TECHNICAL MEMORANDUM

DATE April 14, 2023 **Project No.** 19127064

TO Pamela Whyte, MCIP, RPP, Manager of Planning
Parsons Corporation

CC Joel Konrad, PhD, CAHP, Senior Cultural Heritage Specialist, WSP

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ADDENDUM # 2: CULTURAL HERITAGE IMPACT STATEMENT FOR NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL, 930 CARLING AVENUE AND 520 PRESTON STREET, CITY OF OTTAWA, ONTARIO (REVISED)

1.0 INTRODUCTION

In September 2022, Golder Associates Ltd. (Golder; now known as WSP Canada Inc.) was retained by Parsons Inc. (Parsons) to prepare a second addendum to the Cultural Heritage Impact Statement (CHIS) produced by Golder in May 2021, revised in July 2021, and accepted by the approval authorities as part of the New Campus Development for The Ottawa Hospital (the "Hospital") Master Site Plan application (the revised July 2021 CHIS is herein referred to as the CHIS).

For the submission of the Site Plan Application and Federal Land Use Approval for the Hospital and Central Utility Plant (CUP), the design concept (Attachment 2) has been further refined since the CHIS was completed in July 2021. As such, this addendum will address whether there are any impacts to the cultural heritage value or interest of the Rideau Canal National Historic Site of Canada (NHSC) and World Heritage Site (WHS), the Canadian Experimental Farm (CEF) NHSC and the federally designated buildings within the CEF NHSC and provide mitigation measures and recommendations, if appropriate.

This CHIS addendum must be read in conjunction with the CHIS to understand the overall development, study methodology and all recommendations for the development. Any recommendations resulting from this CHIS addendum are specific to the Hospital and CUP phases of development (Phases 3 and 4).

In addition to the study methodology outlined in the CHIS, the City, NCC and Parks Canada provided specific direction for the CHIS addendum (Attachment 1) to consider and address the following:

- Landscape Plan
  - Consider how the proposal protects the CEF's rural picturesque character and value as a 'farm within the city' through its landscaping on its east, west and south borders using trees or other landscape features to reduce the impact to existing views of the CEF NHSC from the Rideau Canal NHSC and WHS, Prince of Wales Drive section of the Queen Elizabeth Driveway cultural landscape, and the William Saunders Building Recognized Federal Heritage Building.

- Transportation and parking
  - Use of Maple Drive.
    - Consideration of potential impacts from use of Maple Drive as an emergency vehicle route.
  - Location and visual screening of surface parking.
- Impact on the Dominion Observatory Complex
  - Potential construction impacts.
  - Isolation of the Dominion Observatory Complex from its surroundings.
  - Obstruction or diminishment of significant views of the Dominion Observatory dome as a landmark.
  - Obstruction or impact to views of the night sky from the Dominion Observatory Dome.
  - Impact of the lighting plan.
- Consideration of impacts to the following views:
  - Views from Prince of Wales Scenic Entry – include views toward proposed loading dock.
  - Views from entrance to Queen Elizabeth Drive/Dows Lake (at Preston Street / Prince of Wales Drive).
  - Views from Dow's Lake to main hospital building.
  - Views from Carling Avenue both east and west of the main hospital building.
  - Views identified in Commemorative Integrity Statement for Central Experimental Farm.
  - Views from adjacent CEF heritage buildings (e.g., Dominion Observatory Complex, William Saunders Building, along Commissioners Drive / and or Maple Drive).
  - Views identified in NCC Visual Assessment Views Analysis (2009 and 2013).
  - Views from/along the Rideau Canal including from Commissioner's Park, Hartwells Lockstation and Colonel By Drive (assessed for the Master Site Plan and Parking Garage applications).

The City, NCC and Parks Canada have reviewed a draft of this CHIS addendum and provided comments, which have been reviewed and addressed in this revised addendum.

In addition to the CHIS addendum, the City, NCC and Parks Canada also requested the preparation of a Heritage Protection Plan to ensure appropriate conservation of the adjacent heritage buildings during construction. WSP concurs that a Heritage Protection Plan should be completed but recommends it be a compilation of pre-construction mitigation plans prepared by the contractor and that this be completed as a condition of Site Plan Control and Federal Land Use Approval prior to construction.

2.0 Hospital and Central Utility Plant Design Concept, November 2022

A Site Plan application has been submitted for phases 3 and 4 of development of the New Campus Development for The Ottawa Hospital, which consists of the Hospital and the Central Utility Plant (CUP). The new hospital building will be approximately 2.5 million square feet with inpatient and ambulatory care. It will include outpatient, inpatient, diagnostic and treatment facilities in addition to research and education. The location of the Hospital building was approved and is bounded by the Dominion Observatory campus lands to the west, the Central Experimental Farmlands to the south, Prince of Wales Drive to the East and mature tress of the natural escarpment to the North. The Hospital is positioned at the top of the hill, west of the escarpment, facing mature trees. Set at 80.36 m in elevation, the main entrance to the Hospital is located at the Hospital Level 1. Below Hospital Level 1, Level E1 at 75.36 metres in elevation is the floor for the Emergency Department, is an entrance at the north side of the hospital, as well as the emergency vehicle entrance to the south. A servicing and loading area is accessed off of Prince of Wales Drive and will have 19 spaces for loading docks and 18 additional parking spaces for deliveries. The Hospital building will reflect a contemporary design, with an irregular footprint, three storeys (above grade) in the central portion of the building and eight storeys on the south tower and 12 storeys on the north tower. The design consists of wall panels interspersed with large rectangular windows.

The Central Utility Plan (CUP) will serve the vital functions of the hospital operations and will be located southwest of the hospital building. The roof elevation of the CUP will be below the elevation of Maple Drive and will accommodate a parking area. Parking on top of the CUP will provide spaces for Hospital staff and service providers and access will be from Prince of Wales Drive.

The primary new public realm developments of phase 3 and 4 consist of a public entrance to the Hospital, a main entry plaza, stone contemplation garden, woodland walk around the Hospital and the associated streetscapes of Roads A and B. The Project Development Team has been working with the Indigenous Peoples Advisory Circle (IPAC) to advise on commemoration / interpretation opportunities both inside and outside the Hospital.

In addition to above the CUP, there will also be small surface parking areas between Tower A and the Dominion Observatory Complex, at the main public entry, at the south end of the site bordered by Road E (generally within the footprint of the future Heart Institute) as well as a loading zone south of Tower B. A combination of existing and additional landscaping consisting of mixed woodland canopy trees, mixed woodland and middlestory trees and alvar grassland trees will provide a natural buffer to shield views to the surface parking areas and the loading zone (Attachment 4 and 5). Some examples of deciduous trees include sugar maples, red oaks and white birches; coniferous trees include eastern white pine, eastern red cedar, mixed wood understory include bearberry and trillium, co-dominant understory include tufted hairgrass, and mapleleaf. From a natural environment perspective, a 40-year canopy cover is being targeted for the site. The maturation of species is dependent on many factors and for trees a minimum of 10 years is anticipated. Appropriate maintenance and healthy soils can support healthy growth, however speeding up growth significantly is not feasible. For this reason, a mixture of coniferous and deciduous trees are proposed to ensure an ever-green appearance in four seasons.

New roads will be introduced around the Hospital and CUP to allow for internal circulation as well as public, staff and ambulatory access. Road B will be accessed off of Prince of Wales Drive between the Parking Garage and the Hospital providing public access to the Parking Garage and connect to Road A, which exits from Carling Avenue and leads to the Hospital's main public entrance. Road E is located south of the Hospital building and connects to Prince of Wales Drive to provide secondary emergency vehicle access. The primary emergency vehicle route will be along Maple Drive, accessed from Carling Avenue. The Project Development Team identified that separate accesses were a key design decision for emergency vehicle access to minimize public interaction

with the vehicles. An average of 100 emergency vehicle trips are expected a day, with 75% taking Maple Drive and 25% Prince of Wales Drive. The posted speed limit along Maple Drive is 30 km/h.

The lighting strategy for the Hospital plan has been intentionally designed to limit light pollution to the surrounding CEF farm property and adjacent federal heritage buildings, notably the Dominion Observatory Complex, while supporting safety and enhancing intuitive way finding, encouraging exploration of pathways, interaction with the natural environmental and cultural artwork displays. Proper placement and control of site lighting (e.g., colour, temperature) will enhance evening visibility outside while limiting light contribution to patients sleeping at night. Lighting fixtures will cast light downward in accordance with dark sky friendly protocols and dimming protocols during nighttime hours will be coordinated and approved by site security. The location of lighting and proposed light fixtures are outlined in the Electrical Site Plan (Attachment 3) and more detailed lighting plans will be prepared in the Developed Design phase of the project. In addition, the proposed use of electrochromic glass for the tower inpatient rooms of the Hospital will also reduce light spillage and is preferred over the use of curtains or blinds due to infection control and maintenance issues. Electrochromic glass is a dark sky-friendly lighting technology controlled via electrical power. The coating within an electrochromic glass unit changes the appearance and performance of the glass when power is applied. The resulting tinted glass creates a solution for solar shading in highly glazed spaces. As the colour of the glass units slowly change from transparent to dark blue, the light transmission and G factor (a measure of solar shading) change to provide a full light and solar shading solution from within the glass unit itself, negating the need for additional shading solutions like curtains and blinds (IQ Projects 2023). Although light can be controlled, views from within the Hospital to the surrounding landscape will be preserved and enjoyed by those inside the Hospital.

In terms of next steps, Development Design progression will include co-design opportunities with the proponent that will build upon the current schematic designs for the Hospital and CUP. It is at the Development Design stage that Detailed Design will take place and exploration of options for materiality and colour palette of the main Hospital building will be explored.

3.0 Impact of Proposed Hospital and Central Utility Plant

When determining the effects a development or site alteration may have on known or identified built heritage resources or cultural heritage landscapes, the City of Ottawa's *A guide to preparing cultural heritage impact statements* advises the following "adverse impacts" be considered:

- ***Demolition*** of any, or part of any, heritage attributes or features[1]
- ***Alteration*** that is not sympathetic, or is incompatible, with the historic fabric and appearance of a building[2]
- ***Shadows*** created that obscure heritage attributes or change the viability of the associated cultural heritage landscape[3]

[1] This is referred to as "destruction" in the MCM *Heritage Resources in the Land Use Planning Process* and used as an example of a *direct* impact in the MCM *Info Bulletin 3*.

[2] The example in the MCM *Heritage Resources in the Land Use Planning Process* does not include the work "building" and is a *direct* impact in the MCM *Info Bulletin 3*.

[3] In the MCM *Heritage Resources in the Land Use Planning Process* the shadow impact references altering "the appearance of a heritage attribute or change the viability of a natural feature or plantings, such as a garden". It is an *indirect* impact in the MCM *Info Bulletin 3*.

