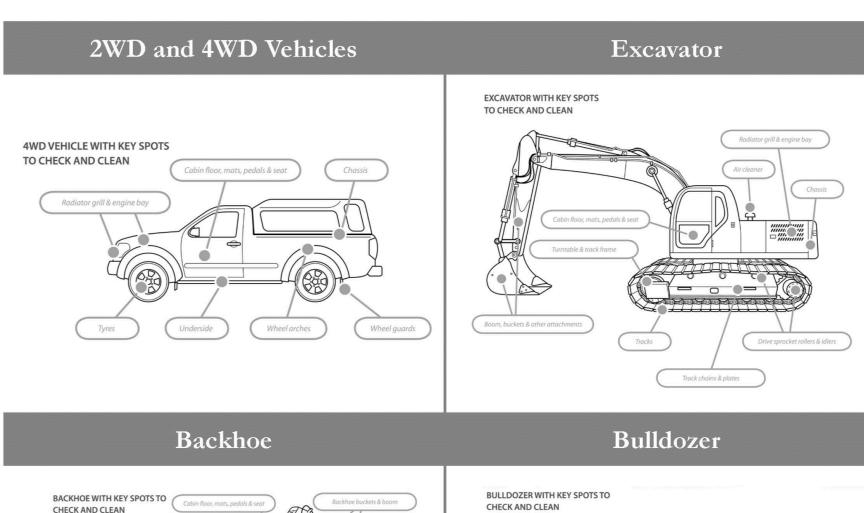
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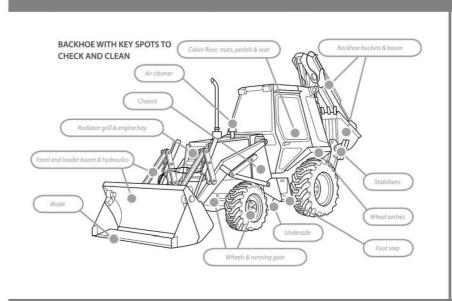
Clean Equipment Protocol for Industry

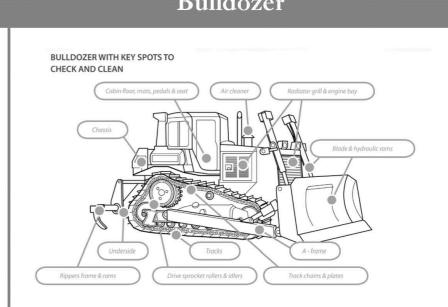
SUMMARY

Ontario Invasive Plant Council

Equipment Required	Final Inspection Checklist					
A pump and high pressure hose OR High pressure water unit	No clods of dirt should be visible after cleaning.					
Air compressor and blower OR Vacuum	Radiators, grills and the interiors of vehicles					
Shovel	should be free of accumulations of seed, soil, mud and plant material parts including					
Pry bar	seeds, roots, flowers, fruit and or stems.					
Stiff brush or broom						















Clean Equipment Protocol for Industry

SUMMARY

Ontario Invasive Plant Council



HDR Architecture Associates Inc. 300 Richmond Road, Suite 200

Ottawa, Ontario K1Z 6X6

The Ottawa Hospital
New Civic Development
Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager Project Designer Robert Malloy Jason-Emery Groen Project Architect **Project Architect** Landscape Architect Jeff Fahs Civil Engineer
Structural Engineer Civil Engineer LEA Engineering Mechanical Engineer Smith + Andersen Electrical Engineer Plumbing Engineer Smith + Andersen Interior Designer Equipment Planner Interior Designer Equipment Planner

Wayfinding HDR
Sheet Reviewer Author

MARK DATE DESCRIPTION

 11
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 ISSUED FOR SPC APPROVAL

 10
 2022-04-25
 ISSUED FOR NCC REVIEW

 09
 2022-04-04
 ISSUED FOR CM PRICING

 08
 2022-03-25
 ISSUED FOR TREE CUTTING PERMIT

 07
 2022-02-28
 ISSUED FOR SPC RESUBMISSION

 06
 2022-02-28
 ISSUED FOR 100% TOH DESIGN REVIEW

 05
 2022-01-19
 ISSUED FOR 75% DESIGN REVIEW

 04
 2022-01-14
 ISSUED FOR SPC RESUBMISSION

 03
 2021-09-22
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 2021-09-03
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 2021-06-18
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Original Issue



CLEAN EQUIPMENT PROTOCOL

Sheet Number
LD-103

Appendix A: Phase 2 Parking Garage Tree Inventory Data, Updated March 18, 2522

New Civic Development for the Ottawa Hospital

Date Range of Fieldwork March 8-23, 2021

Accuracy: 1-3 m

Order This tree Inventory Data has been updated following the results of high-accuracy survey of site impact limits, field review of relocation candidates, and updated conditions, as of March 17th 2022

Accuracy: 1-3 m

Note: This tree Inventory Data has been updated following the results of high-accuracy survey of site impact limits, field review of relocation candidates, and updated conditions, as of March 17th 2022

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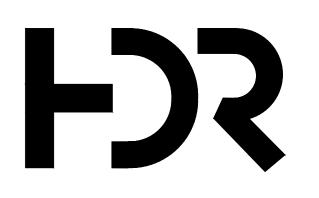
Tree or Shrub Common Name	Scientific Name	DBH Ste	ems CRZ Cond		Action Notes		n Reason for Removal		X	Y
Tree single stem Scots Pine Tree single stem Scots Pine	Pinus sylvestris	26	1 2.6 4: Poor	70% dieback		Retain	E	Phase 7 Phase 7	-75.70780182	45,39709
Tree single stem Scots Fine Tree single stem Siberian Elm	Pinus sylvestris Ulmus pumila	26	1 3.1 3; Fair 1 2.6 2; Good	Lowvigour, unbalanced canopy, 15% dieback	-	Retain Retain		LRT	-75.707901 -75.70929718	45.39709 45.39670
Tree single stem Siberian Elm	Ulmus pumila	18	1 1.8 2: Good		-	Retain		LRT	-75.70929718	45.39670
Tree single stem Siberian Elm	Ulmus pumila	34	1 3.4 2. Good		2	Retain	9	LRT	-75,709198	45.39670
Tree single stem Hawthorn sp.	Crataegus sp.	29	1 2.9 2. Good			Retain		LRT	-75,709198	45.39659
Tree single stem Hawthorn sp.	Crataegus sp.	8	1 0.8 2 Good			Retain		LRT	-75.709198	45.39659
Tree single stem Siberian Elm	Ulmus pumile	24	1 0.0 5: Dead	No live growth observed, bark is falling off trunk		Retain		LRT	-75.709198	45.39659
	n/a	15	5 1.5 2: Good			Retain	ÿ.	Phase 5	-75.70929718	45.39659
Tree multi stem Siberian Elm	Ulmus pumila	31	2 3.1 2. Good			Retain		Phase 5	-75.709198	45.39649
	Acerplatanoides	18	5 1.8 2. Good			Retain		Phase 5	-75,709198	45.39649
Tree single stem Carolina Poplar	Populus carolina	23	1 2.3 2: Good			Retain	li .	Phase 5	-75.709198	45.39649
Tree multi stem Manitoba Maple	Acernegundo	27	5 2.7 2. Good			Retain	2	LRT	-75.70909882	45.39649
Tree multi stem Manitoba Maple	Acernegundo	22	8 2.2 2: Good			Retain		Phase 5	-75,70909882	45.39640
Tree single stem Scots Pine	Pinus sylvestris	18	1 1.8 2: Good			Retain		LRT	-75.709198	45.3964
Tree single stem Carolina Poplar	Populus carolina	18	1 1.8 2. Good		10 10 10	Retain	Š.	LRT	-75,70909882	45.3964
Tree single stem Carolina Poplar	Populus carolina	23	1 2.3 2: Good			Retain	2	LRT	-75.70909882	45.3964
Tree single stem Norway Maple	A cerplatanoides	23	1 2.3 2: Good			Retain		Phase 5	-75.70909882	45.3963
	Acernegundo	17	1 1.7 2: Good		1	Retain		LRT	-75,70909882	45,3963
Tree single stem Manitoba Maple	Acernegundo	12	1 1.2 2. Good			Retain		Phase 5	-75.70909882	45,3963
Tree single stem Green Ash	Fraxinus pennsylvanica	32	1 0.0 5; Dead	Bark falling off trunk	j.	Retain	(1)	LRT	-75.70909882	45.3963
	Acernegundo	21	1 2.1 2: Good		6	Retain		LRT	-75.70909882	45,3963
Tree single stem Manitoba Maple	Acernegundo	18	1 1.8 2. Good				Conflict with LRT trench w		-75,70899963	45,3963
Tree single stem Manitoba Maple	Acernegundo	15	1 1.5 2 Good				Conflict with LRT trench w		-75.70899963	45,3963
Tree multi stem Manitoba Maple	Acernegundo	32	2 3.2 2: Good		i i		Conflict with LRT trench w		-75.70899963	45.3963
Tree multi stem Manitoba Maple	Acernegundo	. 23	3 2.3 3: Fair	Observed dieback	to the state of th		Conflict with LRT trench w		-75.70899963	45.3961
Tree single stem Manitoba Maple	Acernegundo	25	1 2.5 2 Good	Extra section of the			Conflict with LRT trench w		-75,70890045	45.3961
Tree single stem Green Ash	Fraxinus pennsylvanica	12	1 1.2 4: Poor	Bark falling offtree and observed dieback		Remove - LRT			-75,70899963	45,3961
Tree single stem European Buckthorn	Rhamnus cathartica	11	1 0.0 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70899963	45.3961
Tree multi stem Green Ash	Fraxinus pennsylvanica	15	3 1.5 4: Poor	Bark falling off tree, significant decals. No new growth	observed.		Conflict with LRT trench w		-75.70890045	45,3960
Tree single stem Manitoba Maple	Acernegundo	14	1 1.4 3: Fair	Growth into the fence causing abnormalities		Remove	Direct conflict with parking		-75.70890045	45.3959
	Acernegundo	41	1 4.1 2 Good				Conflict with LRT trench w		-75.70890045	45,3960
Tree single stem Manitoba Maple	Acernegundo	32	1 3.2 3 Fair	Leaning, parallel with ground	A. Carrier and A. Car	Remove - LRT			-75.70890045	45.3959
Tree multi stem Manitoba Maple	Acernegundo	55	2 5.5 4: Poor	Significant decay, rotten trunk		Remove	Direct conflict with parking		-75.70890045	45,3959
Tree single stem Siberian Elm	Ulmus pumile	25	1 2.5 2 Good	And the second state of th			Conflict with LRT trench w		-75,70890045	45.3959
	Acernegundo	25	1 2.5 2: Good				Conflict with LRT trench w		-75.70890045	45,3959
Tree single stem Manitoba Maple	Acernegundo	18	1 1.8 2: Good		i.	Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70880127	45.3959
Tree single stem Manitoba Maple	Acernegundo	32	1 3.2 2: Good				Conflict with LRT trench w		-75.70880127	45,3959
Tree single stem Manitoba Maple	Acernegundo	26	1 2.6 2: Good	Emply activity and the country of th		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75,70880127	45.3959
Tree single stem Green Ash	Fraxinus pennsylvanica	23	1 0.0 5: Dead	Limbs falling off, significant decay and bark falling off		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70880127	45,3959
Tree single stem Manitoba Maple	Acernegundo	16	1 1.6 2: Good		1	Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70880127	45.3959
Tree single stem Manitoba Maple	Acernegundo	27	1 2.7 2: Good			Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70880127	45.3959
Tree single stem Green Ash	Fraxinus pennsylvanica	22	1 2.2 3: Fair	Decay observed		Remove - LRT			-75,70880127	45.3959
Tree multi stem Manitoba Maple	Acernegundo	32	5 0.0 5: Dead	·	ì	Remove	Dead tree, Direct conflict v	Phase 2 Removal	-75.70880127	45,3958
Tree single stem European Buckthorn	Rhamnus cathartica	10	1 0.0 2: Good		14	Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70870209	45.3958
Tree multi stem Green Ash	Fraxinus pennsylvanica	. 15	2 0.0 5; Dead	Limbs fallen off, significant decay	5	Remove - LRT	Conflict with LRT trench w		-75.70870209	45.3958
Tree single stem Manitoba Maple	Acernegundo	56	1 5.6 2. Good	Electric constant of the const		Remove	Direct conflict with parking		-75.70870209	45.3958
Tree multi stem Manitoba Maple	Acernegundo	15	5 1.5 2. Good				Conflict with LRT trench w		-75.70870209	45,3958
	Rhamnus cathartica	10	4 0.0 2: Good		i i		Conflict with LRT trench w		-75.70860291	45.3955
Tree single stem Manitoba Maple	Acernegundo	17	1 1.7 2: Good				Conflict with LRT trench w		-75.70850372	45.3955
Tree single stem Manitoba Maple	Acernegundo	23	1 2.3 2. Good				Conflict with LRT trench w		-75,70850372	45.3955
Tree single stem Siberian Elm	Ulmus pumila	27	1 2.7 2. Good				Conflict with LRT trench w		-75.70850372	45,3955
Tree single stem European Buckthorn	Rhamnus cathartica	10	1 0.0 2: Good		î.		Conflict with LRT trench w		-75.70850372	45.3955
Tree single stem Green Ash	Fraxinus pennsylvanica	34	1 3.4 4: Poor	Diecaly observed	4		Conflict with LRT trench w		-75.70839691	45.3955
Free single stem Manitoba Maple	Acernegundo	34	1 3.4 2. Good	Constitution of the state of th		Remove	Direct conflict with parking		-75.70850372	45.3955
Tree multi stem Manitoba Maple	Acernegundo	36	2 3.6 2: Good			The second secon	Conflict with LRT trench w		-75.70839691	45,395
	Rhamnus cathartica	- 11	1 0.0 2: Good		1		Conflict with LRT trench w		-75.70839691	45.39
Tree single stem Norway Maple	A cerplatanoides	28	1 2.8 2: Good	3,			Conflict with LRT trench w		-75.70829773	45.39
Tree single stem Carolina Poplar	Populus carolina	34	1 3.4 2: Good				Conflict with LRT trench w		-75.70829773	45.39
Tree single stem Carolina Poplar	Populus carolina	14	1 1.4 2. Good				Conflict with LRT trench w		-75.70829773	45.39
Tree multi stem White Elm	Ulmus americana	22	2 2.2 2: Good		Å.		Conflict with LRT trench w		-75.70829773	45.39
	Acernegundo	24	1 0.0 5: Dead	A second			Conflict with LRT trench w		-75,70829773	45.3953
Tree single stem White Elm	Ulmus americana	27	1 2.7 2: Good				Conflict with LRT trench w		-75,70819855	45.3951
Tree single stem White Elm	Ulmus americana	16	1 1.6 4: Poor	Bark lose and decay observed			Conflict with LRT trench w		-75.7081 9855	45,3951
	Rhamnus cathartica	10	6 0.0 2: Good		4		Conflict with LRT trench w		-75.70809937	45.3951
Tree single stem White Elm	Ulmus americana	54	1 5.4 2 Good		u .		Conflict with LRT trench w		-75,70809937	45.3950
	Pinus sylvestris	31	1 3.1 3: Fair	Low vigour, unbalanced canopy 15% dieback		Retain	2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Phase 7	-75.707901	45.3970
Tree single stem Apple sp	Malus sp.	33	1 3.3 2: Good	minor dieback		Remove	Conflict with MUP	Phase 2 Removal	-75,70770264	45,3969
Tree multi stem Scots Pine	Pinus sylvestris	24	3 2.4 3: Fair	Included bark, 15% dieback, multistern, unbalanced c	0W0	Remove	Conflict with MUP	Phase 2 Removal	-75.70760345	45.3969
Tree single stem Scots Pine	Pinus sylvestris	37	1 3.7 2: Good	15% dieback	4	Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45,396
	Pinus sylvestris	40	1 4.0 3: Fair	Unbalanced, broken branches, 15% dieback	5	Remove	Conflict with MUP	Phase 2 Removal	-75.70760345	45.3969
	Pinus sylvestris	16	3 1.6 3 Fair	Unb, multi		Remove	Conflict with MUP	Phase 2 Removal	-75,70749664	45,3969
	Pinus sylvestris	27	1 2.7 2: Good	COLUMN TO THE REAL PROPERTY OF THE PROPERTY OF	4	Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.3969
Tree multi stem Staghorn Sumac	Rhus typhina	5	20 0.0 5: Dead	surrounded by/mixed with Lonicera tatarica		Remove	Conflict with MUP	Phase 2 Removal	-75.70760345	45.396
	Lanicera tatarica	7	100 0.7 2: Good	10 10000 20 10	4	Remove	Invasive, brush clearing	Phase 2 Removal	-75.70770264	45.396
	Acernegundo	41	1 4.1 3: Fair	Large scar on trunk, interior decay		Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.3968
	Acerginnala	15	3 1.5 2: Good	lean	3	Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.3967
	Acerginnala	12	1 1.2 3: Fair	30% dieback, lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.3968
Tree multi stem Apple sp	Malus sp.	24	2 2.4 2: Good	lean		Remove	Direct conflict with parking		-75.70760345	45.396
Tree single stem Apple sp	Malus sp.	17	1 1.7 2: Good	minor dieback	Confirmed for relocation, corrective pruning, Spring 2022		Direct conflict with parking		-75.70760345	45.396
	Acernegundo	5	10 0.5 2: Good	within Lonicera tatarica grouping		Remove	Direct conflict with parking		-75.70760345	45.396
Tree multi stem Apple sp	Malus sp.	13	2 1.3 3: Fair	dieback		Remove	Direct conflict with parking	Phase 2 Removal	-75.70770264	45.396
Tree single stem Apple sp	Malus sp.	10	1 1.0 4: Poor	>60 dieback		Remove	Conflict with staging/const		-75.70770264	45,396
Tree multi stem Amur Maple	Acerginnala	22	4 2.2 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.396
Tree multi stem Amur Maple	Acerginnala	16	2 1.6 2: Good	lean	3	Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.396
	Acerginnala	14	3 1.4 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.396
	Acerginnala	14	3 1.4 2 Good	lean, epicormic growth		Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45,396
	Acerginnala	10	1 1.0 2 Good	lean, epicormic growth		Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.396
	Acerginnala	18	3 1,8 3: Fair	Scarbark removed	9	Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45.398
	Acerginnala	12	3 1.2 2: Good	lean	3	Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45.396
rree muiti stem Amur wrapie	Acerginnala	14	3 1.4 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45,396
	Acerginnala	15	2 1.5 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45.396
Tree multi stem Amur Maple	Acerginnala	14	2 1.4 3: Fair	crack, bark removed		Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45.396
Tree multi stem Amur Maple Tree multi stem Amur Maple				large crack, scar		Remove	Conflict with MUP	Phase 2 Removal	-75.70739746	45.396
Tree multi stem Amur Maple Tree multi stem Amur Maple Tree multi stem Amur Maple	Acerginnala	13	2 1.3 4: Poor							
Tree multi stem Amur Maple		13		The state of the s					-75.70739746	45 3965
Tree multi stem Amur Maple	Acerginnala		3 1.2 3. Fair 2 1.7 4. Poor	bark removed		Remove Remove	Conflict with MUP Conflict with MUP	Phase 2 Removal Phase 2 Removal	-75.70739746 -75.70739746	45.3965 45.3965
Tree multi stem	Acerginnala Acerginnala	12	3 1.2 3: Fair 2 1.7 4: Poor	bark removed epicormic growth, bark removed, 30% dieback		Remove Remove	Conflict with MUP Conflict with MUP	Phase 2 Removal Phase 2 Removal	-75.70739746	
Tree multi stem Amur Maple	Acerginnala	12 17	3 1.2 3: Fair	bark removed		Remove	Conflict with MUP	Phase 2 Removal		45.396

Tree or Shrub Real Tree single stem		Scientific Name Pinus rigida	DBH S	items CRZ	Condition 3.2 1: Excellent	Condition Notes	Action Notes	Remove	n Reason for Removal Direct conflict with parking	Phase of Impacts Phase 2 Removal	-75,70929718	45
09 Tree single stem		Larix deciduosa	24		2.4 1: Excellent			Remove	Direct conflict with parking	Phase 2 Removal	-75.70929718	45
10 Tree single stem		Pinus rigida	30		3.0 1: Excellent			Remove	Direct conflict with parking	Phase 2 Removal	-75.70929718	45
1 Tree single stem		Pinusrigida	28		2.8 1: Excellent			Remove	Direct conflict with parking	Phase 2 Removal	-75.709198	4:
2 Tree single stem		Pinus rigida	32		3.2 2: Good	crooked		Remove	Direct conflict with parking	Phase 2 Removal	-75.70929718	4
3 Tree single stem		Pinus rigida	25		2.5 2: Good			Retain		Phase 7	-75.70939636	4
14 Tree single stem		Pinus rigida	35		3.5 1: Excellent			Retain		Phase 7	-75,70939636	4
15 Tree single stem		Pinus rigida	25		2.5 1: Excellent			Retain		Phase 5	-75.70929718	4
16 Tree single stem		Pinus rigida	26		2.6 2: Good			Retain	\$	Phase 7	-75,70929718	4
7 Tree single stem		Pinus rigida	32		3.2 2: Good			Retain	£-	Phase 5	-75,70929718	4
18 Tree single stem		Pinus rigida	29		2.9 2: Good			Retain		Phase 5	-75,709198	4
	Colorado Blue Spruce	Picea pungens	24		2.4 1: Excellent			Retain		Phase 7	-75.70880127	4
	Colorado Blue Spruce Colorado Blue Spruce	Picea pungens Picea pungens	26		2.6 1: Excellent 3.6 1: Excellent			Retain Retain	8	Phase 7 Phase 7	-75,70870209 -75,70870209	- 4
22 Tree single stem		Acer saccharum	57		5.7 2: Good	codominant stem		Remove	Conflict with MUP	Phase 2 Removal	-75.70870209	- 4
	Colorado Blue Spruce	Pices pungens	25		2.5 3: Fair	C od db30	Updated from Remove, March 2022	Retain	Confinct with More	Phase 7	-75.70860291	4
	Colorado Blue Spruce	Pices pungens	36		3.6 2: Good	15% dieback	Opulated Holli (telliove, March 2022)	Retain		Phase 7	-75.70860291	4
	Colorado Blue Spruce	Pices pungens	35		3.5 2: Good	15% dieback	3	Retain		Phase 7	-75.70860291	4
	Colorado Blue Spruce		32		3.2 1: Excellent			Retain		Phase 7	-75.70870209	- 4
	Colorado Blue Spruce	Picea pungens	33		3.3 3: Fair	4 codominant stems, included bark 15% dieback		Retain		Phase 7	-75.70870209	4
28 Tree single stem	Colorado Blue Spruce	Picea pungens	29		2.9 2: Good			Retain		Phase 7	-75,70870209	4
	Manitoba Maple	Acernegundo	31		3.1 3: Fair	lean , hollow, pruned		Retain	£	Phase 7	-75.70870209	4
30 Tree single stem		Malus sp.	13		1.3 4: Poor	Main stem cut horizontally leader		Retain		Phase 7	-75.70860291	4
31 Tree multi stem	Japanese Lilac	Syringa reticulata	13		1.3 2: Good			Retain		Phase 7	-75.70860291	4
32 Shrub	Japanese Lilac	Syringa reticulata	4		0.4 2: Good	broken stem at base		Retain		Phase 7	-75,70860291	4
33 Shrub	Japanese Lilac	Syringa reticulata	- 6		0.6 2: Good			Retain		Phase 7	-75.70860291	4
34 Shrub	Japanese Lilac	Syringa reticulata	6		0.6 2: Good			Retain		Phase 7	-75,70860291	4
35 Shrub	Japanese Lilac	Syringa reticulata	7		0.7 2: Good			Retain		Phase 7	-75.70860291	4
36 Tree multi stem	Apple sp	Malussp.	20		2.0 2: Good			Retain	-	Phase 7	-75,70860291	4
37 Shrub	Japanese Lilac	Syringa reticulata	7		0.7 2: Good	less as well also		Retain	\$ - \$ - \$ -	Phase 7	-75.70860291	4
38 Tree multi stem	Amur Maple	Acerginnala	16		1.6 2: Good	lean, multi-stem	4	Retain		Phase 7	-75,70850372	4
39 Tree multi stem	Amur Maple	Acerginnala	20		2.0 2: Good	lean, multi-stem		Retain		Phase 7	-75.70850372 -75.70850372	4
10 Tree multi stem	Amur Maple Amur Maple	A cerginnala	12		1.2 3: Fair 1.3 3: Fair	lean, multi-stem, crack, pruned		Retain Retain		Phase 7 Phase 7	-75,70850372 -75,70850372	4:
11 Tree multi stem 12 Tree multi stem	Amur Maple Amur Maple	Acerginnala Acerginnala	13		1.3 3: Fair 2.1 2: Good	lean, multi-stem, crack, pruned lean, multi-stem, crack	1	Retain Retain		Phase 7 Phase 7	-75.70850372 -75.70850372	4
13 Tree munti stem		Acerginnala Acerginnala	12		2.1 2. Good 1.3 4. Poor	rack, bark removed, decay	1	Retain		Phase 7	-75.7085037.2 -75.70839691	4
	Amur Maple Amur Maple	Acerginnala	13		1.3 4: Poor 0.9 2: Good	lean, multi-stem		Retain Retain		Phase 7	-75.70839691 -75.70839691	4
15 Tree multi stem	Amur Maple	Acerginnala	16		1.6 3: Fair	Bro cr		Retain		Phase 7	-75.70839691	4
	Amur Maple	Acerginnala	16		1.6 2: Good	lean, multi-stem		Retain		Phase 7	-75.70839691	4
7 Shrub	Amur Maple	Acerginnala	4		0.4 3: Fair	Prule		Retain	· (Phase 7	-75.70829773	4
700 F000 F00	Amur Maple	Acerginnala	4		0.4 3: Fair	Pruregen		Retain	·	Phase 7	-75.70829773	4
19 Tree single stem		Acerginnala	13		1.3 4: Poor	Bark removed on leader		Retain		Phase 7	-75.70829773	4
	Amur Maple	Acerginnala	9		0.9 3: Fair	Epicomic growth, lean, pruned		Retain	-	Phase 7	-75,70829773	4
1 Shrub	Amur Maple	Acerginnala	4		0.4 2: Good	lean, multi-stem		Retain		Phase 7	-75.70829773	4
72 Tree multi stem	Amur Maple	Acerginnala	16	2	1.6 2: Good	lean, multi-stem		Retain	\$	Phase 7	-75,70829773	4
3 Tree multi stem	Amur Maple	Acerginnala	13	2	1.3 2: Good	lean, multi-stem		Retain	E-	Phase 7	-75.70829773	4
4 Tree single stem	Amur Maple	Acerginnala	5	1	0.5 3: Fair	lean, multi-stem		Retain		Phase 7	-75,70829773	- 4
55 Tree multi stem	Amur Maple	Acerginnala	11	2	1.1 2: Good	lean, multi-stem		Retain		Phase 7	-75.70829773	4
6 Tree multi stem	Amur Maple	Acerginnala	18		1.8 3: Fair	Re15db		Retain		Phase 7	-75,70829773	- 4
	Amur Maple	Acerginnala	11		1.1 2: Good			Retain		Phase 7	-75.70829773	4
58 Shrub	Amur Maple	Acerginnala	7		0.7 2: Good	L		Retain		Phase 7	-75.70829773	4
	Amur Maple	Acerginnala	16		1.6 3: Fair	Bro inc		Retain		Phase 7	-75.70829773	4
S0 Shrub	Amur Maple	Acerginnala	3		0.3 3: Fair	Pe	3	Retain		Phase 7	-75,70819855 75,70819855	4
Tree single stem		Acerginnala	11		1.1 3: Fair	areak hyakan hyanakii-		Retain	Š.	Phase 7	-75.70819855 -75.70819855	4
		Acerginnala	12		1.2 3: Fair	crack, broken branches, epicormic growth		Retain	<u> </u>	Phase 7		
	Amur Maple	Acerginnala	16		1.6 3: Fair 1.6 3: Fair	significant lean, epicomnic growth		Retain		Phase 7	-75.70819855 -75.70819855	4
64 Tree multi stem 65 Tree single stem	Amur Maple	Acerginnala Acerginnala	10		1.5 3: Fair	Re		Retain Retain	£	Phase 7 Phase 7	-75,70019055	4
	Amur Maple	Acerginnala	17		1.7 4: Poor	Recriot		Retain		Phase 7	-75.70019055	4
7 Tree multi stem	Amur Maple	Acerginnala	17		1.7 3: Fair	epicormic growth, bark removed		Retain		Phase 7	-75.70819855	4
8 Tree multi stem	Amur Maple	Acerginnala	16		1.6 3: Fair	Re		Retain		Phase 7	-75,70819855	4
	Amur Maple	Acerginnala	15		1.5 3: Fair	Re		Retain	C	Phase 7	-75.70809937	4
70 Tree multi stem		Acerginnala	13		1.3 4: Poor	crack, broken		Retain		Phase 7	-75,70809937	4
	Staghorn Sumac	Rhus typhina	14		1.4 4: Poor	Re 60 db		Retain		Phase 7	-75.70809937	4
72 Tree single stem		Pinus sylvestris	55		5.5 2: Good			Retain	2	Phase 7	-75,70800018	4
3 Tree single stem		Pinus sylvestris	34		3.4 2: Good		Updated from Remove, March 2022	Retain	Processor Substitution of	Phase 7	-75.70819855	4
4 Tree single stem	ScotsPine	Pinus sylvestris	23	1	0.0 5: Dead	No needles	CONTRACTOR	Remove	Conflict with MUP	Phase 2 Removal	-75.70819855	- 4
5 Tree multi stem	Scots Pine	Pinus sylvestris	24	2	2.4 3: Fair	Clod 30db		Retain	· · · · · · · · · · · · · · · · · · ·	Phase 7	-75.70819855	4
76 Tree multi stem	Apple sp	Malussp.	17		1.7 3: Fair	Rebro		Retain	2	Phase 7	-75,70800018	4:
7 Tree multi stem	Carolina Poplar	Populus carolina	39		3.9 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.707901	4
8 Tree single stem		Celtis occidentalis	3		0.3 3: Fair	Bro lead scarred secondary young tree badly damaged		CR elocate	Direct conflict with parking		-75,70800018	4
9 Tree single stem		A cerru brum	5		0.5 4: Poor	broken leader, unlikely to recover	DBH error revised; recorded as 51. Tree is 5 cm , 1 stem.	Remove	Direct conflict with parking		-75.707901	4
	Eastern White-cedar	Thuja occidentalis	14		1.4 2: Good	1		Remove - LRT	Conflict with LRT trench w		-75,70860291	4
5 Tree multi stem		Acernegundo	14		1.4 2: Good	1	1	Remove - LRT	Conflict with LRT trench w		-75.70870209	4
	Manitoba Maple	Acernegundo	17		1.7 2: Good		1	Remove	Direct conflict with parking	Phase 2 Removal	-75,70890045	4
55 Tree single stem 56 Tree single stem		Malus sp. Malus sp.	25 18		2.5 2: Good 1.8 2: Good		Not quitable for relegation of a site as invalid each 2000	Remove	Conflict with staging area.		-75.71070099 -75.71060181	4
7 Tree single stem		Manus sp. Corylus sp.	18		1.5 3: Fair	Bark damage in crown	Not suitable for relocation after site review March 2022	Remove Remove	Conflict with staging area. Conflict with staging area.	Phase 2 Removal Phase 2 Removal	-75.71060181 -75.71029663	4
8 Tree single stem		Picea glauca	37		3.7 1: Excellent	Dank damage in crowli	1	Retain	Common with staying area.	Phase 2 Kemovai Phase 6	-75.71029854 -75.71099854	4
		Picea glauca	28		2.8 1: Excellent			Retain		Phase 6	-75,71099854	4
		Pices glauca	36		3.6 1: Excellent			Retain	£	Phase 6	-75.71099854	4
59 Tree single stem		Pinus sylvestris	36		3.6 2: Good			Retain		Phase 6	-75.71109772	4
59 Tree single stem 60 Tree single stem		Pinus strobus	29		2.9 4: Poor	Crooked, 30% dieback		Retain		Phase 6	-75.71080017	4
59 Tree single stem 60 Tree single stem 65 Tree single stem	Eastern White Pine	Pinus sylvestris	45	1	4.5 2: Good	unbalanced canopy		Retain		Retain	-75.71080017	4
59 Tree single stem 50 Tree single stem 55 Tree single stem 22 Tree single stem 23 Tree single stem	Eastern White Pine Scots Pine				1.4 3: Fair	Lean over path		Retain	2	Retain	-75,71089935	4
59 Tree single stem 50 Tree single stem 55 Tree single stem 22 Tree single stem 23 Tree single stem 24 Tree single stem	Eastern White Pine Scots Pine White Poplar	Populus alba	14					Retain		Retain	-75.71099854	4
9 Tree single stem 10 Tree single stem 15 Tree single stem 12 Tree single stem 13 Tree single stem 14 Tree single stem 15 Tree single stem 15 Tree single stem 15 Tree single stem 15 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash	Populus alba Fraxinus pennsylvanica	6	1	0.6 2: Good	2		1-		Retain	-75,71009827	
59 Tree single stem 50 Tree single stem 55 Tree single stem 22 Tree single stem 23 Tree single stem 24 Tree single stem 25 Tree single stem 15 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce	Populus alba Fraxinus pennsylvanica Picea glauca	6 55	1 1	5.5 2: Good		<u></u>	Retain	<u> </u>			
9 Tree single stem 10 Tree single stem 17 Tree single stem 12 Tree single stem 13 Tree single stem 14 Tree single stem 15 Tree single stem 16 Tree single stem 17 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica	6	1 1	5.5 2: Good 1.4 2: Good			Retain		Retain	-75.71009827	
59 Tree single stem 50 Tree single stem 50 Tree single stem 22 Tree single stem 23 Tree single stem 24 Tree single stem 25 Tree single stem 16 Tree single stem 17 Tree single stem 18 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca	6 55 14 70	1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good			Retain Retain		Retain Retain	-75.71009827 -75.71009827	
99 Tree single stem 90 Tree single stem 50 Tree single stem 52 Tree single stem 23 Tree single stem 44 Tree single stem 25 Tree single stem 75 Tree single stem 6 Tree single stem 6 Tree single stem 8 Tree single stem 9 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca	6 55	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair	Significant dieback 40%		Retain Retain Retain		Retain Retain Retain	-75.71009827 -75.71009827 -75.70999908	
Tree single stem	Eastern White Pine Sotis Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Picea glauca Pimus strobus	6 55 14 70 29 34	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair 3.4 3: Fair	Significant dieback 40% Dieback observed 30%		Retain Retain Retain Retain		Retain Retain Retain Retain	-75.71009827 -75.71009827 -75.70999908 -75.70999908	
Tree single stem	Eastern White Pine Soits Pine White Poplar Green Ash White Spruce Green Ash White Spruce	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Picea glauca Pinus strobus Picea glauca Picea glauca	6 55 14 70	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair 3.4 3: Fair 4.2 2: Good	Dieback observed 30%		Retain Retain Retain Retain Retain		Retain Retain Retain Retain Retain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908	
99 Tree single stem 55 Tree single stem 55 Tree single stem 55 Tree single stem 22 Tree single stem 24 Tree single stem 25 Tree single stem 6 Tree single stem 6 Tree single stem 17 Tree single stem 19 Tree single stem 10 Tree single stem 11 Tree single stem 12 Tree single stem 12 Tree single stem 13 Tree single stem 14 Tree single stem 15 Tree single stem 16 Tree single stem 17 Tree single stem 17 Tree single stem 18 Tree	Eastern White Pine Sotis Pine White P oplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce Eastern White Pine White Spruce Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus	6 55 14 70 29 34	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair 4.2 2: Good 3.4 3: Fair			Retain Retain Retain Retain Retain Retain		Retain Retain Retain Retain Retain Retain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908	
99 Tree single stem 00 Tree single stem 10 Tree single stem 12 Tree single stem 12 Tree single stem 14 Tree single stem 15 Tree single stem 16 Tree single stem 17 Tree single stem 17 Tree single stem 18 Tree single stem 19 Tree single stem 10 Tree single stem 12 Tree single stem 13 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce Eastern White Pine White Spruce Eastern White Pine Eastern White Pine Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus Pinus strobus	6 55 14 70 29 34	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair 4.2 2: Good 3.4 3: Fair 4.2 2: Good 3.4 3: Fair	Dieback observed 30% Observed dieback 20%		Retain Retain Retain Retain Retain Retain Retain		Retain Retain Retain Retain Retain Retain Retain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908	4
Tree single stem	Eastern White Pine Sotts Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce White Spruce Eastern White Pine Eastern White Pine Eastern White Pine Sotts Pine	Populus alba Fraxinus pennsylvanica Fraxinus pennsylvanica Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus	6 55 14 70 29 34 42 34 34 37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 2.9 3: Fair 3.4 3: Fair 4.2 2: Good 3.7 3: Fair 3.4 2: Good 3.7 3: Fair	Dieback observed 30%		Retain Retain Retain Retain Retain Retain Retain Retain		Retain Retain Retain Retain Retain Retain Retain Retain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.7098999 -75.7098999	4
99 Tree single stem 55 Tree single stem 55 Tree single stem 56 Tree single stem 57 Tree single stem 58 Tree single stem 59 Tree single stem 68 Tree single stem 68 Tree single stem 79 Tree single stem 70 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce Eastern White Pine White Spruce Eastern White Pine Swite Spruce Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus Rhamnus cathartica	6 55 14 70 29 34 42 34 34 37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair 3.4 3: Fair 4.2 2: Good 3.4 3: Fair 3.4 2: Good 3.7 3: Fair 0.0 2: Good	Dieback observed 30% Observed dieback 20% Observed dieback 20%		R etain R etain R etain R etain R etain R etain R etain R etain R etain		R etain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.7098999 -75.7098999 -75.7098999	-4
99 Tree single stem 90 Tree single stem 90 Tree single stem 91 Tree single stem 92 Tree single stem 93 Tree single stem 94 Tree single stem 95 Tree single stem 95 Tree single stem 96 Tree single stem 97 Tree single stem 97 Tree single stem 98 Tree single stem 98 Tree single stem 98 Tree single stem 98 Tree single stem 99 Tree single stem 90 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce Eastern White Pine White Spruce Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus stylestris Rhamnus cathartica Pinus strobus	6 55 14 70 29 34 42 34 34 37	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2: Good 1.4 2: Good 7.0 2: Good 2.9 3: Fair 3.4 3: Fair 4.2 2: Good 3.4 3: Fair 3.4 2: Good 3.7 3: Fair 0.0 2: Good 6.9 3: Fair	Dieback observed 30% Observed dieback 20%		R etain R etain		R etain R etain R etain R etain R etain R etain R etain R etain R etain R etain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.7098999 -75.7098999 -75.70999908 -75.70999908	4
99 Tree single stem 90 Tree single stem 90 Tree single stem 21 Tree single stem 22 Tree single stem 23 Tree single stem 24 Tree single stem 25 Tree single stem 16 Tree single stem 17 Tree single stem 18 Tree single stem 19 Tree single stem 10 Tree single stem 11 Tree single stem 12 Tree single stem 12 Tree single stem 13 Tree single stem 14 Tree single stem 15 Tree single stem 16 Tree single stem 17 Tree single stem 18 Tree single stem 19 Tree single stem 19 Tree single stem 10 Tree single stem 11 Tree single stem 11 Tree single stem 12 Tree single stem 12 Tree single stem 13 Tree single stem 15 Tree single stem 17 Tree single stem 18 Tree single stem	Eastern White Pine Soots Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce Eastern White Pine White Spruce Eastern White Pine Eastern White Pine Soots Pine European Buckthorn Eastern White Pine Green Ash	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus Pinus strobus Pinus styrbas Pinus sylvestris Rhamnus cathartica Pinus strobus Fraxinus pennsylvanica	6 55 14 70 29 34 42 34 34 37 12 69	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2 Good 7.0 2 Good 7.0 2 Good 2.9 3 Fair 4.2 2 Good 3.4 3 Fair 4.2 2 Good 3.7 3 Fair 0.0 2 Good 6.3 Fair 1.2 Good	Dieback observed 30% Observed dieback 20% Observed dieback 20% Observed dieback 10%		R etain R etain		R etain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908	4
yes a ree single stem to the sin	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce Eastern White Pine White Spruce Eastern White Pine Scots Pine European Buckthorn Eastern White Pine Green Ash Scots Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus Pinus strobus Finus sylvestris Rhamnus cathartica Pinus strobus Pinus sylvestris Rhamnus cathartica Pinus sylvestris	6 55 14 70 29 34 42 34 34 37 12 69 12 23	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2. Good 1.4 2. Good 7.0 2. Good 2.9 3. Fair 3.4 3. Fair 4.2 2. Good 3.4 3. Fair 3.4 2. Good 3.7 3. Fair 0.0 2. Good 6.9 3. Fair 1.2 2. Good 2.3 4. Poor	Dieback observed 30% Observed dieback 20% Observed dieback 20% Observed dieback 10% No newgrowth observed		R etain R etain		R etain R etain R etain Retain Retain R etain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.7099999 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.70999908	4
99 Tree single stem 90 Tree single stem 90 Tree single stem 22 Tree single stem 23 Tree single stem 23 Tree single stem 25 Tree single stem 25 Tree single stem 26 Tree single stem 18 Tree single stem 18 Tree single stem 19 Tree single stem 20 Tree single stem 21 Tree single stem 22 Tree single stem 24 Tree single stem 25 Tree single stem 26 Tree single stem 26 Tree single stem 27 Tree single stem 27 Tree single stem 28 Tree single stem 28 Tree single stem 29 Tree single stem 30 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce Eastern White Pine White Spruce Eastern White Pine Coreen Ash Scots Pine Green Ash Scots Pine Write Spruce	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Fraxinus pennsylvanica Pinus sylvestris Picea glauca	6 55 14 70 29 34 42 34 37 12 69 12 23 24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2 Good 7.0 2 Good 2.9 3 Fair 4.2 2 Good 3.4 3 Fair 4.2 2 Good 3.4 3 Fair 4.2 2 Good 3.7 3 Fair 0.0 2 Good 6.9 3 Fair 1.2 2 Good 2.3 4 Poor	Dieback observed 30% Observed dieback 20% Observed dieback 20% Observed dieback 10%		Retain		R etain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999	4
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yes a ree single stem on the single stem on the single stem of the sin	Eastern White Pine Scots Pine White Spruce Green Ash White Spruce Green Ash White Spruce Eastern White Pine White Spruce Eastern White Pine Green Ash Scots Pine White Spruce Eastern White Pine Scots Pine Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus sylvestris Rhamnus cathartica Pinus strobus	6 55 14 70 29 34 42 34 37 12 69 12 23 24 60 33	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2. Good 1.4 2. Good 7.0 2. Good 2.9 3. Fair 3.4 3. Fair 4.2 2. Good 3.4 3. Fair 3.4 2. Good 3.7 3. Fair 0.0 2. Good 6.9 3. Fair 1.2 2. Good 2.3 4. Poor 2.4 4. Poor 2.4 4. Poor 3.3 3. Fair	Dieback observed 30% Observed dieback 20% Observed dieback 20% Observed dieback 10% No newgrowth observed No newgrowth observed Observed dieback		Retain		R etain	75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.7099990 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.70980072 -75.70980072 -75.70980072	44 44 44 44 44 44 44 44 44 44 44 44 44
99 Tree single stem 90 Tree single stem 90 Tree single stem 22 Tree single stem 23 Tree single stem 24 Tree single stem 65 Tree single stem 66 Tree single stem 76 Tree single stem 77 Tree single stem 77 Tree single stem 78 Tree single stem 79 Tree single stem 79 Tree single stem 70 Tree single stem	Eastern White Pine Scots Pine White Poplar Green Ash White Spruce Green Ash White Spruce White Spruce White Spruce Eastern White Pine Green Ash White Spruce Eastern White Pine Scots Pine White Spruce Eastern White Pine Scots Pine White Spruce	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Fraxinus pennsylvanica Pinus sylvestris Picea glauca Pinus strobus	6 55 14 70 29 34 42 34 37 12 69 12 23 24	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2 Good 7.0 2 Good 7.0 2 Good 2.9 3 Fair 4.2 2 Good 3.4 3 Fair 4.2 2 Good 3.4 3 Fair 6.0 Good 3.7 3 Fair 7.0 2 Good 6.9 3 Fair 7.0 2 Good 7.0 3 Fair 7.0 2 Good 7.0 3 Fair	Dieback observed 30% Observed dieback 20% Observed dieback 20% Observed dieback 10% No newgrowth observed No newgrowth observed Observed dieback Observed dieback Observed dieback		Retain		R etain	-75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.70999908 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.70980072 -75.70980072 -75.70980072 -75.70980072 -75.70980072	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
yes a ree single stem on the single stem on the single stem of the sin	Eastern White Pine Soots Pine White Poplar Green Ash White Spruce Green Ash White Spruce Green Ash White Spruce Eastern White Pine Eastern White Pine Soots Pine European Buckthorn Eastern White Pine Green Ash White Spruce Eastern White Pine Soots Pine European Buckthorn Eastern White Pine Green Ash Soots Pine White Spruce Eastern White Pine Soots Pine White Spruce Eastern White Pine Soots Pine White Spruce Eastern White Pine	Populus alba Fraxinus pennsylvanica Picea glauca Fraxinus pennsylvanica Picea glauca Picea glauca Pinus strobus Picea glauca Pinus strobus Pinus sylvestris Rhamnus cathartica Pinus strobus	6 55 14 70 29 34 42 34 37 12 69 12 23 24 60 33	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.5 2. Good 1.4 2. Good 7.0 2. Good 2.9 3. Fair 3.4 3. Fair 4.2 2. Good 3.4 3. Fair 3.4 2. Good 3.7 3. Fair 0.0 2. Good 6.9 3. Fair 1.2 2. Good 2.3 4. Poor 2.4 4. Poor 2.4 4. Poor 3.3 3. Fair	Dieback observed 30% Observed dieback 20% Observed dieback 20% Observed dieback 10% No newgrowth observed No newgrowth observed Observed dieback		Retain		R etain	75.71009827 -75.71009827 -75.70999908 -75.70999908 -75.70999908 -75.7099990 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.7098999 -75.70980072 -75.70980072 -75.70980072	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