- ***Isolation*** of a heritage resource from its surrounding environment, context or a significant relationship[4]
- ***Obstruction*** of significant identified views or vistas within, from heritage conservation districts
- ***Obstruction*** of significant identified views or vistas within, from individual cultural heritage resources[5]
- ***A change in land use*** where the change affects the property's cultural heritage value [6]
- ***Land disturbances*** such as a change in grade that alters soils, and drainage patterns that adversely affect a cultural heritage resource[7]

Other potential impacts may also be considered such as encroachment or construction vibration. Historic structures, particularly those built of masonry, are susceptible to damage from vibration caused by pavement breakers, plate compactors, utility excavations, and increased heavy vehicle travel in the immediate vicinity. Like any structure, they are also threatened by collisions with heavy machinery, subsidence from utility line failures, or excessive dust.

Although the City's *A guide to preparing cultural heritage impact statements* and Ministry of Citizenship and Multiculturalism's (MCM; formerly Ministry of Heritage, Tourism, Culture and Sport) *Heritage Resources in the Land Use Planning Process* identify types of impact, they do not advise on how to describe their nature or extent. For this the MCM *Guideline for Preparing the Cultural Heritage Resource Component of Environmental Assessments* (1990:8) provides criteria of:

- ***Magnitude*** - amount of physical alteration or destruction that can be expected.
- ***Severity*** - the irreversibility or reversibility of an impact.
- ***Duration*** - the length of time an adverse impact persists.
- ***Frequency*** - the number of times an impact can be expected.
- ***Range*** - the spatial distribution, widespread or site specific, of an adverse impact.
- ***Diversity*** - the number of different kinds of activities to affect a heritage resource.

Since neither the MCM *Guideline* nor any other Canadian source of guidance include advice to describe magnitude, the ranking provided in the ICOMOS *Guidance on Heritage Impact Assessments for Cultural World Heritage Properties* (2011) is adapted here. Though developed specifically for World Heritage Sites, it is based on a general methodology for measuring the nature and extent of impact to cultural resources in urban and rural

[4] In the MCM *Heritage Resources in the Land Use Planning Process* this refers to isolation of a heritage attribute and is an *indirect* impact in the MCM *Info Bulletin 3*.

[5] In the MCM *Heritage Resources in the Land Use Planning Process* the impact example for "obstruction" is combined to "Direct or indirect obstruction of significant views or vistas within, from, or of built and natural features. It is an example of a *direct* and *indirect* impact in the MCM *Info Bulletin 3*. It is a direct impact when significant views or vistas within, from or of built and natural features are obstructed, and an indirect impact when "a significant view of or from the property from a key vantage point is obstructed".

[6] A change in land use in the MCM *Heritage Resources in the Land Use Planning Process* uses the examples of "such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces". A *direct* impact in the MCM *Info Bulletin 3*.

[7] No change from the MCM *Heritage Resources in the Land Use Planning Process*, although in the latter this refers only to archaeological resources. In the MCM *Info Bulletin 3* this is an example of a *direct* impact to "provincial heritage property, including archaeological resources".

contexts developed for the UK Highways Agency *Design Manual for Roads and Bridges* [DMRB]*: Volume 11*, HA 208/07 (2007: A6/11) (Bond & Worthing 2016:166-167) and aligns with approaches developed by other national agencies such as the Irish Environmental Protection Agency (reproduced in Kalman & Létourneau 2020:390) and New Zealand Transport Agency (2015).

The ICOMOS impact assessment ranking is:

- **Major**
  - Change to key historic building elements, such that the resource is totally altered.
  - Comprehensive changes to the setting.
- **Moderate**
  - Changes to many key historic building elements, such that the resource is significantly modified.
  - Changes to the setting of an historic building, such that it is significantly modified.
- **Minor**
  - Change to key historic building elements, such that the asset is slightly different.
  - Change to the setting of an historic building, such that it is noticeably changed.
- **Negligible**
  - Slight changes to historic building elements or setting that hardly affect it.
- **No impact**
  - No change to fabric or setting.

Unlike the MCM's guidance, the City of Ottawa's *A guide to preparing cultural heritage impact statements* also provides the examples of "positive impacts" but these appear to be limited to assessments for "cultural heritage resources districts".

Table 1 addresses impacts of the refined design for the Hospital and CUP, and must be read in conjunction with the CHIS to understand the full extent of impacts the New Campus Development of The Ottawa Hospital will have on identified cultural heritage resources. More detailed explanation of the recommended mitigation measures is included in Section 4.

Table 1: Impact Assessment and Recommended Conservation / Mitigation Measures for the Hospital and CUP Design Concept, November 2022

Adverse Impact Example	Analysis of Impact	Summary of impact *without* mitigation	Mitigation Recommendation
Demolition of any, or part of any, heritage attributes or feature	As outlined in the CHIS, the construction of the Hospital will involve demolition of the courts and clubhouse of the DARA Tennis Club, but these are not considered to be heritage attributes or character-defining elements of the CEF NHSC. As such, the project will not involve demolition of any, or part of any, significant heritage attributes or character-defining features of the property including the William Saunders Building, structures within the Dominion Observatory Campus or features associated with the CEF NHSC. Neither will it demolish any part of the Rideau Canal NHSC/WHS as the Site is outside the 30-m buffer zone.	No impact	No mitigation recommended.
Alteration that is not sympathetic, or is incompatible, with the historic fabric and appearance of a building	As outlined in the CHIS, the construction of the Hospital and CUP will not result in the alteration of the adjacent built heritage resources including the Federal Buildings in the CEF. While not an alteration to a building, the construction of the Hospital and CUP will alter the appearance of the cultural landscape of the CEF NHSC. While the construction of the Hospital building with its towers will change the open and treed area of the informal park at the northeast portion of the CEF NHSC, the original landscape character in this area has been altered by the clearance for construction of the 11-storey Sir John Carling Building and associated annexes in 1967 (demolished in 2014) and parking areas. The design of the Hospital building reflects a contemporary design with the use of wall panels and glazing. Given the general form and height of the Hospital was approved in the Master Site Plan application, a reduction in the height of the hospital towers is not recommended. In an effort to remain consistent with heritage best practices, the schematic design for the Hospital development is distinguishable from the surrounding built heritage resources through its contemporary design and materials. Efforts have been made to locate as much of the Hospital and CUP below grade as possible to mitigate impacts related to height and massing. During the Developed Design phase of the project, further refinement of materiality and colour palette will be explored. The use of more neutral colours may provide a stronger link to the CEF and allow the building to blend into the surroundings and enhance key views more sympathetically. These design considerations will help ensure the Hospital design is more compatible and subordinate to the character of the CEF and adjacent built heritage resources, such as the Dominion Observatory Complex and other federal heritage buildings. Maintenance of the Central Experimental Farm's rural picturesque character and value as a 'farm within the city' was identified as a recommendation in the CHIS. The landscape plan (Attachment 4) includes large planting areas with native wood plain species in combination with lawn, plaza and paths to maintain the rural picturesque character of the area. The Ottawa Hospital is committed to achieving a 40% tree canopy over 40 years and will work with surrounding land owners if a 40% tree canopy cover is not possible on the Hospital site. Efforts will also be made to save as many of the existing trees as possible through surveys and inventories, especially trees between the Hospital and surrounding streets, such as Birch and Maple Drives. As part of the Hospital and CUP development, there will be two new intersections along Prince of Wales Drive to connect Road B and Road E. Prince of Wales Drive is included in the Queen Elizabeth Driveway Cultural Landscape and its two primary values are its capital place-making and urban beautification. Road B replaces a road that historically connected to the John Carling Building. It will move the intersection slightly south, but the overall impact of the shifted intersection on the Queen Elizabeth Driveway Cultural Landscape is considered negligible. The overall spatial structure of Prince of Wales Drive, including the park-like spaces on either side of the road is included as a character-defining element. Road E will require creating a curb cut along Prince of Wales Drive and removing some of the park-like vegetation to accommodate the new road. The overall magnitude of the impact is considered to be minor as it will only impact a small part of the drive and the park-like setting will be maintained by the retention and enhancement of vegetation along Prince of Wales Drive. The Electrical Site Plan (Attachment 3) shows the locations and proposed light fixtures on the Hospital site. The lighting has been consciously designed to limit light pollution in keeping with dark sky and bird friendly practices. Where possible, exterior lights will be dimmed between midnight and 5 pm to as much as 50%. In addition, electrochromic lighting is proposed for use in the inpatient towers of the Hospital to further mitigate light spillage while maintaining views from inside the Hospital to the surrounding landscape. The lighting plan will not impact any heritage attributes or character defining elements of the CEF NHSC, Rideau Canal NHSC/WHS, Prince of Wales Cultural Landscape or surrounding Federal Heritage Buildings, however, consideration of the lighting plan on the Dominion Observatory Dome views is discussed under 'Obstruction' below. More detailed lighting plans will be prepared in the Developed Design phase of the project.	Moderate, irreversible and direct impact that is site-specific and permanent, and will occur continually over a long period of time.	During the Developed Design phase, further refinement of materiality and colour palette (more neutral colours) should be explored to ensure the Hospital design is more compatible and subordinate to the character of the CEF and adjacent built heritage resources. The proposed landscape treatment has taken cues from the existing vegetation within the CEF NHSC and Arboretum and reflects and protects the CEF NHSC's rural picturesque character to enhance the "farm in the city". No additional mitigation measures are recommended.

Adverse Impact Example	Analysis of Impact	Summary of impact *without* mitigation	Mitigation Recommendation
Shadows created that obscure heritage attributes or change the viability of the associated cultural heritage landscape	The Sun and Shadow Study for the Hospital Building and CUP illustrates the expected shadows on March 1, June 1, September 1 and December 1 (Attachment 2). Shadows are minimal in June and September, but they do extend to cover an east portion of the Dominion Observatory Complex on March 1 at 9 am, and December 1st at 9 am. Nevertheless, the west portion of the Dominion Observatory will not be impacted by shadows from the Hospital building for an extended period of time and the shadow will not impact use of the building nor obscure the character defining elements. Shadows will be cast on Prince of Wales Drive between 3pm and beyond 6 pm on December 1 and around 6 pm on March 1 by Tower B and the plantings along Prince of Wales Drive. Shadows noted for the Winter (December 1) are considered negligible given the sun typically sets by 4:30 pm at this time of year. Shadows noted for the Spring (March 1) around 6 pm are similarly considered negligible as the sun typically sets shortly after 6 pm at this time of year. Furthermore, the shadows will not obscure the heritage attributes along Prince of Wales Drive that consist of park-like spaces on either side of the road. Shadows will not extend to the Rideau Canal NHSC/WHS.	No impact.	No mitigation recommended
Isolation of a heritage resource or part thereof from its surrounding environment, context or a significant relationship	The development will result in the isolation of the Dominion Observatory Complex from the CEF due to the presence of the Hospital building, as well as the use of Maple Drive for emergency vehicles. Section 4.1 of the Commemorative Integrity Statement (CIS) for the CEF identifies the significance of federal heritage buildings within the CEF NHSC, noting “the Observatory Complex at the north end of the property…reflects the historic character of its surroundings as a ‘scientific campus’ and contributes to the character of the Central Experimental Farm.” Additionally, in the “Reasons for Designation” in its Heritage Character Statement, the Dominion Observatory Complex (Dominion Observatory, South Azimuth Building and Photo Equatorial Building) is noted to have intrinsic value enhanced by the integrity of the campus-like setting and harmonious relationship with the surrounding CEF. Although the Dominion Observatory Complex is not proposed to be directly impacted by the development, its connection to the CEF will be impacted. The Ottawa Hospital has been working with AAFC on mitigation measures related to the use of Maple Drive for emergency vehicles to ensure protection of heritage buildings including a De-icing Strategy, use of non-visually intrusive bollards, the requirement for emergency vehicles to cease use of sirens when they reach the Hospital lease boundary, and an operational requirement for all non-emergency trips to/from the Hospital to use Prince of Wales Drive (Road E) access. Otherwise, the Hospital and CUP will not result in the isolation of any heritage resource or part thereof from its surrounding environment, context or a significant relationship. As noted in the CHIS, while the Hospital and CUP are located between the Dominion Observatory Complex and the Rideau Canal NHSC/WHS, there is no historical evidence to suggest that these two places share a significant physical, visual or contextual relationship. Although the dome of the Dominion Observatory can be seen today from several vantage points on the east side of Dow’s Lake, and from Commissioners Park and Prince of Wales Drive, there is no reference to the significance of these views in the Dominion Observatory Heritage Character Statement, which refers only to its environmental value as “visually prominent by virtue of its distinctive design, massing, materials and location” and “its visual prominence owing to its distinctive design, massing, materials and location.” There is also no reference to the significance of distant views of the dome in the Heritage Character Statement for the Dominion Observatory Complex, the CEF NHSC Management Plan and CIS, the Rideau Canal Landscape Strategy, nor the Queen Elizabeth Driveway Statement of Significance (SOS). The Project will be located between the rear elevation of the William Saunders Building from the Dominion Observatory Campus, but here too there is no evidence in the heritage character statements of the William Saunders Building, Dominion Observatory, and Dominion Observatory Complex, as well as the CEF NHSC Management Plan and CIS, to suggest the buildings in these two locations share a significant relationship, nor that developing the area between them represents isolation of either building or the Campus from its surrounding environment or context.	Minor, reversible and indirect impact that is site-specific and permanent, and will occur continually over a long period of time	During the Developed Design phase, further refinement of materiality and colour palette (more neutral colours) should be explored to ensure the Hospital design is more compatible and subordinate to the character of the CEF and adjacent Dominion Observatory Complex. The proposed landscape treatment has taken cues from the existing vegetation within the CEF NHSC and Arboretum and reflects and protects the CEF NHSC’s rural picturesque character and Dominion Observatory Complex’s harmonious relationship with the CEF. The Ottawa Hospital is working with AAFC on mitigation measures related to the use of Maple Drive for emergency vehicles to ensure the protection of heritage buildings. No additional mitigation measures are recommended.
Obstruction of significant identified views or vistas within, from heritage conservation districts and individual cultural heritage resources	See below for discussion on the obstruction of identified views and vistas.	N/A	N/A
- Views of the Dominion Observatory Dome as a landmark and View of the night sky from the Dominion Observatory Dome (Views 5 and 8)	Views looking towards the Dominion Observatory Dome from the north and west will be unobscured by the Hospital and CUP, however views looking towards the Dominion Observatory from Carling Avenue will include the Hospital in the background. Currently, views from the William Saunders building to the Dominion Observatory Dome are obscured by trees and while the proposed CUP, which is located below and at grade, will result in removal of trees, it will not result in additional obstruction of views. Furthermore, there is no evidence in the heritage character statements of the William Saunders Building, Dominion Observatory, and Dominion Observatory Complex, as well as the CEF NHSC Management Plan and CIS, to suggest the	Minor, reversible and indirect impact that is site-specific and will occur continually over a longer period of time.	Impacts to the night sky will be mitigated to some extent by the current plan to dim lights where possible over nighttime hours, use of electrochromic glass on the inpatient Hospital towers,

Adverse Impact Example	Analysis of Impact	Summary of impact ***without*** mitigation	Mitigation Recommendation
	buildings in these two locations share a significant relationship, nor that developing the area between them represents isolation of either building or the Campus from its surrounding environment or context. Three-dimensional modelling and view analysis suggests impacts to views from the Dominion Observatory dome to the sky (should a telescope be reinstalled at some point in the future) will be irreversible and permanent once Tower A of the Hospital Building is realized, not just to views but also some effects from light spillover. Light spillover or pollution can diminish the amount of stars and astrological features visible. Light pollution is mainly caused by lighting systems that are misdirected, excessive, inefficient or unnecessary, by light sources that are partly directed towards the sky or when downward directed light is reflected upward. The lighting plan for the Hospital complex has been designed to reduce light spill over as much as possible. It is also worth noting that development of residential towers on the north side of Carling Avenue will also have an impact on the night sky, but an understanding of this impact is outside of the scope of this CHIS addendum. As such, the overall magnitude of the Hospital's impact on the night sky is considered minor, indirect and site-specific since the dome will retain a considerable range of view of the night sky toward the south. Alternatives to further avoid or reduce this minor impact have not been considered since a project to reinstall a telescope has not been initiated and any negative effects to its views would be outweighed by the social benefits associated with establishing a new hospital. While views from the Rideau Canal NHSC/WHS from the east will be blocked by the Hospital, there is no historical evidence to suggest these two places share a significant physical, visual or contextual relationship. Although the dome of the Dominion Observatory can be seen today from several vantage points on the east side of Dow's Lake and from Commissioners Park and Prince of Wales Drive, there is no reference to the significance of these views in the Dominion Observatory Heritage Character Statement, which refers only to its environmental value as "visually prominent by virtue of its distinctive design, massing, materials and location" and "its visual prominence owing to its distinctive design, massing, materials and location." There is also no reference to the significance of distant views of the dome in the Heritage Character Statement for the Dominion Observatory Complex, CEF NHSC Management Plan and CIS, Rideau Canal Landscape Strategy, nor the Queen Elizabeth Driveway SOS.		and downward directed landscape lighting. Due to the function of the site as a Hospital which requires lighting 24/7, light impacts cannot be fully mitigated.
- Views from Prince of Wales Scenic Entry – Include views toward proposed loading dock (Views 1, 1.5, and 2)	The Queen Elizabeth Cultural Landscape's SOS identifies the view facing east and then south when traveling east and southbound from Commissioners Park as significant. Views from the intersection of Prince of Wales Drive and Road B illustrate Tower B is visible, but that the parking and loading area is fully obscured by the existing and proposed plantings along Prince of Wales Drive. The proposed hospital will have an impact on the park-like space on the west side of Prince of Wales Drive. Impacts will be mitigated to the extent possible by maintaining existing mature trees and planting additional trees.	Minor, reversible and indirect impact that is site-specific and permanent, and will occur continually over a longer period of time.	The current proposal to maintain existing trees and supplement with new trees where required, will help to maintain the park-like setting but will not completely mitigate the impact. No additional mitigation measures are recommended.
- Views from entrance to Queen Elizabeth Drive/Dows Lake (at Preston / Prince of Wales) (View 3)	The Queen Elizabeth Cultural Landscape's SOS identifies the view facing east and then south when traveling east and southbound from Commissioners Park as significant. From the intersection of Prince of Wales Drive and Preston Street looking south, the upper stories of Tower B are visible and the lower levels are obscured by the existing and proposed plantings along Prince of Wales Drive. The proposed hospital will have an impact on the park-like space on the west side of Prince of Wales Drive. Impacts will be mitigated to the extent possible by maintaining existing mature trees and planting additional trees.	Minor, reversible and indirect impact that is site-specific and permanent, and will occur continually over a longer period of time.	The current proposal to maintain existing trees and supplement with new trees where required will help maintain the park-like setting but will not completely mitigate the impact. No additional mitigation measures are recommended.
- Views from Dows Lake to main hospital building (views 6, 7, and 7.5)	The CEF NHSC SOS identifies views towards the farm from Dow's Lake as significant. The modeled views identify that Tower B, 12-stories in height, will be visible above the tree canopy and above HMCS Carleton buildings. These longer views to the Hospital site from Dow's Lake are framed by an urban canopy of foreground trees and new mixed-use, high-density towers characteristic of the growth and densification of the Preston-Carling District. These new towers are significantly taller than the proposed Hospital. As such, the visual impact of the views toward this area from Dow's Lake are considered negligible.	Negligible.	No mitigation recommended.
- Views from Carling Avenue both east and west of the main hospital building (views 4 and 5)	The view from Carling Avenue west of the Hospital from the intersection of Maple Drive illustrates Tower A in the background of the Dominion Observatory complex. The view from Carling Avenue east of the Hospital depicts the hospital's primary public entrance, flanked by the two towers and shows the landscape screening along Carling Avenue. Neither of these views are identified in the Heritage Character Statement for the Dominion Observatory Complex nor the CEF NHSC Management Plan and CIS, as such no heritage attributes or character-defining elements are impacted.	No impact.	No mitigation recommended.
- Views identified in Commemorative Integrity Statement for Central Experimental Farm	In summary, there will be minor impacts to the views of the William Saunders Building looking north from the font lawn. See Table 2 for full analysis.	See Table 2 for full analysis.	See Table 2 for full analysis.