ree ID	Tree or Shrub	Common Name	Scientific Name	DBH	Stems	CRZ	Condition	Condition Notes	Action Notes	Phase 2 Action		Phase of Impacts	X	Y
102	Tree single stem	Amur Maple	Acerginnala	1	1 1	1.2	2 4: Poor	80% dieback		Remove	Conflict with MUP	Phase 2 Removal	-75,70739746	45.39
103		Amur Maple	Acerginnala		9 2		9 3: Fair	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70729828	45.39
104	Tree multi stem	Amur Maple	Acerginnala	1	2		2 3: Fair	Scar, lean		Remove	Conflict with MUP	Phase 2 Removal	-75,70729828	45.39
105		Amur Maple	Acerginnala	1	1 2		1 3: Fair	Crooked		Remove	Conflict with MUP	Phase 2 Removal	-75.70729828	45.39
106	Tree multi stem	Amur Maple	Acerginnala	1	0 2		0 3: Fair	frost crack		Remove	Conflict with MUP	Phase 2 Removal	-75,70729828	45.39
107		Amur Maple	Acerginnala		3		0 3: Fair	heavily pruned		Remove	Conflict with MUP Conflict with MUP	Phase 2 Removal	-75.70729828	45.39 45.39
108		Amur Maple Amur Maple	Acerginnala Acerginnala		10 2		4 4: Poor D 3: Fair	broken leader, lean lean		Remove Remove	Conflict with MUP	Phase 2 Removal Phase 2 Removal	-75.70729828 -75.70729828	45.39
110	Tree multi stem	Amur Maple	Acerginnala		0 2		D3: Fair	lean	4	Remove	Conflict with MUP	Phase 2 Removal	-75.70729020	45.39
111	Tree multi stem	Amur Maple	Acerginnala	1	0 2		D3: Fair	broken branches, lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
112		Amur Maple	Acerginnala	1	0 5		0 3: Fair	dieback		Remove	Conflict with MUP	Phase 2 Removal	-75.70729828	45.39
113	Tree multi stem	Amur Maple	Acerginnala	1	0 5		0 3: Fair	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
114	Tree multi stem	Amur Maple	Acerginnala		7 3	0.7	7 3: Fair	Crooked		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
115	Tree multi stem	Amur Maple	Acerginnala	1	16 2	1.6	6 2: Good	pruned		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
116	Tree multi stem	Amur Maple	Acerginnala		3	1.3	3 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.70729828	45.39
117	Tree multi stem	Amur Maple	Acerginnala	1	12 3		2 3: Fair	1 stem dead, lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
118		Amur Maple	Acerginnala	1	1 3		1 3: Fair	Pru car	-4	Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
119		Amur Maple	Acerginnala		8 1		B 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
120	Tree multi stem	Amur Maple	Acerginnala	1	1 3		1 3: Fair	dieback		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
121	Tree multi stem	Amur Maple	Acerginnala	1	12 3		2 3: Fair	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.3
122	Tree multi stem	Amur Maple	Acerginnala		8 2		B 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.3
123		Amur Maple	Acerginnala		2		7 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991 -75.7071991	45.39 45.39
124		Amur Maple Amur Maple	Acerginnala Acerginnala		4 2		1 2: Good 4 4: Poor	lean, epicormic growth		Remove Remove	Conflict with MUP Conflict with MUP	Phase 2 Removal Phase 2 Removal	-75.7071991	45.3
126		Amur Maple	Acerginnala		5 1		5 2: Good	Cut Jean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
127		Amur Maple	Acerginnala		8 3		8 2: Good	lean		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
128		Amur Maple	Acerginnala	1	5 3		5 3: Fair	crack		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
129		Amur Maple	Acerginnala		5 A		5 3: Fair	Sca		Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.3
130		Sugar Maple	Acersaccharum		4 1		4 1: Excellent		Confirmed for relocation, Spring 2022	Relocate	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
131	A STATE OF THE PARTY OF THE PAR	Hackberry	Celtis occidentalis	1	12 1		2 2: Good	very low scaffold branches	Confirmed for relocation, Spring 2022	Relocate	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
132	Tree single stem	Amur Maple	Acerginnala	3	38 1		B 2: Good		A CONTRACTOR OF THE CONTRACTOR	Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.39
133	Shrub Grouping	Eastern Red-cedar	Juniperus virginiana		6 3	0.0	6 1: Excellent			Remove	Conflict with MUP	Phase 2 Removal	-75.7071991	45.3
		Eastern Red-cedar	Juniperus virginiana		5 11		5 2: Good	buried in snow banks, cannot observe		Remove	Conflict with MUP	Phase 2 Removal	-75,70739746	45.3
	Shrub Grouping	Common Ninebark	Physocarpus opulifolia		5 10		5 2: Good	10 + plants with over 5 stems each		Remove	Conflict with MUP	Phase 2 Removal	-75.70749664	45.3
136		Red Maple	A cer ru brum	£ 9	7 1		7 1: Excellent	A STATE CONTRACTOR STATE STATE OF STATE STATE OF STATE	Confirmed for relocation, Spring 2022	Relocate	Direct conflict with parking	Phase 2 Removal	-75.70770264	45.3
137		Russian Olive	Elae agnus angustifolia	1	8 4		B 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70780182	45
138		Russian Olive	Elae agnus angustifolia	1	2		6 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75,70780182	45
139		Russian Olive	Elae agnus angustifolia	-1-3	1		5 2: Good		1	Remove	Direct conflict with parking	Phase 2 Removal	-75.707901	45.3
	Tree multi stem	Russian Olive	Elae agnus angustifolia	1 1	1 2		2 2: Good 1 2: Good	Thorns present - reverted from 'inermis' cultivar		Remove	Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75.707901 -75.70800018	45.3 45.3
141	Tree single stem Tree single stem	Russian Olive Carolina Poplar	Elae agnus angustifolia Populus carolina	10	10 4		0 2: Good	n norns present - reverted from 'inermis' cultivar multiple codominant leaders	1	Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal	-75.70800018 -75.70809937	45.3
143	CANADA ANTO-CALADA ANTO-CALADA		A cerplatanoides		14 1		4 1: Excellent	manapic codominant leaders		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70009937	45.3
144			Ulmus americana	1	2 1		2 2: Good		1	Remove - LRT	Conflict with LRT trench w		-75,707901	45.3
145		Green Ash	Fraxinus pennsylvanica		7 10		7 4: Poor	emerald ash borer		Remove - LRT	Conflict with LRT trench w		-75.707901	45.3
146	11	Staghorn Sumac	Rhus typhina		5 22		5 2: Good			Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.707901	45.39
147	Shrub Grouping	Tatarian Honeysuckle	Lonicera tatarica		3 15		3 2: Good			Remove - LRT	Conflict with LRT trench w		-75.70800018	45.39
148		Norway Maple	A cerplatanoides	4	11 1		1 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.707901	45
149	Tree single stem	White Elm	Ulmus americana	1	0 1		0 5: Dead			Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70800018	45
150	Tree single stem	Norway Maple	Acerplatanoides	4	15 1		5 1: Excellent			Remove	Direct conflict with parking	Phase 2 Removal	-75,70800018	45
151		Manitoba Maple	Acernegundo	1	0 3		0 3: Fair	Cut, regrown		Remove - LRT	Conflict with LRT trench w		-75.70800018	45.3
152		Manitoba Maple	Acernegundo	6	5 7		5 4: Poor	Cut, regrown epicormic growth		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75,70809937	45.3
153	Tree single stem	Sugar Maple	A cer saccharum		39 1		9 1: Excellent			Remove	Direct conflict with parking	Phase 2 Removal	-75.70809937	45.3
154	CATALOG STORY STOR	Green Ash	Fraxinus pennsylvanica		б 1		6 4: Poor	epicormic growth - no living trunk		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75,70819855	45.39
155		Apple sp	Malussp.	1	1		0 4: Poor	Mostly dead	_	Remove	Direct conflict with parking	Phase 2 Removal	-75.70819855	45.39
156	Contract of the Contract of th	European Buckthorn	Rhamnus cathartica		4 2		D 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70819855	45.39
157		Green Ash	Fraxinus pennsylvanica		2 2		2 4: Poor 5 4: Poor	Epicomic growth only, main trunk cut down		Remove - LRT	Conflict with LRT trench w Conflict with LRT trench w	LRT Phase 2 LRT Phase 2	-75.70829773 -75.70829773	45.3 45.3
159		Green Ash Tatarian Honevsuckle	Fraxinus pennsylvanica Lonicera tatarica		3 6		3 2: Good	trunk cut, only epicormic growth living		Remove - LRT Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70829773	45.3
160		Norway Maple	A cerplatanoides	-	9 1		9 3: Fair	growing in fence, included bark		Remove	Direct conflict with parking	Phase 2 Removal	-75.70829773	45.39
161	Shrub	European Buckthorn	Rhamnus cathartica		8 3		0 3: Fair	broken branches		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70829773	45.3
162		White Elm	Ulmus americana		7 1		7 3: Fair	15% dieback, bark removed, lean		Remove	Direct conflict with parking	Phase 2 Removal	-75.70829773	45.3
163	Tree single stem	Ohio Buckeye	A esculus glabra	1	1 1		1 1: Excellent		Confirmed for relocation, Spring 2022	Relocate	Direct conflict with parking	Phase 2 Removal	-75.70829773	45.39
164	Tree single stem	European Buckthorn	Rhamnus cathartica	1	1 1	0.0	0 2: Good			Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70839691	45.3
165	Shrub Grouping	Tatarian Honeysuckle	Lonicera tatarica		8 20	0.8	8 3: Fair	Mixed ash, Lontart, rha cath in corridor		Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70850372	45.39
	Tree single stem		Elae agnus angustifolia	1	12 1	1.2	2 3: Fair		3		Conflict with LRT trench w		-75,70850372	45.39
167	Tree single stem		Elae agnus angustifolia	1	2 1		2 3: Fair			Remove - LRT	Conflict with LRT trench w	LRT Phase 2	-75.70850372	45.39
	Tree single stem		Elae agnus angustifolia	1	12 1		2 3: Fair				Conflict with LRT trench w		-75,70850372	45.39
	Shrub	Green Ash	Fraxinus pennsylvanica		5 1		5 4: Poor				Conflict with LRT trench w		-75.70850372	45.39
	Shrub	Tatarian Honeysuckle	Lonicera tatarica		5 30		5 2: Good			Remove	Direct conflict with parking		-75,70839691	45.39
171			Ulmus americana	1	2 1		2 1: Excellent		1	Remove	Direct conflict with parking		-75.70850372	45.39
		European Buckthorn	Rhamnus cathartica	1	6		D3: Fair	Listen bride in India /		Remove	Direct conflict with parking		-75,70850372	45.39
	Tree single stem		Juglans nigra	1	1 1		5 3: Fair D 3: Fair	Living buds in lentiful canker on upper stem			Conflict with LRT trench w Conflict with LRT trench w		-75.70860291 -75.70860291	45.39 45.39
	Tree single stem Tree single stem		A cernegundo A cernegundo		00 4		D3: Fair D3: Fair	crooked, unbalanced canopy, epicomic growth		Remove - LRT Remove - LRT	Conflict with LRT trench w		-75.70860291 -75.70860291	45.39
	Tree single stem		Fraxinus pennsylvanica		2 1		2 4: Poor		-	Remove - LRT	Conflict with LRT trench w		-75.70860291	45.3
	Tree single stem		A cerp latano ides		35 1		5 1: Excellent			Remove - LRT	Conflict with LRT trench w		-75.70870209	45.39
	Tree single stem		Fraxinus pennsylvanica		20 1		0 4: Poor	epicormic growth		Remove - LRT	Conflict with LRT trench w		-75.70870209	45.39
	Tree multi stem		Fraxinus pennsylvanica		7 3		7 4: Poor	Tree cut regen only		Remove - LRT	Conflict with LRT trench w		-75.70870209	45.39
180	Tree single stem		Ulmus americana	1	15 1	1.5	5 2: Good	- A		Remove - LRT	Conflict with LRT trench w		-75,70880127	45.39
	Shrub	Hawthorn sp.	Crata egu s sp.		7 4	0.7	7 2: Good			Retain		LRT	-75.70880127	45.39
181	-	Manitoba Maple	Acernegundo		6 1	0.0	6 4: Poor	trunk cut, regenerative growth		Retain		LRT	-75,70890045	45.39
182			Fraxinus pennsylvanica		4 5		4 4: Poor	Cut, regenerative growth only		Retain	in	LRT	-75.70880127	45.39
182 183	Tree multi stem		Ulmus pumila	1	0 1		0 3: Fair	broken leader		Retain		LRT	-75,70880127	45.3
182 183 184	Tree multi stem Tree single stem		Euonymus europaeus		5 1		5 3: Fair	Side leader dominant	Confirmation to the Confirmation of the Confir	Retain	C #-1. " -1	LRT	-75.70880127	45.39
182 183 184 185	Tree multi stem Tree single stem Tree single stem	European Spindletree				1 13	2 1: Excellent 5 2: Good		Confirmed for relocation, Spring 2022	Relocate	Conflict with staging/const		-75,70870209 -75,70880127	45.39 45.39
182 183 184 185 186	Tree multi stem Tree single stem Tree single stem Tree single stem	European Spindletree Ohio Buckeye	A esculus glabra	1	05				4	Retain	I C	LRT	-75.7000012/	45.3
182 183 184 185 186 187	Tree multi stem Tree single stem	European Spindletree Ohio Buckeye Siberian Elm	A esculus glabra Ulmus pumila	1 2	25 1	2.5			ä	Retain		IRT	_75 7090004d	
182 183 184 185 186 187	Tree multi stem Tree single stem	European Spindletree Ohio Buckeye Siberian Elm Norway Maple	A esculus glabra Ulmus pumila A cerplatano ides	1 2	125 1 146 1 13 1	2.5 4.6	6 2: Good		Undated from LRT removal to outside of LRT retention Mov	Retain Retain		LRT LRT	-75.70890045 -75.70899963	
182 183 184 185 186 187 188 189	Tree multi stem Tree single stem	European Spindletree Ohio Buckeye Siberian Elm Norway Maple Norway Maple	A esculus glabra Ulmus pumila A cerp latano ides A cerp latano ides	1 2 4 4	125 1 146 1 143 1	2.5 4.6 4.3	6 2: Good 3 2: Good	lean pruned	Updated from LRT removal to outside of LRT retention Mar Updated from LRT removal to LRT retention March 2022	Retain		LRT LRT LRT	-75.70899963	45.39
182 183 184 185 186 187 188	Tree multi stem Tree single stem Tree multi stem	European Spindletree Ohio Buckeye Siberian Elm Norway Maple Norway Maple Russian Olive	A esculus glabra Ulmus pumila A cer p latano ides A cer p latano ides Elae agnus angustifo lia	1 2 4 4 1	125 1 125 1 146 1 13 1 10 2 39 1	2.5 4.6 4.3 1.0	6 2: Good	lean, pruned scar, large secondary stem removed	Updated from LRT removal to outside of LRT retention Mar Updated from LRT removal to LRT retention March 2022 Updated from LRT removal to outside of LRT retention Mar	Retain Retain	<u></u>	LRT		45.39 45.39
182 183 184 185 186 187 188 189	Tree multi stem Tree single stem Tree multi stem Tree single stem	European Spindletree Ohio Buckeye Siberian Elm Norway Maple Norway Maple Russian Olive Russian Olive	A esculus glabra Ulmus pumila A cerp latano ides A cerp latano ides	1 2 4 4 1 1 3	125 1 125 1 146 1 133 1 100 2 39 1 288 2	2.5 4.6 4.3 1.0 3.9	6 2: Good 3 2: Good 0 3: Fair	lean, pruned scar, large secondary stem removed	Updated from LRT removal to LRT retention March 2022	Retain Retain		LRT LRT	-75.70899963 -75.70899963	45.39 45.39 45.39
182 183 184 185 186 187 188 189 190 191	Tree multi stem Tree single stem Tree multi stem Tree single stem	European Spindletree Ohio Buckeye Siberian Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce	A esculus glabra Ulimus pumila A cer platano ides A cer platano ides Elae agnus angustifo lia Elae agnus angustifo lia	1 1 2 4 4 4 1 1 3 3 2 2 3 3	125 1 146 1 133 1 100 2 39 1 288 2 32 1	2.5 4.6 4.3 1.0 3.9 2.2.8 3.3	6 2: Good 3 2: Good 0 3: Fair 9 3: Fair 8 2: Good 2 2: Good		Updated from LRT removal to LRT retention March 2022	Retain Retain Retain	<i>y</i>	LRT LRT Phase 7	-75.70899963 -75.70899963 -75.70899963 -75.70980072 -75.70980072	45.39 45.39 45.39 45.39
182 183 184 185 186 187 188 189 190 191 192 193 194	Tree multi stem Tree single stem Tree multi stem Tree single stem Tree multi stem Tree single stem Tree single stem Tree single stem	European Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Scots Pine	A esculus glabra Ulmus pumila Acer p latano ides Acer p latano ides Elae agnus angustfo ila Elae agnus angustfo ila Picea abies Picea abies Pinus sylvestris	1 1 2 4 4 4 1 3 3 2 2 2 2 2 2 2	125 1 125 1 133 1 100 2 139 1 128 2 129 1	2.5 4.6 4.3 2 1.0 3.9 2 2.6 3.2 2.5 2.5 2.5	6 2: Good 3 2: Good 0 3: Fair 9 3: Fair 8 2: Good 2 2: Good 9 2: Good		Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain		LRT LRT Phase 7 Phase 7 Phase 7 Phase 7	-75.70899963 -75.70899963 -75.70899963 -75.70899072 -75.70980072 -75.70980072	45.30 45.30 45.30 45.30 45.30 45.30
182 183 184 185 186 187 188 199 190 191 192 193 194 195	Tree muti stem Tree single stem Tree muti stem Tree muti stem Tree single stem Tree muti stem	European Spindletree Ohlo Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Scots Pine Scots Pine	A esculus glabra Ulmus pumila A cer pistano kies A cer pistano kies Elae agnus angustifo lia Elae agnus angustifo lia Elae agnus angustifo lia Picea abies Picea abies Pinus sy Westris Pinus sy Westris	11 2 4 4 4 4 4 1 1 2 2 2 2 2 2 2 2 2 2 2	125 1 125 1 133 1 100 2 139 1 128 2 129 1 129 2	2.5 4.6 4.3 3.5 2. 1.0 3.5 2.6 3.2 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	6 2: Good 3 2: Good 0 3: Fair 9 3: Fair 8 2: Good 2 2: Good 9 2: Good		Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain Retain		LRT LRT Phase 7 Phase 7 Phase 7	-75.70899963 -75.70899963 -75.70899963 -75.70890072 -75.70980072 -75.70980072 -75.70970154	45.3 45.3 45.3 45.3 45.3 45.3 45.3
182 183 184 185 186 187 188 199 190 191 192 193 194 195	Tree single stem Tree multi stem Tree single stem Tree single stem Tree single stem Tree multi stem Tree multi stem Tree multi stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Soots Pine Soots Pine Norway Spruce	A esculus glabra Ulmus pumile A cer p latano ides A cer p latano ides Elae agnus angustifo ila Elae agnus angustifo ila Picea abies Picea abies Pinus sylvestris Pinus sylvestris Picea abies	1 2 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	125 1 166 1 133 1 100 2 139 1 128 2 132 1 139 1 139 1	2.5 4.6 4.3 2. 1.0 3.5 2.6 3.2 2.5 2.5 3.3	6 2: Good 3 2: Good 3 2: Good 9 3: Fair 8 2: Good 2 2: Good 9 2: Good 9 2: Good 1 2: Good		Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain Retain Retain		LRT LRT Phase 7 Phase 7 Phase 7 Phase 7 Phase 7 Phase 7	-75.70899963 -75.70899963 -75.70899963 -75.70890072 -75.70980072 -75.70970154 -75.70970154	45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3
182 183 184 185 186 187 188 190 191 192 193 194 195 196	Tree single stem Tree multi stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Soots Pine Soots Pine Norway Spruce	A esculus glabra Ulmus pumila A cer p latano ides A cer p latano ides Elea agnus angustfo ila Elea agnus angustfo ila Picea abies Pinus sylvestris Pinus sylvestris Picea abies Picea abies Picea abies Picea abies	11 2 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 4.6 4.3 2 1.0 3.9 2.6 3.2 2.5 2.5 3.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	6 2: Good 3 2: Good 9 3: Fair 9 3: Fair 8 2: Good 2 2: Good 9 2: Good 9 2: Good 1 2: Good	scar, large secondary stem removed	Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain Retain Retain Retain		LRT LRT Phase 7	-75.7089963 -75.7089963 -75.70899963 -75.70860072 -75.70960072 -75.70970154 -75.70970154 -75.70960236	45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3
182 183 184 185 186 187 188 190 191 192 193 194 195 196 197	Tree mutti stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Scots Pine Scots Pine Norway Spruce Norway Spruce Norway Spruce Hackberry	A esculus glabra Ulmus pumila A cer pistano ides A cer pistano ides B laeagnus angustio ila Elaeagnus angustio ila Picea abies Picea abies Pinus sylvestris Pinus sylvestris Picea abies Picea abies Picea abies Cettis o cordentalis	11 22 44 44 41 13 33 22 22 23 33 33 33 33 33 33 33 33 33	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 4.6 4.3 3.5 2.6 3.2 2.5 2.5 3.1 3.3 3.3 3.3 3.3 3.3	5 2: Good 3 2: Good 3 2: Good 9 3: Fair 9 3: Fair 8 2: Good 9 2: Good 9 2: Good 1 2: Good 1 1: Excellent 4 1: Excellent	scar, large secondary stem removed	Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain		LRT Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.7080072 -75.70970154 -75.70970154 -75.70960236 -75.70960236	45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3
182 183 184 185 186 187 188 190 191 192 193 194 195 196 197 198	Tree multi stem Tree single stem Tree multi stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Soots Pine Soots Pine Norway Spruce Norway Spruce Norway Spruce Hackberry Hackberry	A esculus glabra Ulmus pumila A cer p latano ides A cer p latano ides A cer p latano ides Elea agnus angustifo ila Elea agnus angustifo ila Picea abies Pinus sylvestris Pinus sylvestris Picea abies Picea abies Ceta cocidentalis Cetis o cocidentalis	11 22 44 4 4 4 1 1 1 2 2 2 2 2 2 2 2 2 2	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 4.6 4.3 2.1.0 3.5 2.2.6 3.1 2.5 2.5 3.1 3.0 3.0 3.4 2.2 2.2 3.1 3.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	5 2: Good 3 2: Good 3 3: Fair 9 3: Fair 9 3: Fair 9 2: Good 9 2: Good 9 2: Good 1 2: Good 1 2: Good 1 1: Excellent 2 1: Excellent	scar, large secondary stem removed	Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain		LRT Phase 7	-75.70899963 -75.70899963 -75.70899963 -75.70890072 -75.70980072 -75.70980072 -75.70970154 -75.70960236 -75.70960236 -75.70960236	45.3 45.3 45.3 45.3 45.3 45.3 45.3 45.3
182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200	Tree single stem	European Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Russian Olive Rorway Spruce Norway Spruce Scots Pine Scots Pine Norway Spruce Norway Spruce Hackberry Hackberry Hackberry	A esculus glabra Ulmus pumila A cer p latano ides A cer p latano ides Eleagnus angustfo ila Eleagnus angustfo ila Picea abies Picea abies Pinus sylvestris Pinus sylvestris Picea abies Celtis o occidentalis Celtis o occidentalis Celtis o ccidentalis	11 22 44 44 11 12 12 12 12 12 12 12 12 12 12 12 12	12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 4.6 4.6 1.0 3.5 2.2.6 3.1 2.5 2.5 3.1 3.0 3.4 2.2 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1	5 2: Good 3 2: Good 3 7: Fair 3 3: Fair 3 2: Good 2 2: Good 3 2: Good 3 2: Good 1 2: Good 0 1: Excellent 4 1: Excellent 1 1: Excellent	scar, large secondary stem removed Minor needle drop/dieback on shaded branches	Updated from LRT removal to LRT retention March 2022 Updated from LRT removal to outside of LRT retention Mar	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain		LRT Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.70980072 -75.70970154 -75.70970154 -75.70960238 -75.70960238 -75.70960317 -75.70950317	45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3:
182 183 184 185 186 187 188 190 191 192 193 194 195 196 197 198 199 200 201	Tree multi stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Scots Pine Scots Pine Norway Spruce Norway Spruce Norway Spruce Horway Spruce Horway Spruce Horway Spruce Hackberry Hackberry Hackberry Apple sp	A esculus glabra Ulmus pumila A cer pistano ides A cer pistano ides B laeagnus angustio lia Elaeagnus angustio lia Picea abies Picea abies Pinus sylvestris Pinus sylvestris Picea abies Cettis occidentalis Cettis occidentalis Cettis occidentalis Malus sp.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	00 2 399 1 1 288 2 2 1 1 299 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.6 4.6 4.3 3.5 2.8 3.3 2.8 2.9 2.9 3.1 3.4 2.2 3.1 3.4 3.4 3.5 3.4 3.5 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	5 2: Good 3 2: Good 3 3: Fair 9 3: Fair 9 2: Good 9 2: Good 9 2: Good 1 2: Good 1 2: Good 1 2: Good 1 1: Excellent 2 1: Excellent 9 2: Good	scar, large secondary stem removed Minor needle drop/dieback on shaded branches trunk scar	Updated from LRT removal to LRT retention March 2022	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain	Conflict with MUP widening	LRT Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.7080072 -75.70970154 -75.70970154 -75.70960238 -75.70960238 -75.70950317 -75.70950317 -75.70950317	45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30 45.30
182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 200 201 202	Tree multi stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Soots Pine Soots Pine Norway Spruce Norway Spruce Hackberry Hackberry Hackberry Apple sp Apple sp	A esculus glabra Ulmus pumila A cer pistano ides A cer pistano ides A cer pistano ides Elea agnus angustifo ila Elea agnus angustifo ila Picea abies Pinus sylvestris Pinus sylvestris Picea abies Celtis occidentalis Celtis occidentalis Celtis occidentalis Malus sp. Malus sp.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	12	2.8 4.8 4.3 1.0 3.8 2.8 2.8 3.1 3.0 3.4 2.2 3.1 3.1 3.2 2.2 3.1 3.2 3.2 3.2 3.2 3.3 3.2 3.3 3.3 3.3 3.3	5 2: Good 3 2: Good 3 3: Fair 9 3: Fair 9 3: Fair 9 3: Fair 9 3: Good 9 2: Good 9 2: Good 1 2: Good 1 2: Good 1 1: Excellent 1 1: Excellent 1 1: Excellent 1 1: Excellent 1 2: Good 3 2: Good	scar, large secondary stem removed Minor needle drop/dieback on shaded branches trunk scar trunk scar	Updated from LRT removal to LRT retention March 2022 Updated from LRT removal to outside of LRT retention Mar	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain	Conflict with MUP widening	LRT Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.7080072 -75.70970154 -75.70960236 -75.70960236 -75.70950317 -75.70950317 -75.70950317 -75.70950317	45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33
182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203	Tree mutit stem Tree single stem Tree mutit stem Tree single stem	European Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Russian Olive Rosyay Spruce Norway Spruce Scots Pine Scots Pine Norway Spruce Norway Spruce Hackberry Hackberry Hackberry Apple sp Apple sp Apple sp Apple sp	A esculus glabra Ulmus pumilis A cer p letano ides A cer p letano ides Eleagnus angustfo ila Eleagnus angustfo ila Eleagnus angustfo ila Picea abies Picea abies Pinus sylvestris Pinus sylvestris Picea abies Celtis occidentalis Celtis occidentalis Malus sp. Malus sp. Malus sp. Malus sp.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	00 2 399 1 1 288 2 2 1 1 299 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.8 4.6 4.3 3.8 3.8 3.1 2.8 3.1 3.0 3.9 2.2 3.1 3.1 3.0 3.0 3.1 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	5 2: Good 3 2: Good 3 2: Good 3 3: Fair 3 3: Fair 3 2: Good 3 2: Good 3 2: Good 3 2: Good 1 2: Good 0 1: Excellent 4 1: Excellent 4 1: Excellent 1 1: Excellent 1 2: Good 3 2: Good 3 2: Good	scar, large secondary stem removed Minor needle drop/dieback on shaded branches trunk scar trunk scar trunk scar	Updated from LRT removal to LRT retention March 2022 Updated from LRT removal to outside of LRT retention Mar	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain	Conflict with MUP widenin	LRT Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.70980072 -75.70970154 -75.70970154 -75.70960238 -75.70960238 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317	45.39 45.39 45.39 45.39 45.39 45.39 45.39 45.39 45.39 45.39 45.39 45.39 45.39
182 183 184 185 186 187 190 191 192 193 194 195 195 196 200 201 202 203 204	Tree multi stem Tree single stem	Europe an Spindletree Ohio Buckeye Siberian Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Scots Pine Scots Pine Norway Spruce Norway Spruce Hackberry Hackberry Hackberry Hackberry Apple sp Apple sp Apple sp Apple sp	A esculus glabra Ulmus pumila A cer p latano ides A cer p latano ides B laeagnus angustio lia E laeagnus angustio lia Picea abies Picea abies Pinus sylvestris Pinus sylvestris Pinus sylvestris Picea abies Celtis occidentalis Celtis occidentalis Celtis occidentalis Malus sp. Malus sp. Malus sp. Malus sp.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	00 2 399 1 1 288 2 2 1 1 299 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 4.6 4.3 4.3 2.1 3.5 2.2 3.1 3.0 3.9 2.2 3.1 3.1 2.2 3.1 2.2 3.1 2.2 3.1 2.2 3.1 2.2 3.1 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2 3.2	5 2: Good 3 2: Good 3 3: Fair 3 3: Fair 3 3: Fair 3 2: Good 2 2: Good 3 2: Good 1 2: Good 1 2: Good 1 1: Excellent 2 1: Excellent 1 1: Excellent 1 1: Excellent 3 2: Good 3 2: Good 4 2: Good 4 2: Good	scar, large secondary stem removed Minor needle drop klieback on shaded branches trunk scar trunk scar trunk scar trunk scar	Updated from LRT removal to LRT retention March 2022 Updated from LRT removal to outside of LRT retention Mar	Retain	Conflict with MUP widening	LRT Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.70980072 -75.70980072 -75.70970154 -75.70970154 -75.70960238 -75.70960238 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317	45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3: 45.3:
182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 200 201 202 203 204 205	Tree mutit stem Tree single stem Tree mutit stem Tree single stem	Europe an Spindletree Ohio Buckeye Sibertan Elm Norway Maple Norway Maple Russian Olive Russian Olive Norway Spruce Norway Spruce Scots Pine Scots Pine Norway Spruce Hackberry Hackberry Hackberry Apple sp Apple sp Apple sp Apple sp Apple sp Apple sp	A esculus glabra Ulmus pumilis A cer p letano ides A cer p letano ides Eleagnus angustfo ila Eleagnus angustfo ila Eleagnus angustfo ila Picea abies Picea abies Pinus sylvestris Pinus sylvestris Picea abies Celtis occidentalis Celtis occidentalis Malus sp. Malus sp. Malus sp. Malus sp.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	00 2 399 1 1 288 2 2 1 1 299 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.8 4.6 4.3 1.0 3.8 2.8 3.1 2.8 3.1 3.0 3.4 2.2 3.1 3.1 2.2 3.1 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2	5 2: Good 3 2: Good 3 2: Good 3 3: Fair 3 3: Fair 3 2: Good 3 2: Good 3 2: Good 3 2: Good 1 2: Good 0 1: Excellent 4 1: Excellent 4 1: Excellent 1 1: Excellent 1 2: Good 3 2: Good 3 2: Good	scar, large secondary stem removed Minor needle drop/dieback on shaded branches trunk scar trunk scar trunk scar	Updated from LRT removal to LRT retention March 2022 Updated from LRT removal to outside of LRT retention Mar	Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain Retain	Conflict with MUP widening	LRT LRT Phase 7 Phase 7	-75.7089963 -75.7089963 -75.7089963 -75.70890072 -75.7080072 -75.70980072 -75.70970154 -75.70970154 -75.70960238 -75.70960238 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317 -75.70950317	45.30 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33 45.33

Tree ID Tree or Shrub	Common Name	Scientific Name	DBH	Stems	CRZ	Condition	Condition Notes	Action Notes		Reason for Removal	Phase of Impacts	X	Y
1236 Tree single stem 1261 Tree single stem		Tilia platyphyllos	6	1 1		1 3: Fair	Prune and broken		Retain		Retain	-75.70950317 -75.70929718	45.3945007 45.3944015
1261 Tree single stem		Picea glauca Platanus occidentalis	50	5 1		5 2: Good 5 3: Fair	Included bark, 30% dieback		Retain Retain		Retain Retain	-75,70929718 -75,70939636	45.3945007
1263 Tree single stem		Acerplatanoides	41	8 1		3: Fair	Cod bro prun large diam branches leaders broepi		Retain	\$	Retain	-75.709198	45.3944015
1280 Tree multi stem		Acernegundo	11	0 5		5: Dead	, and the second		Remove	Dead tree within fall distan	Phase 2 Removal	-75,70870209	45.3944015
1281 Tree single stem		Fraxinus pennsylvanica	11	0 1		5: Dead	W4.00		Remove	Dead tree within fall distan	Phase 2 Removal	-75.70880127	45 .394 401 5
1282 Tree multi stem		Rhamnus cathartica	10	0 3		3: Fair	Epicomic growth		Retain		Retain	-75,70880127	45.3944015
1283 Tree single stem		Fraxinus pennsylvanica	12	2 1		5: Dead	ELECTROPISMENT CONTRACTOR OF THE CONTRACTOR OF T		Remove	Dead tree within fall distan	Phase 2 Removal	-75.70870209	45.3944015
1284 Tree multi stem 1285 Tree single stem		A cer negundo Fraxinus pennsylvanica	11	6 1		7 3: Fair D 5: Dead	lean, broken branches, epicormic growth		Retain Retain	-	Retain Retain	-75,70870209 -75,70870209	45.3944015 45.3944015
1286 Tree multi stem	Green Ash	Fraxinus pennsylvanica	1 1	9 2		0 5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75.70870209	45.3944015
1287 Tree single stem		Fraxinus pennsylvanica	1	1 1		5: Dead			Remove	Dead tree within fall distan		-75.70880127	45.3944015
	European Buckthorn	Rhamnus cathartica	2	1 2		3: Fair	epicormic growth		Retain		Retain	-75.70880127	45.3944015
1289 Tree single stem		Prunus virginiana	10	0 1		3: Fair	Lea tight cluster on edge of woodlot vines		Retain		Retain	-75.70880127	45.3944015
1290 Tree single stem	Chokecherry	Prunus virginiana		8 1		3: Fair	Lea tight cluster on edge of woodlot vines		Retain	2	Retain	-75,70880127	45.3944015
1291 Tree single stem		Prunus virginiana		9 1		3: Fair	Lea tight cluster on edge of woodlot vines		Retain		Retain	-75.70880127	45.3944015
1292 Tree single stem		Prunus virginiana	11	0 1		3: Fair	Leatght cluster on edge of woodlot vines		Retain	2	Retain	-75,70880127	45.394401
1293 Tree single stem		Prunus virginiana	11	0 1		3: Fair	Lea tght cluster on edge of woodlot vines		Retain		Retain	-75.70880127	45.3944015
1294 Tree single stem		Prunus virginiana	11	0 3		0 3: Fair 2 3: Fair	Leatight cluster on edge of woodlot vines		Retain Retain		Retain Retain	-75,70880127 -75,70880127	45.394401: 45.394298:
1295 Tree single stem 1296 Tree single stem		Prunus virginiana Prunus virginiana	1.	4 1		1 3: Fair	Leatight cluster on edge of woodlot vines Leatight cluster on edge of woodlot vines		Retain	<u>.</u>	Retain	-75.70890045	45.394401
1297 Tree single stem		Prunus virginiana		7 1		7 3: Fair	Lea tght cluster on edge of woodlot vines		Retain		Retain	-75.70880127	45.394401
1298 Tree single stem		Fraxinus pennsylvanica	31	0 1		0 5: Dead	Edutific ordered on cage of modelet filled		Remove	Dead tree within fall distan	Phase 2 Removal	-75.70890045	45,394401
	European Buckthorn	Rhamnus cathartica		8 3		3: Fair			Retain		Retain	-75.70880127	45.394401
1300 Tree single stem		Fraxinus pennsylvanica	11	8 1	0.0	5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75,70890045	45.394401
1301 Tree single stem		Acernegundo	10	0 1		3: Fair	Lea epi cod		Retain		Retain	-75.70890045	45.394401
1302 Tree multi stem	Green Ash	Fraxinus pennsylvanica	1:	5 2		5: Dead	the start of the second		Retain	E. C.	Retain	-75.70880127	45.394401
1303 Tree multi stem	Green Ash	Fraxinus pennsylvanica	1	1 2		5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75.70880127	45.394401
1304 Tree multi stem		Euonymus europaeus	1 1	1 3		1 2: Good			Retain	Boods. W	Retain	-75,70890045	45.3945007
1305 Tree single stem		Fraxinus pennsylvanica	21	vj 1		5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal Retain	-75.70880127 75.70800045	45.394500
1306 Tree single stem 1307 Tree single stem		Prunus virginiana Prunus virginiana	1 1	9 3		2: Good 9 2: Good			Retain Retain	<u></u>	Retain Retain	-75,70890045 -75,70880127	45.394401 45.394500
1307 Tree single stem		Prunus virginiana Prunus serotina	1 1	3 1		5 5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75.708900127	45.394500
1309 Tree single stem		Prunus virginiana	1 1	2 1		2 4: Poor	leader broken, fallen		Remove	Poor condition tree within 1	Phase 2 Removal	-75.70890045	45.394500
1310 Tree single stem		Prunus virginiana		8 1		3 4: Poor	Fallen bro lead		Remove	Poor condition tree within t		-75.70890045	45.394500
1311 Tree single stem		Ulmus americana	10	6 1		6 4: Poor	Main trunk cut stem is epilea cra		Remove	Conflict with Road B	Phase 2 Removal	-75.70890045	45.394599
1312 Tree single stem	Green Ash	Fraxinus pennsylvanica	1	1 1	1.1	1 4: Poor	Emerald ash borer, main trunk cut		Retain	Č.	Retain	-75,70890045	45.394401
1313 Tree single stem		Fraxinus pennsylvanica	10	8 1		3 4: Poor	only epicormic growth living		Remove	Poor condition, dying tree,	Phase 2 Removal	-75.70899963	45.3945007
1314 Tree single stem		Rhamnus cathartica	1-	4 1		3: Fair	epicormic growth, codominant stems		Remove	Conflict with Road B	Phase 2 Removal	-75,70899963	45.394599
1315 Tree single stem		Acernegundo	44	4 1		4 2: Good	Last and OO alls		Remove	Conflict with Road B	Phase 2 Removal	-75.70899963	45.394599
1316 Tree multi stem 1317 Tree multi stem		Acernegundo Acernegundo	3	4 3		1 3: Fair 4 3: Fair	Lea epi30 db Lea epi30 db		Remove Remove	Conflict with Road B Conflict with Road B	Phase 2 Removal Phase 2 Removal	-75.70899963 -75.70899963	45.394599 45.394599
	Manitoba Maple	Acernegundo	2	3 10		3 3: Fair	Lea epi 30 db		Remove	Conflict with Road B	Phase 2 Removal	-75.70099963	45.394599
1319 Tree single stem		Ulmus americana	2	2 1		2 2: Good	Lea opi so as		Remove	Conflict with Road B	Phase 2 Removal	-75.70899963	45.394599
1320 Tree multi stem		Acernegundo	10	0 5		3: Fair	Lea epi 30 db		Remove	Conflict with Road B	Phase 2 Removal	-75.70909882	45.394599
		Euonymus europaeus	10	0 2	1.0	4: Poor	Tree fallen on top		Remove	Conflict with Road B	Phase 2 Removal	-75.70909882	45.394699
1322 Tree single stem	Black Cherry	Prunus serotina		7 1		7 3: Fair	Crooked		Retain		Retain	-75,70909882	45.394599
1323 Tree single stem		Fraxinus pennsylvanica	24	4 1		5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75.70909882	45.3945999
1324 Tree single stem		Fraxinus pennsylvanica	2:	2 1		5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75,70909882	45.3945999
1325 Tree single stem		Fraxinus pennsylvanica	2	2 1		5: Dead			Remove	Dead tree within fall distan	Phase 2 Removal	-75.70909882	45.394599
1326 Tree single stem		Rhamnus cathartica	1 2	1 1		3: Fair	Leo avi 20 db		Retain	Dealining type within fell di	Retain	-75,70909882 75,7004.00	45.394599
1327 Tree multi stem 1328 Tree multi stem		Acernegundo Euonymus europaeus	3	1 2		1 3: Fair 1 4: Poor	Lea epi30 db Lea epi30 db		Remove Retain	Declining tree within fall di	Phase 2 Removal Phase 3	-75.709198 -75.709198	45.394599 45.394599
1329 Tree single stem		Ulmus americana	2	4 1		4 4: Poor	60% dieback		Remove	Diseased tree within fall di	Phase 2 Removal	-75,709198	45.394599
1330 Tree single stem		Fraxinus pennsylvanica	3:	5 1		5: Dead	oo to dicadeti		Remove	Dead tree within fall distan		-75.709198	45.394599
1331 Tree single stem		Rhamnus cathartica	13	3 1		3: Fair	epicormic growth		Retain		Retain	-75.709198	45.394500
1332 Tree single stem		Picea abies	4	4 1	4.4	4 3: Fair	30% dieback		Retain	2	Retain	-75,70929718	45.394500
1333 Tree single stem	Norway Spruce	Picea abies	4	4 1	4.4	4 3: Fair	unbalanced crown		Retain		Retain	-75.70929718	45.394500
1334 Tree single stem		Rhamnus cathertica	11	1 1		3: Fair	epicormic growth, lean		Retain	ž	Retain	-75,70929718	45.394500
1335 Tree single stem		Picea a bies	3:	9 1		3: Fair	unbalanced crown		Retain		Retain	-75.70929718	45.394500
1336 Tree single stem		Picea ables	31	6 1		3: Fair	30% dieback, unbalanced crown, woodpecker holes		Retain	2	Retain	-75,70939636	45.3945007
	European Buckthorn European Buckthorn	Rhamnus cathartica Rhamnus cathartica	1 1	7 1		0 3: Fair 0 3: Fair	epicormic growth epicormic growth		Retain Retain		Retain Retain	-75.70929718 -75.70929718	45.394599 45.394599
1339 Tree single stem		Picea glauca	3	8 1		3 2: Good	epicorniic growth		Retain		Retain	-75,70939636	45.394599
	European Buckthorn	Rhamnus cathartica	11	0 1		3: Fair	epicorm ic growth		Retain	<u> </u>	Retain	-75.70939636	45.394599
1341 Tree single stem	Green Ash	Fraxinus pennsylvanica	31	0 1		0 5: Dead			Remove	Dead tree within fall distan		-75.70929718	45.394599
1342 Tree single stem	White Spruce	Picea glauca	31	6 1		2: Good	unbalanced canopy		Retain		Retain	-75,70939636	45.394599
1343 Tree single stem	White Spruce	Picea glauca	4:	2 1	4.2	2 2: Good			Retain		Retain	-75.70939636	45.394599
1344 Tree single stem		Picea glauca	3:	9 1		2: Good	unbalanced canopy		Retain		Retain	-75,70950317	45.394599
1345 Tree single stem		Picea glauca	21	0 1		2: Good	unbalanced canopy		Retain	10 10 10 10 10 10 10 10 10 10 10 10 10 1	Retain	-75.70950317	45.394599
1346 Tree single stem 1349 Tree single stem		Picea glauca	49	9 1		9 2: Good 1 2: Good	unbalanced canopy, 15% dieback growing immediately adjacent to red pine		Retain		Retain	-75.70950317 -75.71009827	45.394500° 45.394798°
1349 Tree single stem		Gymnocladus dioicus A cernegundo	1 2	6 4		2: Good 3: 2: Good	growing minimouratory adjacent to red pine		Retain Retain		Retain Retain	-75.71009827 -75.71009827	45.394798 45.394798
1351 Tree single stem		Acernegundo		7 1		7 2: Good			Retain	<u>-</u>	Retain	-75,71009027	45.394798
1352 Tree single stem		Picea abies	6-	4 1		4 2: Good	unbalanced canopy		Retain	90	Retain	-75.70999908	45.394798
1353 Tree single stem	Norway Spruce	Picea abies	24	4 1	2.4	4 3: Fair	60% dieback		Retain		Retain	-75.7098999	45.394798
1354 Tree single stem		Picea ables	21	0 1	2.0	3: Fair	60% dieback		Retain	£	Retain	-75.7098999	45.394798
1355 Tree single stem		Picea a bies	3:	5 1		5 3: Fair	30% dieback				Phase 2 Injury	-75.7098999	45.394798
1356 Tree single stem		Pinus resinosa	2:	9 1		3: Fair	50% dieback			CR Zoverlaps grading limit		-75.7098999	45.394798
1357 Tree single stem		Pinus strobus	4:	2 1		2 2: Good			Remove	Conflict with Road B	Phase 2 Removal	-75.70999908	45.394901
1358 Tree single stem		Pinus strobus	6	(1		7 2: Good	loop, andominant dama		Remove	Conflict with Road B	Phase 2 Removal	-75,70999908 -75,70980072	45.394901
1359 Tree single stem 1360 Tree single stem		Pinus strobus Pinus strobus	33	0 1		5 3: Fair D 3: Fair	lean, codominant stems 30% dieback, codominant stems		Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal	-75.70980072 -75.70980072	45.395000 45.395000
1361 Tree single stem		Pinus strobus	4	1 1		1 2: Good	oo a acousti, cou ominiant stems		Remove	Direct conflict with parking		-75.70980072	45.395000
1362 Tree single stem		Pinus strobus	3	8 1		3 2: Good			Remove	Direct conflict with parking		-75.70980072	45.395000
1363 Tree single stem		Pinus strobus	3:	3 1		3 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70980072	45.395000
1364 Tree single stem	Green Ash	Fraxinus pennsylvanica		7 1	0.7	7 2: Good			Remove	Conflict with Road B	Phase 2 Removal	-75.7098999	45.394798
1365 Tree multi stem	Manitoba Maple	Acernegundo	2:	3 2		3 4: Poor	epicormic growth, broken branches, 30% dieback		Remove	Conflict with Road B	Phase 2 Removal	-75.7098999	45.394901
	American Mountain-ash		2	1 1		1 2: Good		Not suitable for relocation after site review March 2022	Remove		Phase 2 Removal	-75,70980072	45.394798
1367 Tree single stem		Pinus resinosa	3:	9 1		3: Fair	30% dieback		Remove	Conflict with Road B	Phase 2 Removal	-75.7098999	45,394901
1368 Tree single stem		Rhamnus cathartica	1:	o 1		3: Fair	broken branches, codominant stems, lean		Retain		Retain	-75.7098999 75.7098999	45.394798
1369 Tree single stem 1370 Tree single stem	American Mountain-ash		1 12	4 1		2 2: Good 3 3: Fair	30% diehaak kroken kranaksa		Retain	CP 7 quertano amplina lina 2	Retain	-75.7098999 -75.7098999	45.394798 45.394798
1370 Tree single stem		Pinus resinosa Pinus resinosa	31	0 1		3 3: Fair 0 3: Fair	30% dieback, broken branches 30% dieback, broken branches			CR Zoverlaps grading limit CR Zoverlaps grading limit		-75.70989999 -75.70980072	45.394798
	American Mountain-ash		1 4	7 3		7 2: Good	codominant stems		Potential Injury		Phase 2 Injury	-75.70980072	45.394798
1373 Tree multi stem		Acernegundo	2.	4 5		1 3: Fair	codominant stems codominant stems, lean, 15% dieback		Remove	Conflict with Road B	Phase 2 Removal	-75.70970154	45.394798
1374 Tree multi stem		Acernegundo	1 1	8 4		3 3: Fair	codominant stems, lean, 15% dieback		Remove	Conflict with Road B	Phase 2 Removal	-75.70980072	45.394901
1375 Tree single stem		Acernegundo	1	1 1		1 3: Fair	codominant stems, lean, 15% dieback		Remove	Conflict with Road B	Phase 2 Removal	-75.70970154	45.394901
1376 Tree multi stem	Green Ash	Fraxinus pennsylvanica	19	9 3	1.9	4: Poor	1 stem dead		Remove	Conflict with Road B	Phase 2 Removal	-75,70970154	45.394798
1377 Shrub Grouping	Staghorn Sumac	Rhustyphina		7 7	0.7	7 3: Fair			Remove	Conflict with Road B	Phase 2 Removal	-75.70970154	45.394901
1378 Tree single stem		Celtis occidentalis	3:	3 1		3 1: Excellent			Remove	Direct conflict with parking		-75,70950317	45.394901
1379 Tree single stem		Celtis occidentalis	31	6 1		1: Excellent			Remove		Phase 2 Removal	-75.70939636	45.3947982
1380 Tree single stem		Corylus sp.	2:	5 1		5 4: Poor 3 4: Poor	scars, broken branches, topped scars, broken branches, topped		Remove Remove	Direct conflict with parking Direct conflict with parking		-75.70850372 -75.70850372	45.395198 45.395198
	Hozol on									number conflict with parking			
1381 Tree single stem 1382 Tree single stem		Corylus sp. Pinus resinosa	1.	1 1		1 3: Fair	codominant stems, 15% dieback			Direct conflict with parking		-75.70839691	45.3954