Adverse Impact Example	Analysis of Impact	Summary of impact *without* mitigation	Mitigation Recommendation
- Views from adjacent CEF heritage buildings (e.g., Dominion Observatory Complex, Saunders Building, along Commissioners Drive / and or Maple Drive)	The view from the Dominion Observatory Complex toward the Hospital depict views of Tower A, the bottom portion of which is obscured by the existing and enhanced vegetation in the foreground. The view from the Saunders building toward the Hospital illustrates views to the Hospital are largely obscured by existing vegetation, but views of Tower B extend beyond the tree canopy. Views from Maple Drive show the length of Tower A, the bottom of which is obscured by existing and proposed plantings. None of these views are identified as significant in the Heritage Character Statement for the Dominion Observatory Complex, the CEF NHSC Management Plan and CIS, as such no heritage attributes or character-defining elements will be impacted.	No impact.	No mitigation recommended.
- Views identified in NCC Visual Assessment Views Analysis (2009 and 2013)	After consultation with the NCC, it was determined that views identified in the NCC visual assessment views analysis were already addressed by the identified views with the exception of a view along National Capital Commission Scenic Driveway west of Maple Drive. Upon further consideration, views toward the Hospital from this location along National Capital Commission Scenic Driveway would be obscured by the buildings along the north side of National Capital Commission Scenic Driveway and thus is not identified as a significant view in the CEF NHSC Management Plan and CIS.	No impact.	No mitigation recommended.
- Views from/along the Rideau Canal including from Commissioner's Park, Hartwells Lockstation (view 16) and Colonel By Drive (view 15) (that were assessed for the Campus Master Plan and parking garage applications)	View along the Rideau Canal from Commissioner's Park will be directed south to Dow's Lake, and as such will not be impacted by the proposed Hospital. Views from Hartwells Lockstation along Rideau Canal will be located north and will not include views of the Hospital in the west and distant periphery and will not be impacted by the proposed Hospital. Views from Colonel By Drive along the Rideau Canal include the Hospital towers in the distant background. These longer views to the Hospital site are framed by an urban canopy of foreground trees and new mixed-use, high-density towers characteristic of the growth and densification of the Preston-Carling District. These new towers are significantly taller than the proposed Hospital. As such, the visual impact of the views toward this area from Colonel By Drive along the Rideau Canal are considered negligible.	Negligible.	No mitigation recommended.
A change in land use where the change affects the property's cultural heritage value	As outlined in the CHIS, the Hospital and CUP will result in a change in land use on the Site, by filling the greenfield and parkland areas surrounding the Annex and now-demolished Sir John Carling Building with new structures, parking areas and infrastructure. Nevertheless, the use will remain institutional and overall the magnitude of impact is considered minor as the northeast portion of the CEF NHSC was historically peripheral to the operations of the CEF until it was selected as a "headquarters zone" for the Sir John Carling Building in 1967. A change in land use will also occur where the Hospital and CUP encroaches onto the open ground north of the William Saunders building and the recreational grounds used by the DARA Tennis Club. However, this change will not affect the heritage values of the CEF NHSC, which are linked to the operation of the CEF and Agriculture and Agri-food Canada (AAFC). While the use of Maple Drive as a primary emergency vehicle route is not a change in land use, it is a change in functional use. Maple Drive is the primary access to the Dominion Observatory Campus and the proposed emergency vehicle route will travel directly past the South Azimuth Building, which is within 2 m of the curb. Upon entry to the site, emergency vehicle drivers will be instructed to cease the use of sirens and slow down. While the speed limit along Maple Drive is 30km/h, the short distance from the road, as well as the gradual curve in the road, puts the South Azimuth Building at risk of emergency vehicles losing control in wet or icy conditions. The effect of traffic vibrations on a building can be exacerbated when vehicles contact irregularities on the road surface (e.g., potholes, cracks and uneven manhole covers). Notwithstanding this, vibrations are mainly caused by heavy vehicles such as buses and trucks. While emergency vehicles are heavier than the average passenger vehicle, the Project Development Team's engineers have indicated the vehicles will not cause vibration impacts. The weight of the emergency vehicles and the expected number of trips a day along Maple Drive (up to 75 trips) will not require any special pavement treatments as may be required for heavier trucks, such as fire trucks. Notwithstanding that the new use of Maple Drive for an emergency vehicle route will not require more frequent repair than typical planned maintenance to the road and the existing use of de-icing salt on the road, the South Azimuth Building may be impacted by the use of more frequent de-icing salt as it may cause additional impact on its masonry construction. Without mitigation, the risk of emergency vehicles losing control and colliding with the buildings as well as the increased use of de-icing salt represents a risk of major impact.	Major, irreversible, direct and indirect impacts that are site-specific and permanent and will occur once and continually over a longer period of time.	Prebuilding condition assessment for the South Azimuth Building's masonry. Installation of bollards around the South Azimuth Building. Develop a de-icing strategy for Maple Drive. Create a plan for future road repair and maintenance that protects the adjacent built heritage resources.
Land disturbances such as a change in grade that alters soils, and drainage patterns that adversely affect a cultural heritage resource	As noted in the CHIS, the adjacent Federal Heritage Buildings within 60 m of the west and south boundaries of the site may be subject to major adverse impacts as a result of construction from fugitive dust or construction vibration. As noted above, there are no vehicle-induced vibration impacts anticipated from the use of Maple Drive as an emergency vehicle route. There will be limited risk of impact from construction vibration or fugitive dust emissions to the other features of the CEF NHSC outside the 60 m zone or adjacent areas of the Rideau Canal NHSC/WHS and the Prince of Wales Drive section of the Queen Elizabeth Cultural Landscape.	Risk of major, irreversible and direct impact that is site-specific and permanent, and will occur once over a short period of time.	Complete a Heritage Protection Plan (see Section 4.2 for further details).

Table 2: Analysis of Impact on Views identified in the Commemorative Integrity Statement for the Central Experimental Farm

Views identified in the CIS for the CEF		Analysis of Impact	Summary of impact ***without*** mitigation	Mitigation Recommendation
The Arboretum and Ornamental Gardens	The scenic outlooks from the arboretum ring road to Dow's Lake, the Rideau Canal, Carleton University and towards downtown Ottawa	Views from the Arboretum ring road to Dow's Lake, the Rideau Canal, Carleton University and downtown Ottawa will not be impacted by the Hospital and CUP.	No impact	No mitigation recommended.
	The view from Prince of Wales Drive into the arboretum and ornamental gardens	The view from Prince of Wales Drive into the Arboretum will not be impacted by the Hospital and CUP. The view from Prince of Wales Drive looking north into the ornamental gardens will include the Hospital towers in the periphery. Notwithstanding that the Hospital towers will be visible in the background of the views to the ornamental gardens, they will not detract from the views of the Ornamental Gardens.	Negligible.	No mitigation recommended.
	The view south, sloping gradually downhill, within the ornamental gardens	The view south looking downhill within the ornamental gardens will not be impacted by the proposed Hospital and CUP.	No impact.	No mitigation recommended.
	Views west towards the Farm from the other side of the Rideau Canal, Colonel By Drive and Dow's Lake, as well as the views from below the arboretum terraces up the slope	Discussed above in Table 1 under Obstruction of significant identified views or vistas within, from heritage conservation districts and individual cultural heritage resources, Views from Dows Lake to main hospital building.	N/A	N/A
	The view looking north from Prince of Wales Drive to the green barn (Building 82, formerly used for dehydrating plant samples) on the east side of the road	This view may include the Hospital towers in the west periphery. Given the long distance between the Hospital and Building 82 as well as the peripheral nature of the impacted view, impacts are considered to be negligible.	Negligible.	No mitigation recommended.
	The views from the Fletcher Wildlife Gardens to Hartwells Lockstation	Views from the Fletcher Wildlife Gardens to the Hartwells Lockstation will not include the Hospital towers, as such, no impacts are anticipated.	No impact.	No mitigation recommended.
	The view of the Macoun Memorial Garden from the Driveway	Views of the Macoun Memorial Garden from the driveway will be directed south, as such, they will not be impacted by the Hospital.	No impact.	No mitigation recommended.
	The view north from the bend on Prince of Wales Drive across the fields	Views from the bend on Prince of Wales Drive toward the fields will be directed northwest, as such they will not be impacted by the Hospital.	No impact.	No mitigation recommended.

Views identified in the CIS for the CEF		Analysis of Impact	Summary of impact ***without*** mitigation	Mitigation Recommendation
Historic Values of the Cultural Landscape	The view of the Main Dairy Barn from the east and the west, emphasizing its landmark quality	The view of the Main Dairy Barn will not be impacted by the Hospital.	No impact.	No mitigation recommended.
	The view west along the Driveway, with its closed canopy allée of trees	The view west along the Driveway will not be impacted by the Hospital.	No impact.	No mitigation recommended.
	The view north across the lawn to the Saunders Building; and their associations with key figures in the development of Canadian agriculture, such as William Saunders, Charles Saunders, and Sir John Carling	The view north across the lawn to the William Saunders Building will be impacted. Views of the Hospital towers will be visible in the background of the William Saunders Building. Given the Hospital will not obstruct or block views to the William Saunders Building from the front lawn or Maple Drive, the impact is considered minor.	Minor, reversible and indirect impact that is site-specific and permanent, and will occur continually over a longer period of time.	The current proposal to maintain existing trees and supplement with new trees where required, will help to maintain the park-like setting between the Saunders Building and the Hospital, but will not completely mitigate the impact of the views of the towers in the background of the William Saunders Building. Given the general form and height of the Hospital was approved in the Master Site Plan application, a reduction in the height of the hospital towers is not recommended. The design approach to drop the CUP into the landscape was in consideration to maintain the William Saunders Building's prominence from the main lawn to the Dominion Observatory Complex. No additional mitigation measures are recommended
Experimental fields, plots and shelterbelts	The view from the comer of Baseline and Fisher, looking northeast to the central core, with the Booth barn complex in the foreground	The intersection of Baseline and Fisher are so far from the hospital site that it is unlikely the view to the Booth Barn complex will be impacted.	No impact.	No mitigation recommended.
	The view southwest from Carling Avenue across the fields	The view from Carling Avenue across the fields will be looking west of the Hospital site, as such no impacts are anticipated.	No impact.	No mitigation recommended.
	The framed view looking east from Fisher along Cow Lane	The framed view looking east from Fisher along Cow Lane will not include any views of the Hospital.	No impact.	No mitigation recommended.
	The view from any point along the periphery into the open fields	The open fields in the CEF are located west and southwest of the Hospital site, as such views toward these fields will not be impacted by the Hospital.	No impact.	No mitigation recommended.

4.0 CONSERVATION AND MITIGATION RECOMMENDATIONS

4.1 Mitigation Measures Undertaken to Date

The CHIS was completed for the Master Site Plan and recommended that future Site Plan applications include further detailed study to address several impacts. As such, with the submission of the Site Plan application specific to the Hospital and CUP phases of development, the following mitigation measures have already been incorporated into the Site Plan submission:

Building Design

- The schematic design of the Hospital building reflects a contemporary design with the use of wall panels and glazing. Given the general form and height of the Hospital was approved in the Master Site Plan application, a reduction in the height of the hospital towers is not recommended. In an effort to remain consistent with heritage best practices, the schematic design for the Hospital illustrates a structure that is distinguishable from the surrounding built heritage resources through its contemporary design and materials. During the Developed Design phase of the project further refinement of materiality and colour palette will be explored.
- The design approach to drop the CUP into the landscape was in consideration to maintain the William Saunders Building's prominence from the main lawn to the Dominion Observatory Complex. It is important to note there is considerable landscaping that exists behind the William Saunders Building that is to be maintained and augmented with phase 3 and 4 of the development.
- Development Design progression will include co-design opportunities with the proponent that will build upon the current schematic designs for the Hospital and CUP. Recognizing there is a pre-determined budget and programmatic requirements that make the design of the Hospital and CUP somewhat fixed, opportunities to mitigate the massing of the building and its impact on views should be considered. As previously noted, it is at the Development Design stage in the project that Detailed Design will take place and exploration of options for materiality and colour palette will be explored.

Landscape Treatments

- A key recommendation was to take cues from the existing vegetation within the CEF to ensure the Hospital is screened from view where possible and enhances the 'farm within the city' aesthetic of the CEF. In order to address this recommendation, the Project Development Team has incorporated a combination of existing and additional vegetation consisting of mixed woodland canopy trees, mixed woodland and middlestory trees and alvar grassland trees to provide a natural buffer to shield views to the surface parking areas and the loading zone (Attachment 4 and 5). Some examples of deciduous trees include sugar maples, red oaks and white birches. Coniferous trees include eastern white pine, and eastern red cedar. Mixed wood understory species include bearberry and trillium, and co-dominant understory species include tufted hairgrass, and mapleleaf.

  The use of species within the Old Hedge Collection of the CEF are not compatible with the landscape objectives of the site. Maintaining tree species as a hedge as per the pruning style represented within the Old Hedge Collection reduces the potential for trees to reach full canopy sizes, and therefore would limit contribution to the Canopy Plan. Canopy trees are the focus of the planting plan.

The picturesque landscape of the CEF is resource intensive and characterized by monocultures (including turf) and non-native and in some cases, invasive species. As described in the Design Brief, the landscape design is a current day interpretation of the evolution of thought in science related to ecology, resiliency, regenerative and climate positive design. However, it is important to honour the picturesque landscape of the CEF. The public campus roadways will provide a picturesque framework of boulevards of stately trees and turf grass with the wooded escarpment, meanders and shelterbelts providing a more naturalistic aesthetic and plant communities to reduce maintenance, increase tree canopy cover, provide pollinator friendly plantings and incorporate best practices in Low Impact Development (LID).

- The final Landscape Plan will be discussed with agricultural/arborist specialists at AAFC and the CEF. To achieve the 40% target canopy cover, opportunities for additional plantings beyond the Hospital lease boundary on CEF lands (e.g., along Maple Drive and Birch Drive) are to be coordinated with AAFC.

- **Site Lighting**

  - While the Dominion Observatory Dome telescope is no longer in use and there are no known plans to replace the telescope at this time, the Hospital, which will require lighting at all times of the day, may have an impact on views to the night sky. The lighting plan has sought to reduce the overspill of lighting as much as possible with the use of downward facing light fixtures on the landscape and electrochromic glass in the inpatient portion of the hospital towers. The site security team will work with the Hospital to dim lights where safe to do so to further reduce light pollution between midnight and 5 am. Landscape lighting will be refined during Developed Design. Consideration should be given to the use of light fixtures consistent with those the NCC is considering for installation along the Rideau Canal. The use of similar lighting represents an opportunity to reference a family of light fixtures of a consistent design across the area.

- **Maple Drive**

  - The estimated number of emergency vehicles will be up to 100 per day or an average of 3 per hour. Based on experience on arrivals at the existing Civic Campus, it is estimated that 75% of these will use Maple Drive and 25% will use the Prince of Wales Drive access (increase of 2.6%). The Ottawa Hospital has been working with AAFC on mitigation measures related to the use of Maple Drive for emergency vehicles to ensure protection of heritage buildings including a De-icing Strategy, use of non-visually intrusive bollards, the requirement for emergency vehicles to cease use of sirens when they reach the Hospital lease boundary, and an operational requirement for all non-emergency trips to/from the Hospital to use Prince of Wales Drive (Road E) access.

- **Indigenous Partnerships and Guidance**

  - The Ottawa Hospital's work to meaningfully engage First Nation, Inuit and Métis people, leaders, organizations and health experts through the Indigenous Peoples Advisory Circle (the Circle) is ongoing. The Circle provides guidance on design elements of the new campus (indoor and outdoor), including healing spaces and identifying priorities for cultural safety, Indigenous partnerships and economic development opportunities. Design elements that seek to create culturally safe spaces for healing and ceremony include acknowledgement of the land and its offerings and the contributions of the first peoples of the land, the integration of Indigenous languages, wayfinding and art, indoor smudging capabilities, etc. The project's Development Phase Agreement contains requirements for Indigenous

Partnership and Engagement Plans detailing both short and long-term commitments over the life of the project.

4.2 Proposed Mitigation Measures

- During the Developed Design phase of the project, further refinement of materiality and colour palette should be explored for the Hospital. The use of more neutral colours and natural materials, where appropriate, may provide a stronger link to the CEF and allow the building to blend into the surroundings and enhance key views more sympathetically. These design considerations will help ensure the Hospital design is compatible and subordinate to the character of the CEF, adjacent Federal Heritage Buildings and cultural landscapes, and the Rideau Canal NHSC/WHS.
- Install non-visually intrusive bollards on the northwest, west and southwest side of the South Azimuth Building to remove the risk of collision by emergency vehicles. A stone bollard of a plain and robust design is recommended to reflect the limestone and sandstone construction of the South Azimuth Building (see Government of Ireland 2011:197).
- Work with the AAFC to develop a de-icing plan for Maple Drive that is appropriate for heritage masonry buildings. The plan should include appropriate chemicals that pose the least risk to historic masonry while achieving the de-icing objectives. It should include a precondition assessment of the South Azimuth building's masonry, periodic monitoring of the condition of these building's masonry and strategies for actions to take in the case of impacts as a result of salt damage.
- Completion of a Heritage Protection Plan to mitigate construction related impacts. The Heritage Protection Plan will provide a compilation of pre-construction mitigation plans completed by the contractors, which will include:
  - Completion of precondition surveys of all Federal Heritage Buildings adjacent to the Site.
  - Implementation of site control and communication.
    - Clearly mark on Project mapping the location of all adjacent Federal Heritage Buildings and communicate this to project personnel prior to mobilization.
  - Manage fugitive dust emissions.
    - Draft a fugitive dust emissions plan following practices outlined in the Ontario Standards Development Branch Technical Bulletin: Management Approaches for Industrial Fugitive Dust Sources (2017).
  - Monitor for vibration impact during adjacent construction.
    - Conduct ground vibration monitoring at the work area boundaries and/or adjacent Federal Heritage Buildings. The monitoring should use a digital seismograph capable of measuring and recording ground vibration intensities in digital format in each of three (3) orthogonal directions. This instrument should also be equipped with a wireless cellular modem for remote access and transmission of data.
    - The installed instrument should be programmed to record continuously, providing peak ground vibration levels at a specified time interval (e.g., 5 minutes) as well as waveform signatures of any ground vibrations exceeding a threshold level that would be determined during monitoring (e.g.,

between 6-12 mm/s). The instrument should also be programmed to provide a warning should the peak ground vibration level exceed the guideline limits specified. In the event of either a threshold trigger or exceedance warning, data would be retrieved remotely and forwarded to designated recipients.

  - If vibration has exceeded the guideline limits specified, a stop work order should be issued immediately and the adjacent Federal Heritage Buildings promptly inspected for any indication of disruption or damage. If identified, the evidence of disturbance or damage should be documented, then closely monitored during construction for further change in existing conditions. Once work is complete, a post-construction vibration monitoring report or technical memorandum should be prepared to document the condition of the heritage attributes of the properties listed above and recommend appropriate repairs, if necessary.

- Creation of a plan for future road repair and maintenance that protects the adjacent built heritage resources.
- Completion of periodic building monitoring reports and post-construction building conditions surveys.

5.0 SUMMARY OF FINDINGS AND RECOMMENDATIONS

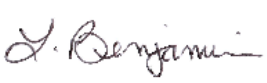
Following applicable federal, provincial and municipal guidance as well as analysis of research, shadow studies, and three-dimensional view modeling, this CHIS addendum assessed the potential impacts of the proposed Hospital and CUP on the CEF NHSC, adjacent Federal Heritage Buildings and cultural landscapes, and the Rideau Canal NHSC/WHS. A summary of findings is as follows:

- The introduction of the Hospital and CUP and associated roads and parking/loading areas will be mitigated by implementation of the proposed landscaping plan.
- Potential impacts to the night sky from the Dominion Observatory will be mitigated to the extent possible by the use of electrochromic glass, appropriate light fixtures and diming the lights at night where possible.
- Additional adverse impacts will range in magnitude from negligible to major without mitigation.

In addition to the mitigation measures already incorporated into the applications for Site Plan Control and Federal Land Use Approval for the Hospital and CUP, WSP recommends the following additional mitigation strategies outlined in more detail in Section 4.2:

- During the Developed Design phase of the project, further refinement of materiality and colour palette should be explored for the Hospital to mitigate impacts to the character of the CEF, adjacent Federal Heritage Buildings and cultural landscapes, the Rideau Canal NHSC/WHS and impacts to key views.
- Install non-visually intrusive bollards around the South Azimuth building on Maple Drive.
- Complete a de-icing plan for Maple Drive.
- Complete a Heritage Protection Plan, as outlined above, to mitigate construction-related impacts.

WSP Canada Inc.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Attachments: 1 – Cultural Heritage Impact Statement Requirements. Prepared by Lesley Collins (City of Ottawa), Heather Thomson (NCC), Susan Millar (Parks Canada), Jennifer Drew (Parks Canada)

2 – Site Plan Control Drawing Package: Floor Plans, Elevations and Sun Shadow Study

3 – Electrical Site Plan

4 – Landscape Package: Orientation Plan, Existing Topography Plan, Grading Plans

5 – Modeled Views

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ATTACHMENT 1

Cultural Heritage Impact Statement Requirements. Prepared by Lesley Collins (City of Ottawa), Heather Thomson (NCC), Susan Millar (Parks Canada), Jennifer Drew (Parks Canada)

Cultural Heritage Impact Statement Requirements
Prepared by: Lesley Collins (City of Ottawa), Heather Thomson (NCC), Susan Millar (Parks Canada), Jennifer Drew (Parks Canada)

A Heritage Impact Statement (CHIS) is required to specifically address issues related to this phase of project. The CHIS will be considered jointly by both the City and the NCC in their review of the proposal. The CHIS should be prepared according to the City of Ottawa's "A Guide to Preparing Cultural Heritage Impact Statements"

This phase of the development of the new hospital campus has the greatest potential to impact the cultural heritage landscape of the Central Experimental Farm National Historic Site of Canada and adjacent heritage resources including the Rideau Canal National Historic Site of Canada and UNESCO World Heritage Site, the Federal Heritage Buildings of the Dominion Observatory Complex and other adjacent Federal Heritage Buildings.