							**						
Tree ID	Tree or Shrub		Scientific Name	DBH	Stems	CRZ Condition	Condition Notes	Action Notes Not suitable for relocation after site review March 2022		Reason for Removal	Phase of Impacts	-75,70819855	45 20500064
1385	Tree single stem Tree single stem		Malussp. Malussp.	13	1	2.0 2: Good 1.3 2: Good		Not suitable for relocation after site review March 2022 Not suitable for relocation after site review March 2022	Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75.70619655 -75.70819855	45.39509964 45.39500046
1386	Shrub	Viburnum sp.	Vibumum sp.	3	5	0.3 4: Poor	Mostly dead		Remove	Direct conflict with parking	Phase 2 Removal	-75,70829773	45.39500046
1387		European Buckthorn	Rhamnus cathartica	5	30	0.0 3: Fair	within grouping of Viburnum's		Remove	Direct conflict with parking		-75.70819855	45.39500046
1388		Viburnum sp. Austrian Pine	Vibumum sp. Pinus nigra	45	13	0.2 3: Fair 4.5 2: Good	30% dieback codominant stems		Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75,70829773 -75,70850372	45.39500046 45.39500046
1390			Pinusnigra	30	1	3.0 3: Fair	3 codominant stems		Remove	Direct conflict with parking	Phase 2 Removal	-75.70829773	45.39509964
1391	Tree single stem		Pinus nigra	40	1	4.0 3: Fair	codominant stem , 15% dieback		Remove	Direct conflict with parking	Phase 2 Removal	-75.70829773	45.39509964
	Shrub	Viburnum sp	Vibumum sp.	2	25	0.2 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70860291	45.39500046
1393	Tree single stem Tree single stem		Quercus rubra Quercus rubra	27		3.0 2: Good 2.7 2: Good			Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75.70860291 -75.70870209	45.39500046 45.39500046
1395			Celtis occidentalis	4	1	0.4 4: Poor	scar at root collar		Remove	Direct conflict with parking	Phase 2 Removal	-75.70880127	45.39490128
1396	Tree single stem	Red Oak	Quercus rubra	32	- 1	3.2 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75,70880127	45.39490128
1397			Acerginnala	18	5	1.8 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70850372	45.39479828
1398	Tree multi stem		A cerginnala A cerginnala	10	4	0.6 2: Good 1.0 2: Good			Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75,70839691 -75,70850372	45.39479828 45.39479828
1400			Ulmus americana	13	1	1.3 3: Fair	Lean, unbalanced crown, growing in canopy of Acer ginnals		Remove	Direct conflict with parking	Phase 2 Removal	-75,70839691	45.39479828
1401			Acerginnala	5	5	0.5 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70839691	45.39479828
1402			Acernegundo	20	1 20	2.0 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70839691 75.70830604	45.39479828
1403	Shrub Tree single stem	Viburnum sp Annle sn	Vibumum sp. Malus sp.	18	30	0.5 2: Good 1.8 2: Good	broken branch	Not suitable for relocation after site review March 2022	Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75.70839691 -75.70829773	45.39479828 45.39479828
1405			Malus sp.	30	1	3.0 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70850372	45.3946991
1406			Malus sp.	23	- 1	2.3 2: Good		Not suitable for relocation after site review March 2022	Remove	Direct conflict with parking	Phase 2 Removal	-75,70850372	45.3946991
1407	Tree single stem		Pinus sy Ivestris	49	1	4.9 3: Fair	codominant stems, included bark, crooked		Remove	Direct conflict with parking	Phase 2 Removal	-75.70870209	45.3946991
1408			Pinus sylvestris Pinus sylvestris	36 35	1	3.6 3: Fair 3.5 3: Fair	codominant stems, included bark codominant stems, included bark		Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75,70870209 -75,70870209	45.39479828 45.3946991
1410			Pinus sylvestris	30	1	3.0 2: Good	codominant otomo, moradou bank		Remove	Direct conflict with parking	Phase 2 Removal	-75.70870209	45.3946991
1411			Pinus sylvestris	43	1	4,3 3: Fair	Codominant stems, included bark, crooked		Remove	Direct conflict with parking	Phase 2 Removal	-75.70880127	45.39459991
1412			Malussp.	29	1	2.9 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70880127	45.3946991
1413	Tree single stem Tree single stem		Malus sp. Malus sp.	27 25	- 1	2.7 2: Good 2.5 2: Good			Remove Remove	Direct conflict with parking Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75.70880127 -75.70880127	45.3946991 45.39479828
1415			Malus sp.	31	1	3.1 2: Good			Remove	Direct conflict with parking	Phase 2 Removal	-75.70880127	45.3946991
1416	Tree single stem	Apple sp	Malus sp.	20	1	2.0 3: Fair	Bark removed on large branch		Remove	Direct conflict with parking	Phase 2 Removal	-75,70880127	45.39479828
1417			Malussp.	29 12	1	2.9 2: Good			Remove	Direct conflict with parking	Phase 2 Removal Phase 2 Removal	-75.70870209 -75.70939636	45.39479828 45.3946991
1418			Acernegundo Ulmus americana	12	1	1.2 2: Good 1.1 4: Poor	Vine suppression, lean, bark re		Remove Remove	Conflict with Road B Conflict with Road B	Phase 2 Removal	-75.70939636 -75.70939636	45.3946991
1420			Fraxinus pennsylvanica	10	1	0.0 5: Dead	Vines and honeysuckle around		Remove		Phase 2 Removal	-75,70939636	45.3946991
1421	Committee of the commit		Prunus serotina	10	1	0.0 5: Dead			Remove	Dead tree . Conflict with Ro	Phase 2 Removal	-75.70939636	45.3946991
1422			Fraxinus pennsylvanica	23	1	0.0 5: Dead			Remove	Dead tree . Conflict with Ro		-75,70939636 -75,70939636	45.3946991 45.3946991
1424		European Buckthorn Green Ash	Rhamnus cathartica Fraxinus pennsylvanica	26	1	0.0 2: Good 0.0 5: Dead			Remove Remove	Conflict with Road B Dead tree . Conflict with Ro	Phase 2 Removal Phase 2 Removal	-75.70950317	45.3946991
1425			Tilia americana	23	1	2.3 2: Good			Retain	D Cara is CO., Common Marries	Retain	-75.70950317	45.39459991
1426			Fraxinus pennsylvanica	20		0.0 5: Dead			Remove	Dead tree . Conflict with Ro		-75,70950317	45.3946991
1427 1428		Atternate-leaved Dogwo		11 27	2	1.1 3: Fair 0.0 5: Dead	included bark, codominant stem		Remove	CRZ overlaps grading limit		-75.70950317 -75.70950317	45.3946991 45.3946991
1429		Green Ash Apple sp	Fraxinus pennsylvanica Malus sp.	25	1	2.5 2: Good			Remove Remove	Dead tree . Conflict with Ro Conflict with Road B	Phase 2 Removal Phase 2 Removal	-75.70960236	45.39479828
1430			Fraxinus pennsylvanica	26	- 1	0.0 5: Dead			Remove		Phase 2 Removal	-75,70950317	45.39479828
1431			Ulmus americana	34	1	3.4 2: Good			Remove	Conflict with Road B	Phase 2 Removal	-75.70960236	45.39479828
1432			Fraxinus pennsylvanica	8 24	1	0.8 4: Poor	dying, epicormic growth only alive		Retain	2	Retain	-75,70960236	45.3946991 45.3946991
1433			Acernegundo Fraxinus pennsylvanica	25	1	2.4 3: Fair 0.0 5: Dead	lean, 15% dieback, codominant stems		Retain Remove	Dead tree within fall distan	Retain Phase 2 Removal	-75,70960236 -75,70950317	45.3946991
1435			Picea glauca	22	1	2.2 2: Good			Retain	2 Cara I Co Till III Tall Global	Retain	-75.7095031.7	45.39459991
1436			Picea glauca	39	1	3.9 3: Fair	30% dieback		Retain	\$	Retain	-75,70950317	45.3946991
1437	Tree single stem		Pices glaucs	50	- 1	5.0 2: Good 2.9 2: Good			Retain	C*	Retain	-75.70960236 -75.70970154	45.39459991 45.39459991
1439			Picea glauca Pinus resinosa	26	1	2.6 3: Fair	lean, 30% dieback		Retain Retain		Retain Retain	-75.70970154	45.3946991
1440			Picea glauca	44	1	4.4 2: Good			Retain		Retain	-75,70950317	45.39459991
1441			Picea glauca	37	1	3.7 2: Good			Retain		Retain	-75,70950317	45.39450073
1442			Prunus serotina	13 24	2	1.3 4: Poor 2.4 2: Good	lean, broken branches, fungal fruity body		Remove	Conflict with Road B Conflict with Road B	Phase 2 Removal Phase 2 Removal	-75.70960236 -75.7095031.7	45.39479828 45.39479828
	Tree multi stem		A cer negundo Fraxinus pennsylvanica	13	3	0.0 5: Dead			Remove Remove	Dead tree. Conflict with Ro	Phase 2 Removal	-75.70939636	45.39479828
		American Mountain-ash		11	1	1.1 3: Fair	lean		Remove	Conflict with Road B	Phase 2 Removal	-75.70939636	45.39479828
	Tree single stem		Acernegundo	15	1	1.5 2: Good	vines		Remove	Conflict with Road B	Phase 2 Removal	-75,70939636	45.39479828
	Tree single stem		Fraxinus pennsylvanica Acernegundo	14 25	1	0.0 5; Dead 2.5 3; Fair	shared location, growing out of base of poplar		Remove Retain	Dead tree . Conflict with Ro	Phase 2 Removal Retain	-75.70939636 -75.71099854	45.39479828 45.39500046
	Tree single stem	Red Oak	Quercus rubra	29	1	2.9 1: Excellent	adjacent to open space		Remove	Direct conflict with parking		-75.71009827	45.39509964
1561	Tree single stem	Norway Maple	A cerplatanoides	29	1	2.9 2: Good			Remove	Conflict with Road B	Phase 2 Removal	-75,71029663	45.39509964
		Common Buckthorn	Rhamnus cathartica	. 8	20	0.0 3: Fair	mixed with euceuro dense duster		Retain	Conflict with any	Retain	-75.71080017	45.39509964
1563	Tree multi stem Shrub Grouping	Manitoba Maple Staghorn Sumac	A cernegundo Rhus typhina	27	30	2.7 3: Fair 0.5 2: Good	lean, included bar Large cluster at base of slope		Remove Retain	Conflict with grading for ro	Phase 2 Removal Retain	-75,71060181 -75,71099854	45.39509964 45.39509964
	Tree multi stem		Acernegundo	23	4	2.3 3: Fair	lean, included bar		Remove	Conflict with Road B	Phase 2 Removal	-75.71040344	45.39500046
1566	Tree single stem	Black Cherry	Prunus serotina	23	1	2.3 2: Good	Canopy shade suppressed	Not suitable for relocation after site review March 2022	Remove	Conflict with Road B	Phase 2 Removal	-75.71019745	45.39500046
1567			Picea glauca	67	1	6.7 2: Good	Minor broken branches		Remove	Conflict with Road B	Phase 2 Removal	-75.71040344	45.39509964
1568	Tree multi stem Tree single stem		A cer negundo Fraxinus pennsylvanica	17 28	5	1.7 3: Fair 0.0 5: Dead	lean, included bark Dead		Retain Remove	Dead tree within fall distan	Retain Phase 2 Removal	-75.71029663 -75.71050262	45.39490128 45.39490128
	Tree single stem		Pinus resinosa	36	1	3.6 3: Fair	Crooked stem		Retain	Dead tree Within fail distan	Phase 4	-75.71060181	45.39490128
1571	Tree single stem	White Spruce	Picea glauca	36	1	3.6 3: Fair	30% dieback		Potential Injury	CRZ overlaps grading limit	Phase 2 Injury	-75,71050262	45.39490128
	Tree single stem		Pinus resinosa	37	1	3.7 3: Fair	poor canopy vigour		Retain		Retain	-75.71040344	45.39490128
1573	Tree single stem Shrub	White Poplar Lilac species	Populus alba	80	1	8.0 2: Good 0.9 2: Good	m anitoba m aple growing out of base 2 inc		Retain Retain		Retain Retain	-75,71099854 -75,71070099	45.39500046 45.39490128
	Tree single stem		Syringa sp Juglans nigra	10	1	1.0 4: Poor	2 inc 4 80%db		Retain	3	Retain	-75.71070099	45.39490128
1576	Tree single stem	Green Ash	Fraxinus pennsylvanica	9	1	0.9 4: Poor	4 eab		Retain	i in compagnition contents and a	Retain	-75.71080017	45.39500046
1577			Acernegundo	29	3	2.9 3: Fair	3 lea		Remove	Conflict with Road B	Phase 2 Removal	-75.71040344	45.39509964
1578			A cer negundo Rhamnus cathartica	27	3	2.7 3: Fair 0.0 3: Fair	lean , included bar Cluster of euro euro and mha catch small diam		Remove Remove	Conflict with grading for ro Invasive, brush clearing	Phase 2 Removal Phase 2 Removal	-75.71050262 -75.71060181	45.39509964 45.39509964
1579	Tree single stem		Pinus resinosa	29	12	0.0 3: Fair 2.9 3: Fair	cluster of euro euro and ma catch small diam broken branches		Remove	Invasive, brush clearing Conflict with grading for ro	Phase 2 Removal	-75.71060181 -75.71070099	45.39509964
1581			Fraxinus pennsylvanica	20	1	0.0 5: Dead	D ed		Remove	Dead tree in fall distance of		-75,71080017	45.39509964
1582	Tree multi stem	Manitoba Maple	Acernegundo	24	5	2.4 3: Fair	lean , included bar		Remove	Conflict with grading for ro	Phase 2 Removal	-75.71060181	45.39500046
	Shrub	Common Buckthorn	Rhamnus cathartica	8	3	0.0 3: Fair	4 C00/ 4b		Retain	CD7 aundama aunda au	Retain	-75.71060181 75.71070000	45.39490128
1584 1585			Pinus resinosa A cer negundo	36 29	1	3.6 4: Poor 2.9 3: Fair	4 60%db lean , included bar		Potential Injury Remove	CRZ overlaps grading limit Conflict with Road B	Phase 2 Injury Phase 2 Removal	-75.71070099 -75.71040344	45.39490128 45.39500046
	Tree single stem		Pinus strobus	56	1	5.6 2: Good	2 crooked stem		Remove	Conflict with Road B	Phase 2 Removal	-75.71029663	45.39500046
	Tree multi stem		Acernegundo	28	3	2.8 3: Fair	lean , included bar		Retain	<u> </u>	Phase 6	-75.71070099	45.39479828



HDR Architecture Associates Inc. 300 Richmond Road, Suite Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager Project Designer Project Architect Robert Malloy Jason-Emery Groen Project Architect Jeff Fahs Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Civil Engineer LEA Engineering Smith + Andersen Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Wayfinding Smith + Andersen Interior Designer

Sheet Reviewer Author MARK DATE DESCRIPTION

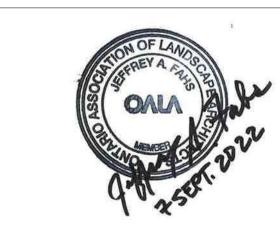
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Equipment Planner

HDR

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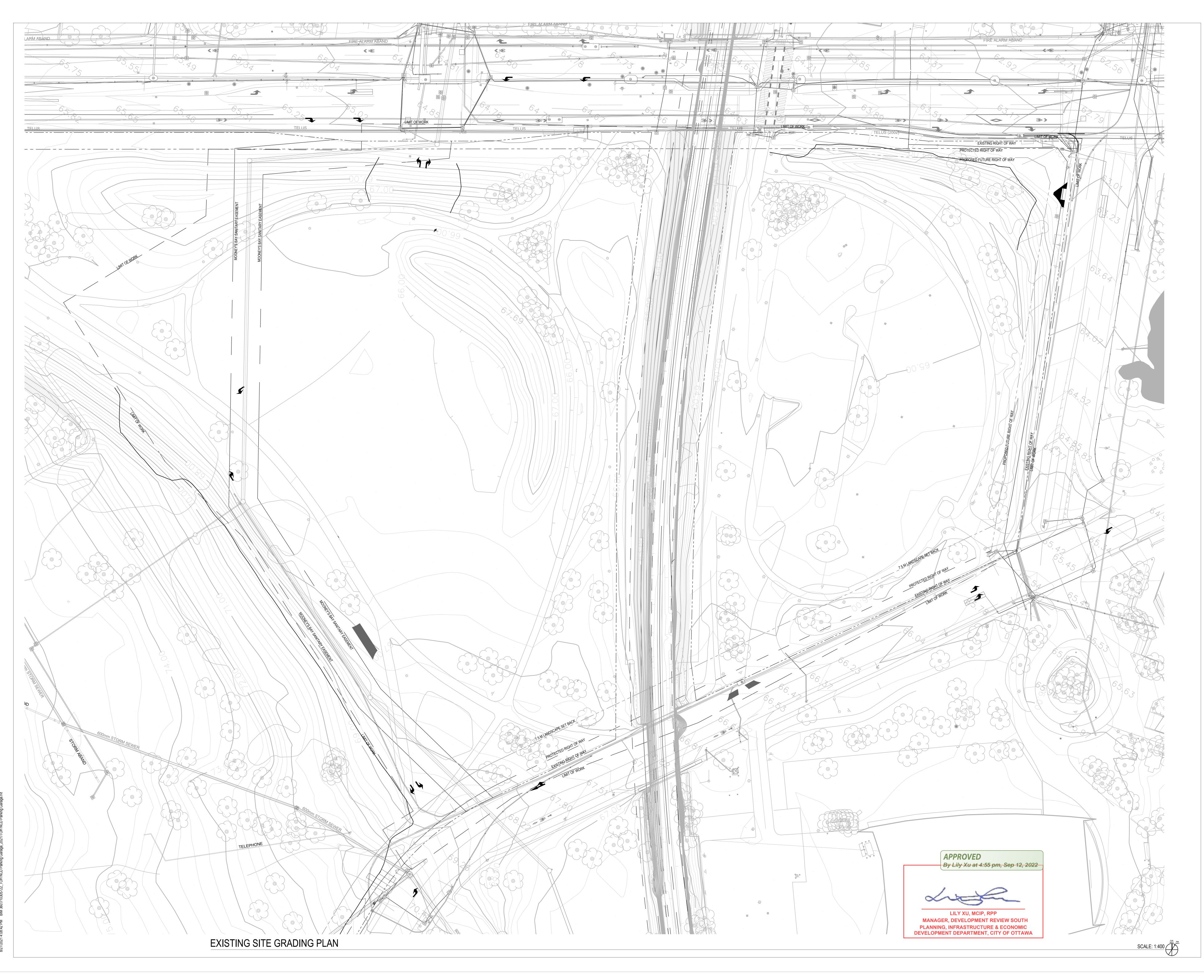


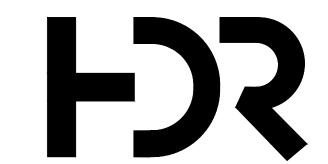
TREE INVENTORY DATA

LD-104

Progress Submission







The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
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Interior Designer
Equipment Planner
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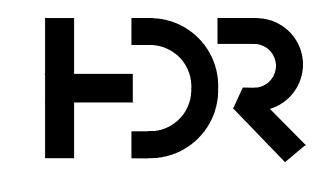
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EXISTING GRADING PLAN

Sheet Number

LG-001



The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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Electrical Engineer
Plumbing Engineer
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Equipment Planner
Wayfinding

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Project A
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 10
 2022-06-03
 ISSUED FOR SPC APPROVAL

 09
 2022-04-25
 ISSUED FOR NCC REVIEW

 08
 2022-04-04
 ISSUED FOR CM PRICING

 07
 2022-02-28
 ISSUED FOR SPC RESUBMISSION

 06
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 05
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 ISSUED FOR 75% DESIGN REVIEW

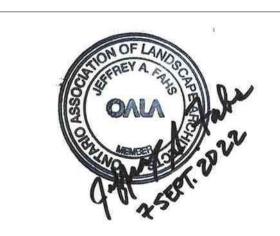
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 2021-09-22
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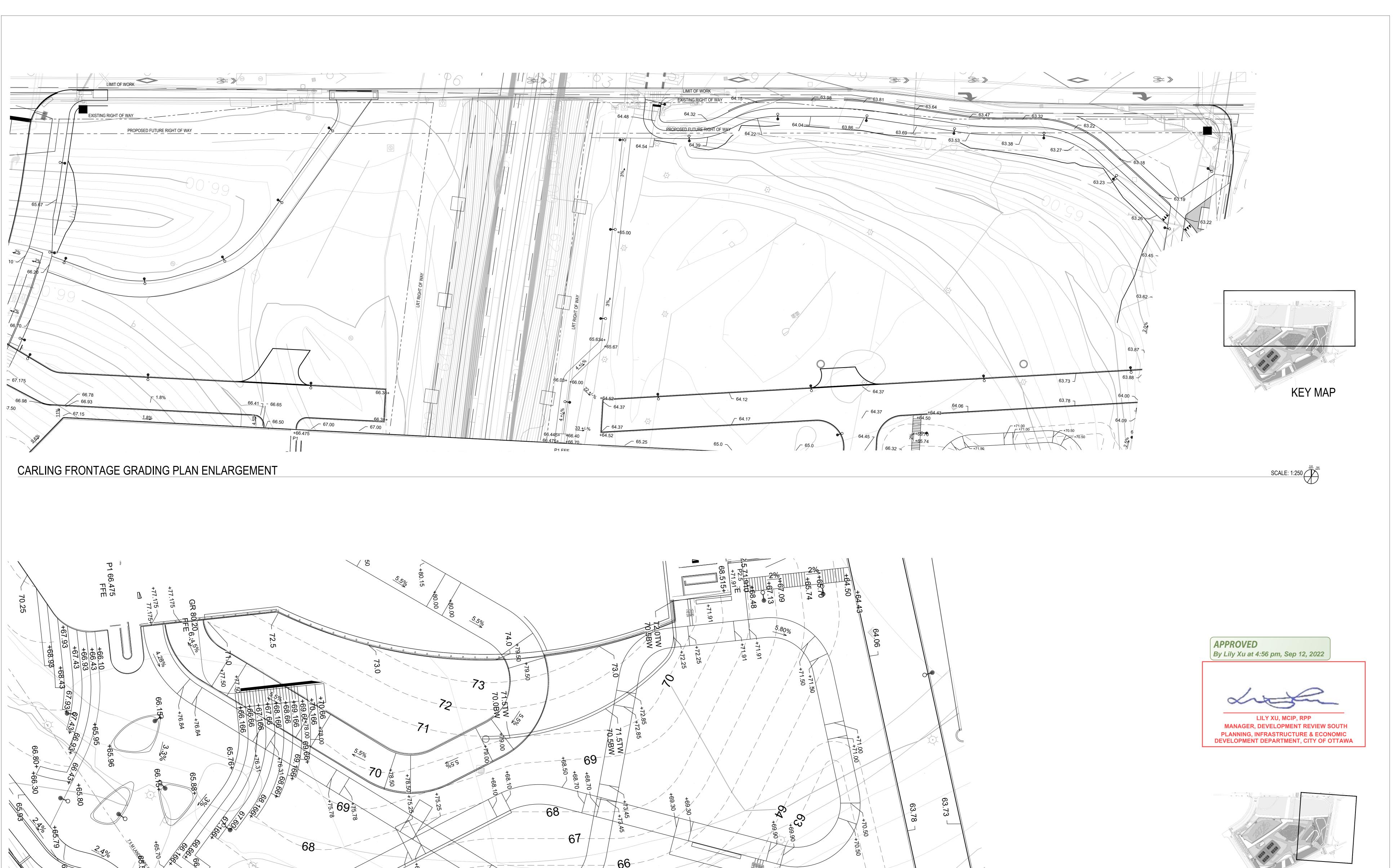
GROUND PLANE GRADING PLAN

Sheet Number

LG-101

100 METERS

0 METERS



PRESTON AVE GRADING PLAN ENLARGEMENT

HDR Architecture Associates Inc. 300 Richmond Road, Suite 200 Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUV
CAMP
DE L'HÔPIT

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Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
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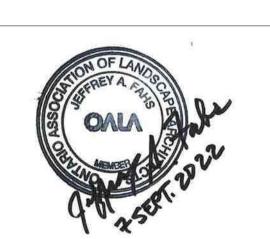
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roject Number 10305

KEY MAP

SCALE: 1:150 ROAM

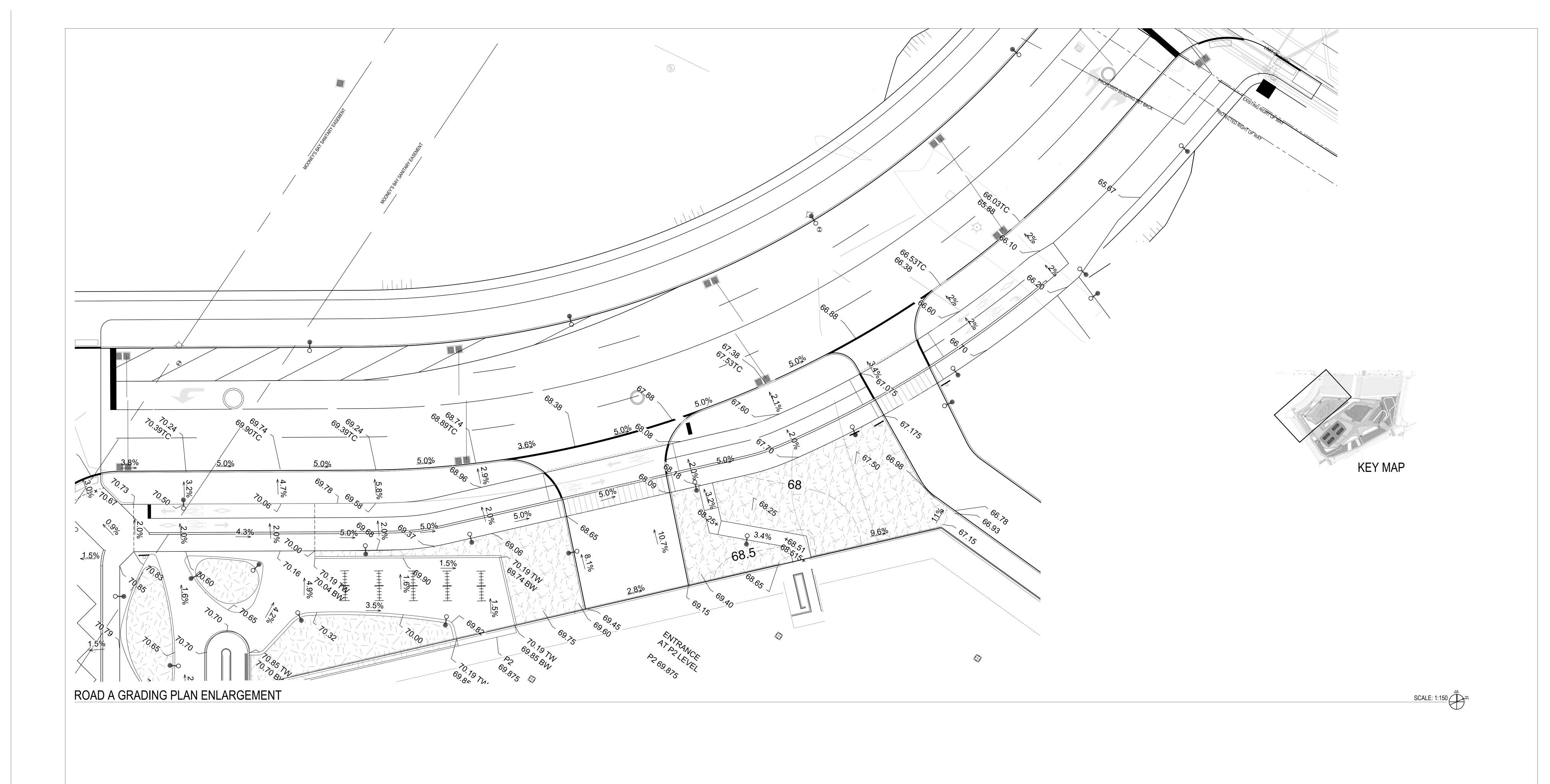
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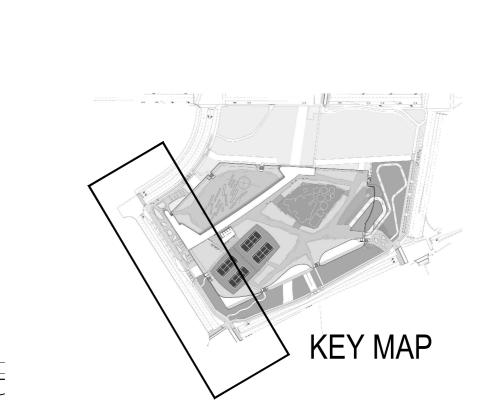


PUBLIC REALM GROUND
PLANE GRADING PLAN
ENLARGEMENTS

Sheet Number

LG-102







SCALE: 1:200



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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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Equipment Planner
Wayfinding
Project Mallo
Jason-Emery
Project Architect
Civil Engineer
LEA Engineer
Smith + Ander
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Wayfinding

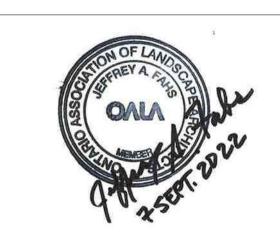
Robert Mallo
Jason-Emery
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Civil Engineer
Scivil Engineer
LEA Engineer
Smith + Ander
Smith + An

Sheet Reviewer Author

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09	2022-04-25	ISSUED FOR NCC REVIEW
08	2022-04-04	ISSUED FOR CM PRICING
07	2022-02-28	ISSUED FOR SPC RESUBMISSION
06	2022-02-28	ISSUED FOR 100% TOH DESIGN REVI
05	2022-01-19	ISSUED FOR 75% DESIGN REVIEW
04	2022-01-14	ISSUED FOR SPC RESUBMISSION
03	2021-09-22	ISSUED FOR SPC SUBMISSION
02	2021-09-03	ISSUED 30% CD
01	2021-06-18	ISSUED FOR SD SUBMISSION

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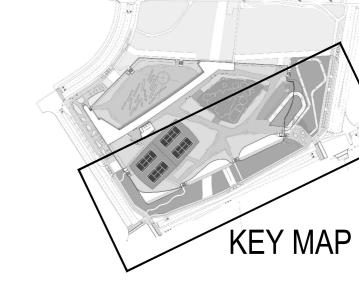
PUBLIC REALM GROUND
PLANE GRADING PLAN
ENLARGEMENTS

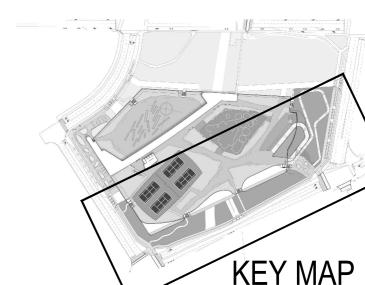
LG-103

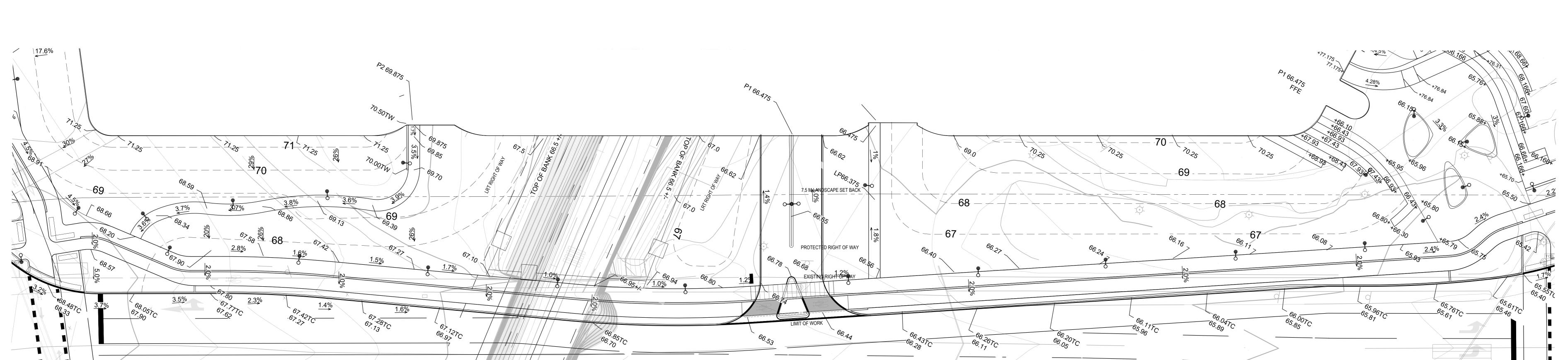
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ROAD B GRADING PLAN ENLARGEMENT







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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager Project Designer Project Architect Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Wayfinding

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2022-06-03 ISSUED FOR SPC APPROVAL 2022-04-25 ISSUED FOR NCC REVIEW 2022-04-04 ISSUED FOR CM PRICING 2022-02-28 ISSUED FOR SPC RESUBMISSION 2022-02-28 ISSUED FOR 100% TOH DESIGN REVIEW 2022-01-19 ISSUED FOR 75% DESIGN REVIEW 2022-01-14 ISSUED FOR SPC RESUBMISSION

Equipment Planner

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PUBLIC REALM GROUND PLANE GRADING PLAN **ENLARGEMENTS**

LG-104

Progress Submission

APPROVED
By Lily Xu at 4:56 pm, Sep 12, 2022 LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

PRINCE OF WALES GRADING PLAN ENLARGEMENT



The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

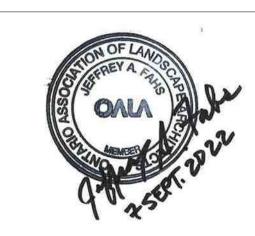


Project Manager Project Designer Project Architect Landscape Architect Civil Engineer
Structural Engineer
Mechanical Engineer **Electrical Engineer** Plumbing Engineer Interior Designer Equipment Planner Wayfinding

Sheet Reviewer MARK DATE DESCRIPTION

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 02
 2021-09-03
 ISSUED 30% CD

 01
 2021-06-18
 ISSUED FOR SD SUBMISSION



APPROVED
By Lily Xu at 4:57 pm, Sep 12, 2022

LILY XU, MCIP, RPP MANAGER, DEVELOPMENT REVIEW SOUTH

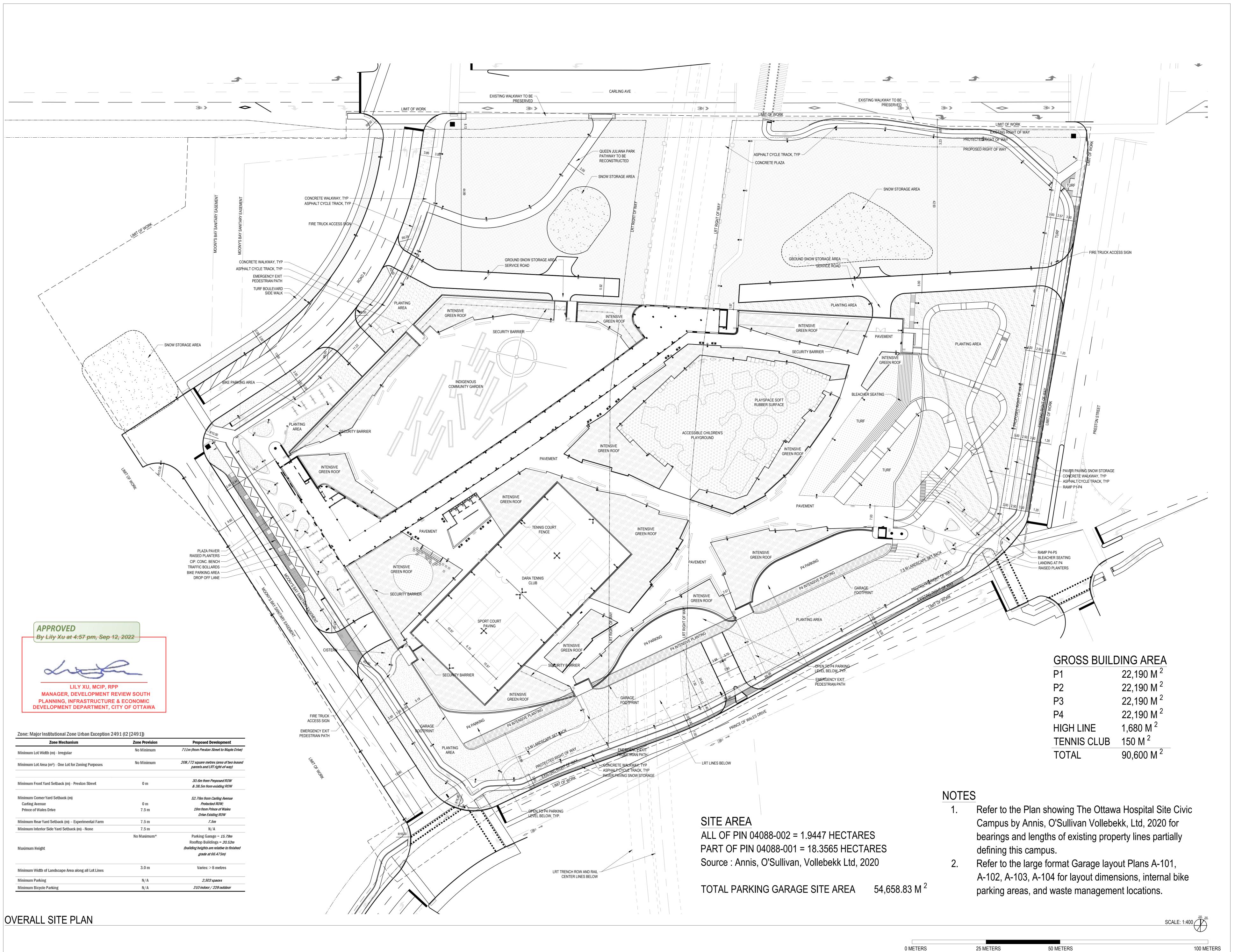
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

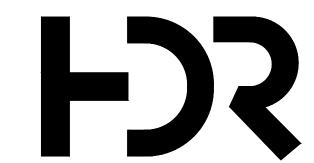
GREEN ROOF GRADING PLAN

LG-201

Progress Submission

GREEN ROOF GRADING PLAN







The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager	Robert Malloy
Project Designer	Jason-Emery Groe
Project Architect	Project Architect
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	LEA Engineering
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Equipment Planner
Wayfinding	HDR

RK DATE DESCRIPTION

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7	2022-02-28	ISSUED FOR SPC RESUBMISSION
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14	2022-01-14	ISSUED FOR SPC RESUBMISSION
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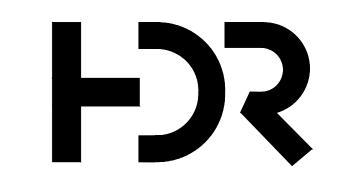
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OVERALL SITE PLAN

LL-101





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Groet
Project Architect
Jeff Fahs
Civil Engineer
LEA Engineering
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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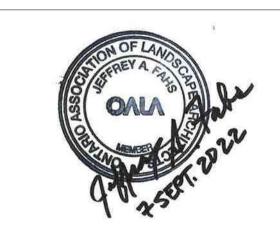
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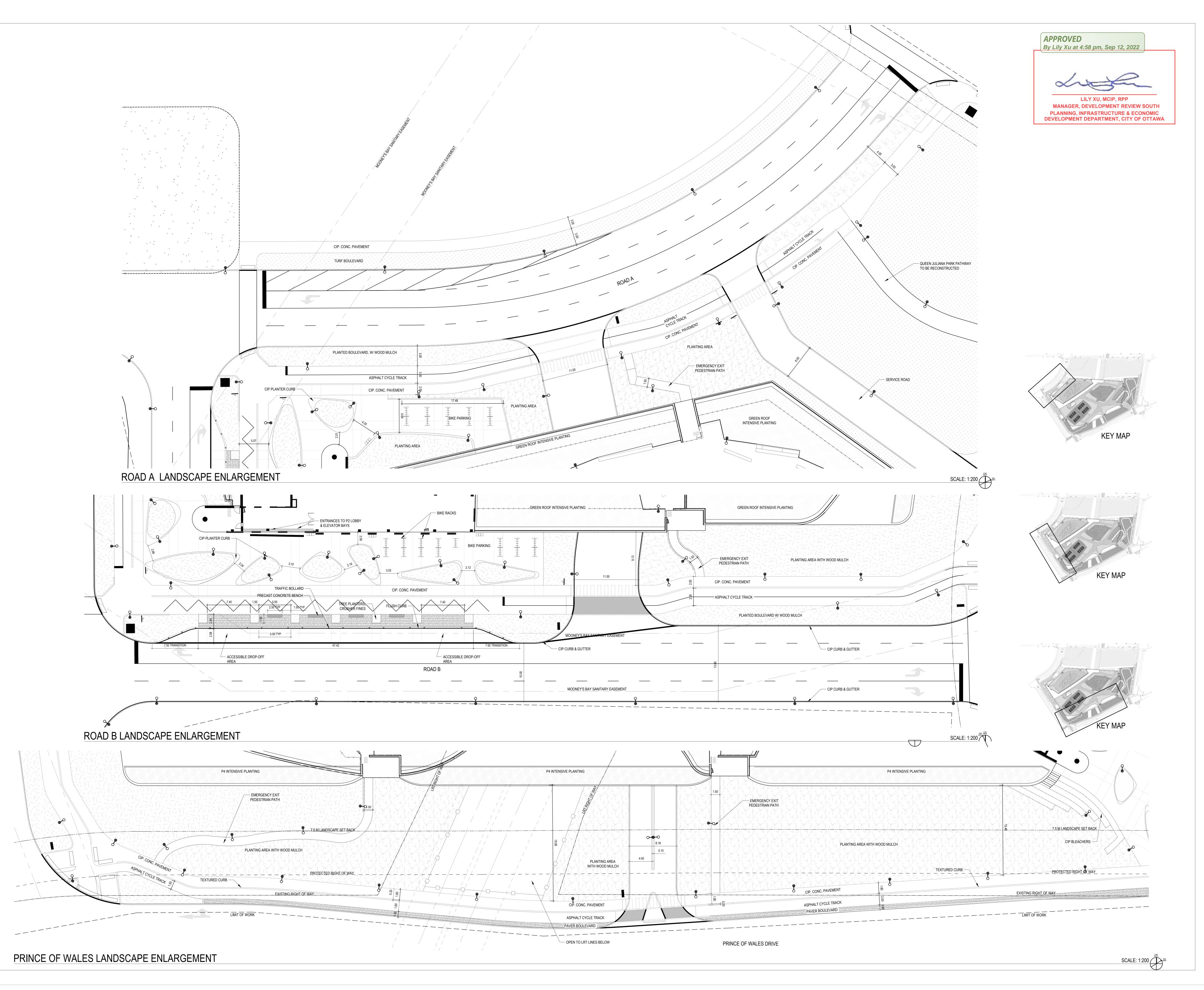
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Original Issue September

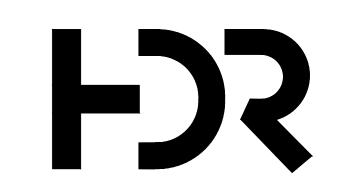


STREETSCAPE LANDSCAPE ENLARGEMENTS

Sheet Number

LL-102





The Ottawa Hospital
New Civic Development
Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

NEW CAMPUS
DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner

Robert Malloy
Jason-Emery Groet
Project Architect
Civil Engineer
LEA Engineer
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner

Wayfinding HDR

Sheet Reviewer Author

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2021-09-22 ISSUED FOR SPC SUBMISSION