Further to comments provided on the CHIS submitted as part of the Master Site Plan application and conditions included as part of the Master Site Plan approval, the following items should be considered and addressed as part of the CHIS:

- Landscape Plan
    - One of the conditions of Master Site Plan approval was to ensure that the CHIS addendums consider how the proposal "protects the Central Experimental Farm's rural picturesque character and value as a 'farm within the city' through its landscaping on its east, west and south borders using trees or other landscape features to reduce the impact to existing views of the CEF National Historic Site of Canada (NHSC) from the Rideau Canal NHSC and World Heritage Site (WHS), Prince of Wales Drive section of the Queen Elizabeth Driveway cultural landscape, and the William Saunders Building Recognized Federal Heritage Building"

- Transportation and Parking
    - Use of Maple Drive
        - Detailed consideration of the potential impacts that will result from the use of Maple Drive as an ambulance route should be provided. These are considered in the CHIS for the Master Site Plan but should be further detailed in the addendum. These considerations should articulate the impact of the speed and frequency of ambulance traffic on the co-located Federal Heritage Buildings, including but not limited to vibration, road maintenance requirements; and salt spray.
    - Location and visual screening of surface parking

- Consideration of impacts on the Dominion Observatory Complex
    - Detailed consideration of potential impacts including, but not limited to:
        - Potential construction impacts that could cause physical damage to the buildings
        - Isolation of the Dominion Observatory Complex from its surrounding environment in ways that would affect the access to or user/visitor experience of the site
        - Obstruction or diminishment of significant views of the Dominion Observatory dome as a landmark

- Obstruction or impacts to views of the night sky from the Dominion Observatory dome
- Impacts of the lighting plan as directed by Planning Committee on approval of the Master Site Plan on October 1, 2022:
    - *That Planning Committee direct staff to review site lighting for the future implementing site plan for the main hospital building. The site lighting shall be in accordance with Council approved lighting conditions, that include designing with only fixtures that meet the criteria for full cut-off (sharp cut-off) classification, as recognized by the illuminating Engineering Society of North America; and meeting minimal light spillage onto adjacent properties. That Planning Committee further direct staff to ensure that potential impacts of the site lighting on the Dominion Observatory Complex are considered through addendums to the Cultural Heritage Impact Statement, with consideration of guidelines prepared by the International Dark Sky Association and with direct/open communication with the Royal Astronomical Society of Canada.*

- Consideration of impacts to the following views
    - Views from Prince of Wales Scenic Entry – Include views toward proposed loading dock
    - Views from entrance to Queen Elizabeth Drive/Dows Lake (at Preston / Prince of Wales)
    - Views from Dows Lake to main hospital building
    - Views from Carling Avenue both east and west of the main hospital building
    - Views identified in Commemorative Integrity Statement for Central Experimental Farm
    - Views from adjacent CEF heritage buildings (e.g. Dominion Observatory Complex, Saunders Building, along Commissioners Drive / and or Maple Drive)
    - Views identified in NCC Visual Assessment Views Analysis (2009 and 2013
    - Views from/along the Rideau Canal including from Commissioner's Park, Hartwells Lockstation and Colonel By Drive (that were assessed for the Campus Master Plan and parking garage applications)

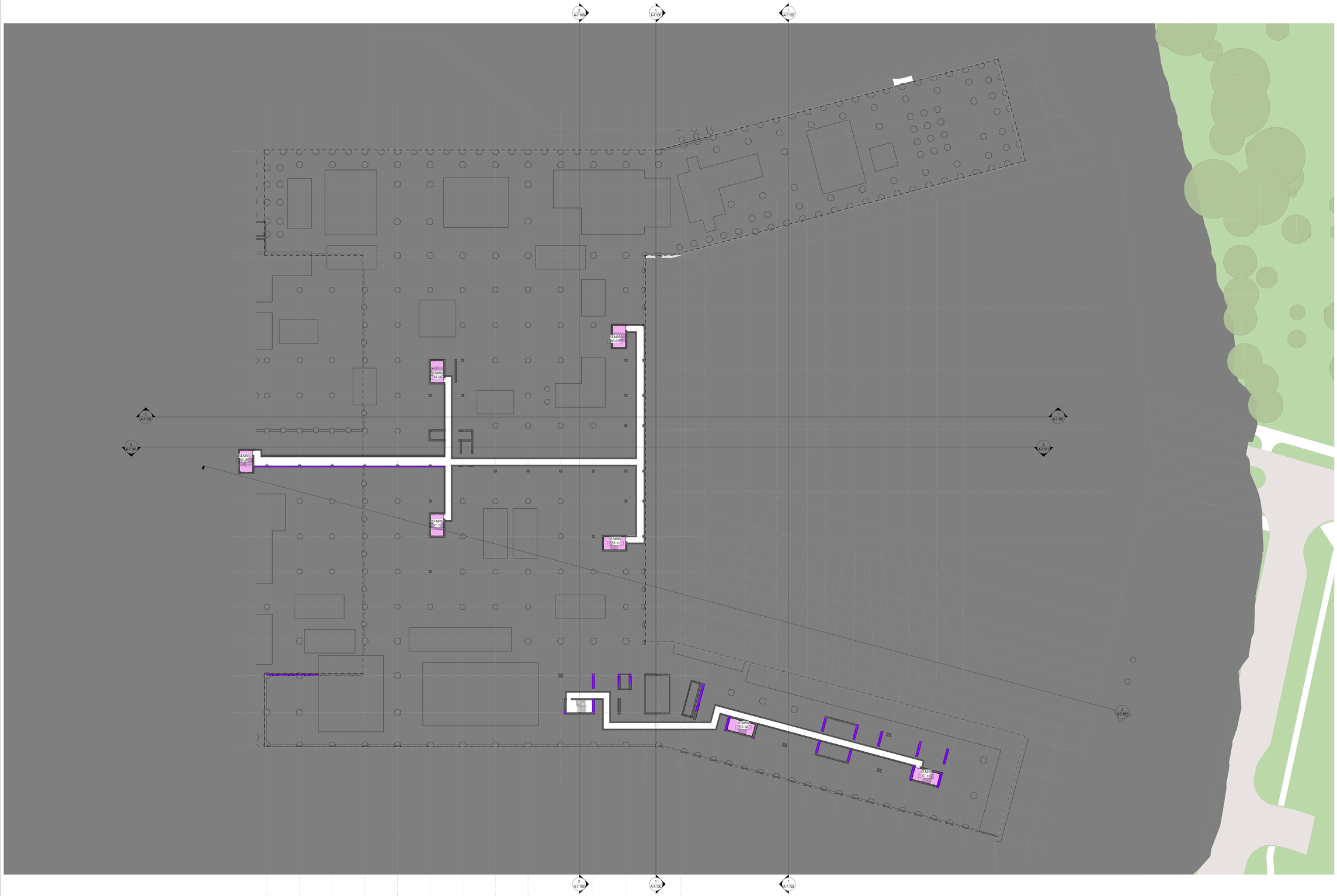
Heritage Protection Plan

- A Heritage Protection Plan is required to ensure appropriate conservation of adjacent heritage buildings during construction.
- The Protection Plan must include an evaluation of potential risks to nearby heritage buildings through the construction process and a detailed plan for protection and mitigation of these risks, including but not limited to:
    - Pre-construction building condition survey and documentation (consider baseline 3D Laser scanning of all designated buildings)
    - Vibration and crack monitoring
    - Monitoring reports
    - Implementation of physical protection for designated buildings
    - Management of construction dust, debris etc.
    - Post-construction building condition survey and documentation

ENVIRONMENTAL

ATTACHMENT 2

Site Plan Control Drawing Package: Floor Plans, Elevations and Sun Shadow Study



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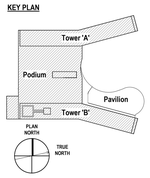
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-09-23	ISSUED FOR PRE-CONSULTATION
2	2022-10-28	DRAFT FOR 90% SD
3	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
4	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	09/09/22

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES O. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL
GROSS OVERALL
PLAN -
SUB-BASEMENT LEVEL

Sheet Number

A-4.2.100.0

Project Status

STAGE 3

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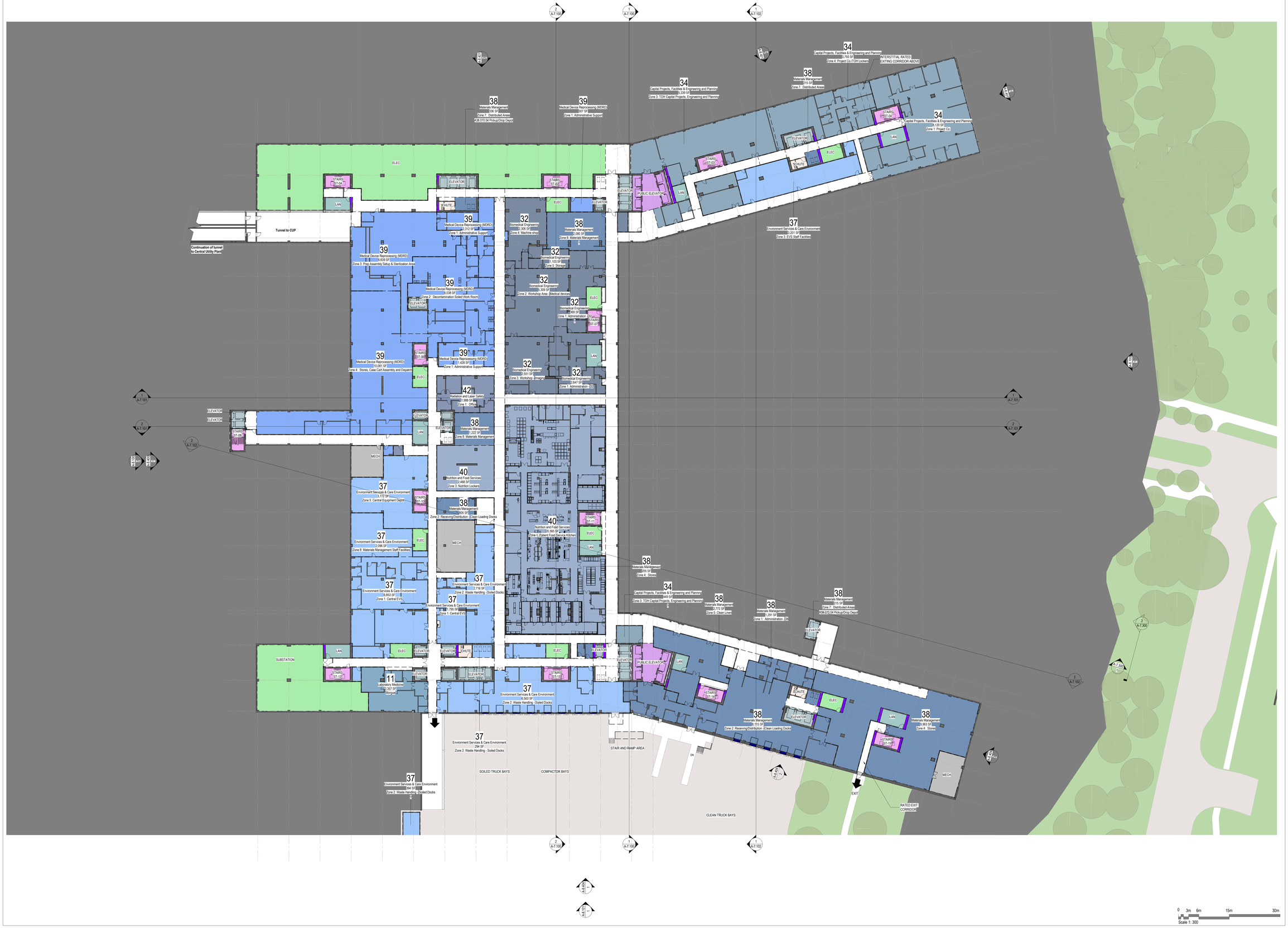
38 Materials Management 1,336 SF Zone 7: Distributed Areas A36.070.04 Pickup/Drop Depot
39 Medical Device Reprocessing (MDRD) 207 SF Zone 1: Administrative Support
34 Capital Projects, Facilities & Engineering and Planning 1,129 SF Zone 3: TOH Capital Projects, Engineering and Planning
38 Materials Management 216 SF Zone 7: Distributed Areas
34 Capital Projects, Facilities & Engineering and Planning 3,793 SF Zone 4: Project Co./TOH Lockers
INTERSTITIAL RATED EXITING CORRIDOR ABOVE
34 Capital Projects, Facilities & Engineering and Planning 1,129 SF Zone 1: Project Co.
ELEC
STAIRS ST-04
LAN
ELEVATOR
CHUTE
Tunnel to CUP
Continuation of tunnel to Central Utility Plant
39 Medical Device Reprocessing (MDRD) 2,312 SF Zone 1: Administrative Support
39 Medical Device Reprocessing (MDRD) 10,609 SF Zone 3: Prep Assembly Setup & Sterilization Area
39 Medical Device Reprocessing (MDRD) 6,038 SF Zone 2: Decontamination Soiled Work Room
39 Medical Device Reprocessing (MDRD) 11,081 SF Zone 4: Stores, Case Cart Assembly and Dispatch
39 Medical Device Reprocessing (MDRD) 1,428 SF Zone 1: Administrative Support
42 Radiation and Laser Safety 1,988 SF Zone 1: Office
32 Biomedical Engineering 2,306 SF Zone 4: Machine shop
38 Materials Management 2,080 SF Zone 8: Materials Management
32 Biomedical Engineering 1,103 SF Zone 5: Storage
32 Biomedical Engineering 1,309 SF Zone 2: Workshop Area - Medical devices
32 Biomedical Engineering 919 SF Zone 1: Administration
32 Biomedical Engineering 501 SF Zone 3: Workshop - Imaging
32 Biomedical Engineering 2,647 SF Zone 1: Administration - 3D
38 Materials Management 1,022 SF Zone 8: Materials Management
40 Nutrition and Food Services 2,468 SF Zone 3: Nutrition Lockers
40 Nutrition and Food Services 10,565 SF Zone 1: Patient Food Service Kitchen
37 Environment Services & Care Environment 1,772 SF Zone 5: Central Equipment Depot
37 Environment Services & Care Environment 2,096 SF Zone 8: Materials Management Staff Facilities
37 Environment Services & Care Environment 6,853 SF Zone 1: Central EVS
37 Environment Services & Care Environment 1,795 SF Zone 1: Central EVS
37 Environment Services & Care Environment 718 SF Zone 2: Waste Handling - Soiled Docks
37 Environment Services & Care Environment 6,563 SF Zone 2: Waste Handling - Soiled Docks
37 Environment Services & Care Environment 294 SF Zone 2: Waste Handling - Soiled Docks
37 Environment Services & Care Environment 1,201 SF Zone 3: EVS Staff Facilities
38 Materials Management 1,336 SF Zone 7: Distributed Areas A36.070.04 Pickup/Drop Depot
38 Materials Management 209 SF Zone 4: Stores
38 Materials Management 2,772 SF Zone 8: Clean Linen
38 Materials Management 1,291 SF Zone 1: Administration - 3D
38 Materials Management 215 SF Zone 7: Distributed Areas A36.070.04 Pickup/Drop Depot
38 Materials Management 1,115 SF Zone 2: Receiving/Distribution - Clean Loading Docks
38 Materials Management 963 SF Zone 4: Stores
34 Capital Projects, Facilities & Engineering and Planning 449 SF Zone 3: TOH Capital Projects, Engineering and Planning
11 Laboratory Medicine 2,357 SF Morgue
SUBSTATION
MECH.
PUBLIC ELEVATOR
STAIR AND RAMP AREA
SOILED TRUCK BAYS
COMPACTOR BAYS
CLEAN TRUCK BAYS
EXIT
RATED EXIT CORRIDOR
DN
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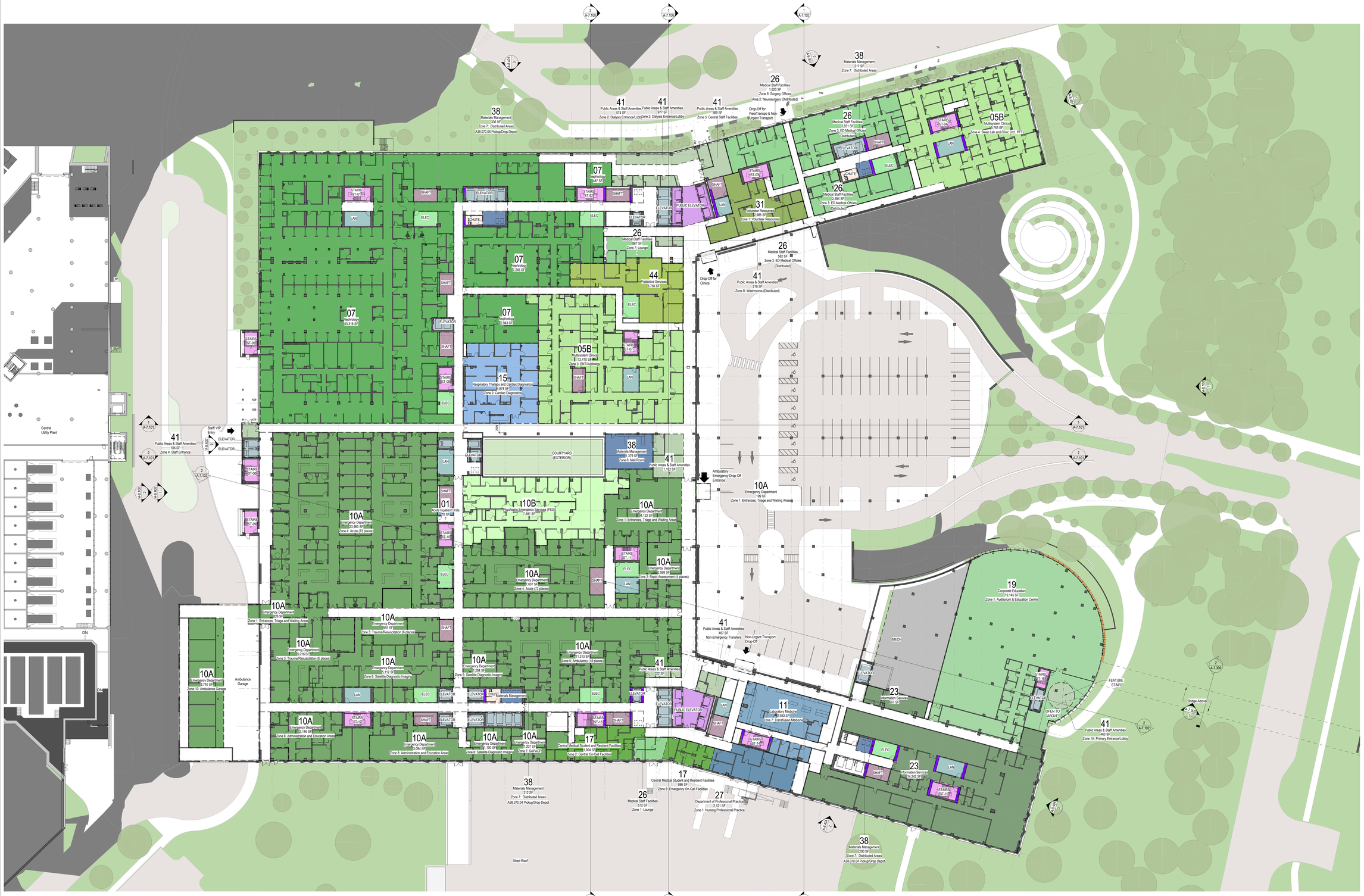

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Scale 1: 300

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

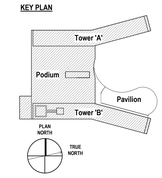
DEPARTMENT AREAS - LEVEL E

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
	ELEC	339 SF
01	Acute Inpatient Units	70 SF
05B	Multisystem Clinics	22,173 SF
07	Nephrology	53,990 SF
10A	Emergency Department	78,010 SF
10B	Psychiatric Emergency Services (PES)	7,481 SF
11	Laboratory Medicine	3,459 SF
15	Respiratory Therapy and Cardiac Diagnostics	4,878 SF
17	Central Medical Student and Resident Facilities	2,789 SF
19	Corporate Education	19,145 SF
23	Information Services	15,149 SF
26	Medical Staff Facilities	10,066 SF
27	Department of Professional Practice	2,121 SF
31	Volunteer Resources	2,985 SF
38	Materials Management	2,443 SF
41	Public Areas & Staff Amenities	4,883 SF
44	Protective Services	3,755 SF

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-10-28	DRAFT FOR 90% SD
5	2022-11-30	ISSUED FOR SPC and FLUIDA - 1st Submission
6	2022-12-02	ISSUED FOR 3A1-2
7	2023-04-14	ISSUED FOR SPC and FLUIDA APPROVAL

Project Number	103330982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
MEMBER'S CHAMBER
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - EMERGENCY LEVEL