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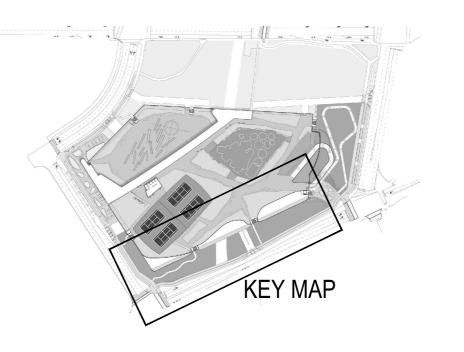
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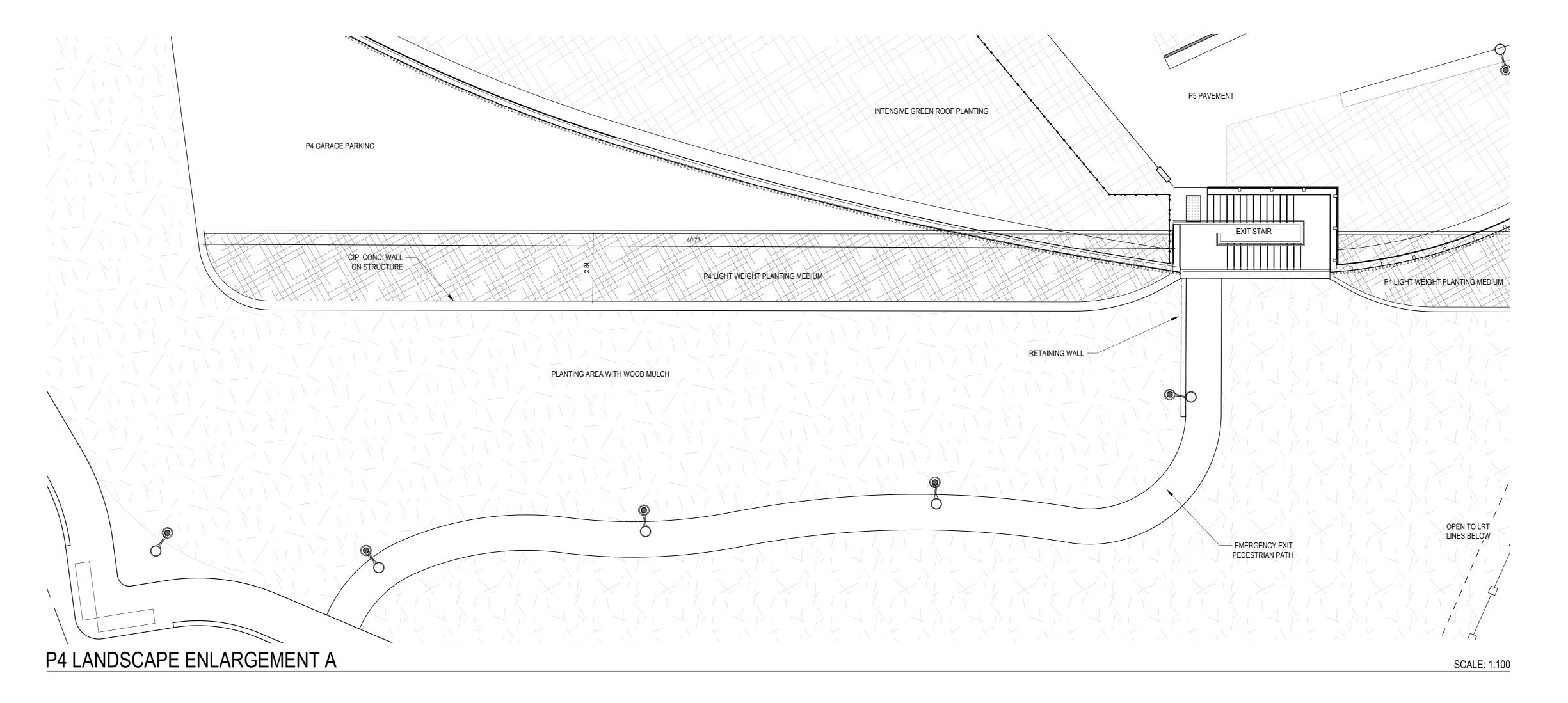


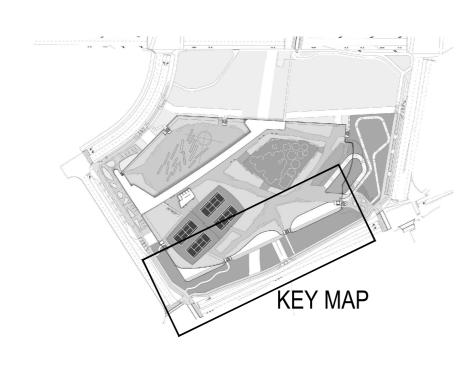
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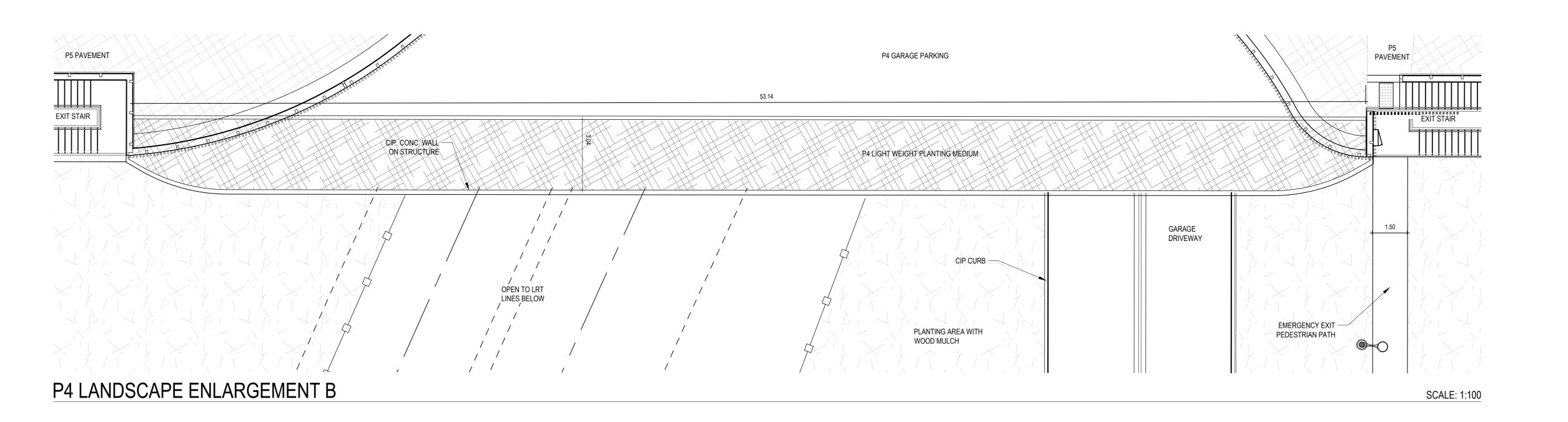
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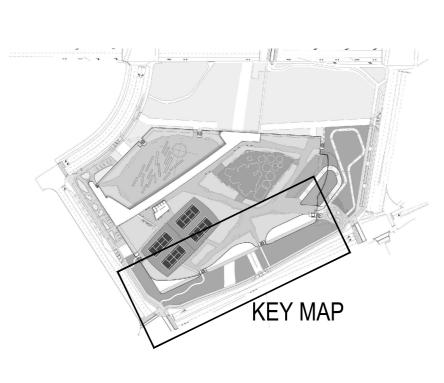
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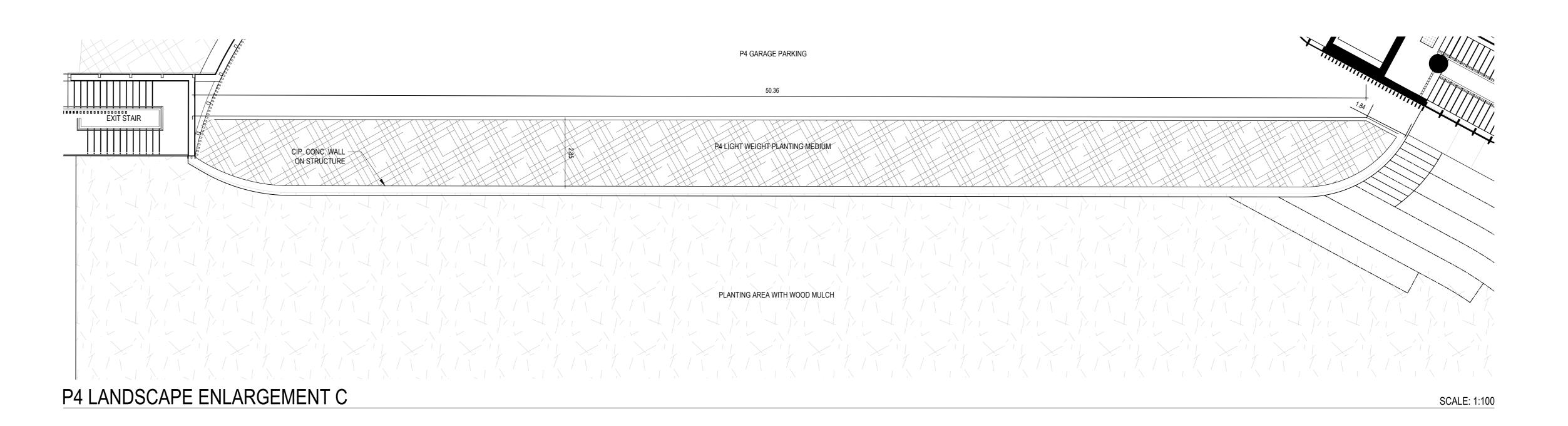
















The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Groen
Project Architect
Civil Engine Service Architect
Jeff Fahs
Civil Engineer
LEA Engineering
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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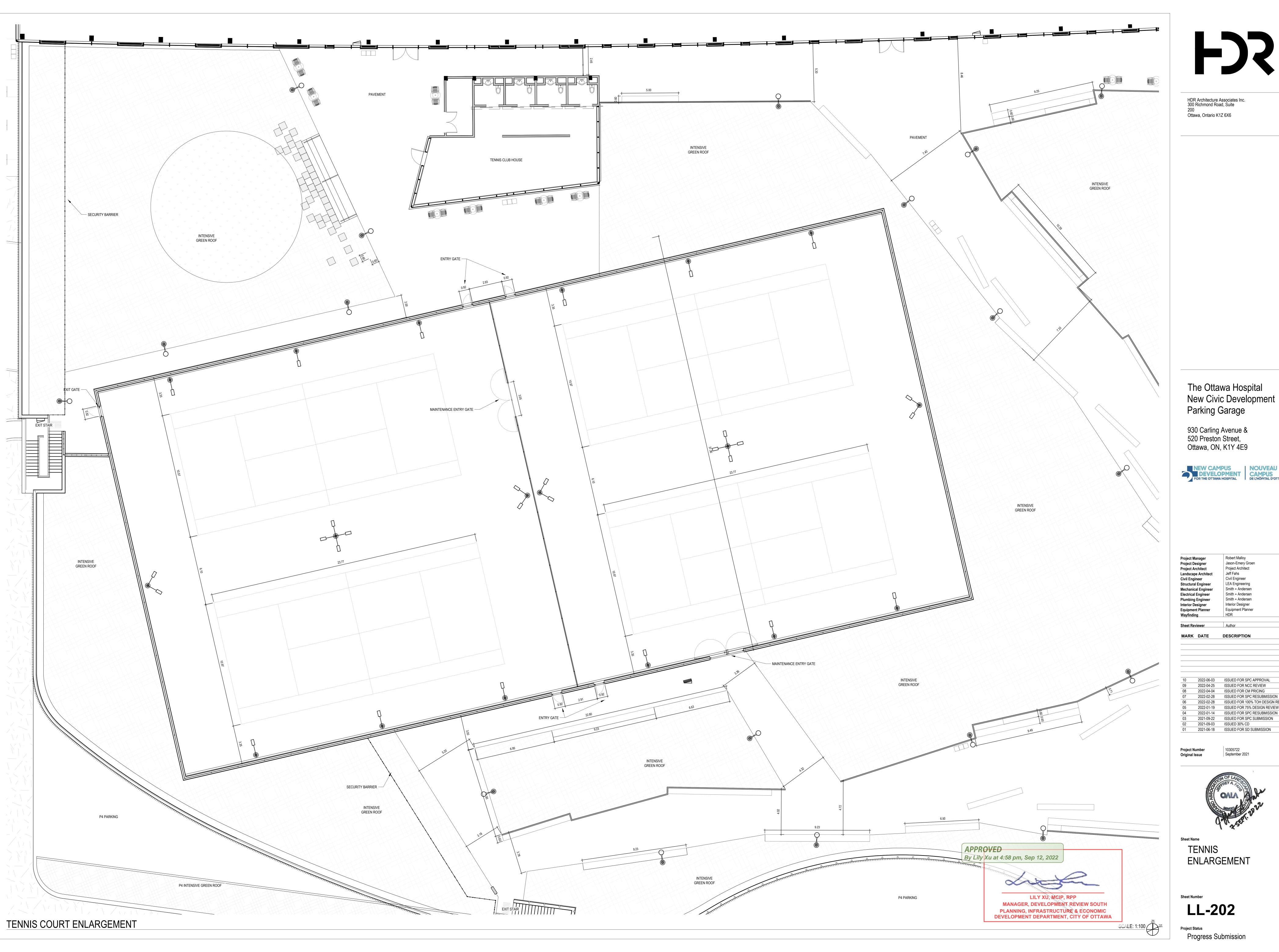
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P4 LANDSCAPE ENLARGEMENTS

Sheet Number

LL-201



HDR Architecture Associates Inc. 300 Richmond Road, Suite

The Ottawa Hospital New Civic Development Parking Garage

NEW CAMPUS
DEVELOPMENT
FOR THE OTTAWA HOSPITAL

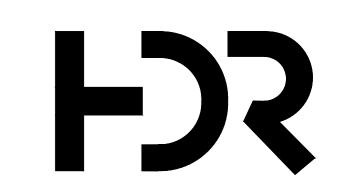
NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

2022-06-03 ISSUED FOR SPC APPROVAL 2022-04-25 ISSUED FOR NCC REVIEW
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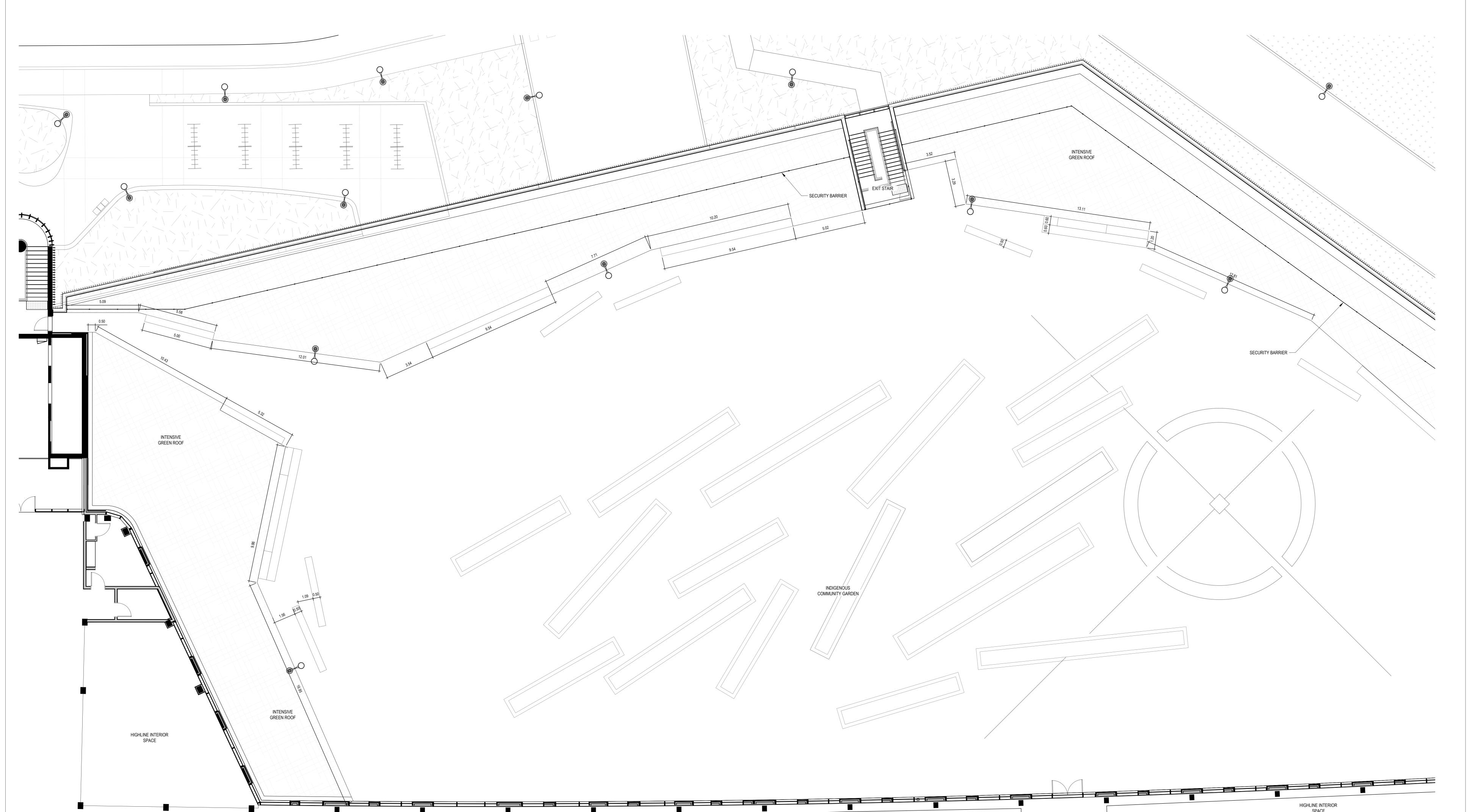
ENLARGEMENT





HDR Architecture Associates Inc. 300 Richmond Road, Suite 200

Ottawa, Ontario K1Z 6X6



INDIGENOUS COMMUNITY GARDEN ENLARGEMENT A

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Electrical Engineer
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Groe
Project Architect
Civil Engineet
Project Architect
Project Architect
Script Architect
LEA Engineer
LEA Engineer
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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 2021-06-18
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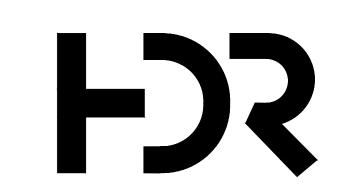


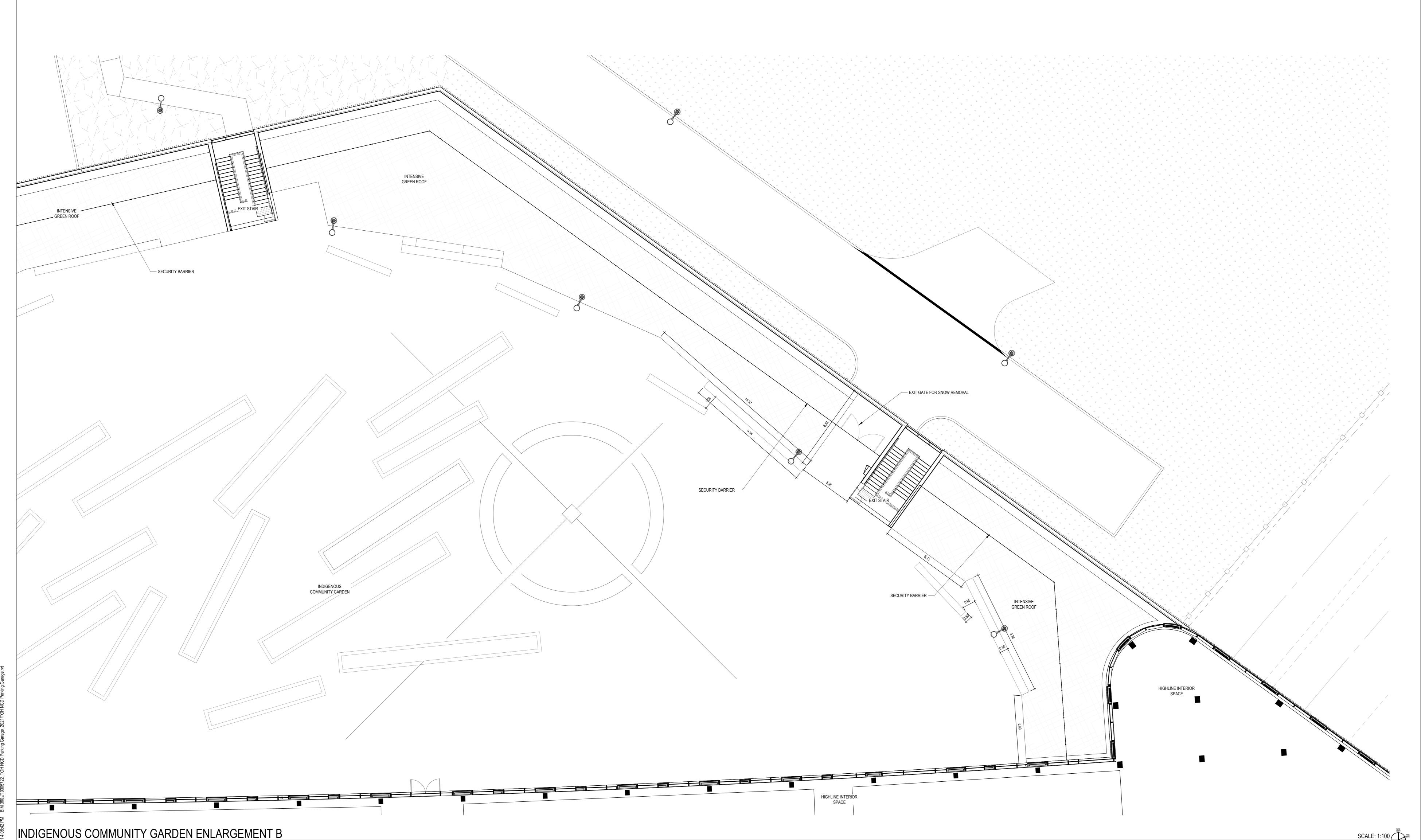
INDIGENOUS
GARDEN
ENLARGEMENT

Sheet Number

LL-203







The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Gro
Project Architect
Civil Engineer
Jeff Fahs
Civil Engineer
LEA Engineer
Smith + Anderse
Smith + Anderse
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Gro
Project Architect
Jeff Fahs
Civil Engineer
Smith + Anderse
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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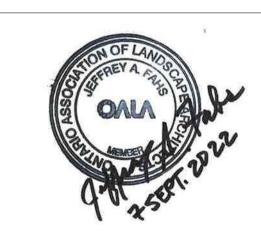
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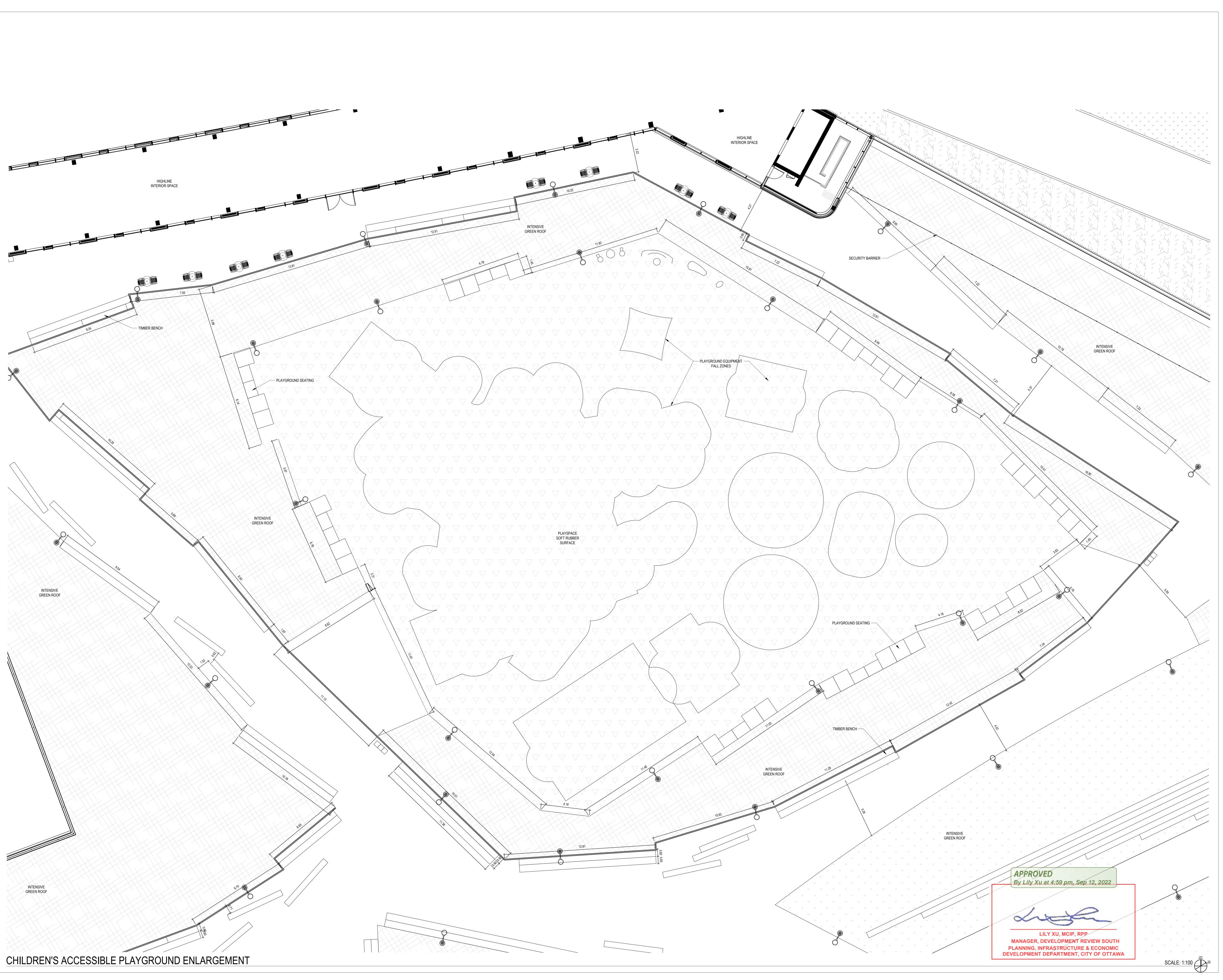
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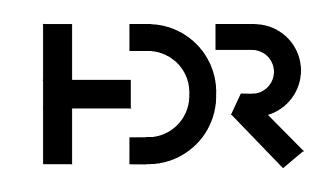


INDIGENOUS
GARDEN
ENLARGEMENT

Sheet Number

LL-204





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding
Project Malloy
Jason-Emery Groen
Project Architect
Jeff Fahs
Civil Engineer
LEA Engineering
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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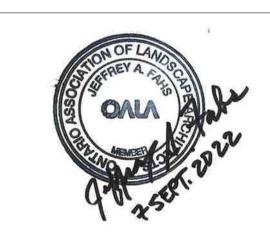
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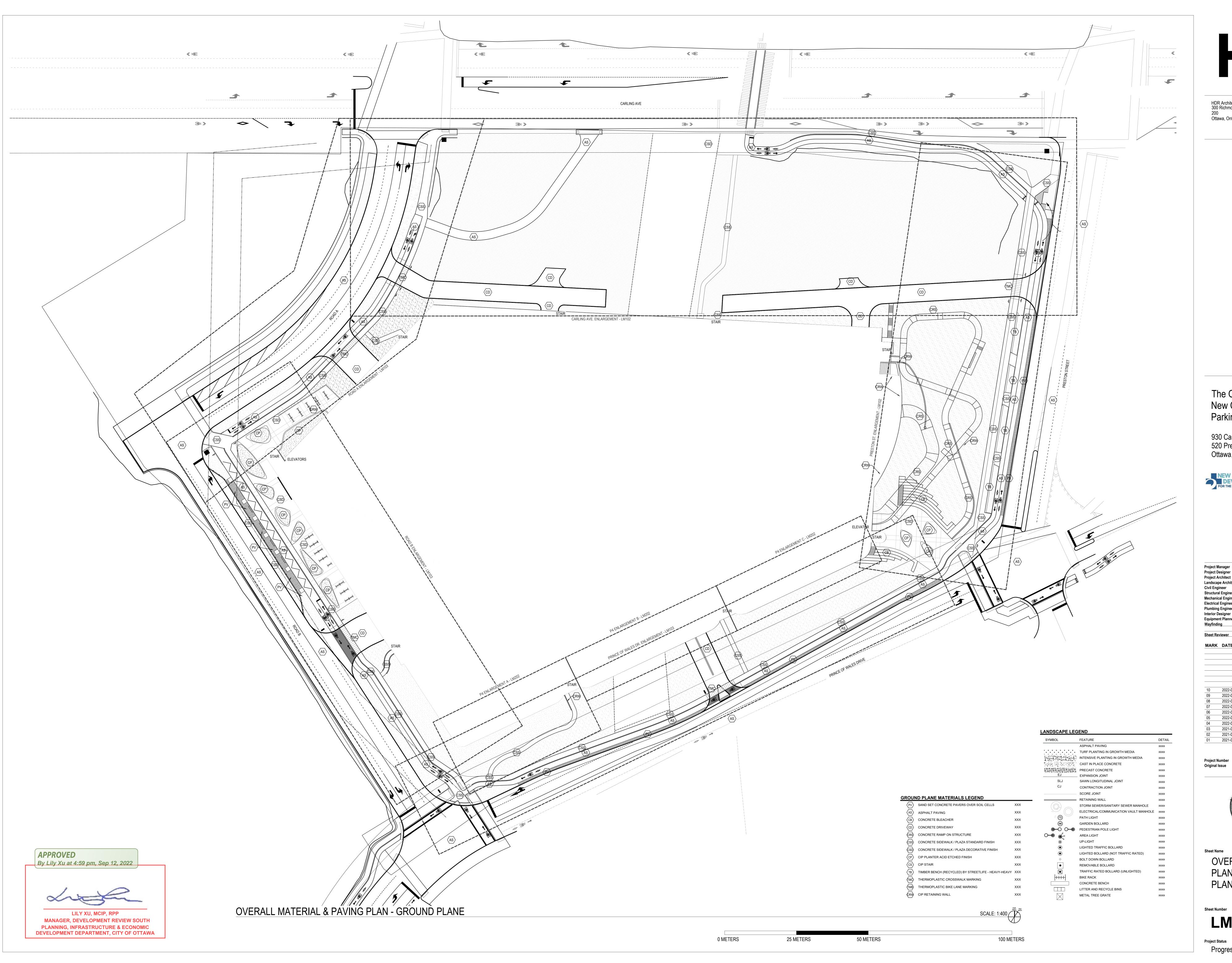


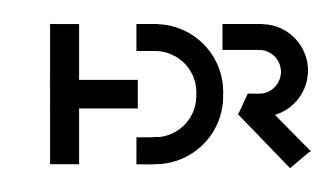
ACCESSIBLE
PLAYGROUND
ENLARGEMENT

Sheet Number

LL-205

Project Status





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Interior Designer
Equipment Planner
Wayfinding
Project Malloy
Jason-Emery G
Project Architect
Projec

Sheet Reviewer Author

MARK DATE DESCRIPTION

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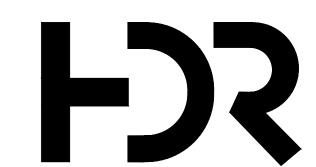


September 2021

OVERALL MATERIALS
PLAN GROUND
PLANE

Sheet Number

LM-101



The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

NEW CAMPUS
DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Groet
Project Architect
Civil Engineer
LEA Engineer
LEA Engineering
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

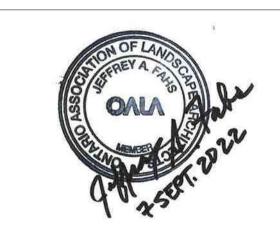
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September 2021

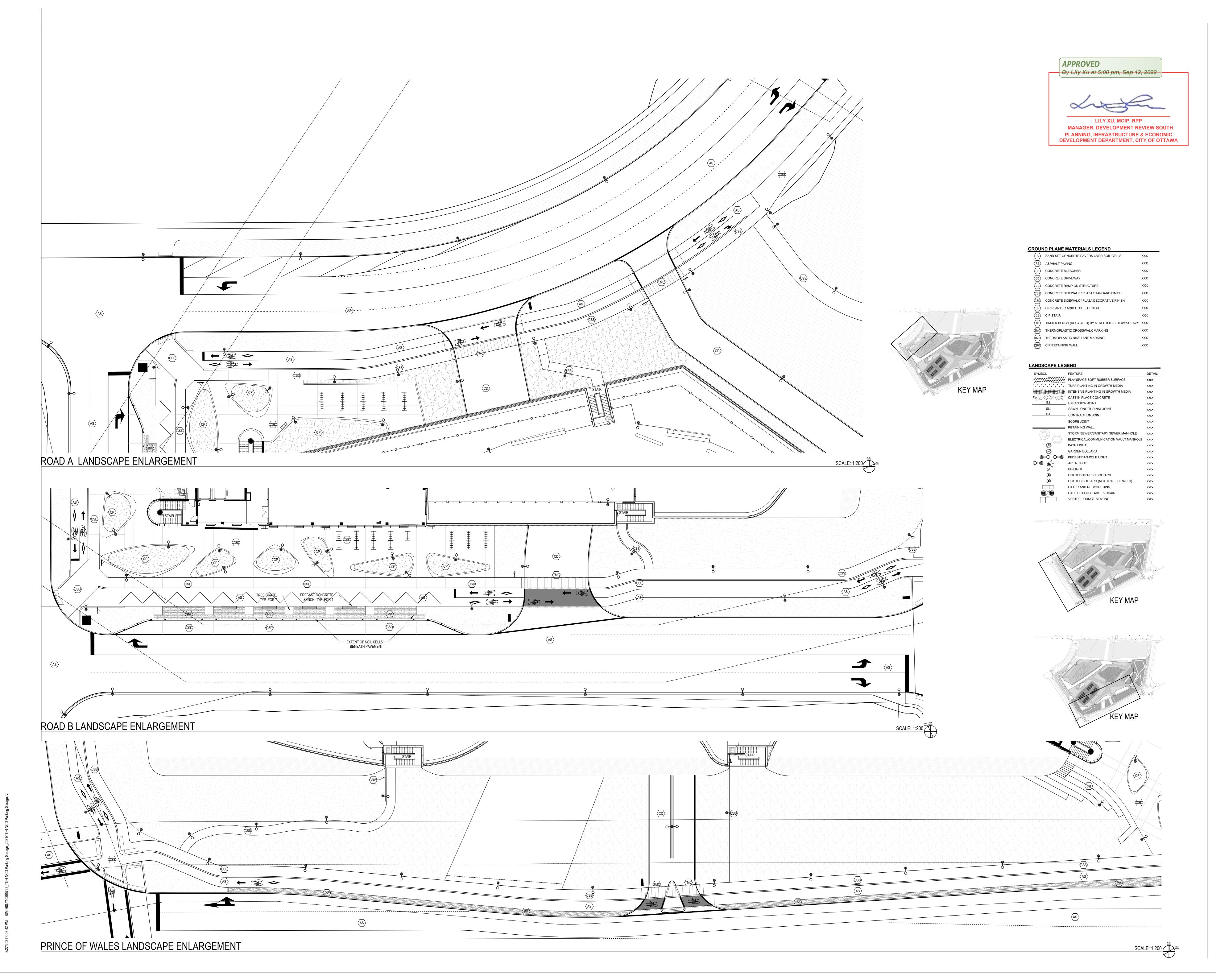
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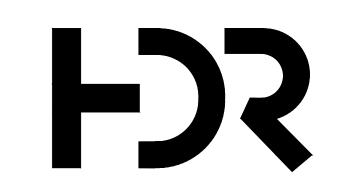


STREETSCAPE
MATERIALS
ENLARGEMENTS

Sheet Number

LM-102





HDR Architecture Associates Inc. 300 Richmond Road, Suite 200

Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer

Robert Malloy
Jason-Emery Groe
Project Architect
Jeff Fahs
Civil Engineer
LEA Engineering
Smith + Andersen
Smith + Andersen
Interior Designer
Interior Designer

Sheet Reviewer Author

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Wayfinding

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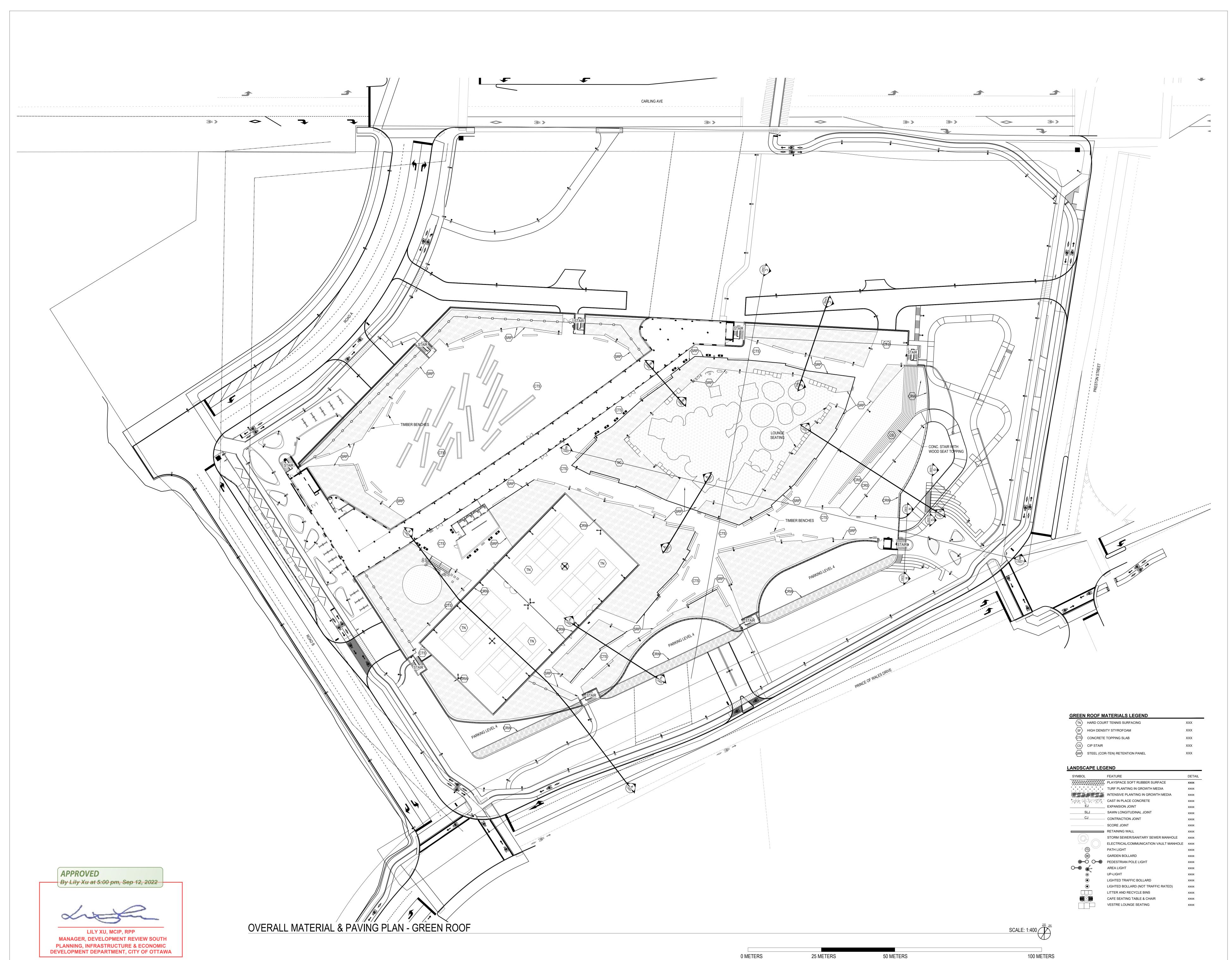
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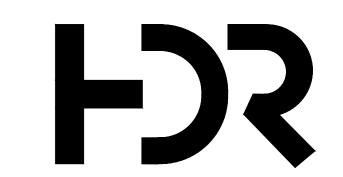


STREETSCAPE MATERIALS ENLARGEMENTS

Sheet Number

LM-103







The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery G
Project Architect
Civil Engineer
Jeff Fahs
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LEA Engineering
Smith + Anderse
Smith + Anderse
Interior Designer
Equipment Planner

Sheet Reviewer Author

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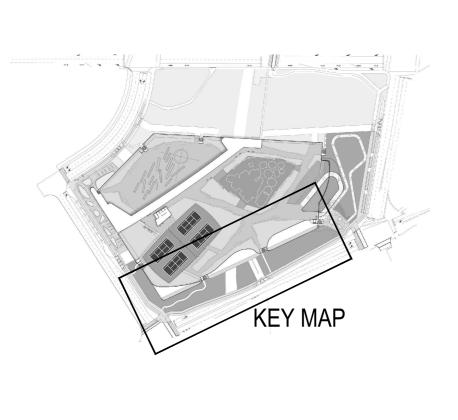
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Original Issue September

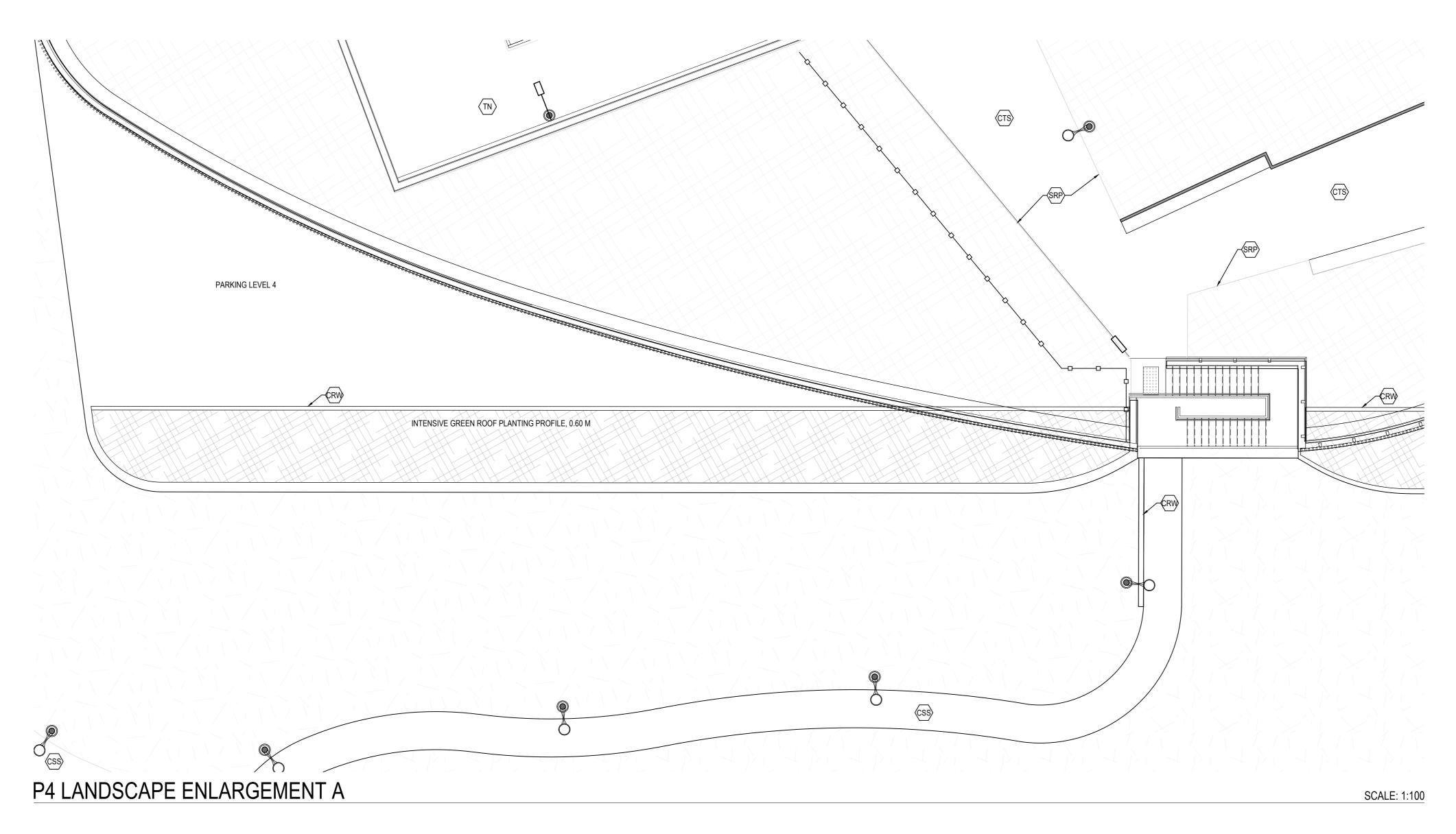


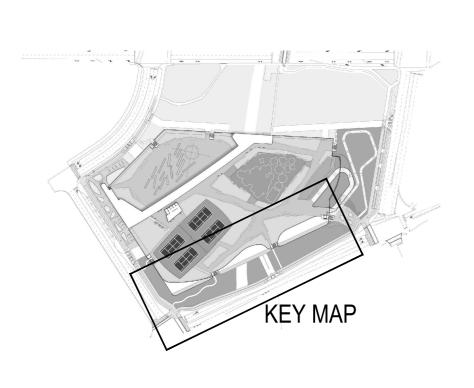
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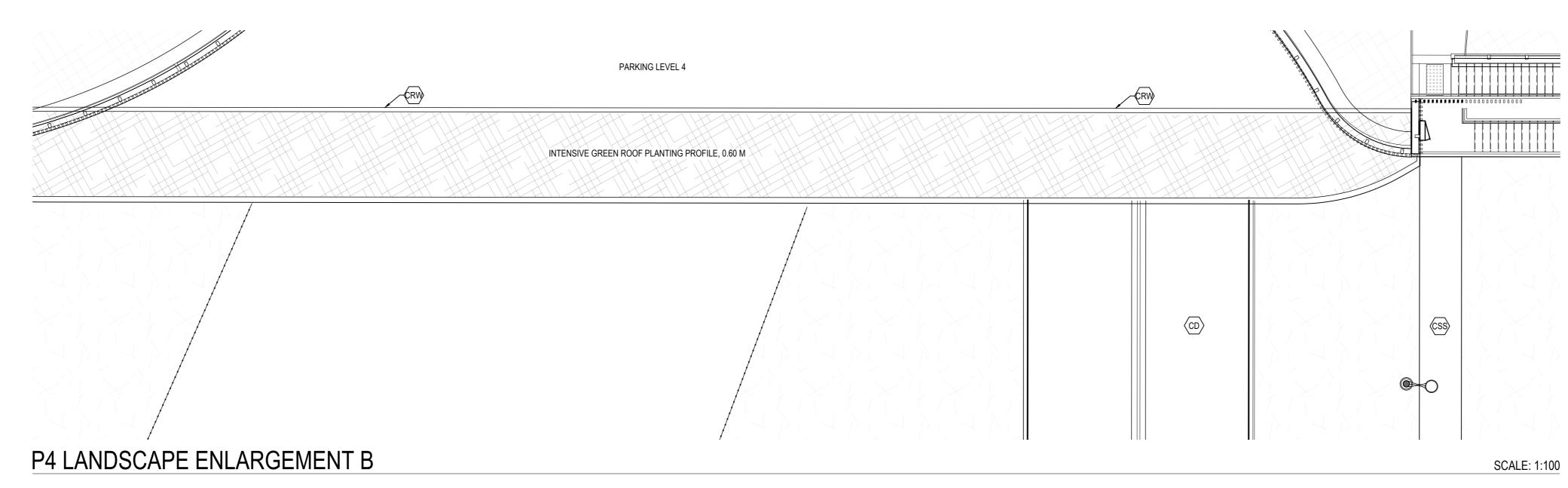
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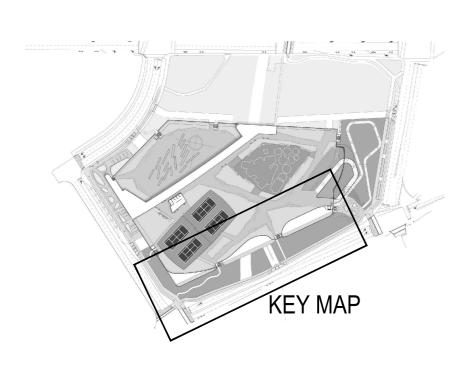
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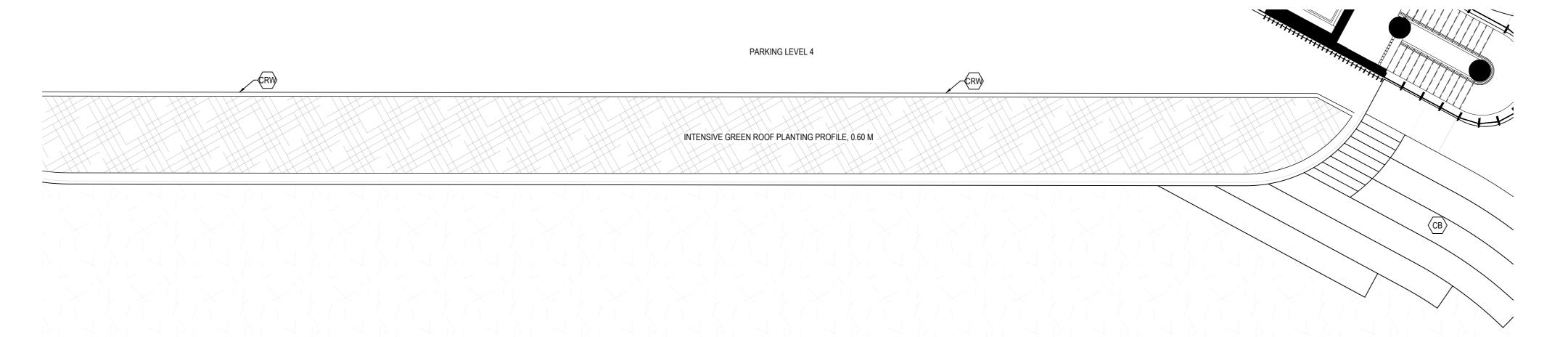












APPROVED
By Lily Xu at 5:01 pm, Sep 12, 2022

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH

PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

P4 LANDSCAPE ENLARGEMENT C



HDR Architecture Associates Inc. 300 Richmond Road, Suite 200 Ottawa, Ontario K1Z 6X6

CIP PLANTER ACID ETCHED FINISH CIP STAIR TIMBER BENCH (RECYCLED) BY STREETLIFE - HEAVY-HEAVY XXX THERMOPLASTIC CROSSWALK MARKING THERMOPLASTIC BIKE LANE MARKING CRW CIP RETAINING WALL **GREEN ROOF MATERIALS LEGEND** TN HARD COURT TENNIS SURFACING SF HIGH DENSITY STYROFOAM (CTS) CONCRETE TOPPING SLAB CS CIP STAIR SRP STEEL (COR-TEN) RETENTION PANEL LANDSCAPE LEGEND FEATURE AAAAAAAAAAAAAAAAAAAAA PLAYSPACE SOFT RUBBER SURFACE TURF PLANTING IN GROWTH MEDIA INTENSIVE PLANTING IN GROWTH MEDIA CAST IN PLACE CONCRETE ____EJ EXPANSION JOINT _____SLJ____ SAWN LONGITUDINAL JOINT _____CJ CONTRACTION JOINT SCORE JOINT RETAINING WALL STORM SEWER/SANITARY SEWER MANHOLE XXXX ELECTRICAL/COMMUNICATION VAULT MANHOLE XXXX PATH LIGHT GARDEN BOLLARD PEDESTRIAN POLE LIGHT LIGHTED TRAFFIC BOLLARD

LIGHTED BOLLARD (NOT TRAFFIC RATED)

LITTER AND RECYCLE BINS
CAFE SEATING TABLE & CHAIR
VESTRE LOUNGE SEATING

GROUND PLANE MATERIALS LEGEND

CONCRETE RAMP ON STRUCTURE

ASPHALT PAVING

CONCRETE BLEACHER
CONCRETE DRIVEWAY

PV SAND SET CONCRETE PAVERS OVER SOIL CELLS

CONCRETE SIDEWALK / PLAZA STANDARD FINISH

CONCRETE SIDEWALK / PLAZA DECORATIVE FINISH

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding
Project Malloy
Jason-Emery Groen
Project Architect
Project Architect
Seff Fahs
Civil Engineer
LEA Engineer
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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 10
 2022-06-03
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 2022-04-25
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 06
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 ISSUED FOR 100% TOH DESIGN REVIEW

 05
 2022-01-19
 ISSUED FOR 75% DESIGN REVIEW

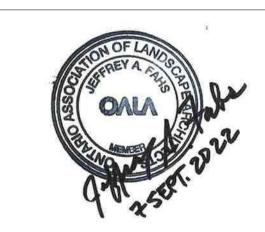
 04
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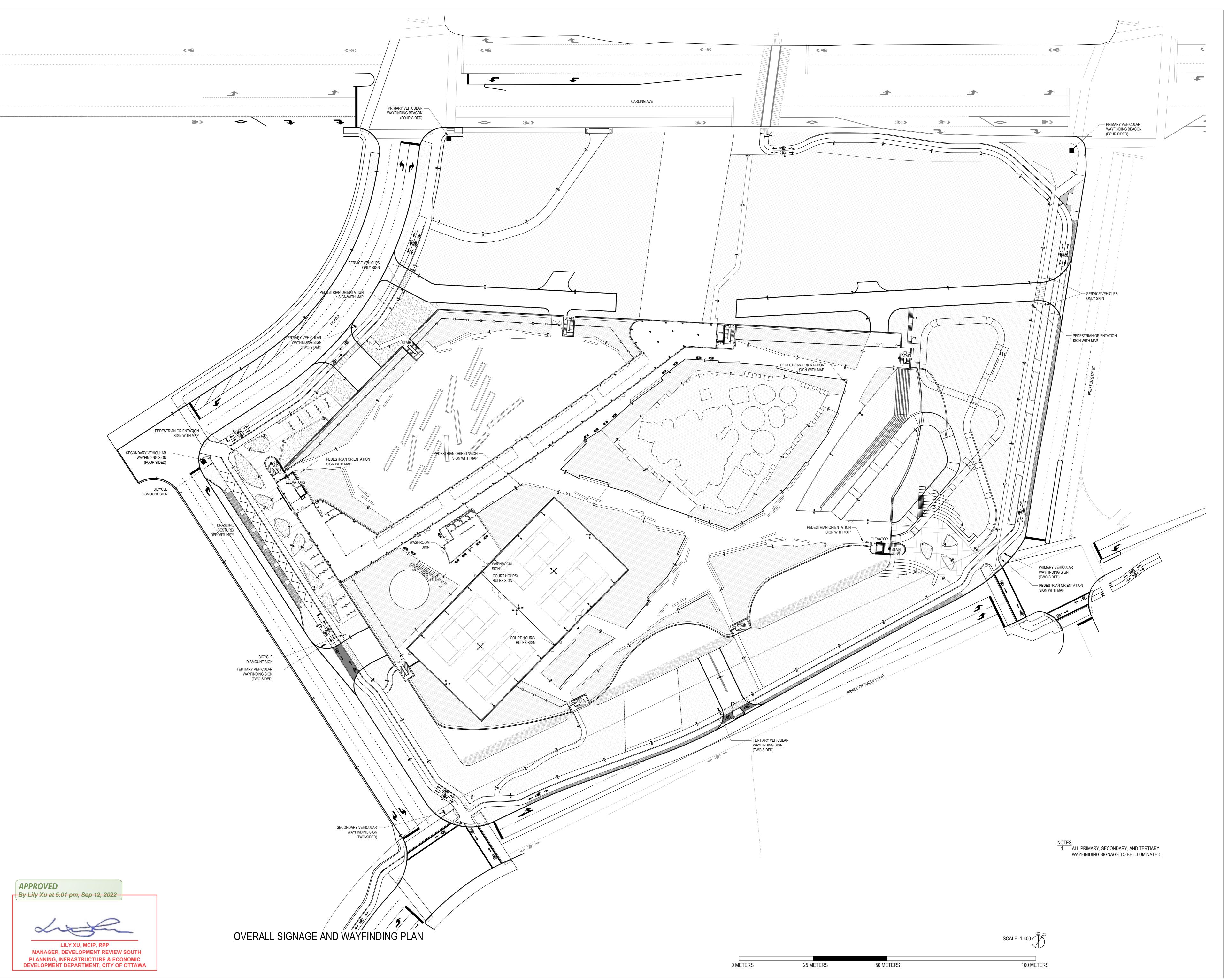
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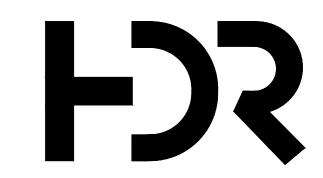


P4 MATERIALS ENLARGEMENTS

Sheet Number

LM-202





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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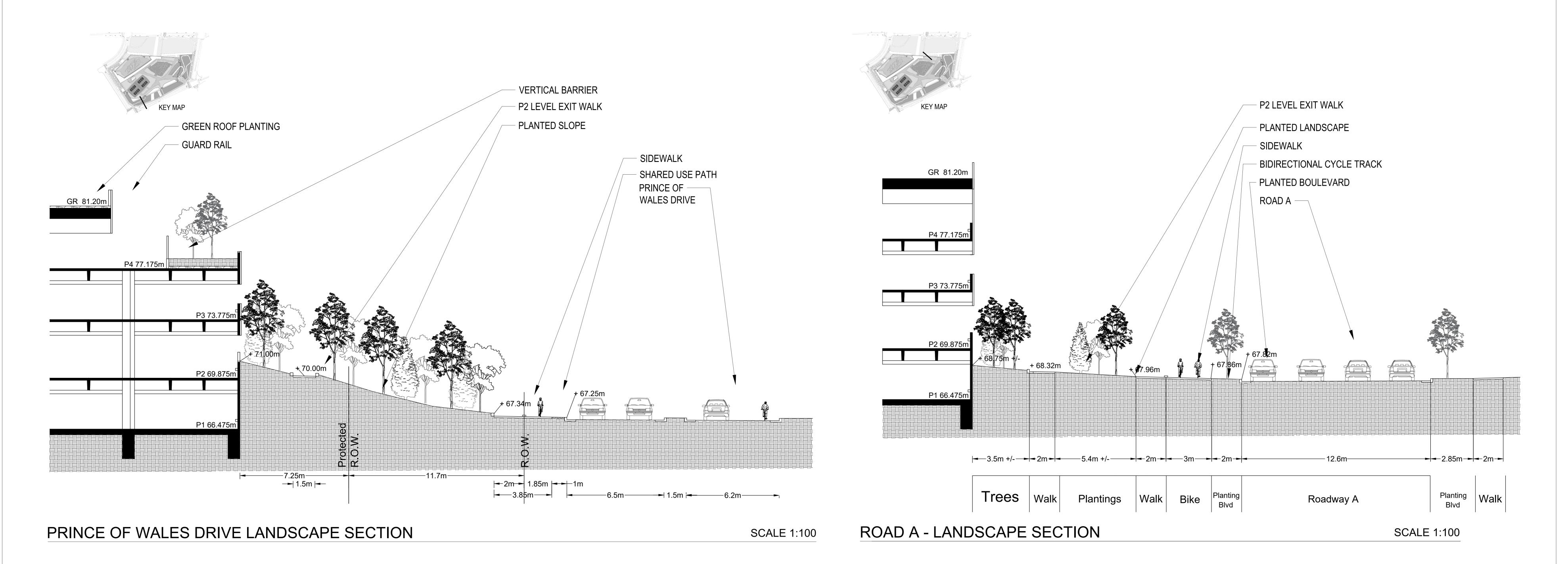
Project Number 10305722
Original Issue September

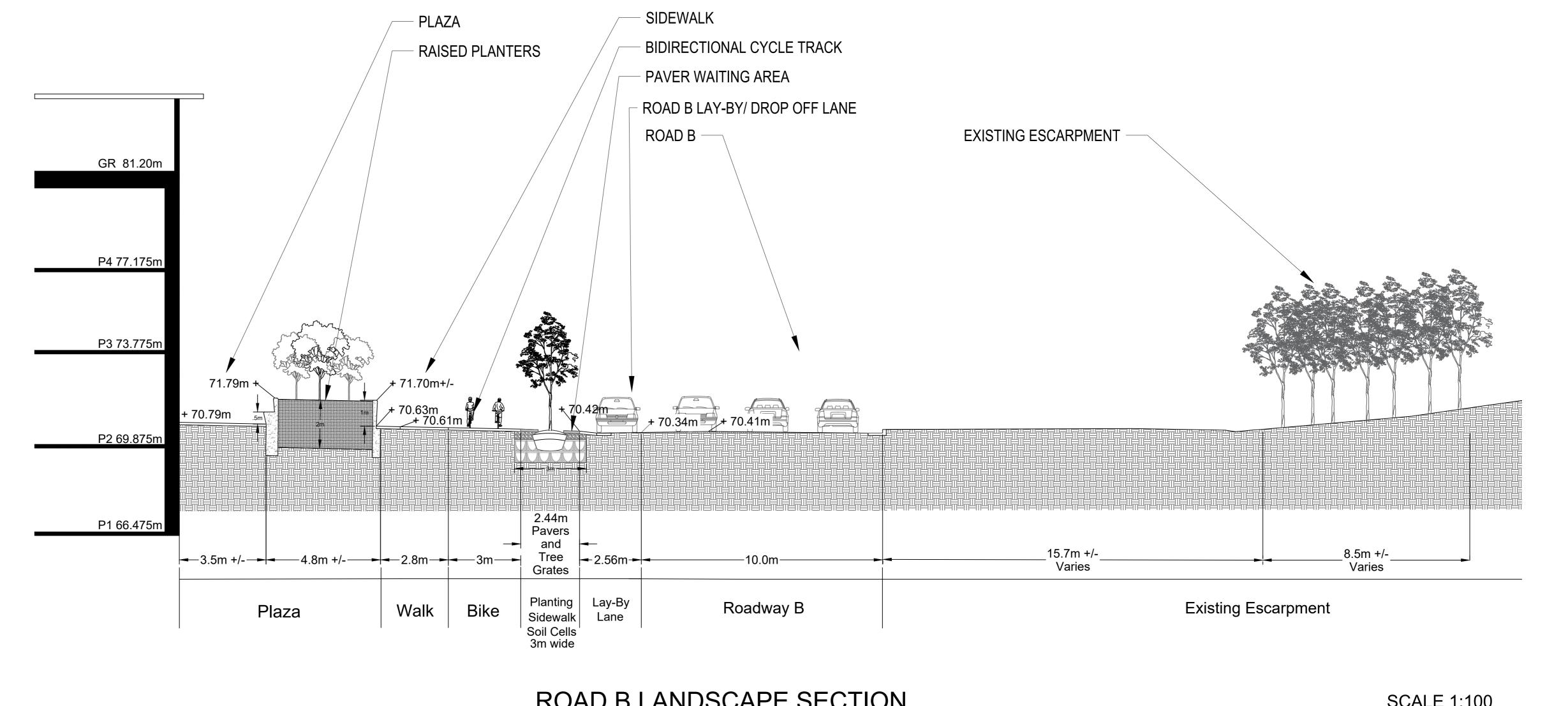


GROUND AND
GREEN ROOF
SIGNAGE PLAN

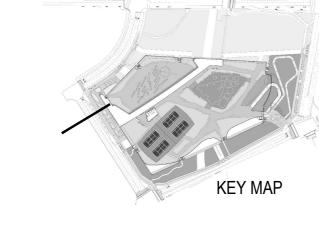
Sheet Number

LM-301









ROAD B LANDSCAPE SECTION

SCALE 1:100

HDR Architecture Associates Inc. 300 Richmond Road, Suite Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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STREET SECTIONS

LS-301

PRESTON PLAZA LANDSCAPE SECTION

14m | 3.8m | 2.4m | 1.4m | 3.8m | 2.4m | 1.4m | 2.60 | 3.8m | 2.4m | 1.4m | 2.4m | 2.4

PRESTON PLAZA LANDSCAPE SECTION

VEHICULAR / PEDESTRIAN

P2 LEVEL EXIT WALK

CONCRETE SITTING -

AREA / BLEACHERS

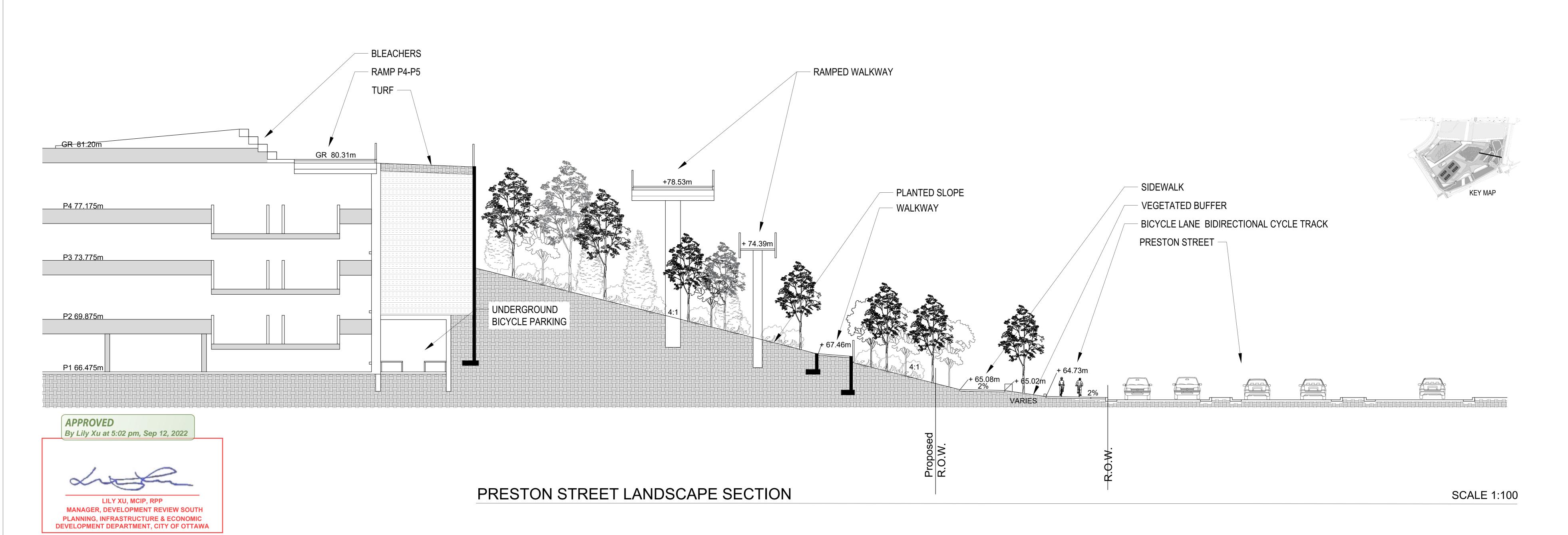
PLANTED SLOPE -

RAMP FROM P4 TO GREEN ROOF

SCALE 1:100

PRESTON PLAZA

520 Otta



SCALE 1:100

HDR Architecture Associates Inc. 300 Richmond Road, Suite 200 Ottawa, Ontario K1Z 6X6

> The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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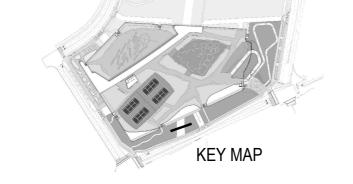
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nal Issue 10305722 September



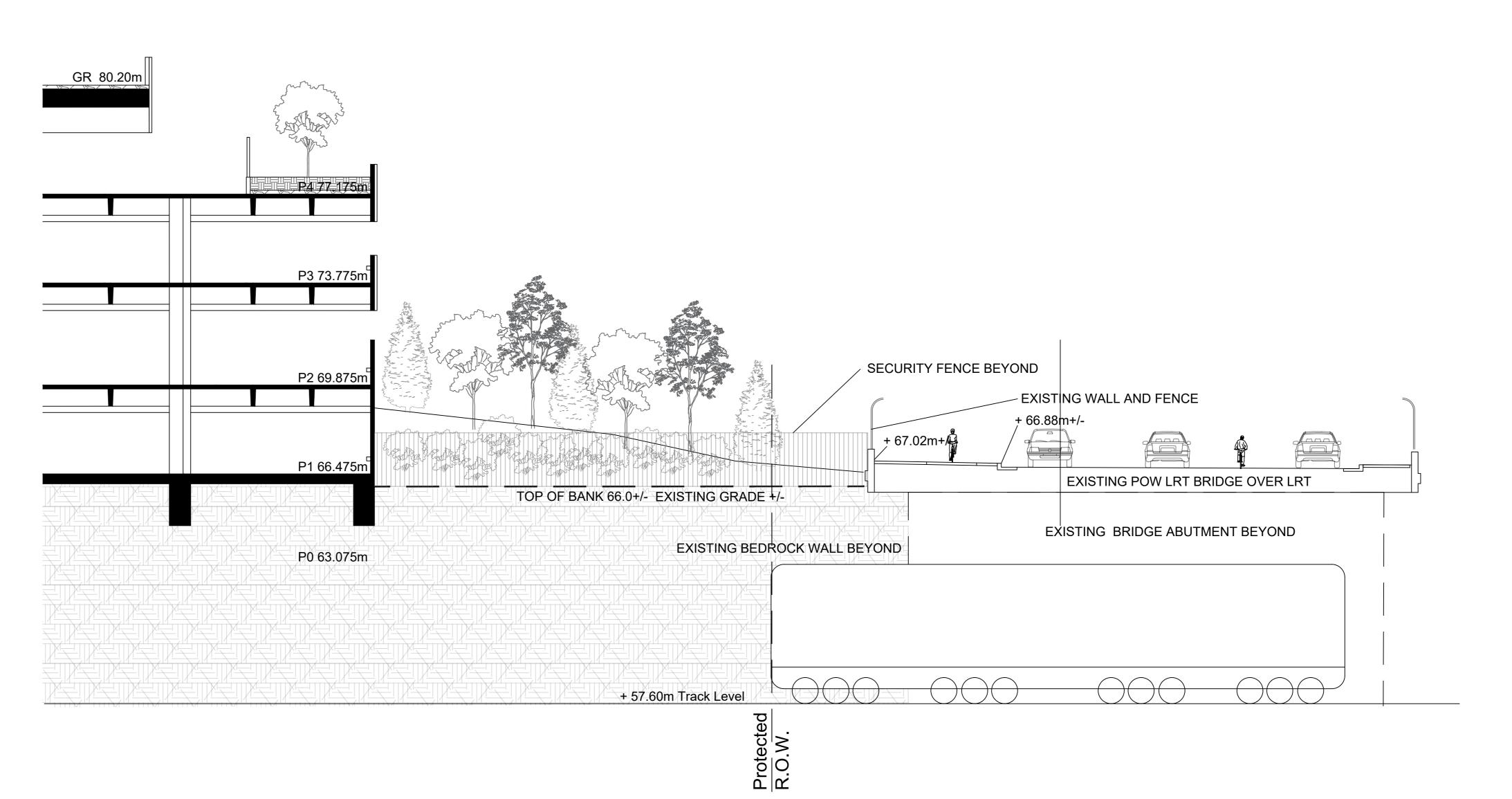
STREET SECTIONS

LS-302



LRT SECTION AT PRINCE OF WALES - LANDSCAPE SECTION

SCALE 1:100





MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC

DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

PRINCE OF WALES DRIVE - LRT LANDSCAPE SECTION

SCALE 1:100

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The Ottawa Hospital New Civic Development Parking Garage

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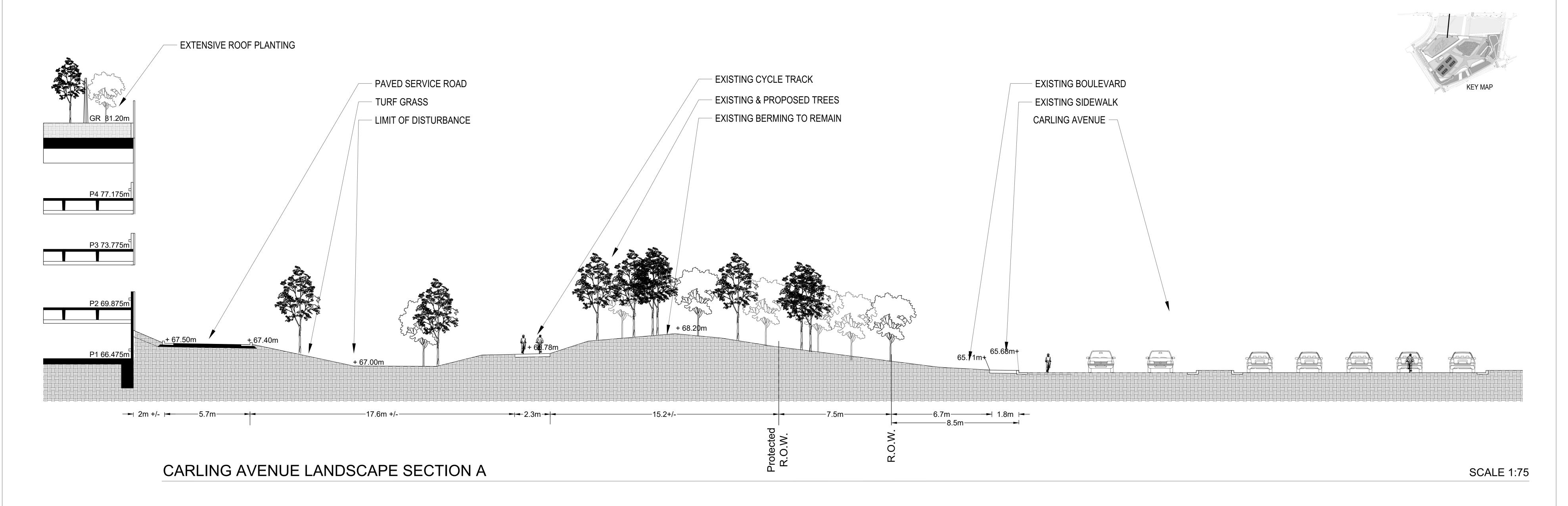
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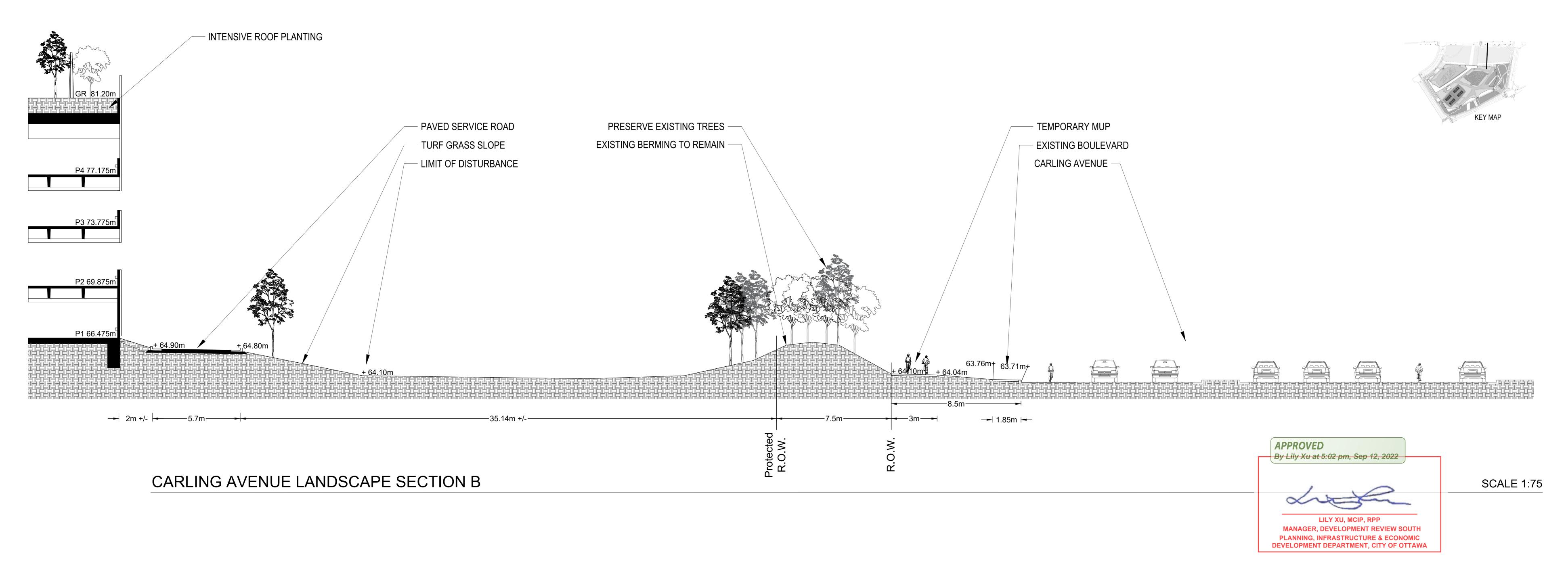
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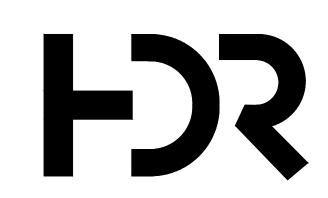


STREET SECTIONS

LS-303







The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Structural Engineer Interior Designer Equipment Planner

MARK DATE DESCRIPTION

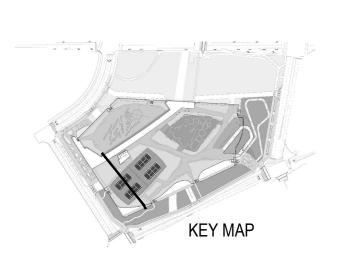
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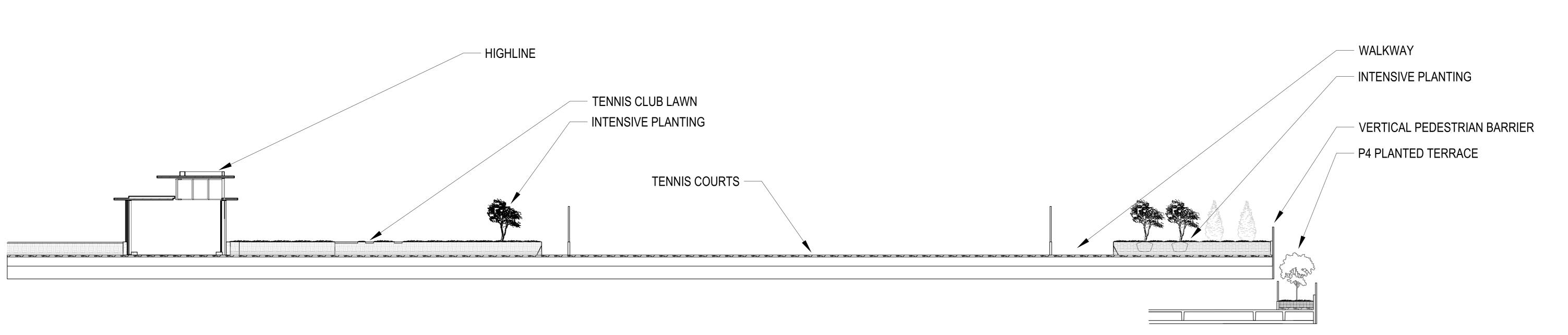


STREET SECTIONS

LS-304

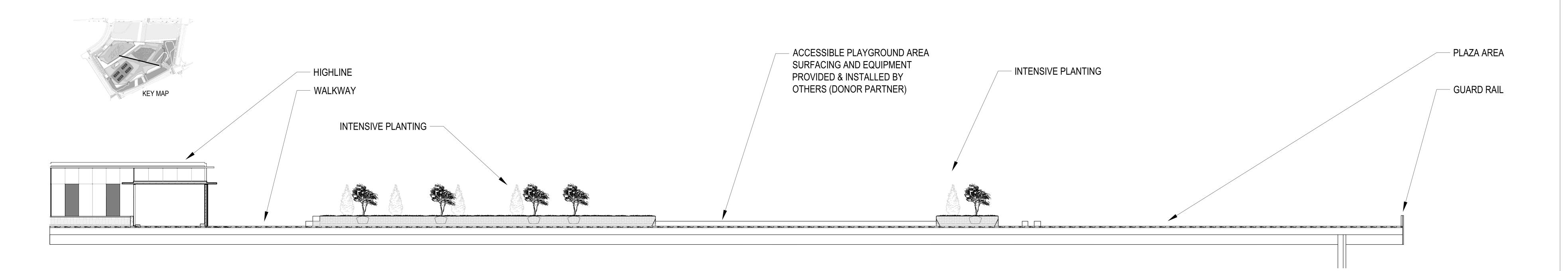
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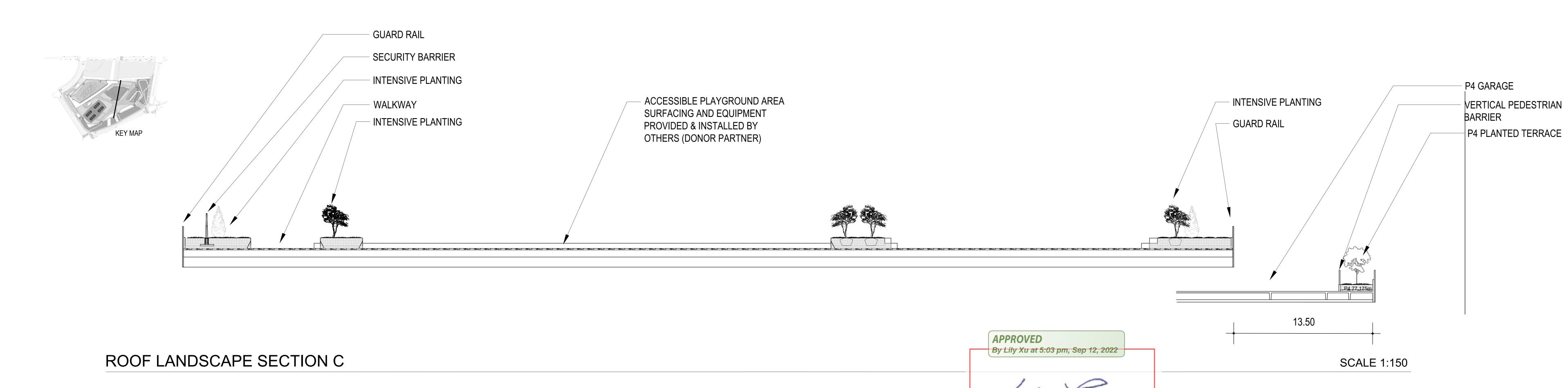


ROOF LANDSCAPE SECTION A

SCALE 1:150



ROOF LANDSCAPE SECTION B



MANAGER, DEVELOPMENT REVIEW SOUTH

PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

HDR Architecture Associates Inc. 300 Richmond Road, Suite 200 Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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Mechanical Engineer

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ect Number 10305722 September 2

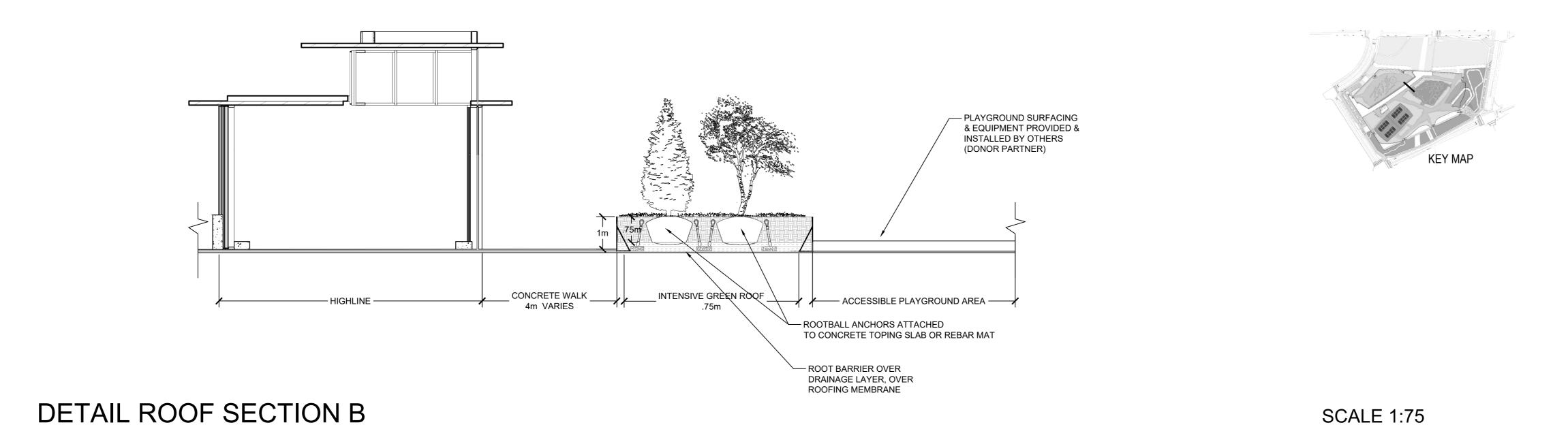


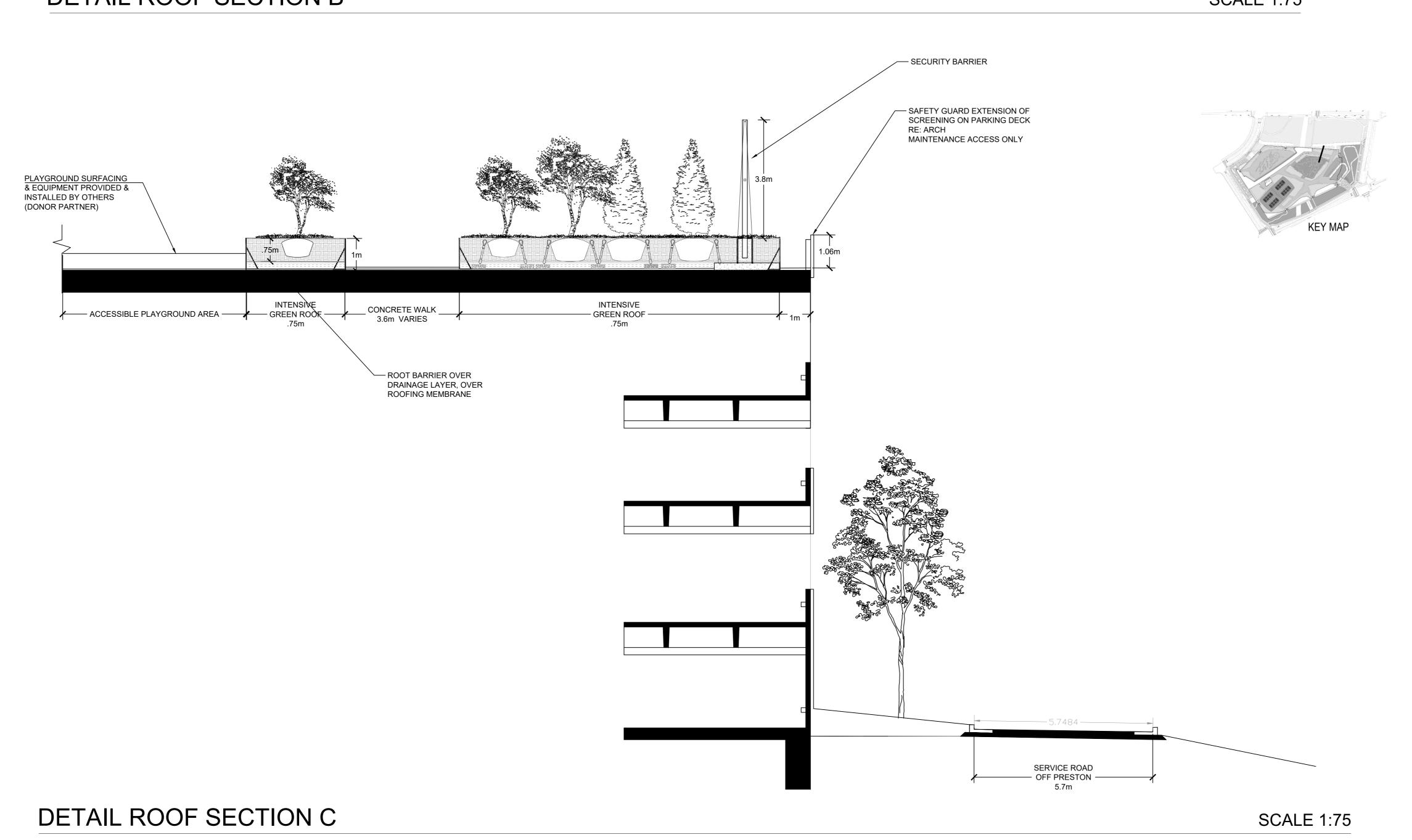
OVERALL ROOF
SECTIONS

Sheet Number
LS-401

DETAIL ROOF SECTION A

SCALE 1:75







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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Robert Malloy Jason-Emery Groen Project Architect Civil Engineer Structural Engineer

Interior Designer Equipment Planner Wayfinding

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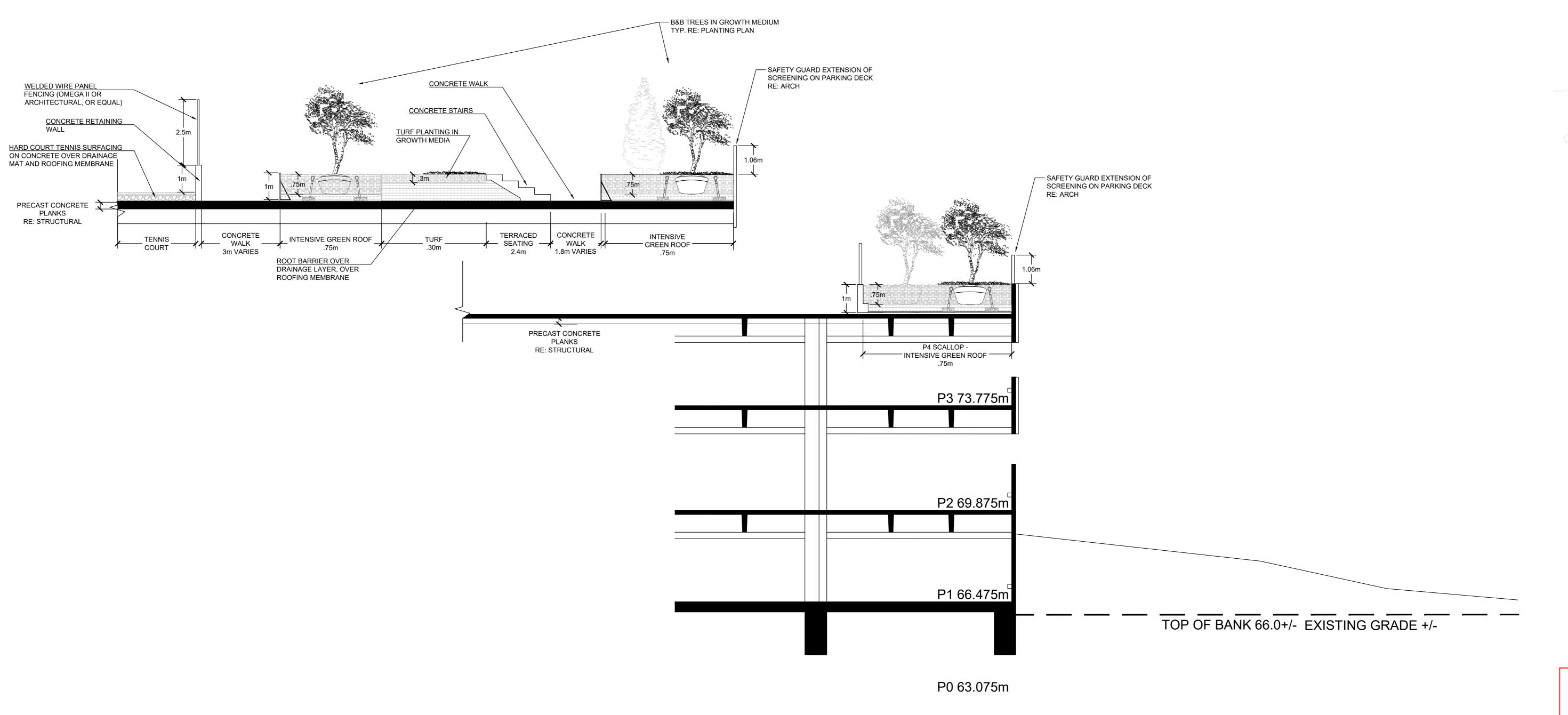


DETAIL ROOF SECTIONS

LS-402

Progress Submission

DETAIL ROOF SECTION D SCALE 1:75



APPROVED By Lily Xu at 5:03 pm, Sep 12, 2022 LILY XU, MCIP, RPP MANAGER, DEVELOPMENT REVIEW SOUTH

PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

+ 57.60m Track Level

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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Robert Malloy Jason-Emery Groen **Project Designer** Project Architect **Project Architect** Civil Engineer Structural Engineer **Mechanical Engineer** Smith + Andersen Interior Designer Interior Designer Equipment Planner

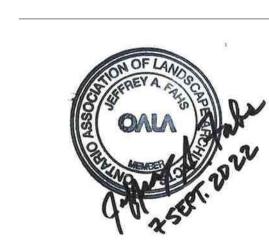
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Wayfinding

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DETAIL ROOF SECTIONS

Sheet Number **LS-403**

TREE PLANTING IN TREE GRATE WITH TREE ANCHORS AS PER LANDSCAPE PLANS ON COMPACTED SOIL ROOTBALL SUPPORT.

STRUCTURAL BACKFILL COLLAR. FILL WITH GRANULAR MATERIAL, COMPACTING THE FINAL SURFACE TO 95%. AREAS BENEATH OR ADJACENT TO TRAFFICABLE ROAD PAVEMENT TO BE FILLED WITH 5% CEMENT STABILIZED FILL AT OPTIMAL MOISTURE CONTENT

- FILTERGRID HEAVY GRADE NON-WOVEN FILTER FABRIC WITH REINFORCED GRID TO LINE TOP & OUTER EDGE OF TREE TRENCH TO BOTTOM OF MATRIX.

SNORKIL PLAZA 2 DUAL INLET IRRIGATION/ AERATION PIPING. INLETS SET LEVEL WITH THE SURROUNDING SUBSACE

- 100 mm [4"] Ø PERFORATED PVC DRAINAGE PIPE WITHIN CELL PERIMETER CONNECTED TO NEAREST STORM STRUCTURE & SLOPED TO MATCH PROPOSED GRADE (1.5%). — 100 mm [4"] DEPTH WASHED ROCK DRAINAGE COMPACTED TO MEETING ENGINEERING REQUIREMENTS

FOOTPLATES ALONG PERIMETER OF CELL TO BE ANCHORED WITH 4 - 300 mm [1"] LENGTH LANDSCAPE SPIKES PER PLATE.

OTTAWA HOSPITAL PARKING GARAGE
W/ CITYGREEN STRATAVAULT GENERATION 6

Drawing Title:
SOIL CELL LAYOUT & CROSS SECTION

Consultant Drawings:

Reference No:

Sheet No. 1 of 1

Drawing No: SC01

Issue # 1

- PAVEMENT LAYERS & GRANULAR COMPACTED AS PER LANDSCAPE DRAWINGS.

1000 MM

- COMPACTED SUBGRADE

- PRECAST CONCRETE AMPHITHEATER SEATS

PRECAST CONCRETE PLANTER WALL

- EPOXY COATED STAINLESS STEEL DOWEL, 2 PER PRECAST SECTION

- REINFORCED CONCRETE

ADJACENT CONCRETE

FOOTING

PERMEABLE JOINT OPENING AGGREGATE

---PERMEABLE PAVER UNIT

BED AGGREGATE

---PERMEABLE SUBBASE

- CONCRETE PAVEMENT WITH THICKENED EDGE

- POLYMERIC SAND JOINT

- CONCRETE UNIT PAVER - CONCRETE CURB, SEE

- SAND SETTING BED

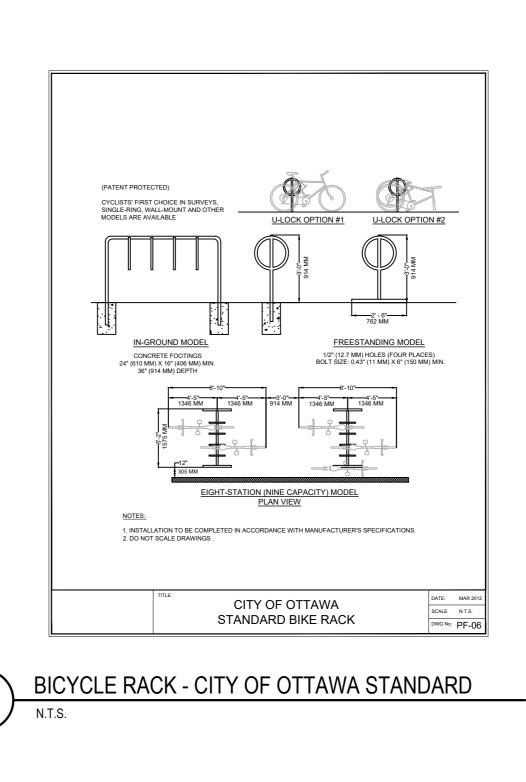
— AGGREGATE BASE

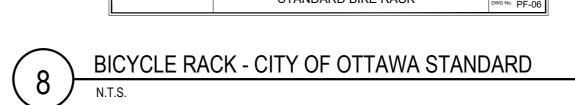
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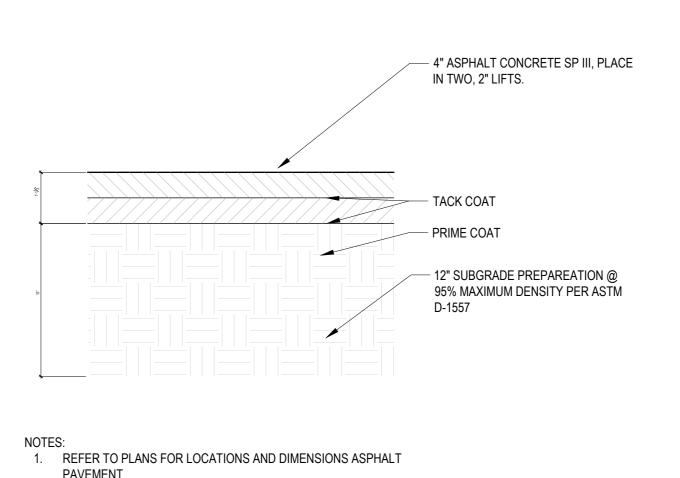
AGGREGATE

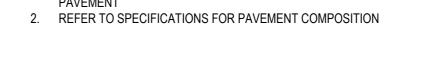
AGGREGATE ---GEOTEXTILE

-40MM PERMEABLE SETTING

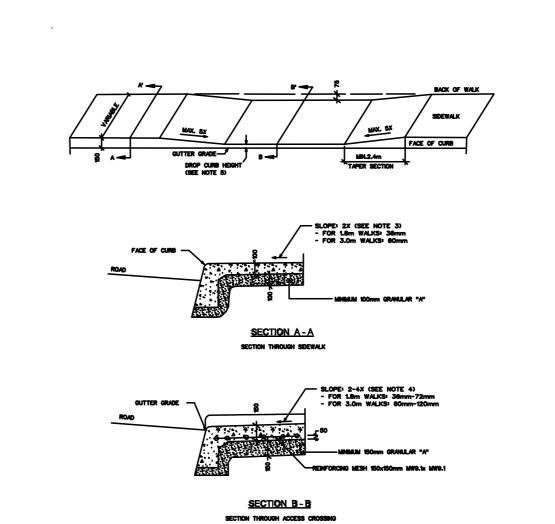


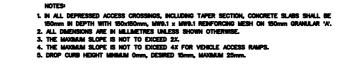




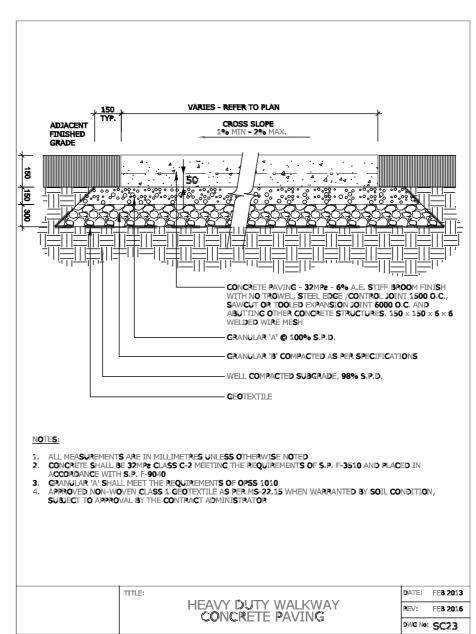


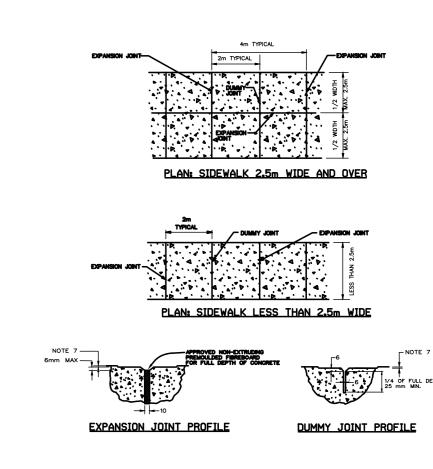
TYPICAL ASPHALT DRIVE SECTION

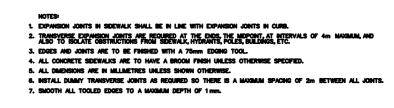




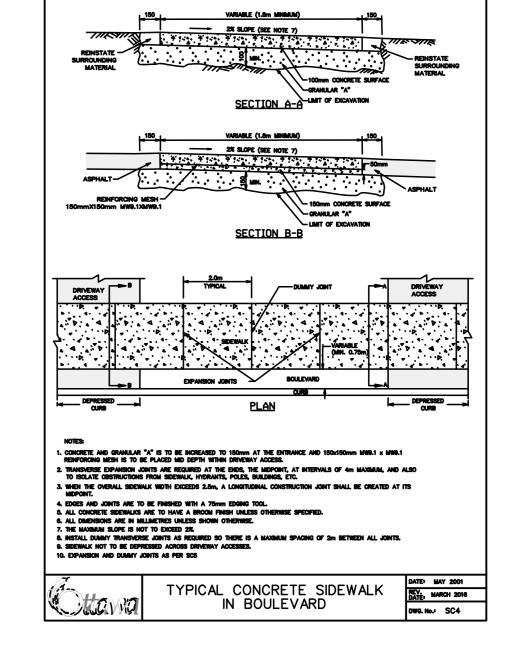
TYPICAL DEPRESSED SIDEWALK DETAIL



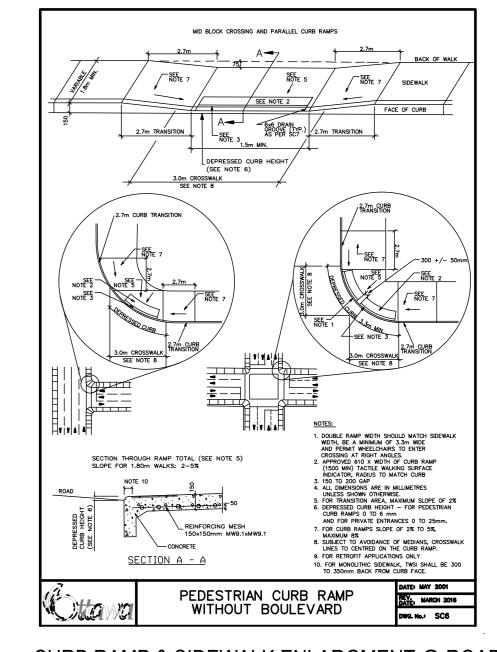




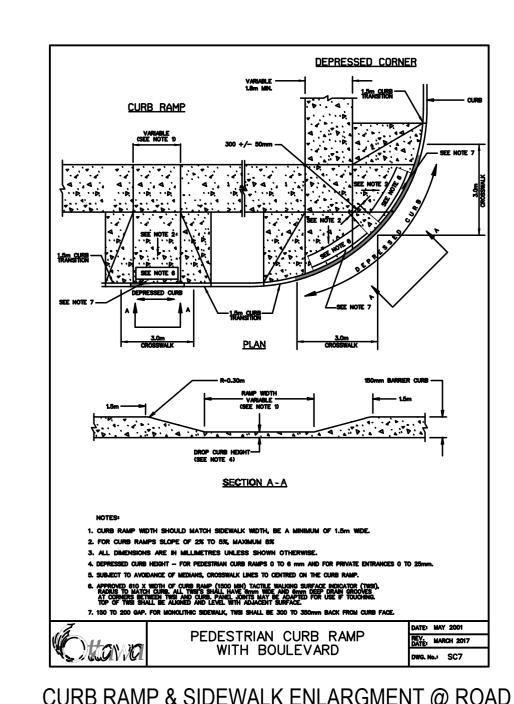




TYPICAL SIDEWALK ENLARGEMENT & DETAILS



CURB RAMP & SIDEWALK ENLARGMENT @ ROAD A & ROAD B - SIM



CURB RAMP & SIDEWALK ENLARGMENT @ ROAD B & PRINCE OF WALES - SIM



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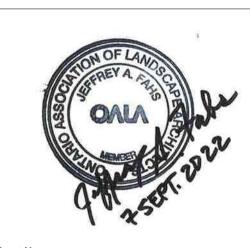


Robert Malloy Jason-Emery Groen Project Designer Project Architect Project Architect **Civil Engineer** Structural Engineer Smith + Andersen Mechanical Engineer Smith + Andersen Interior Designer Equipment Planner Wayfinding

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September 2021 **Original Issue**



GROUND PLANE DETAILS

Sheet Number **LS501**

Progress Submission

TYPICAL SIDEWALK & PLAZA SECTION

N.T.S.

- ROADWAY PAVEMENT, SEE CIVIL — GEOTEXTILE, WRAP UP FACE OF CURB CONCRETE UNIT PAVER

N.T.S.

N.T.S.

CITYSTEEN 10 Heht Eliott Avenue, Sydney Olympic Park, NSW 2127 Vancouver, BC V272 1K5 4550 West 83rd Street, Los Angeles, CA 90045 transforming grey spaces into green Email: info@citygreen.com

APPROVED

SC01 Scale: 1:50

By Lily Xu at 5:04 pm, Sep 12, 2022

LILY XU, MCIP, RPP

47.850 m [156'-11 3/4"]

A - SEE 1/SCO1 AE

100 mm [4"] Ø PERFORATED PVC DRAINAGE PIPE WITHIN CELL PERIMETER CONNECTED TO NEAREST STORM STRUCTURE.

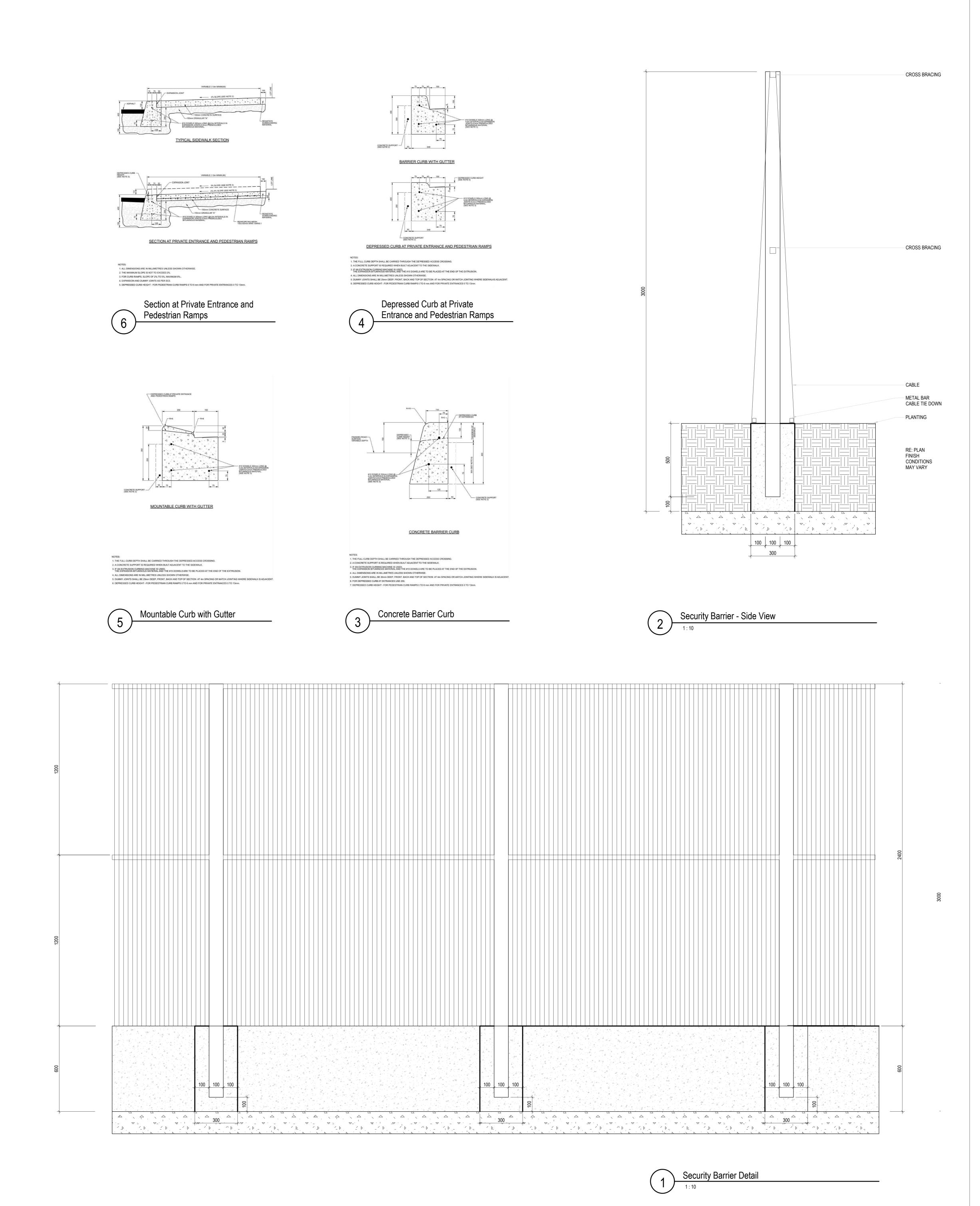
SC011 Scale: 1:50

MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC **DEVELOPMENT DEPARTMENT, CITY OF OTTAWA**

BIKE LANE

SC01 Scale: 1:20

Scale 1:50 & 1:20 AS SHOWN





The Ottawa Hospital New Civic Development Parking Garage

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Robert Malloy Jason-Emery Groen **Project Designer Project Architect** Project Architect Jeff Fahs Landscape Architect Civil Engineer LEA Engineering Structural Engineer **Mechanical Engineer** Smith + Andersen Smith + Andersen Plumbing Engineer Smith + Andersen Interior Designer Interior Designer Equipment Planner **Equipment Planner** Wayfinding

Sheet Reviewer Author MARK DATE DESCRIPTION

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GROUND PLANE DETAILS

Sheet Number **LS502**

Progress Submission

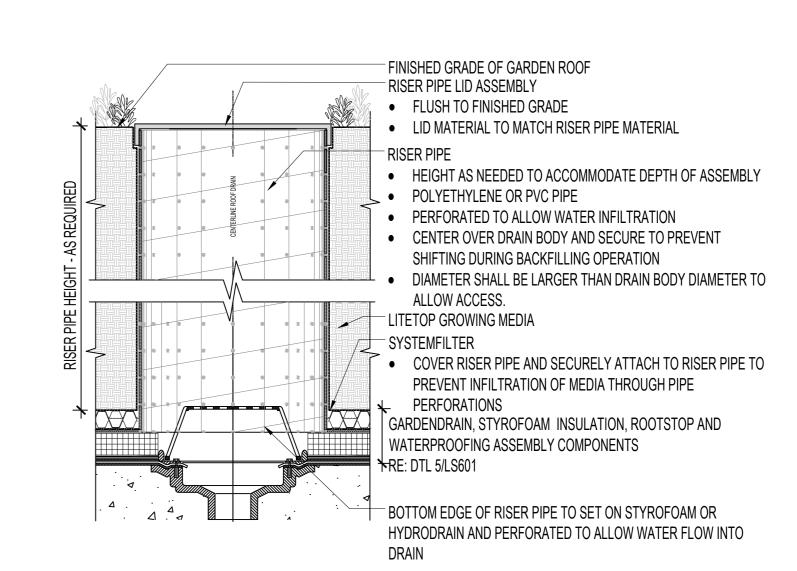
APPROVED

By Lily Xu at 5:04 pm, Sep 12, 2022

LILY XU, MCIP, RPP

PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

MANAGER, DEVELOPMENT REVIEW SOUTH







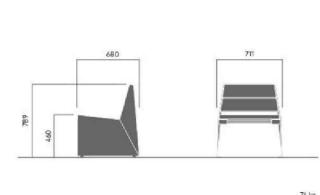
Designed by Atle Tveit, Lars Tornøe Bloc chair is available with or without armrests. Bloc chairs enhance this popular range of furniture.



Anchoring/assembly

Free-standing/mounted to the ground

AWARD FOR DESIGN EXCELLENCE



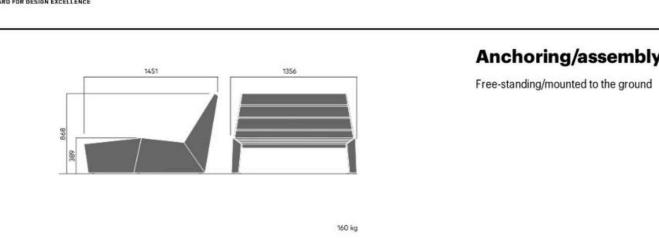
Primary material Hot-dip galvanised steel All steel components are hot-dip galvanised, which produces a matt grey surface after a while. We offer a lifetime anti-rust warranty.

PRODUCT: BLOC CHAIR MANUFACTURER: VESTRE

12 PLAYGROUND SEATING - CHAIR

BLOC sun bench

Designed by Atle Tveit, Lars Tornøe Bloc sun bench can be used on its own or joined in rows and back to back. It is also available with a short seat. AWARD FOR DESIGN EXCELLENCE



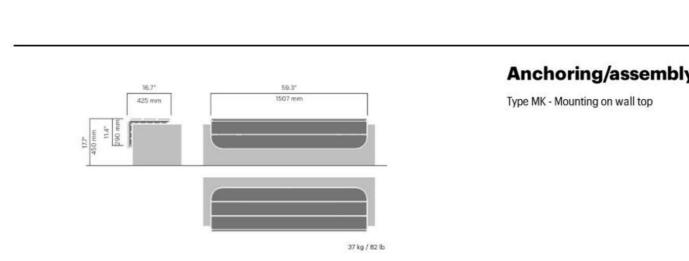
Primary material Hot-dip galvanised steel All steel components are hot-dip galvanised,

which produces a matt grey surface after a

while. We offer a lifetime anti-rust warranty.

PRODUCT: BLOC SUN BENCH MANUFACTURER: VESTRE PLAYGROUND SEATING - LOUNGE **CORNER** bench

Designed by Lars Tornøe Corner bench for wall tops wraps around corners, providing excellent comfort with its warm wood. It is ideal for existing wall tops with a 90-degree angle.



PRODUCT: CORNER BENCH

MANUFACTURER: VESTRE

[92,1in] / [118,1in]

45 [1.77] [44,9in] / [70,9in] (A) 1140mm / (B) 1800mm

9 RECYCLED TIMBER BENCH - BACKLESS

3000 [118.11]

2500 [98.43]

45 [1.77]

RECYCLED TIMBER BENCH - BACKED

PRODUCT: HEAVY-HEAVY BENCH, BACKED, 3000MM

MANUFACTURER: STREETLIFE

PRODUCT: HEAVY-HEAVY BENCH, BACKLESS, 3000MM

MANUFACTURER: STREETLIFE

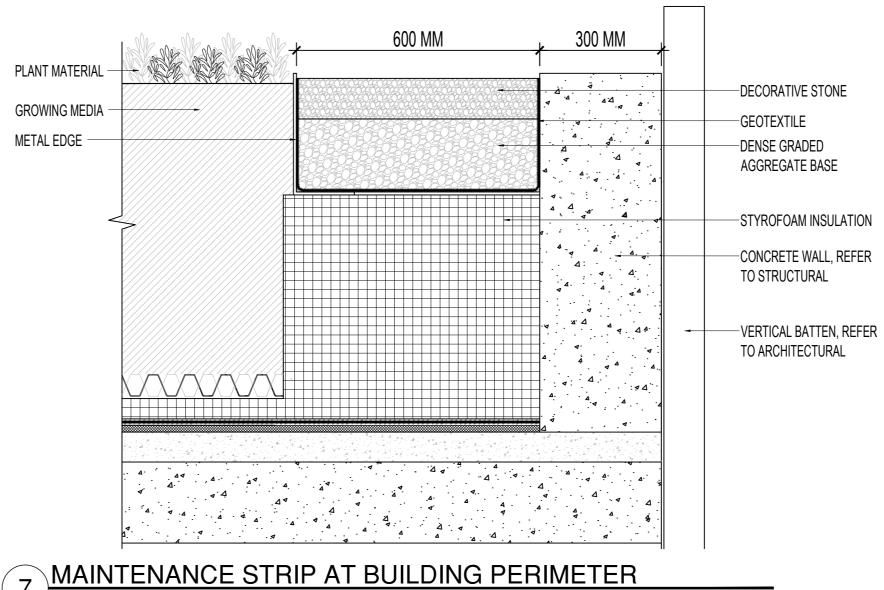
140 [5.51] 20 [0.79]

ATTACHMENT HOLES 260 [10.24]

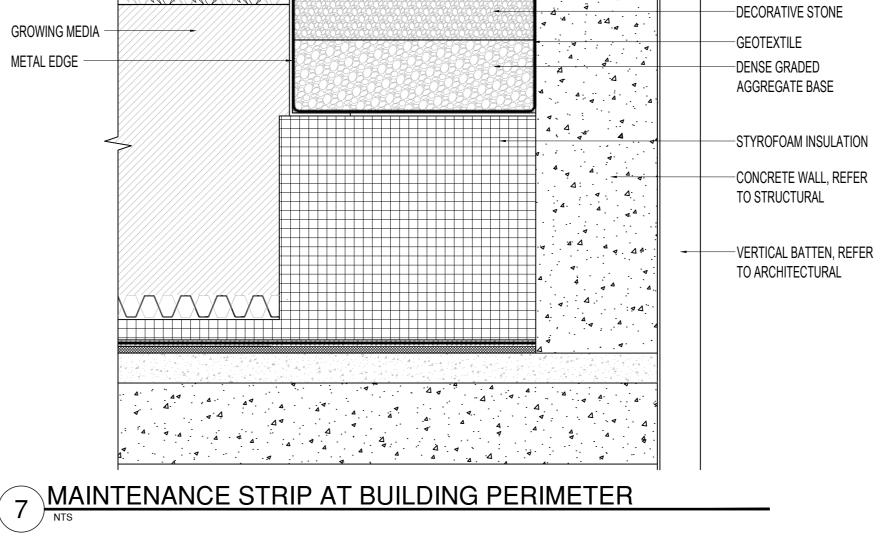
ATTACHMENT HOLES

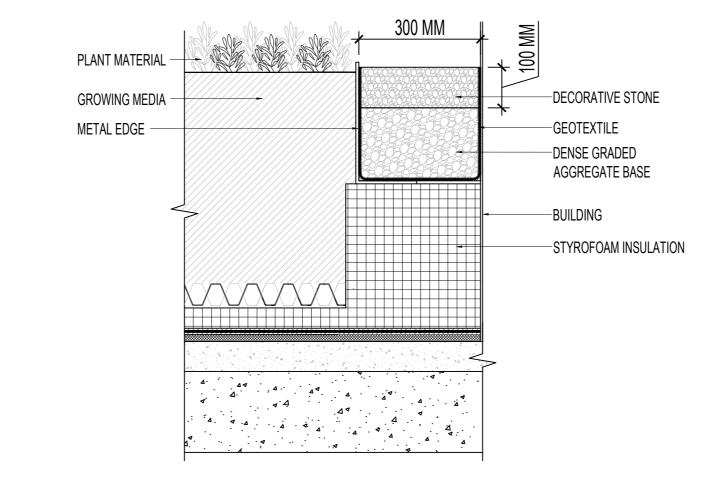
Primary material Hot-dip galvanised steel All steel components are hot-dip galvanised, which produces a matt grey surface after a while. We offer a lifetime anti-rust warranty.

(10) WALL TOP BENCH

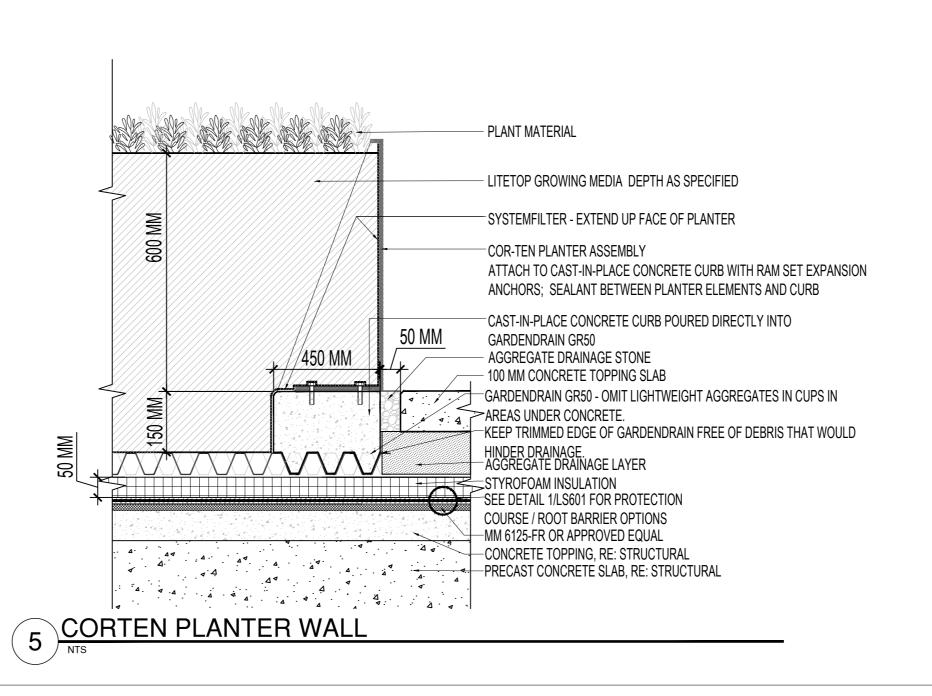


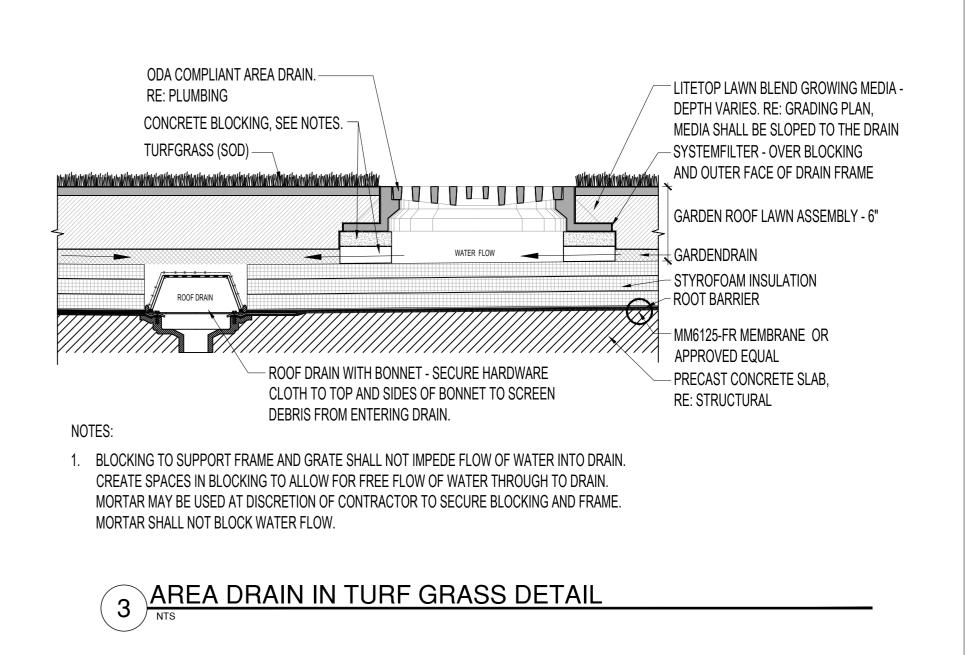
7 MAINTENANCE STRIP AT BUILDING PERIMETER



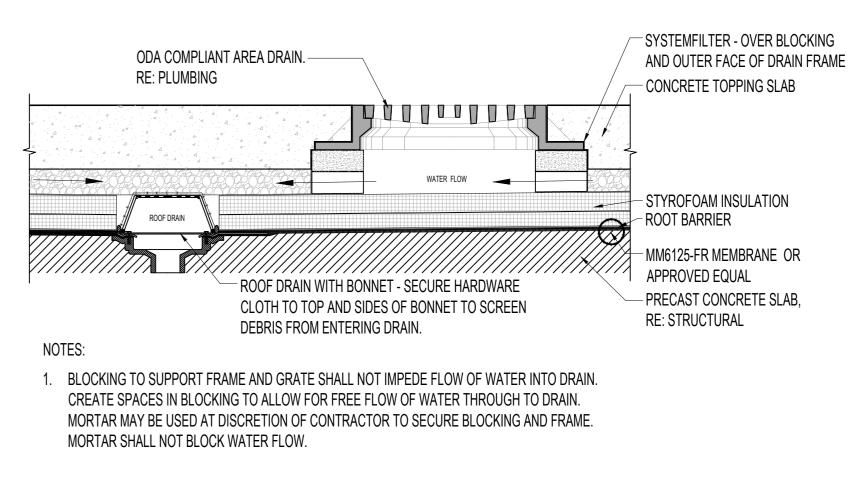


6 MAINTENANCE STRIP AT HIGH LINE

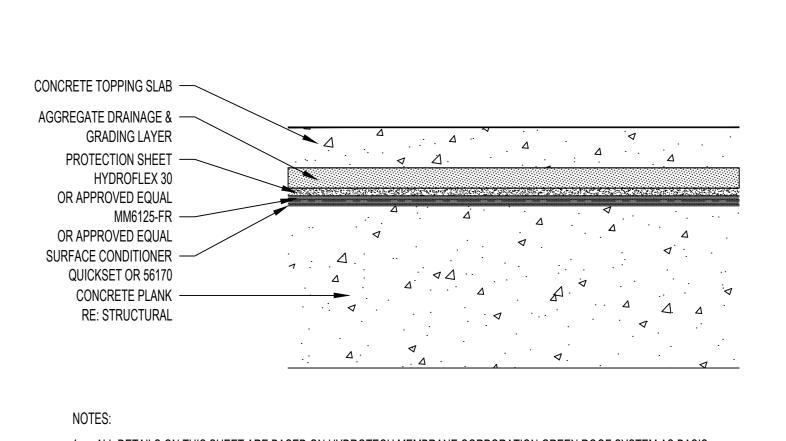




AREA DRAIN DETAIL FOR INTENSIVE PLANTING AREAS



2 AREA DRAIN IN PAVEMENT DETAIL



1. ALL DETAILS ON THIS SHEET ARE BASED ON HYDROTECH MEMBRANE CORPORATION GREEN ROOF SYSTEM AS BASIS OF DESIGN. APPROVED EQUAL SUBSTITUTIONS WILL BE CONSIDERED. TYPICAL TOPPING SLAB DETAIL

Wayfinding Author Sheet Reviewer MARK DATE DESCRIPTION ISSUED FOR SPC APPROVAL ISSUED FOR NCC REVIEW 2022-04-25 ISSUED FOR CM PRICING ISSUED FOR SPC RESUBMISSION ISSUED FOR 100% TOH DESIGN REVIEW 2022-01-14 ISSUED FOR SPC RESUBMISSION

2021-09-22 ISSUED FOR SPC SUBMISSION

2021-06-18 ISSUED FOR SD SUBMISSION

The Ottawa Hospital

Parking Garage

930 Carling Avenue &

Ottawa, ON, K1Y 4E9

520 Preston Street,

New Civic Development

NEW CAMPUS
DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

Robert Malloy

Jeff Fahs

Civil Engineer

LEA Engineering

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Interior Designer

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Project Designer

Project Architect

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Mechanical Enginee

Electrical Engineer

Plumbing Engineer

Equipment Planner

Interior Designer

Jason-Emery Groen

Project Architect

Original Issue September 2021

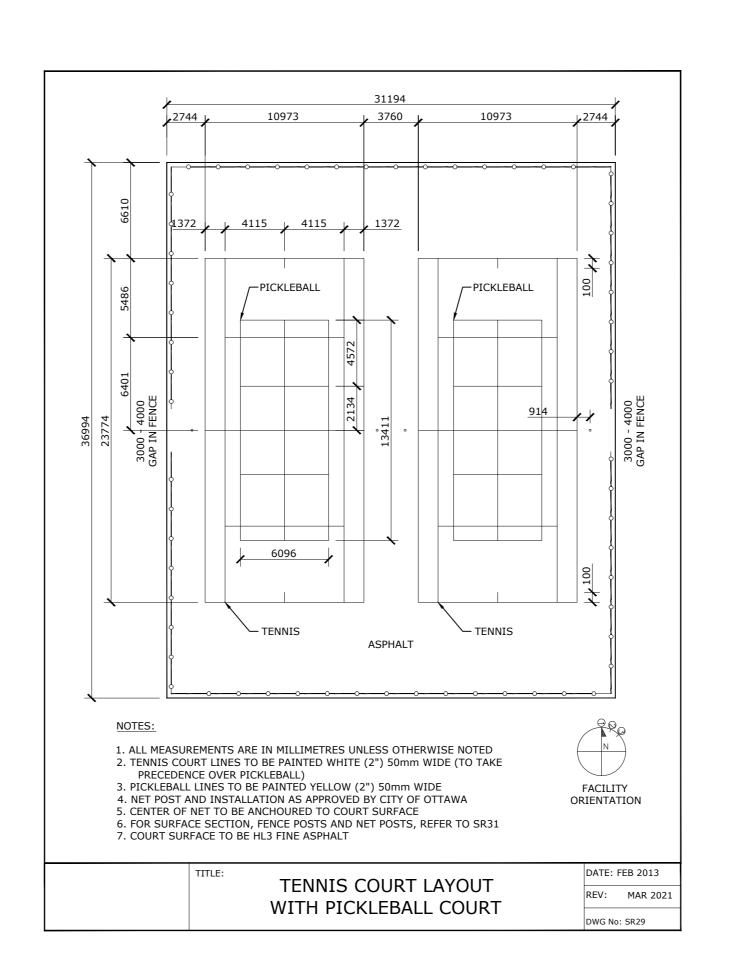
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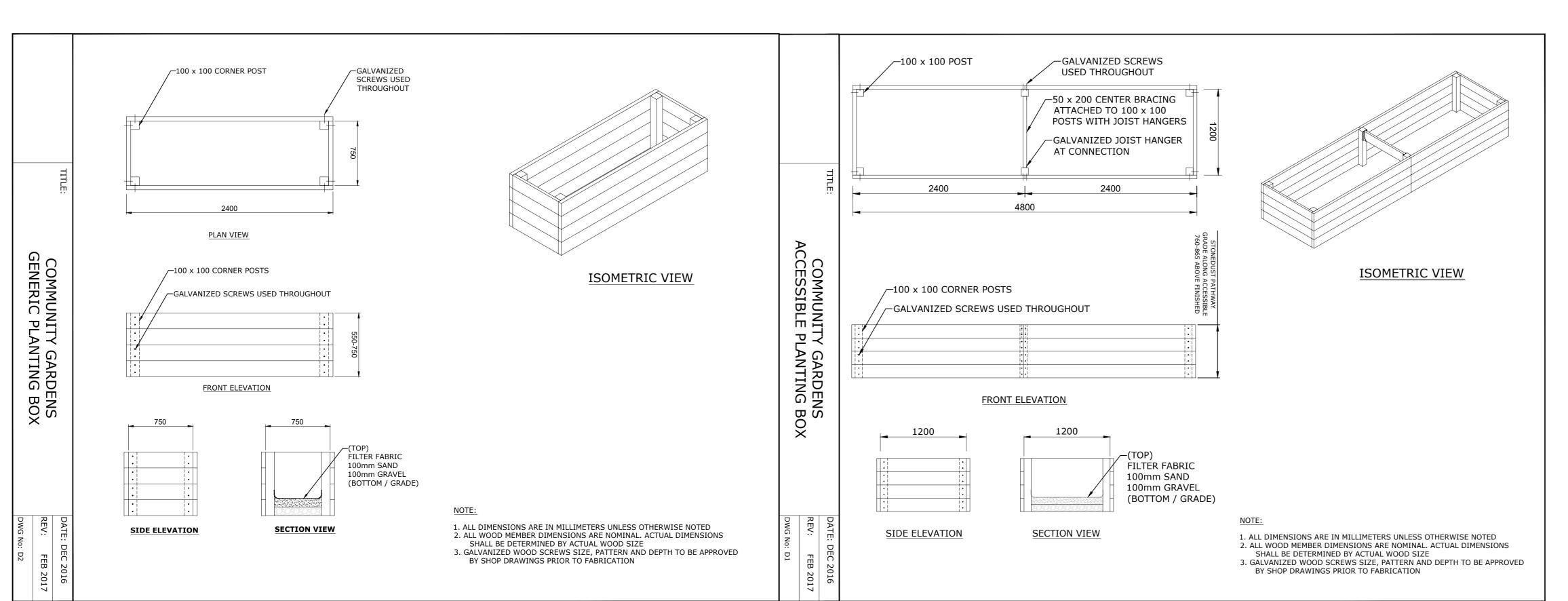


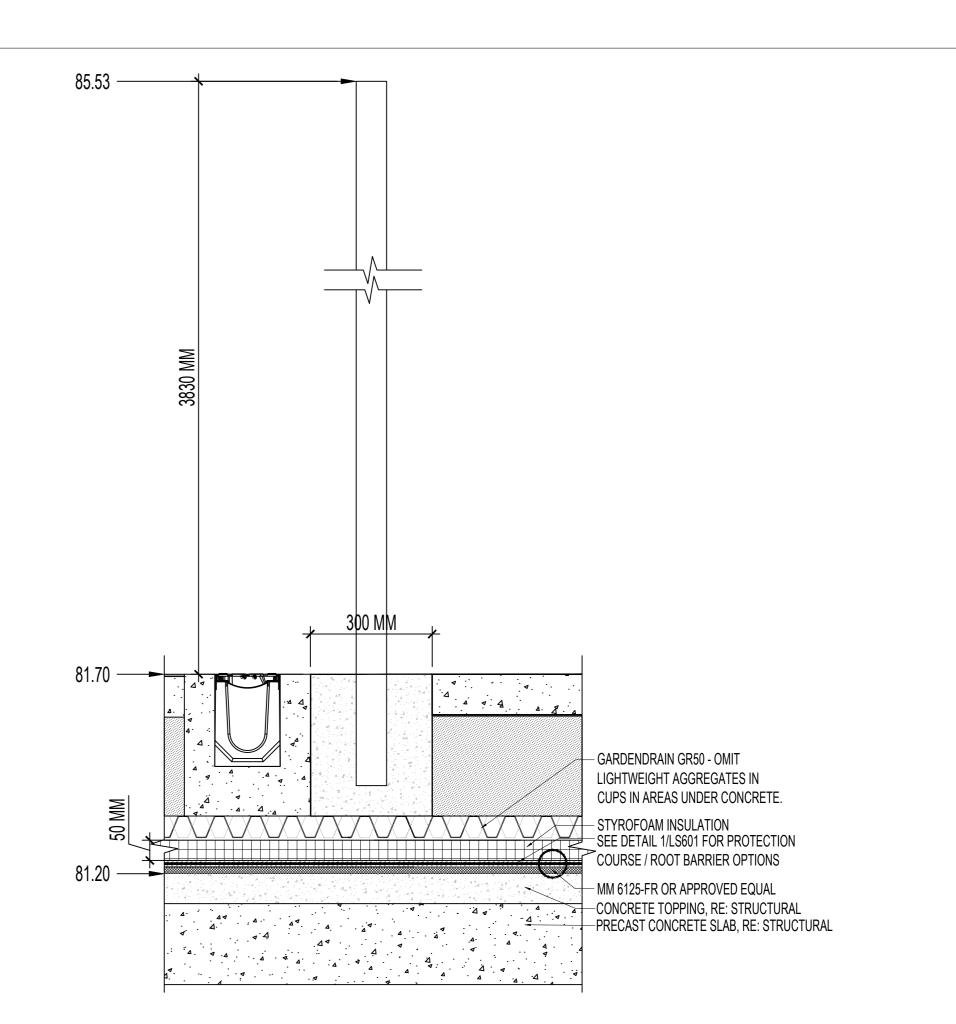
Sheet Name **GREEN ROOF DETAILS**

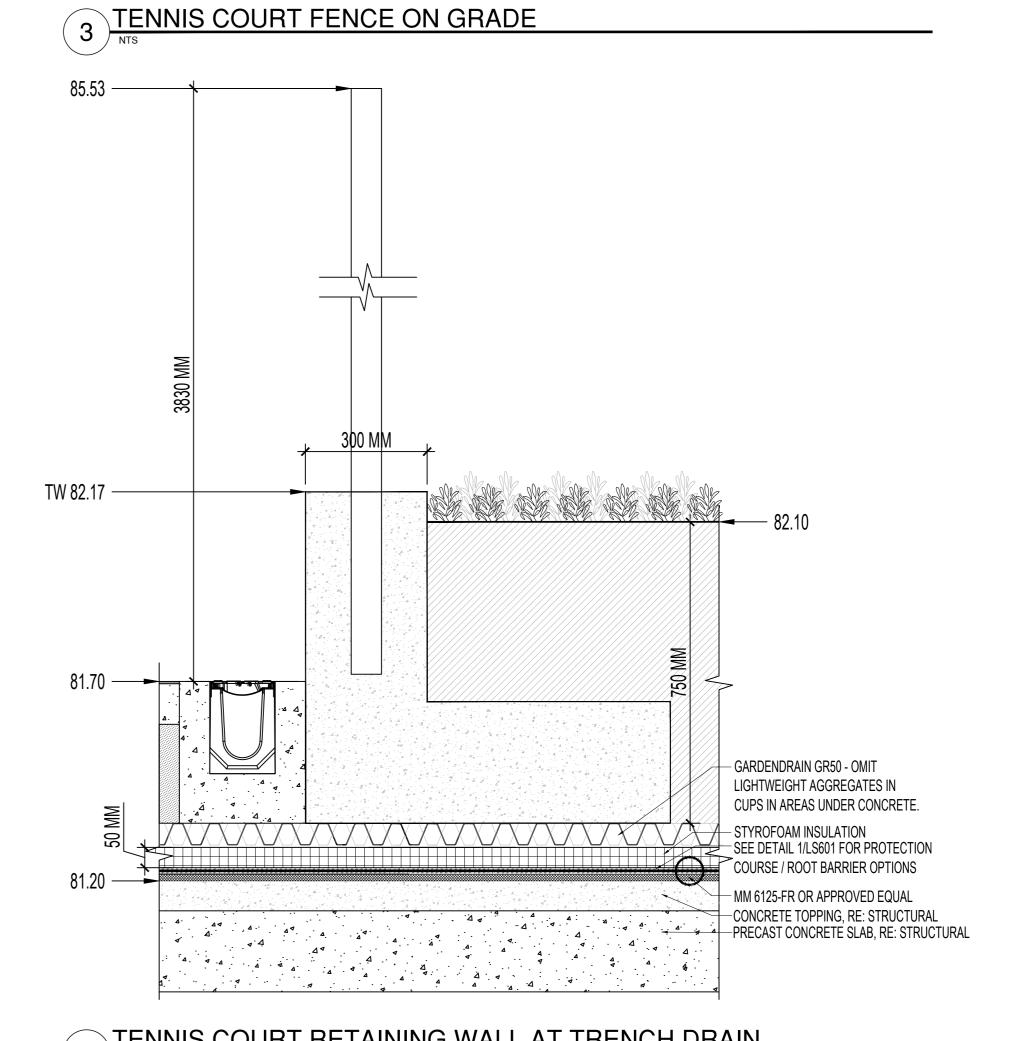
Sheet Number **LS601**

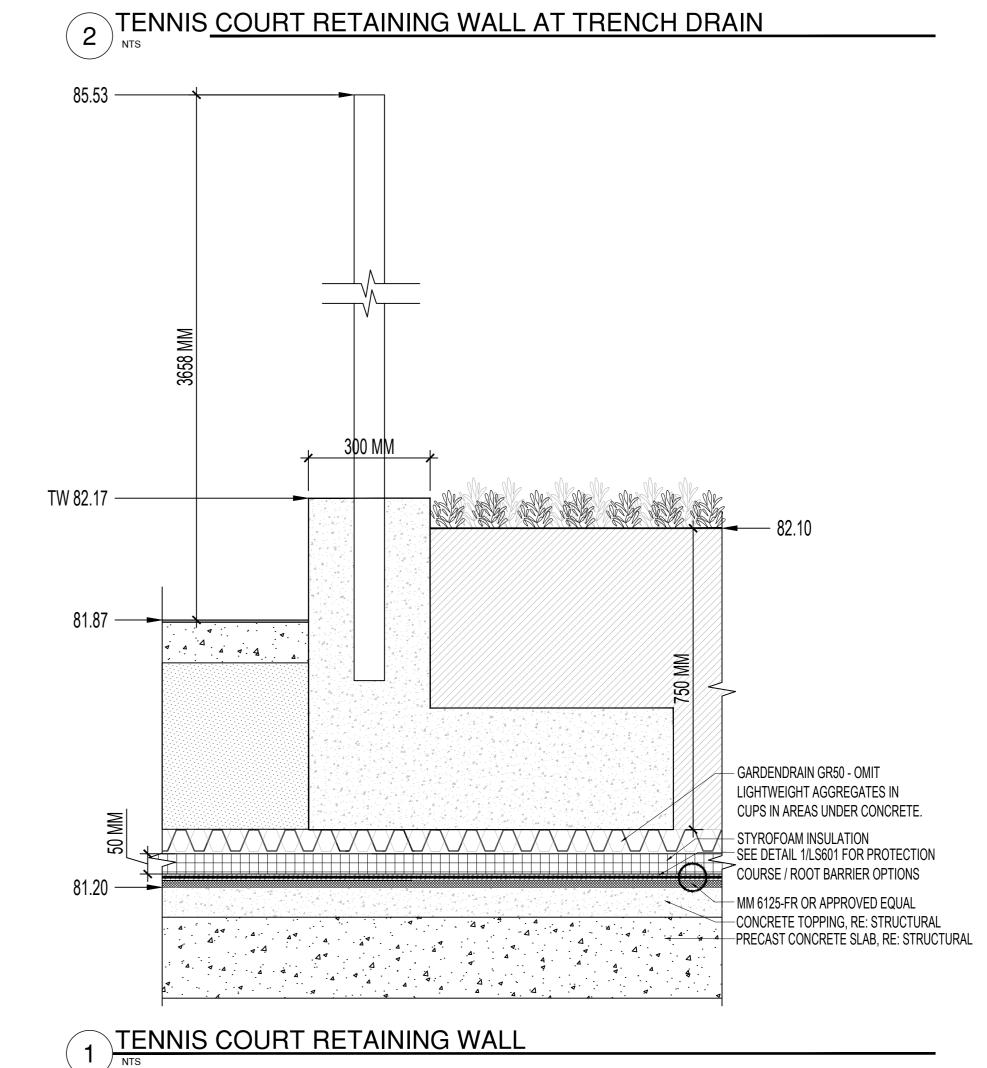


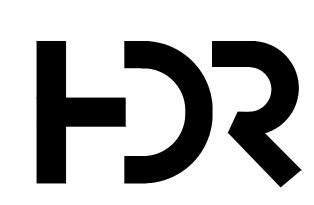












The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Robert Malloy Project Manager Jason-Emery Groen **Project Designer Project Architect** Project Architect Jeff Fahs Landscape Architect Civil Engineer LEA Engineering Structural Engineer **Mechanical Engineer** Smith + Andersen Smith + Andersen Plumbing Engineer Smith + Andersen Interior Designer Interior Designer Equipment Planner Wayfinding Author MARK DATE DESCRIPTION

> 10 2022-06-03 ISSUED FOR SPC APPROVAL 09 2022-04-25 ISSUED FOR NCC REVIEW

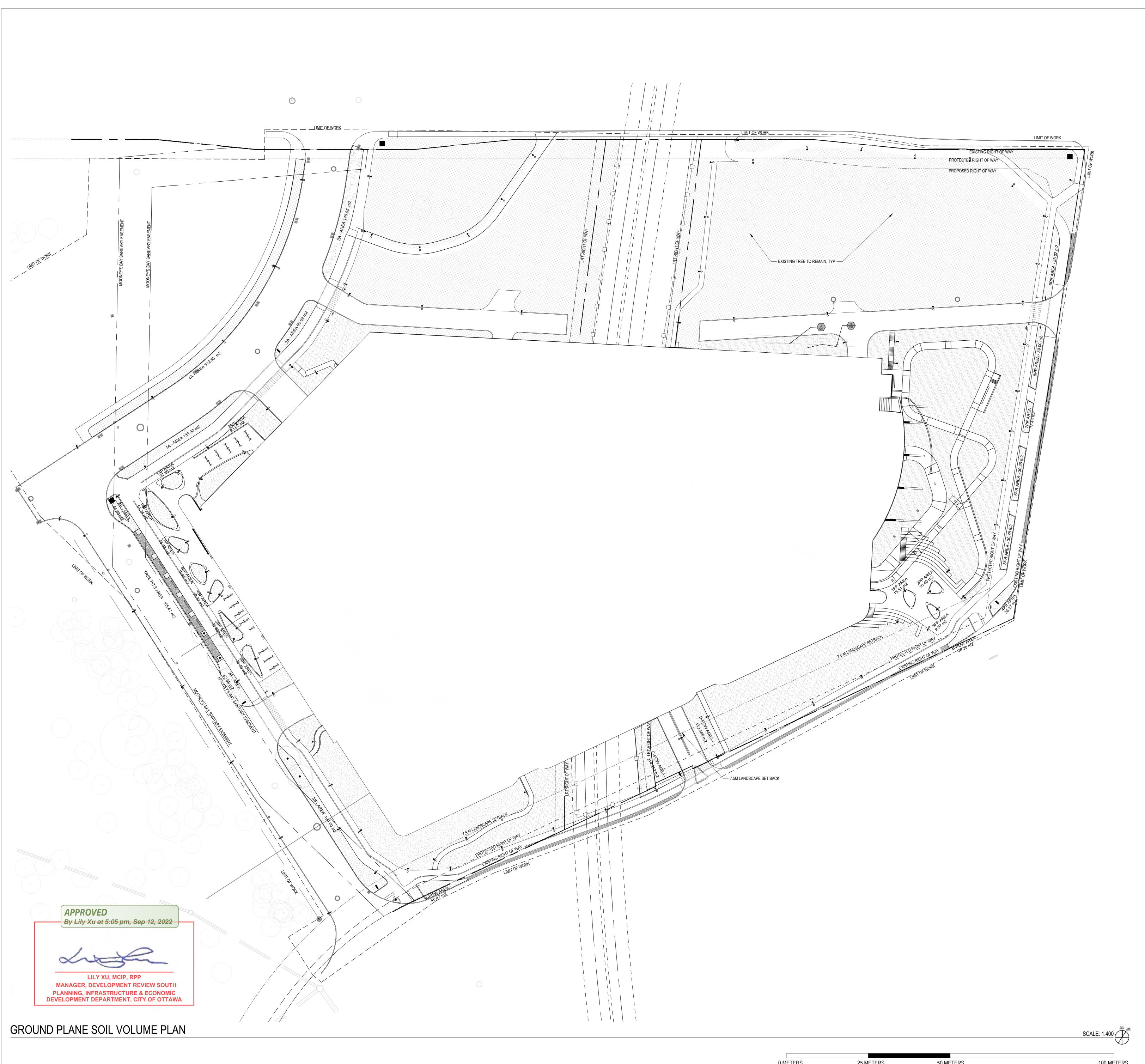
Project Number 10305722
Original Issue September 2021



GREEN ROOF
DETAILS

Sheet Number
LS602

Project Status
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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager Project Designer Project Architect Landscape Architect Plumbing Engineer Interior Designer Equipment Planner Wayfinding

Sheet Reviewer

SOIL VOLUME CALCULATIONS

 AREA (m2)
 x 1.5m depth (m3)
 /18m3 (lrg)
 Proposed

 105.47
 158.205
 8.79
 7 tree

79.5405

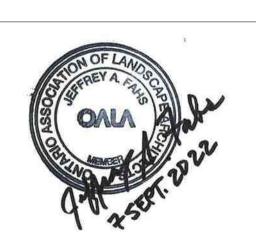
 1.13
 1 Tree

 0.87
 1 Tree

 0.80
 1 Tree

ISSUED FOR SPC APPROVAL 2022-04-25 ISSUED FOR NCC REVIEW ISSUED FOR CM PRICING 2022-01-14 ISSUED FOR SPC RESUBMISSION 2021-09-22 ISSUED FOR SPC SUBMISSION

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GROUND PLANE SOIL VOLUME PLAN

LP-002

Progress Submission

Road B Tree Pits Pits 2.5m x 2.5m x 2m
 POW Blvd Planting Areas
 AREA (m2)
 x1.5m depth (m3)
 /18 m3 (lrg)
 Proposed

 A-POW Area
 46.56
 69.84
 3.88
 1 Tree

 B-POW Area
 28.208
 42.312
 2.35
 1 Tree

 C-POW Area - LRT
 214.257
 321.3855
 17.85
 5 Trees

 D-POW Area
 112.166
 168.249
 9.35
 5 Trees
 0 METERS 100 METERS 25 METERS

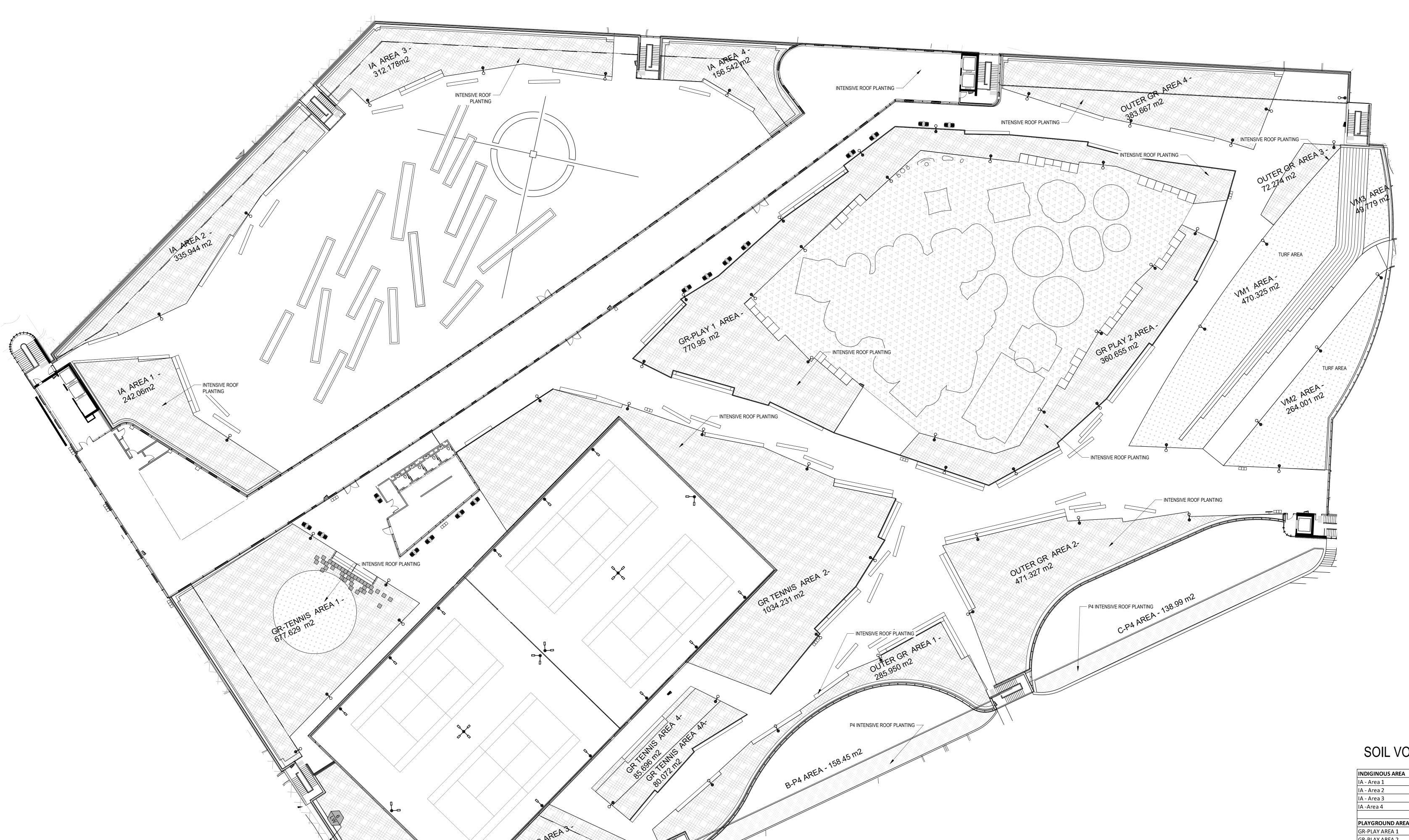
2022-06-03 ISSUED FOR SPC APPROVAL 2022-04-25 ISSUED FOR NCC REVIEW
2022-04-04 ISSUED FOR CM PRICING 2022-02-28 ISSUED FOR SPC RESUBMISSION 2022-01-14 ISSUED FOR SPC RESUBMISSION 2021-09-22 ISSUED FOR SPC SUBMISSION
2021-09-03 ISSUED 30% CD
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GREEN ROOF SOIL VOLUME PLAN

LP-003

Progress Submission



SOIL VOLUME CALCULATIONS

INDIGINOUS AREA	AREA (m2)	x .75m depth (m3)	/ 15m3 (med)	Proposed
IA - Area 1	242.06	181.545	12.10	17 Tre
IA - Area 2	335.944	251.958	16.80	18 Tre
IA - Area 3	312.178	234.1335	15.61	23 Tre
IA -Area 4	156.542	117.4065	7.83	11 Tre
PLAYGROUND AREA	AREA (m2)	x .75m depth (m3)	/ 15m3 (med)	Proposed
GR-PLAY AREA 1	770.95	578.2125	38.55	65 Tre
GR-PLAY AREA 2	360.655	270.49125	18.03	32 Tre
TENNIS COURTS	AREA (m2)	x .75m depth (m3)	/ 15m3 (med)	Proposed
GR-TENNIS AREA 1	677.629	508.22175	33.88	34 Tre
GR-TENNIS AREA 2	1034.231	775.67325	51.71	73 Tre
GR-TENNIS AREA 3	439.265	329.44875	21.96	31 Tre
GR-TENNIS AREA 4	85.696	64.272	4.28	8 Tre
GR-TENNIS AREA 4a	80.072	60.054	4.00	5 Tre
OUTER GREEN ROOF	AREA (m2)	x .75 depth (m3)	/ 15m3 (med)	Proposed
OUTER GR AREA 1	285.95	214.4625	14.30	21 Tre
OUTER GR AREA 2	471.327	353.49525	23.57	31 Tre
OUTER GR AREA 3	72.274	54.2055	3.61	8 Tre
OUTER GR AREA 4	383.667	287.75025	19.18	31 Tre
P4 Level Planting Areas	AREA (m2)	x .75m depth (m3)	/9 m3 (ornm.)	Proposed
A -P4 Level	111.37	83.5275	9.28	9 Tre
B -P4 Level	158.45	118.84	13.20	13 Tre
C -P4 Level	138.99	104.24	11.58	11 Tre
Vista Mound				
VM1 - turf	470.325			
VM2 - turf	264.001			
VM3 - turf	49.779			

SCALE: 1:250

APPROVED

By Lily Xu at 5:06 pm, Sep 12, 2022 LILY XU, MCIP, RPP

MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

GREEN ROOF SOIL VOLUME PLAN

OVERALL GROUND PLANE PLANTING PLAN

	_	ROUND PLANE PLANTS				
TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
AN	10	Acer nigrum `Greencolumn` / Green Column Black Maple	B & B	50mm Cal	Single Stem	
AR	9	Acer rubrum / Red Maple	B & B	50mm Cal	Single Stem	
AS2	6	Acer saccharinum / Silver Maple	B & B	50mm Cal	Single Stem	
AS	32	Acer saccharum / Sugar Maple	B & B	50mm Cal	Single Stem	
GT	31	Gleditsia triacanthos inermis `Shademaster` / Shademaster Honey Locust	B & B	50mm Cal	Single Stem	
GK	24	Gymnocladus dioica / Kentucky Coffeetree	B & B	50mm Cal	Single Stem	
QR	38	Quercus rubra / Red Oak	B & B	50mm Cal	Single Stem	
	ı					
MEDIUM TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
AP	26	Acer pensylvanicum / Striped Maple	B & B	3000-3600mm HT.	Multi-Stem	
BP3	34	Betula papyrifera / Paper Birch	B & B	7600-9000mm HT.	Multi-Stem	
со	4	Celtis occidentalis / Common Hackberry	B & B	50mm Cal	Single Stem	
CONTERDO	OT) (DOTANIOAL / COMMONIANAS	CONT	0175	LIADIT	DEMARKS
CONIFERS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
JE	3	Juniperus virginiana / Eastern Redcedar	B&B	200cm Cal	Single Stem	
PS	67	Pinus strobus / White Pine	B & B	200cm Cal	Single Stem	
SMALL TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
AC2	39	Amelanchier canadensis / Canadian Serviceberry	B & B	3000-3600mm HT.	Multi-Stem	
BP	20	Betula papyrifera / Paper Birch	60L	4500-5500mm HT.	Multi-Stem	
BP2	46	Betula papyrifera / Paper Birch	B & B	5500-7000mm HT.	Multi-Stem	
CE	15	Cercis canadensis / Eastern Redbud	B & B	3000-3600mm HT.	Multi-Stem	
CA	35	Cornus alternifolia / Alternate-leaved Dogwood	B & B	2500-3000mm HT.	Multi-Stem	
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
CS	24	Cephalanthus occidentalis 'SMCOSS' TM / Sugar Shack Buttonbush	5 Gal	900-1200mm HT.		
CR	53	Cornus sericea / Red Twig Dogwood	3 Gal	450-600mm HT.		
HV	36	Hamamelis virginiana / Common Witch Hazel	5 Gal	900-1200mm HT.		
LW	58	Ilex verticillata / Winterberry	3 Gal	450-600mm HT.		
IV	25	Itea virginica `Sprich` TM / Little Henry Sweetspire	5 Gal	450-600mm HT.		
RE	9	Rhododendron x `P.J.M.` / PJM Rhododendron	5 Gal	450-600mm HT.		
RT	44	Rhus typhina / Staghorn Sumac	3 Gal	450-600mm HT.		
VA	74	Vaccinium angustifolium / Lowbush Blueberry	3 Gal	450-600mm HT.		

OVERALL GREEN ROOF PLANTING PLAN

MEDIUM TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
AP	9	Acer pensylvanicum / Striped Maple	B & B	3000-3600mm HT.	Multi-Stem	
PT	22	Populus tremuloides / Quaking Aspen	B & B	4500-5500mm HT.	Multi-Stem	
CONIFERS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
JE	28	Juniperus virginiana / Eastern Redcedar	B & B	200cm Cal	Single Stem	
PG	92	Picea glauca / White Spruce	B & B	200cm Cal	Single Stem	Mixed, 5 gal. to 6'
			•	•		
SMALL TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
AC2	46	Amelanchier canadensis / Canadian Serviceberry	B & B	3000-3600mm HT.	Multi-Stem	
BP2	230	Betula papyrifera / Paper Birch	B & B	5500-7000mm HT.	Multi-Stem	
CA	12	Cornus alternifolia / Alternate-leaved Dogwood	B & B	2500-3000mm HT.	Multi-Stem	
	•		•	-		
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REMARKS
MS	731	Matteuccia struthiopteris / Ostrich Fern	3 Gal	450-600mm HT.		
TC	35	Taxus canadensis / Canadian Yew	3 Gal	450-600mm HT.		

GROUNDCOVER SCHEDULE

SPRING EPHEMERAL LAYER

- Asarum canadense / Wild Ginger
 Maianthemum canadense / Canada mayflower
 Tiarella (sp) / Foamflower
- Anemone canadensis / Canada anemone Phlox divaricata / Wild Blue Phlox

- SEDGE CARPET Carex brevior / Plains Oval Sedge

- Carex rosea / Rosy Sedge
 Carex aurea / Golden Sedge
 Deschampsia cespitosa / Tufted Hairgrass
 Arctostaphylos uva-ursi / Bearberry

MIXED FERNS

- Matteuccia struthiopteris / Ostrich Fern
- Athyrium filix-femina / Lady Fern

HDR Architecture Associates Inc. 300 Richmond Road, Suite

Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Robert Malloy Jason-Emery Groen

Project Architect
Jeff Fahs
Civil Engineer

LEA Engineering Smith + Andersen

Smith + Andersen Interior Designer

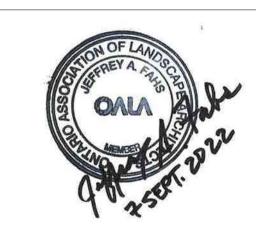
Project Manager Project Designer Project Architect Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Equipment Planner HDR Sheet Reviewer Author MARK DATE DESCRIPTION

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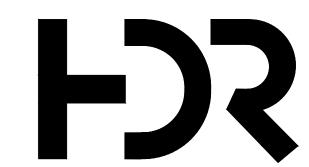
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LANDSCAPE PLANTING SCHEDULE

LP-100

0 METERS



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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Interior Designer
Equipment Planner
Project Malloy
Jason-Emery
Project Architect
Project Architect
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LEA Engineer
Smith + Ander
Smith + Ander
Interior Designer
Equipment Planner

Wayfinding HDR

Sheet Reviewer Author

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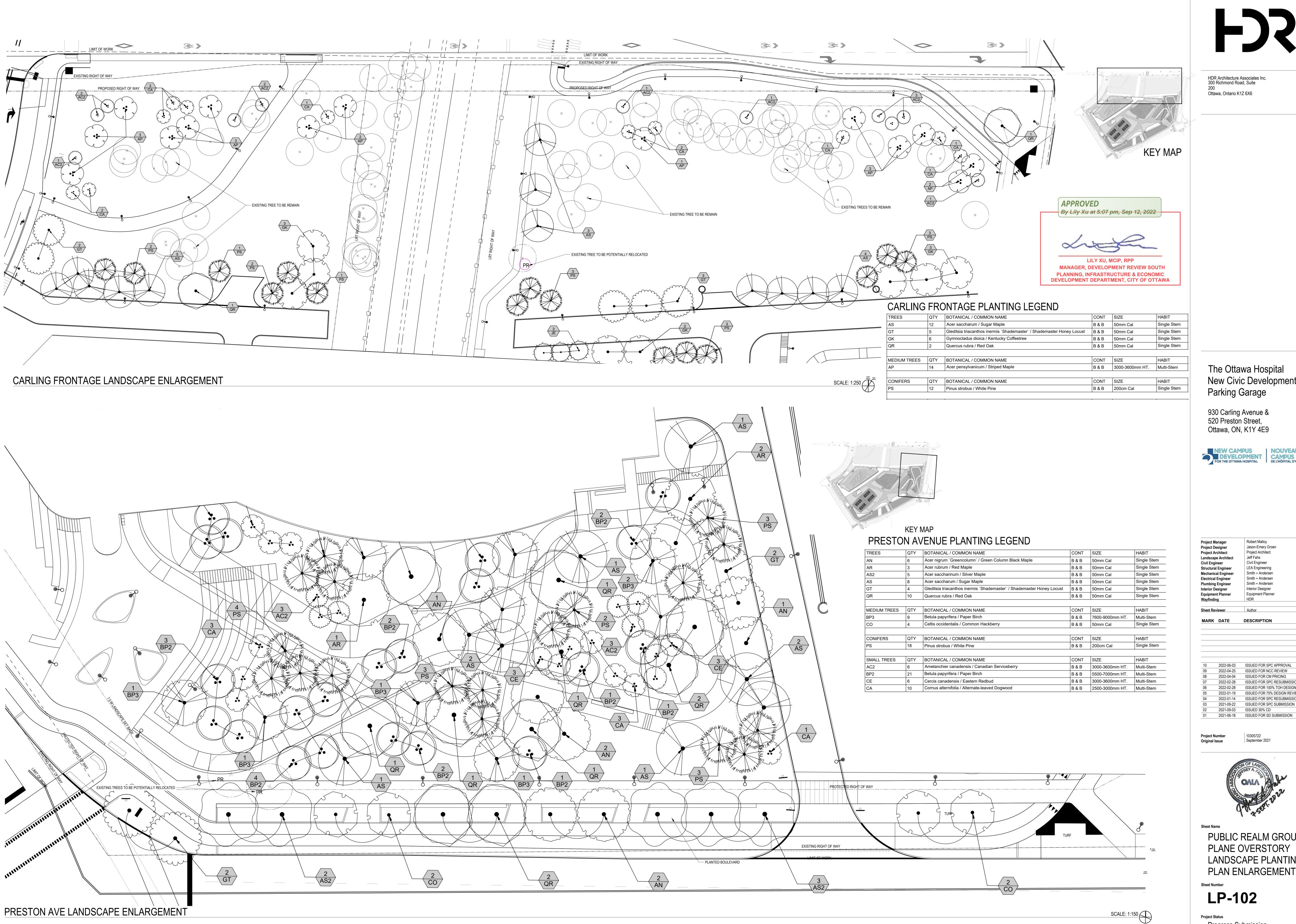


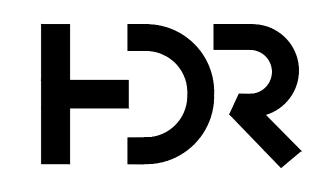
GROUND PLANE OVERSTORY PLANTING PLAN

Sheet Number
LP-101

100 METERS

Project Status
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The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

NEW CAMPUS
DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

Project Manager **Project Designer** Project Architect Landscape Architect Civil Engineer Structural Engineer **Mechanical Engineer Equipment Planner**

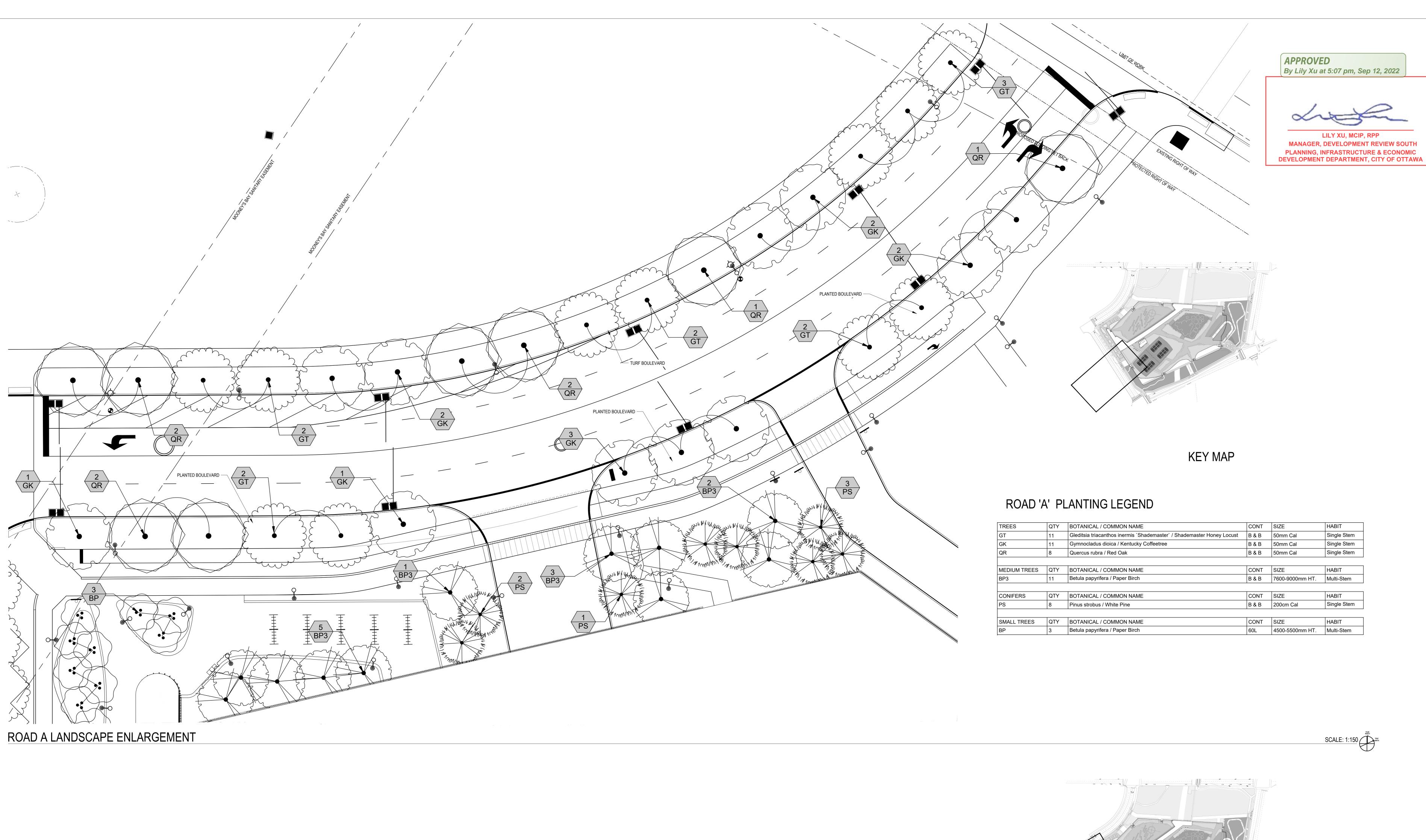
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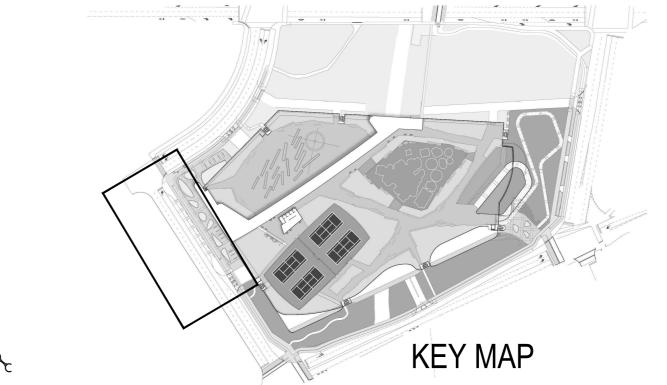
PUBLIC REALM GROUND PLANE OVERSTORY LANDSCAPE PLANTING PLAN ENLARGEMENTS

LP-102



PLANTED BOULEVARD 3

— PRECAST — CONCRETE PLANTER



ROAD 'B' PLANTING LEGEND

TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
AR	2 Acer rubrum / Red Maple		B & B	50mm Cal	Single Stem
AS2	·			50mm Cal	Single Stem
AS	1	Acer saccharum / Sugar Maple	В&В	50mm Cal	Single Stem
GT	10	Gleditsia triacanthos inermis `Shademaster` / Shademaster Honey Locust	B & B	50mm Cal	Single Stem
GK	GK 4 Gymnocladus dioica / Kentucky Coffeetree		B & B	50mm Cal	Single Stem
QR	8	Quercus rubra / Red Oak	B & B	50mm Cal	Single Stem
	•		•	-	•
MEDIUM TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
AP	3	Acer pensylvanicum / Striped Maple	B & B	3000-3600mm HT.	Multi-Stem
BP3	3	Betula papyrifera / Paper Birch	B & B	7600-9000mm HT.	Multi-Stem
			•		•
CONIFERS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
PS	3	Pinus strobus / White Pine	B & B	200cm Cal	Single Stem
	'			1	'
SMALL TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
BP	17	Betula papyrifera / Paper Birch	60L	4500-5500mm HT.	Multi-Stem

SCALE: 1:200



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Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

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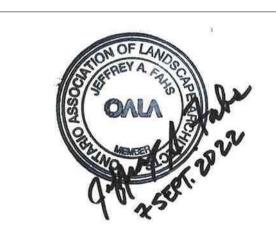
Project Manager Project Designer Project Architect Landscape Architect Civil Engineer
Structural Engineer Interior Designer Equipment Planner Wayfinding

Sheet Reviewer MARK DATE DESCRIPTION

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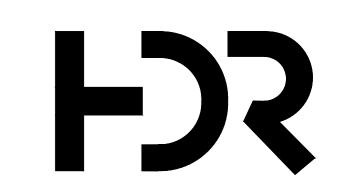
PUBLIC REALM GROUND PLANE OVERSTORY LANDSCAPE PLANTING PLAN ENLARGEMENTS

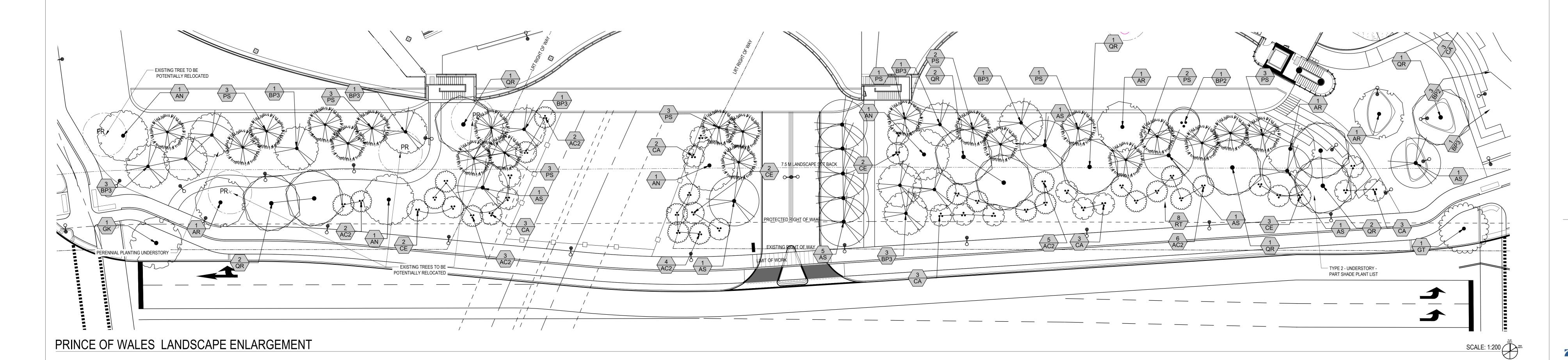
LP-103

Progress Submission

ROAD B LANDSCAPE ENLARGEMENT







KEY MAP

PRINCE OF WALES PLANTING LEGEND

TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
AN	4	Acer nigrum `Greencolumn` / Green Column Black Maple	B & B	50mm Cal	Single Stem
AR	4	Acer rubrum / Red Maple	B & B	50mm Cal	Single Stem
AS	11	Acer saccharum / Sugar Maple	B & B	50mm Cal	Single Stem
GT	1	Gleditsia triacanthos inermis `Shademaster` / Shademaster Honey Locust	B & B	50mm Cal	Single Stem
GK	1	Gymnocladus dioica / Kentucky Coffeetree	ymnocladus dioica / Kentucky Coffeetree B & B 50mm Cal		Single Stem
QR	QR 10 Quercus rubra / Red Oak		B & B	50mm Cal	Single Stem
MEDIUM TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
BP3	11	Betula papyrifera / Paper Birch	B & B	7600-9000mm HT.	Multi-Stem
	•		•		•
CONIFERS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
PS	21	Pinus strobus / White Pine	B & B	200cm Cal	Single Stem
	•		•	•	•
SMALL TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
AC2	22	Amelanchier canadensis / Canadian Serviceberry	B & B	3000-3600mm HT.	Multi-Stem
BP2	1	Betula papyrifera / Paper Birch	B & B	5500-7000mm HT.	Multi-Stem
CE	9	Cercis canadensis / Eastern Redbud	B & B	3000-3600mm HT.	Multi-Stem
CA 14 Cornus alternifolia / Alternate-leaved Dogwood B & B 2500-3000		1			

The Ottawa Hospital
New Civic Development
Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Plumbing Engineer

Robert Malloy
Jason-Emery G
Project Architect
Project Architect
Deff Fahs
Civil Engineer
LEA Engineer
Smith + Anders
Smith + Anders
Smith + Anders

Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer

Author

MARK DATE DESCRIPTION

 10
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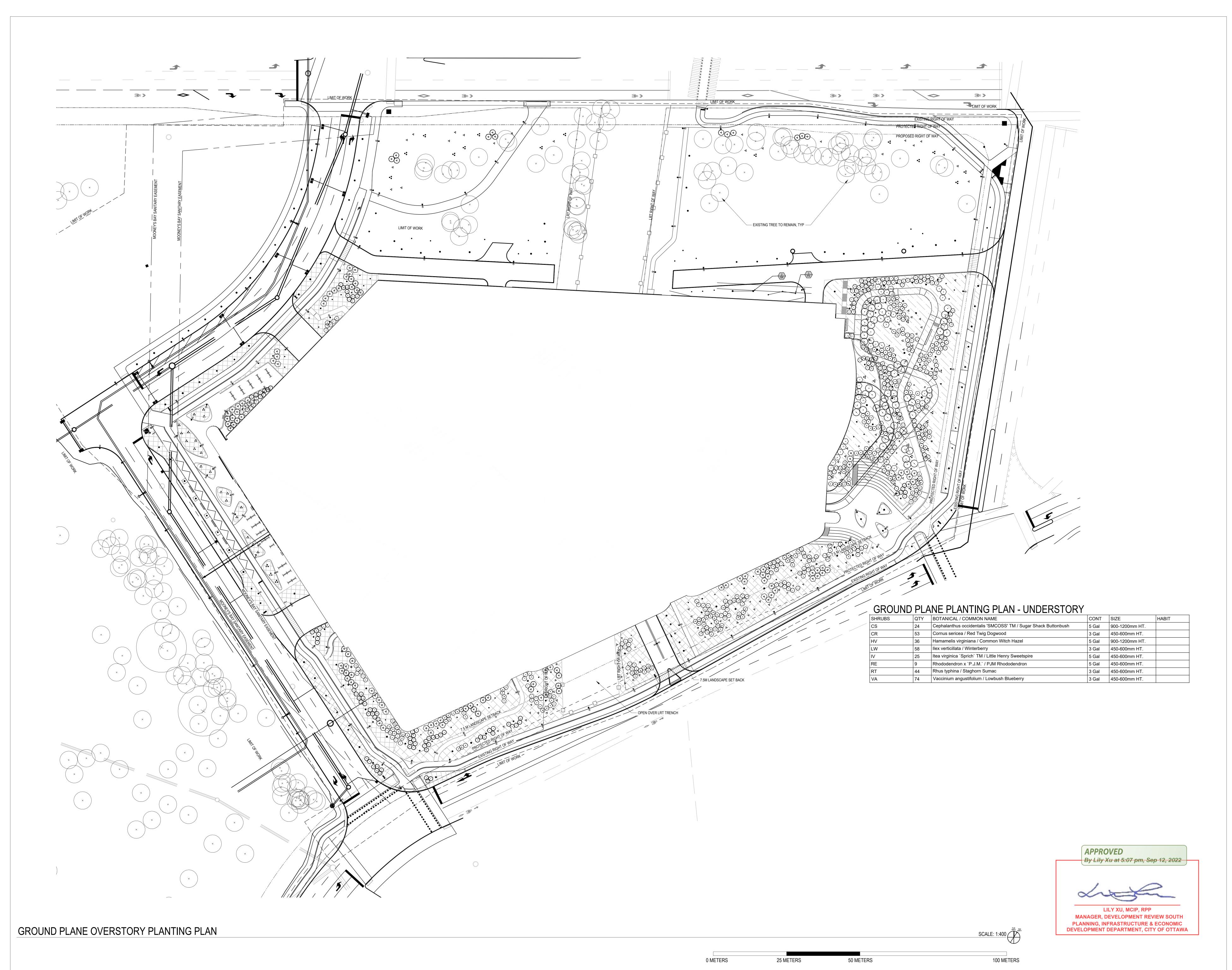
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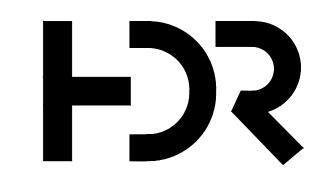


PUBLIC REALM GROUND
PLANE OVERSTORY
LANDSCAPE PLANTING
PLAN ENLARGEMENTS

LP-104

roject Status Progress Submission





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Plumbing Engineer

Robert Malloy
Jason-Emery
Project Architect
Jeff Fahs
Civil Engineer
LEA Engineer
Smith + Ander
Smith + Ander
Smith + Ander

Plumbing Engineer
Interior Designer
Equipment Planner
Wayfinding

Sheet Reviewer

MARK DATE

Smith + Andersen
Interior Designer
Equipment Planner
HDR

Author

Sheet Reviewer

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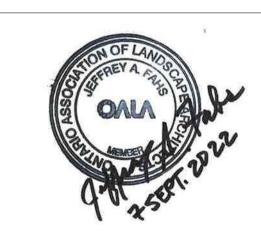
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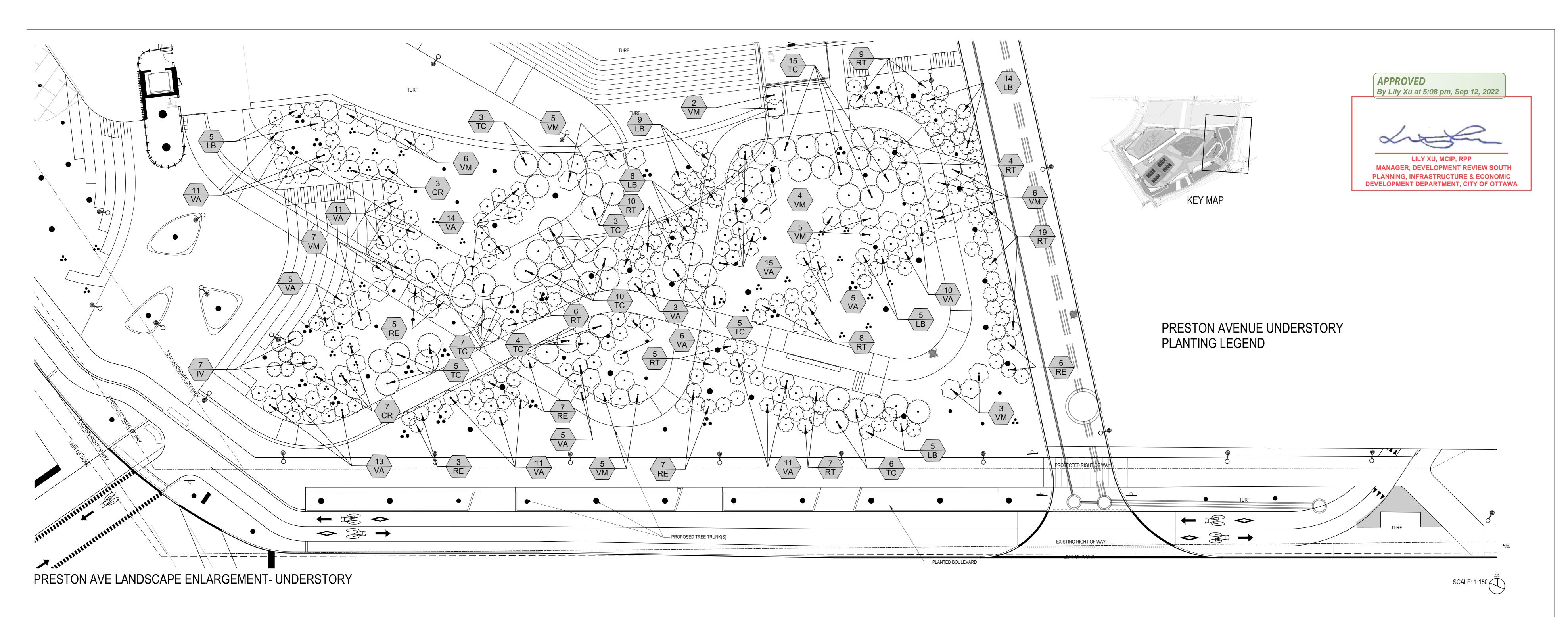
pject Number 10305 ginal Issue Septe



GROUND PLANE
UNDER STORY
PLANTING PLAN

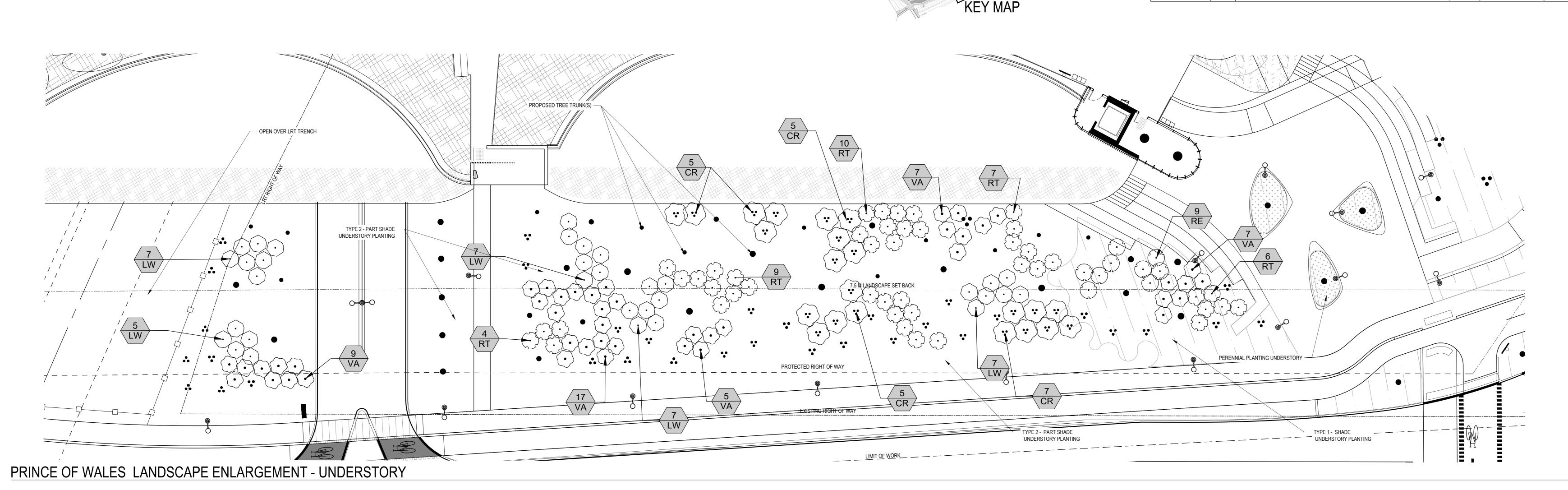
LP-201

Project Status
Progress Submission





CS	24	Cephalanthus occidentalis 'SMCOSS' TM / Sugar Shack Buttonbush	5 Gal	900-1200mm HT.		
CR	32	Cornus sericea / Red Twig Dogwood	3 Gal	450-600mm HT.		
HV	12	Hamamelis virginiana / Common Witch Hazel	5 Gal	900-1200mm HT.		
_W	43	Ilex verticillata / Winterberry	3 Gal	450-600mm HT.		
V	8	Itea virginica `Sprich` TM / Little Henry Sweetspire	5 Gal	450-600mm HT.		
RE	9	Rhododendron x `P.J.M.` / PJM Rhododendron	5 Gal	450-600mm HT.		
RT	44	Rhus typhina / Staghorn Sumac	3 Gal	450-600mm HT.		
\/Δ	7/	Vaccinium angustifolium / Lowbush Blueberry	3 Gal	450-600mm HT		



Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

NEW CAMPUS
DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer

Robert M
Jason-E
Project A
Civil Engine
Project A
Civil Engine
Structural Engineer
Smith +
Smith +
Smith +

Designer Interior Designer Equipment Plan HDR

eviewer Author

MARK DATE DESCRIPTIO

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01	2021-06-18	ISSUED FOR SD SUBMISSION

Project Number

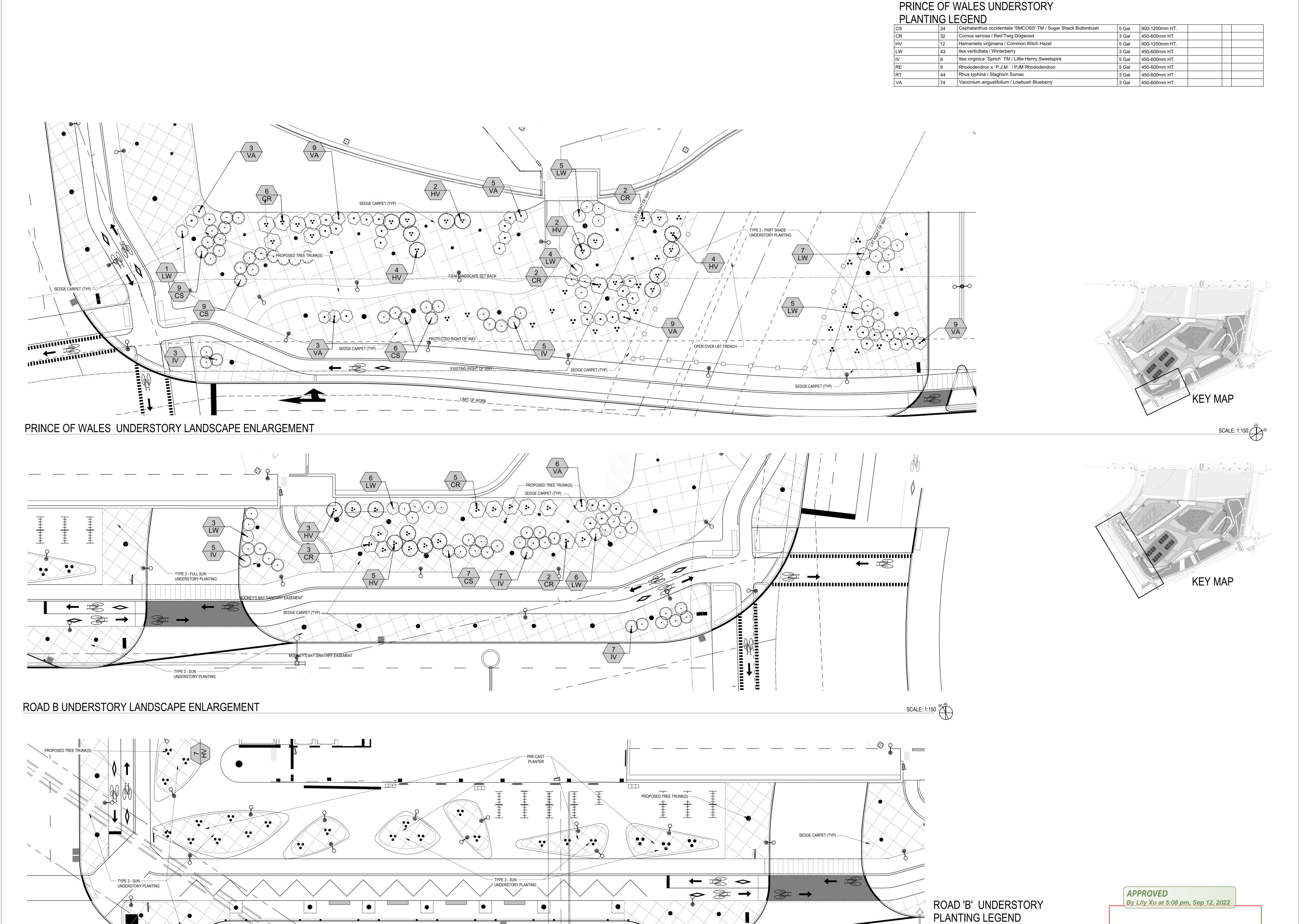


PUBLIC REALM GROUND PLANE UNDERSTORY LANDSCAPE PLANTING PLAN ENLARGEMENTS

LP-202

SCALE: 1:150

oject Status Progress Submission





The Ottawa Hospital
New Civic Development
Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
Plumbing Engineer
Equipment Planner

Robert Malloy
Jason-Emery Gro
Project Architect
Jeff Fahs
Civil Engineer
LEA Engineering
Smith + Anderse
Smith + Anderse
Interior Designer
Equipment Planner

Sheet Reviewer Author

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Project Number 10305 Original Issue Septer



PUBLIC REALM GROUND
PLANE UNDERSTORY
LANDSCAPE PLANTING
PLAN ENLARGEMENTS

LP-203

LILY XU, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW SOUTH

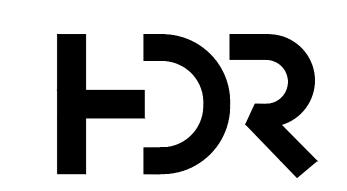
PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

SCALE: 1:150

Project Status
Progress Submission

ROAD B UNDERSTORY LANDSCAPE ENLARGEMENT





Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Wayfinding

Sheet Reviewer

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Equipment Planner

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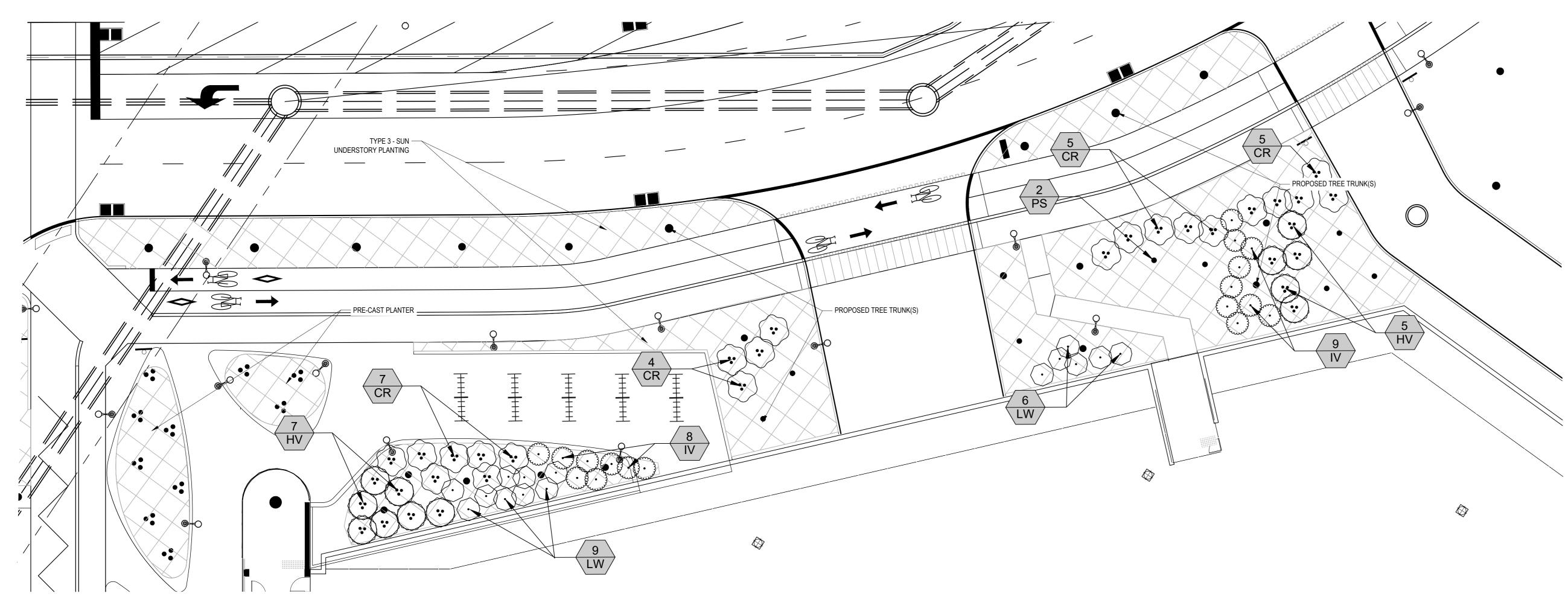
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 2021-06-18
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PUBLIC REALM GROUND PLANE UNDERSTORY LANDSCAPE PLANTING PLAN ENLARGEMENTS

LP-204

Progress Submission



KEY MAP

ROAD 'A' UNDERSTORY PLANTING LEGEND

SCALE: 1:150

HRUBS	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT	REM
२	21	Cornus sericea / Red Twig Dogwood	3 Gal	450-600mm HT.		
/	12	Hamamelis virginiana / Common Witch Hazel	5 Gal	900-1200mm HT.		
V	15	Ilex verticillata / Winterberry	3 Gal	450-600mm HT.		
	17	Itea virginica `Sprich` TM / Little Henry Sweetspire	5 Gal	450-600mm HT.		

ROAD A LANDSCAPE ENLARGEMENT - UNDERSTORY





The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

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DEVELOPMENT
FOR THE OTTAWA HOSPITAL

NOUVEAU
CAMPUS
DE L'HÔPITAL D'OTTAWA

Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Smith + And

Civil Engineer
LEA Engineering
Smith + Andersen
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

Sheet Reviewer Author

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ject Number 10305722 ginal Issue September 2



Sheet Name

GREEN ROOF OVERSTORY PLANTING PLAN

LP-301

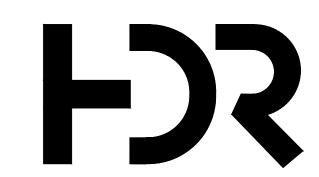
roject Status Progress Submission



P4 INTENSIVE ROOF PLANTING -



MEDIUM TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
AP	9	Acer pensylvanicum / Striped Maple	B & B	3000-3600mm HT.	Multi-Ster
	•		•		
SMALL TREES	QTY	BOTANICAL / COMMON NAME	CONT	SIZE	HABIT
RP2	2/	Betula papyrifera / Paper Birch	R & B	5500-7000mm HT	Multi-Ster



Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



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Civil Engineer
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Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Groet
Project Architect
Civil Engine Service Architect
LEA Engineer
Smith + Andersen
Smith + Andersen
Interior Designer
Equipment Planner
HDR

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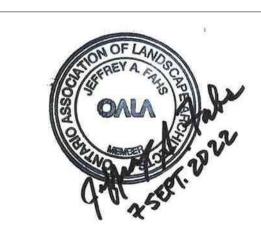
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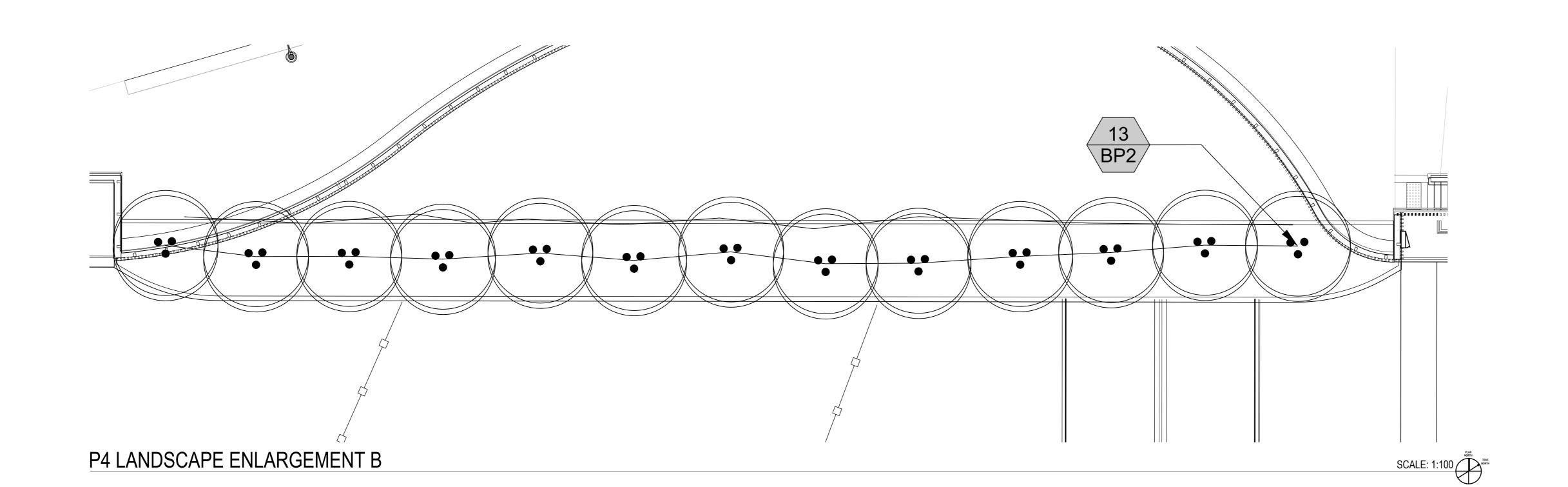
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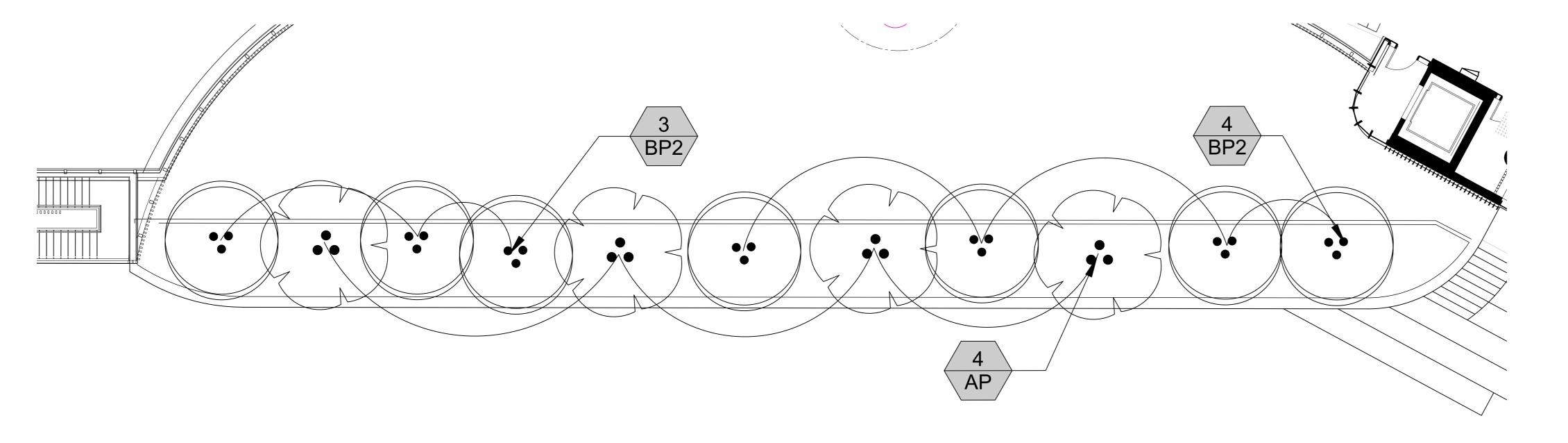


P4 OVERSTORY
LANDSCAPE PLANTING
PLAN ENLARGEMENTS

Sheet Number
LP-302

Progress Submission





P4 LANDSCAPE ENLARGEMENT C



APPROVED

By Lily Xu at 5:09 pm, Sep 12, 2022

SCALE: 1:100



Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

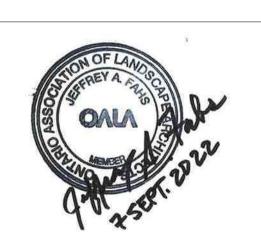
NEW CAMPUS
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 ISSUED FOR SD SUBMISSION

Project Number Original Issue



MIXED FERNS

Matteuccia struthiopteris / Ostrich Fern

Athyrium filix-femina / Lady Fern

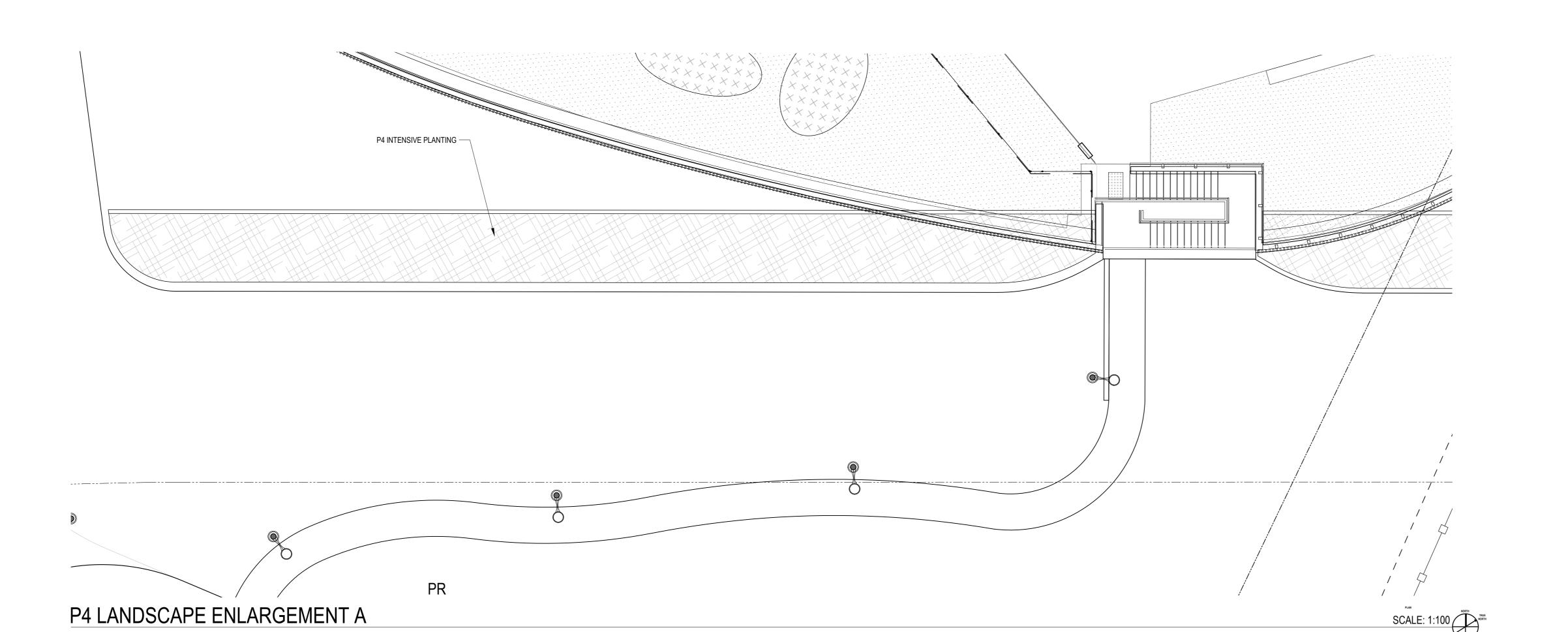
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GREEN ROOF UNDERSTORY PLANTING PLAN

LP-401

Progress Submission

GREEN ROOF PLANTING PLAN - UNDERSTORY



P4 INTENSIVE PLANTING —

P4 LANDSCAPE ENLARGEMENT B

P4 LEVEL PLANTING LEGEND





HDR Architecture Associates Inc. 300 Richmond Road, Suite 200 Ottawa, Ontario K1Z 6X6

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



Project Manager
Project Designer
Project Architect
Landscape Architect
Civil Engineer
Structural Engineer
Mechanical Engineer
Electrical Engineer
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Interior Designer
Equipment Planner
Wayfinding

Robert Malloy
Jason-Emery Groe
Project Architect
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Civil Engineer
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Smith + Andersen
Smith + Andersen
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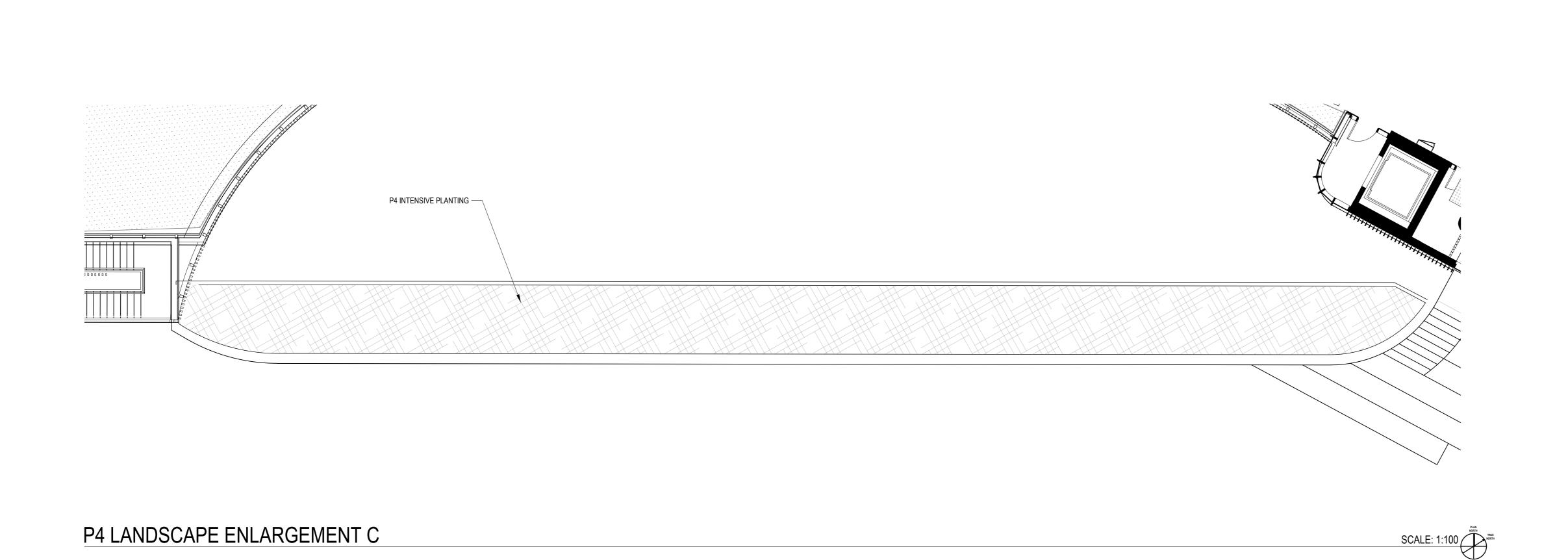
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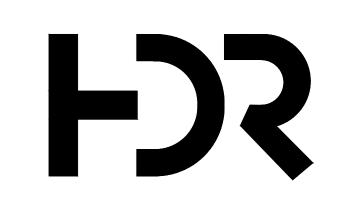


P4 UNDERSTORY
LANDSCAPE PLANTING
PLAN ENLARGEMENTS

Sheet Number
LP-402

roject Status Progress Submission

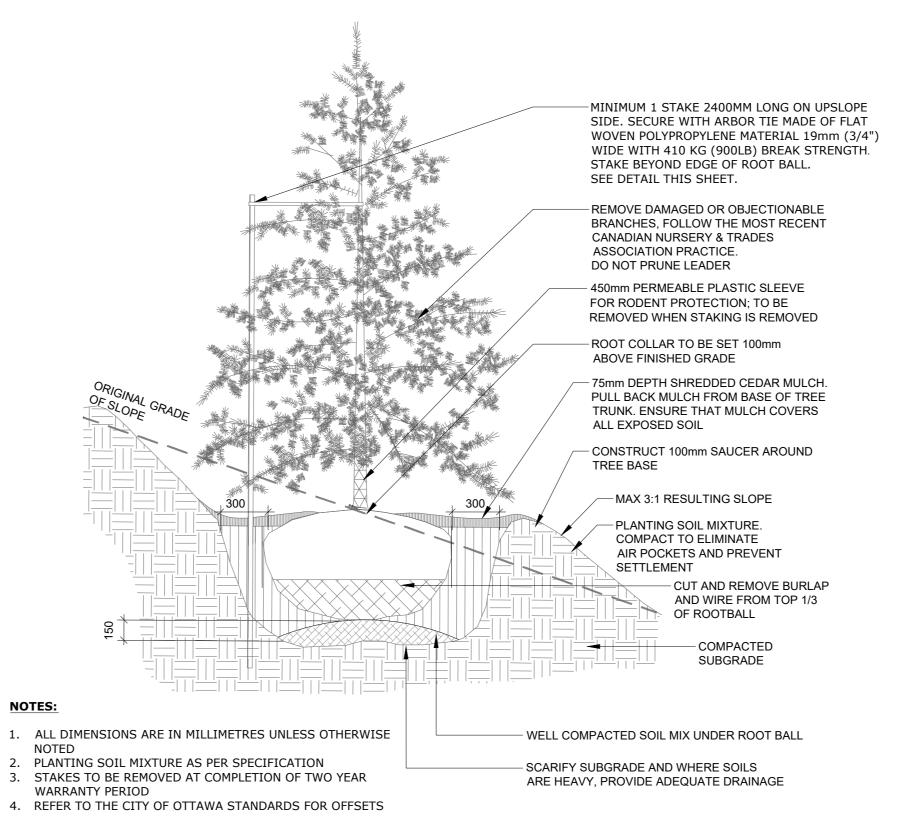




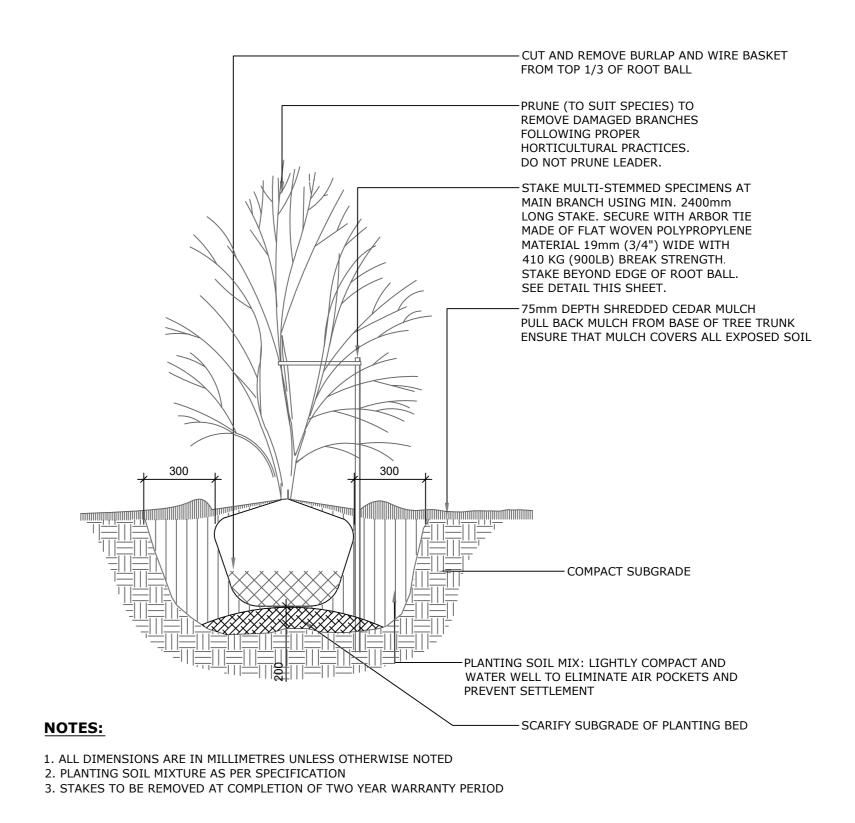
 ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED PLANTING SOIL MIXTURE AS PER REMOVE DAMAGED OR OBJECTIONABLE SPECIFICATION BRANCHES, FOLLOW THE MOST RECENT STAKES TO BE REMOVED AT CANADIAN NURSERY & TRADES COMPLETION OF TWO YEAR ASSOCIATION PRACTICE. WARRANTY PERIOD DO NOT PRUNE LEADER 4. REFER TO THE STREET TREE PLANTING MANUAL AND /OR PARKS MINIMUM 1 STAKE 2400MM LONG ON AND PATHWAYS MANUAL FOR NEW UPSLOPE SIDE. SECURE WITH ARBOR DEVELOPMENTS FOR OFFSETS FROM TIE MADE OF FLAT WOVEN OTHER ELEMENTS POLYPROPYLENE MATERIAL 19mm (3/4") WIDE WITH 410 KG (900LB) BREAK STRENGTH. STAKE BEYOND EDGE OF ROOT BALL. SEE DETAIL THIS SHEET. 450mm PERMEABLE PLASTIC SLEEVE FOR RODENT PROTECTION; TO BE REMOVED WHEN STAKING IS REMOVED -CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 1/3 OF ROOT BALL 75mm MIN. DEPTH SHREDDED CEDAR MULCH. PULL BACK MULCH FROM BASE OF TREE TRUNK. ENSURE THAT MULCH COVERS ALL EXPOSED SOIL BUILT UP AREA TO PROVIDE A 100mm MIN. SAUCER - MAX 3:1 RESULTING SLOPE -PLANTING SOIL MIXTURE. COMPACT TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT -UNDISTURBED SUBGRADE — SCARIFY SUBGRADE AND WHERE SOILS ARE

TYPICAL DECIDUOUS TREE ON SLOPE PLANTING DETAIL

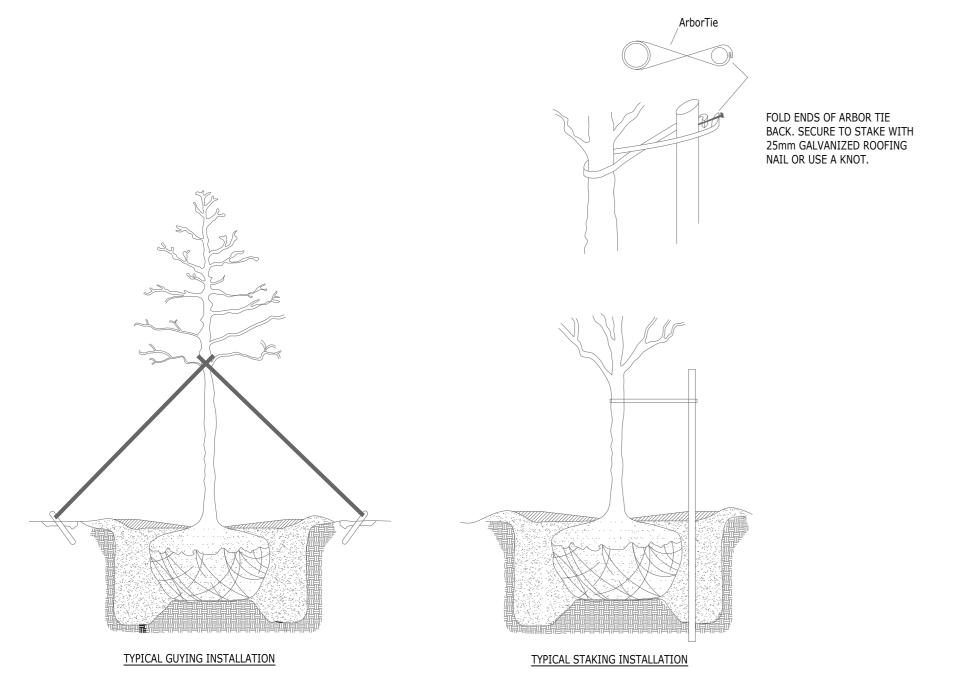
HEAVY, PROVIDE ADEQUATE DRAINAGE



TYPICAL CONIFEROUS TREE ON SLOPE PLANTING DETAIL

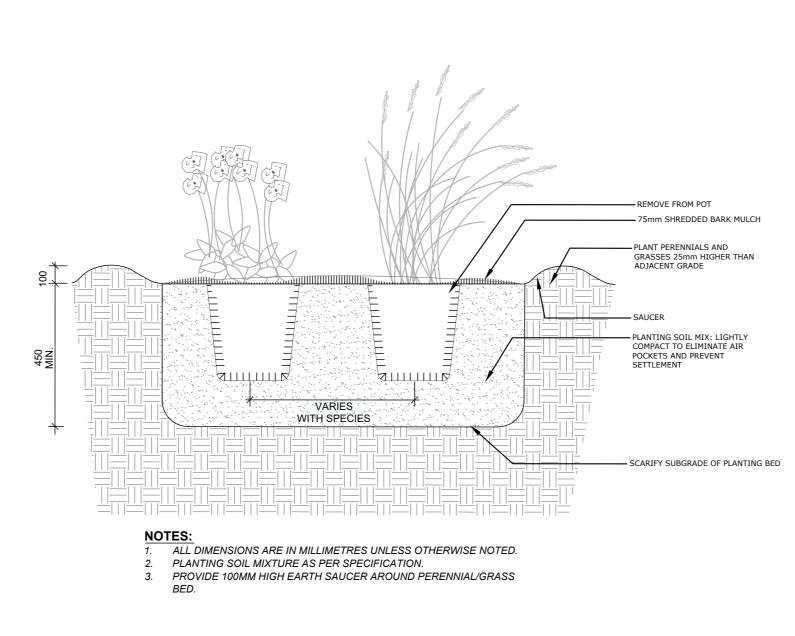


TYPICAL MULTI-STEM TREE PLANTING DETAIL

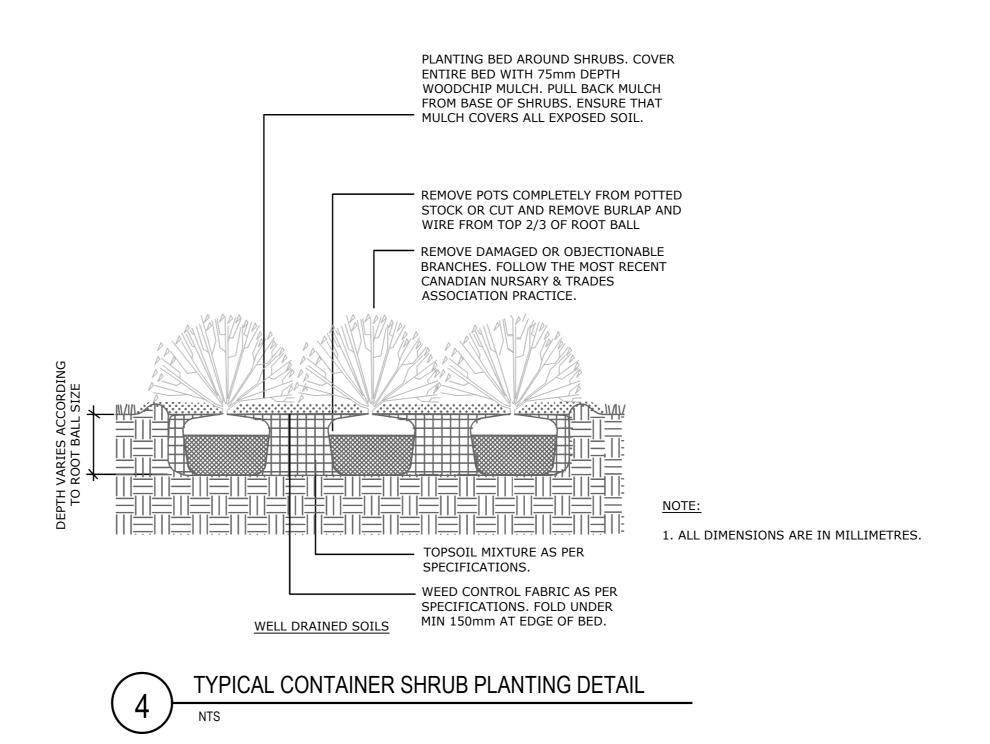


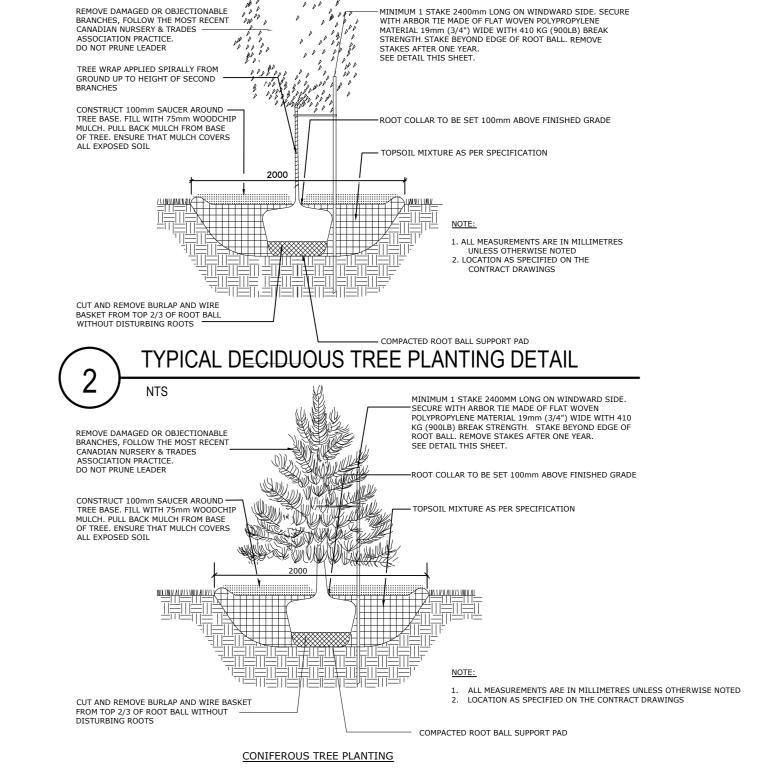
1. STAKING AND GUYING MATERIAL IS TO BE FLAT WOVEN POLYPROPYLENE MATERIAL. 19.05MM (3/4") WIDE 410 KG (900 LB.) BREAK STRENGTH. 2. ARBOR TIES SHALL BE FASTENED TO STAKES IN A MANNER WHICH PERMITS TREE MOVEMENT AND SUPPORTS THE TREE. 3. STABILIZATION SHOULD ONLY BE UNDERTAKEN WHEN NECESSARY, NOT AS A DEFAULT PRACTICE. WHEN WARRANTED AND IMMEDIATELY FOLLOWING PLANTING (E.G. AT WINDY SITES; FOR VERY TALL TREES, I.E. DECIDUOUS OVER 100 MM N CALIPER AND CONIFEROUS TREES OVER 300 CM TALL; IN AREAS WHERE THEY MAY GET PUSHED OVER), TREES SHOULD BE STABILIZED USING NON-DAMAGING METHODS, ALLOWING FREE MOVEMENT FOR TRUNK TAPER AND CROWN DEVELOPMENT. THE THREE MOST COMMON TECHNIQUES FOR STABILIZING TREES ARE STAKING, GUYING AND ROOT BALL ANCHORING.

TREE STAKING AND GUYING DETAIL



TYPICAL PERENNIAL 4" POT PLANTING DETAIL





MINIMUM 1 STAKE 2400mm LONG ON WINDWARD SIDE. SECURE WITH ARBOR TIE MADE OF FLAT WOVEN POLYPROPYLENE MATERIAL 19mm (3/4") WIDE WITH 410 KG (900LB) BREAK STRENGTH. STAKE BEYOND EDGE OF ROOT BALL. REMOVE

TYPICAL CONIFEROUS TREE PLANTING DETAIL

The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9

NEW CAMPUS NOUVEAU POR THE OTTAWA HOSPITAL

CAMPUS
DE L'HÔPITAL D'OTTAWA

Robert Malloy

Jason-Emery Groen **Project Designer** Project Architect **Project Architect** Jeff Fahs Landscape Architect Civil Engineer LEA Engineering Structural Engineer Smith + Andersen Mechanical Engineer Smith + Andersen Electrical Engineer Plumbing Engineer Smith + Andersen Interior Designer Interior Designer Equipment Planner Equipment Planner Wayfinding Sheet Reviewer Author

Project Manager

MARK DATE DESCRIPTION

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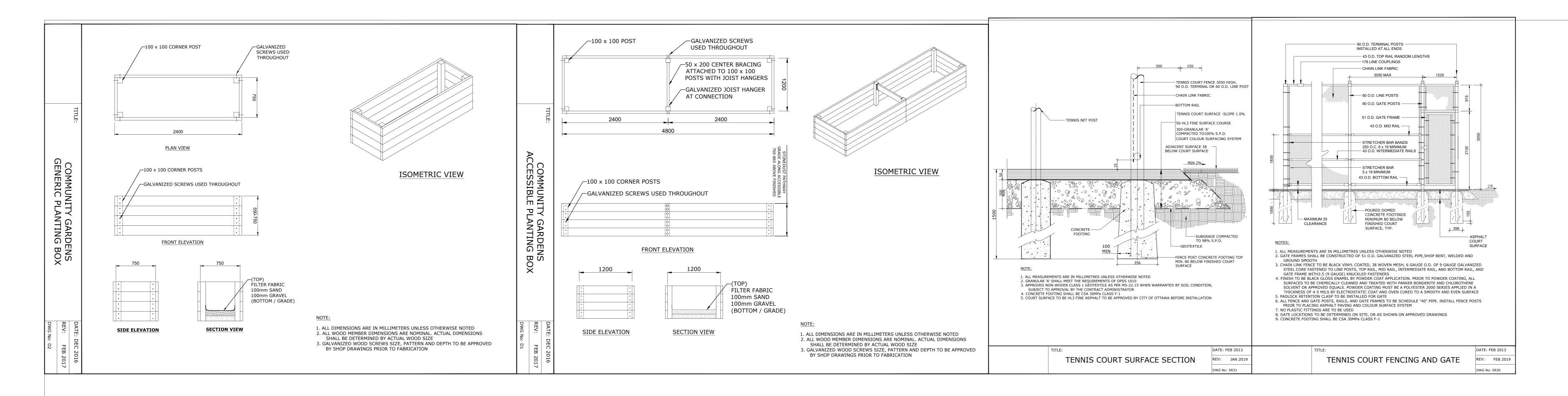
Project Number Original Issue September 2021

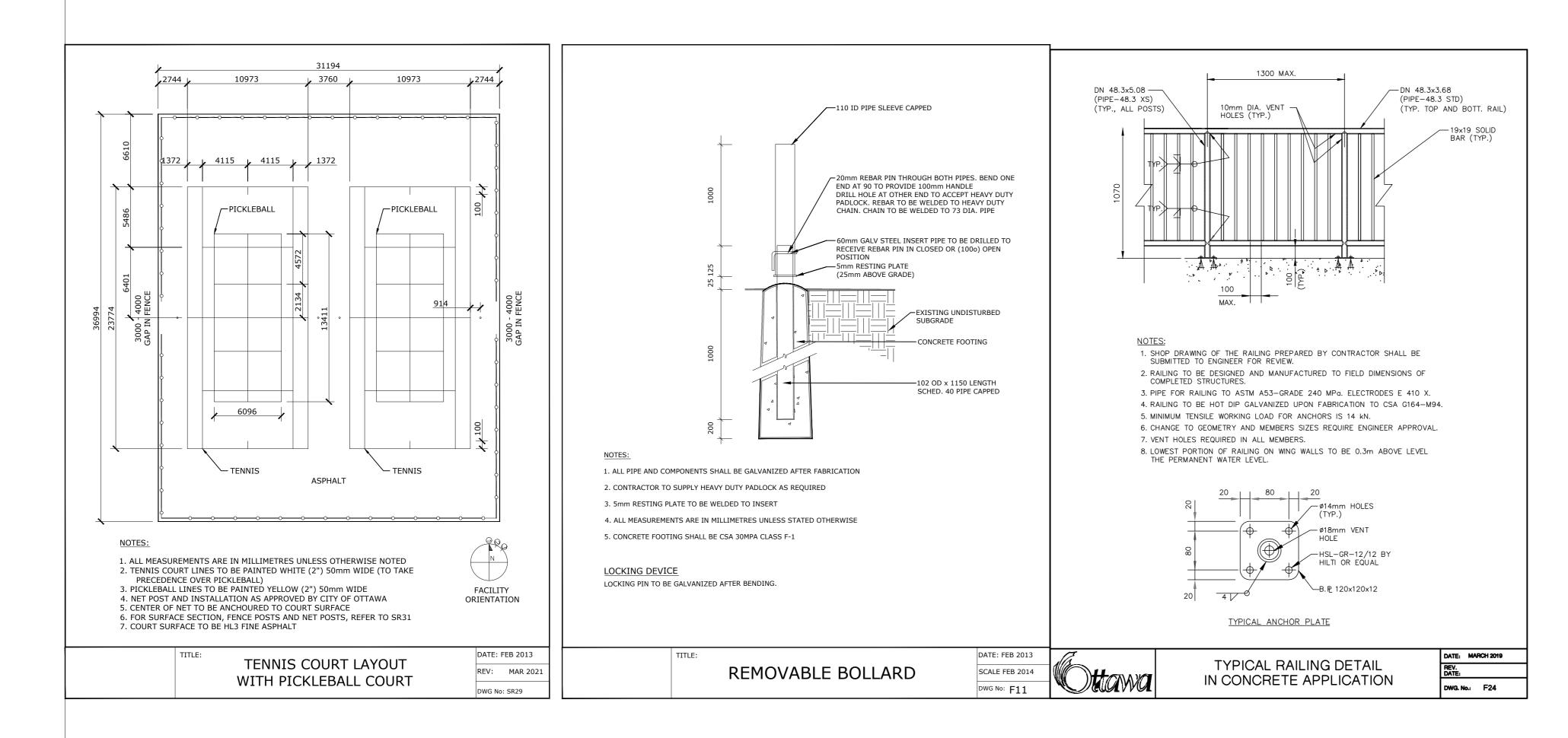


GROUND PLANE

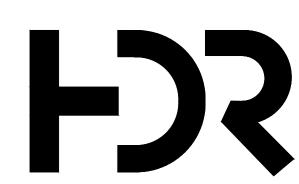
PLANTING DETAILS

Sheet Number **LP501**











The Ottawa Hospital New Civic Development Parking Garage

930 Carling Avenue & 520 Preston Street, Ottawa, ON, K1Y 4E9



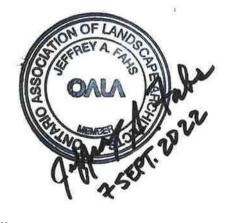
Project Designer Project Architect Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Jason-Emery Groen Project Architect Jeff Fahs Civil Engineer LEA Engineer Smith + Andersen Smith + Andersen Interior Designer Equipment Planner	
Landscape Architect Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Jeff Fahs Civil Engineer LEA Engineering Smith + Andersen Smith + Andersen Interior Designer Equipment Planner	Jason-Emery Groen
Civil Engineer Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Civil Engineer LEA Engineer Smith + Andersen Smith + Andersen Interior Designer Equipment Planner Equipment Planner	Project Architect
Structural Engineer Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner LEA Engineering Smith + Andersen Smith + Andersen Interior Designer Equipment Planner	Jeff Fahs
Mechanical Engineer Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Smith + Andersen Smith + Andersen Interior Designer Equipment Planner	Civil Engineer
Electrical Engineer Plumbing Engineer Interior Designer Equipment Planner Smith + Andersen Interior Designer Equipment Planner Equipment Planner	LEA Engineering
Plumbing Engineer Interior Designer Equipment Planner Smith + Andersen Interior Designer Equipment Planner	Smith + Andersen
Interior Designer Equipment Planner Equipment Planner	Smith + Andersen
Equipment Planner Equipment Planner	Smith + Andersen
_4	Interior Designer
	Equipment Planner
Wayfinding HDR	HDR
Sheet Reviewer Author	Author
	DESCRIPTION

Project Manager

Robert Malloy

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GREEN ROOF DETAILS

Sheet Number **LP601**