Sheet Number

A-4.2.100.2

Project Status

STAGE 3

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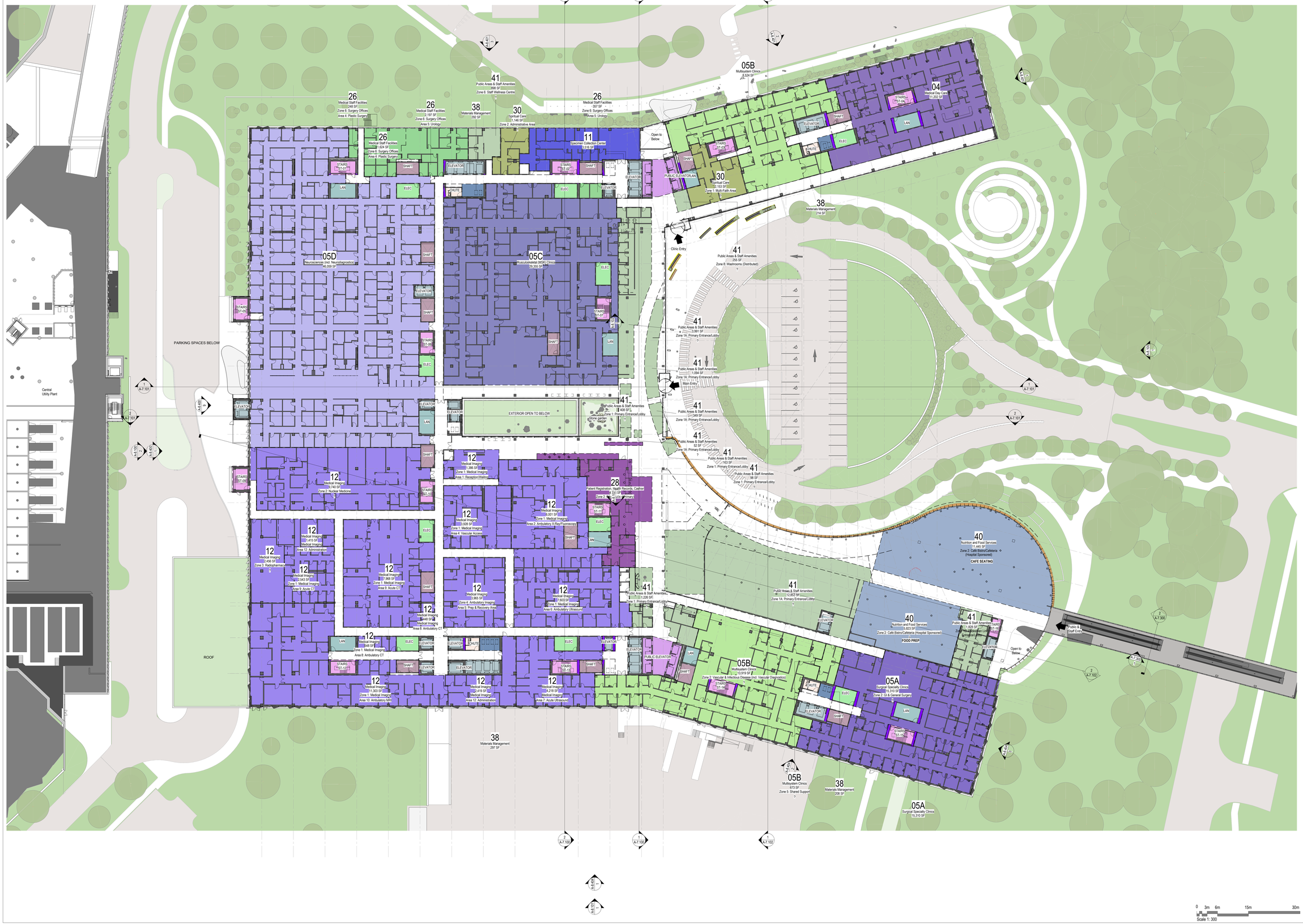

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Scale 1: 300

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

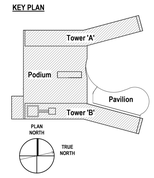
DEPARTMENT AREAS - LEVEL 1

DEPARTMENT No.	DEPARTMENT NAME	AREA (GQSF)
04	Medical Day Care	11,202 SF
05A	Surgical Specialty Clinics	15,310 SF
05B	Multisystem Clinics	23,116 SF
05C	Musculoskeletal (MSK) Clinics	29,355 SF
05D	Neurosciences (incl. Neurodiagnostics)	46,059 SF
11	Specimen Collection Center	3,516 SF
12	Medical Imaging	65,939 SF
26	Medical Staff Facilities	4,426 SF
28	Patient Registration, Health Records, Cashier	4,714 SF
30	Spiritual Care	3,299 SF
38	Materials Management	1,011 SF
40	Nutrition and Food Services	17,268 SF
41	Public Areas & Staff Amenities	24,169 SF

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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7	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	103339B2
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS — LICENCE 6044

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 01

Sheet Number

A-4.2.101

Project Status

STAGE 3

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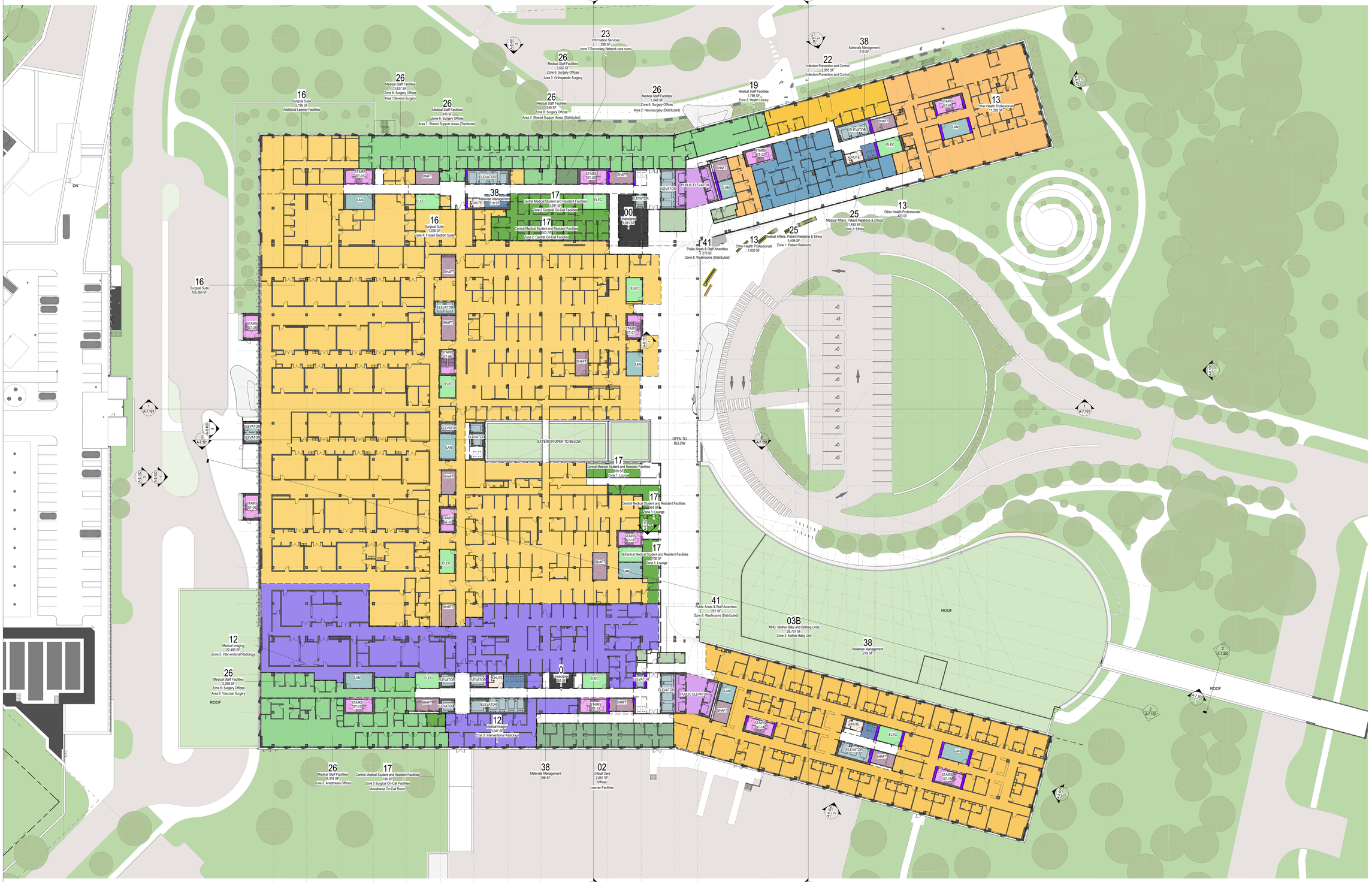
23
Information Services
280 SF
zone 7:Secondary Network core room
26
Medical Staff Facilities
3,662 SF
Zone 6: Surgery Offices
Area 3: Orthopaedic Surgery
26
Medical Staff Facilities
3,627 SF
Zone 6: Surgery Offices
Area1:General Surgery
26
Medical Staff Facilities
243 SF
Zone 6: Surgery Offices
Area 7: Shared Support Areas (Distributed)
26
Medical Staff Facilities
240 SF
Zone 6: Surgery Offices
Area 7: Shared Support Areas (Distributed)
26
Medical Staff Facilities
1,548 SF
Zone 6: Surgery Offices
Area 2: Neurosurgery (Distributed)
16
Surgical Suite
2,186 SF
Additional Learner Facilities
16
Surgical Suite
106,369 SF
16
Surgical Suite
1,228 SF
Zone 4: Frozen Section Suite
38
Materials Management
219 SF
17
Central Medical Student and Resident Facilities
1,291 SF
Zone 5 Surgical On-Call Facilities
17
Central Medical Student and Resident Facilities
Zone 2: Central On-Call Facilities
00
Washington
1,031 SF
19
Medical Staff Facilities
1,798 SF
Zone 2: Health Library
22
Infection Prevention and Control
2,955 SF
Infection Prevention and Control
38
Materials Management
219 SF
13
Other Health Professionals
11,329 SF
13
Other Health Professionals
423 SF
25
Medical Affairs, Patient Relations & Ethics
1,493 SF
Zone 2: Ethics
25
Medical Affairs, Patient Relations & Ethics
3,409 SF
Zone 1: Patient Relations
13
Other Health Professionals
1,030 SF
41
Public Areas & Staff Amenities
1,273 SF
Zone 8: Washrooms (Distributed)
41
Public Areas & Staff Amenities
221 SF
Zone 8: Washrooms (Distributed)
03B
MNC: Mother Baby and Birthing Units
26,707 SF
Zone 3: Mother Baby Unit
38
Materials Management
219 SF
12
Medical Imaging
22,489 SF
Zone 5: Interventional Radiology
26
Medical Staff Facilities
2,398 SF
Zone 6: Surgery Offices
Area 6: Vascular Surgery
ROOF
12
Medical Imaging
3,047 SF
Zone 5: Interventional Radiology
0
Washington
291 SF
26
Medical Staff Facilities
6,318 SF
Zone 2: Anesthesia Offices
17
Central Medical Student and Resident Facilities
185 SF
Zone 5 Surgical On-Call Facilities
Anesthesia On-Call Room
38
Materials Management
296 SF
02
Critical Care
2,657 SF
Offices
Learner Facilities
EXTERIOR OPEN TO BELOW
OPEN TO BELOW
17
Central Medical Student and Resident Facilities
559 SF
Zone 1: Lounge
17
Central Medical Student and Resident Facilities
834 SF
Zone 1: Lounge
17
Central Medical Student and Resident Facilities
709 SF
Zone 1: Lounge
ROOF
ROOF
DN
STAIRS ST-01
STAIRS ST-02
STAIRS ST-03
STAIRS ST-04
STAIRS ST-05
STAIRS ST-06
STAIRS ST-07
STAIRS ST-08
STAIRS ST-09
STAIRS ST-10
STAIRS ST-11
STAIRS ST-12
STAIRS ST-13
STAIRS ST-14
STAIRS ST-15
SHAFT
ELEVATOR
PUBLIC ELEVATOR
CHUTE
LAN
ELEC
A-6.601
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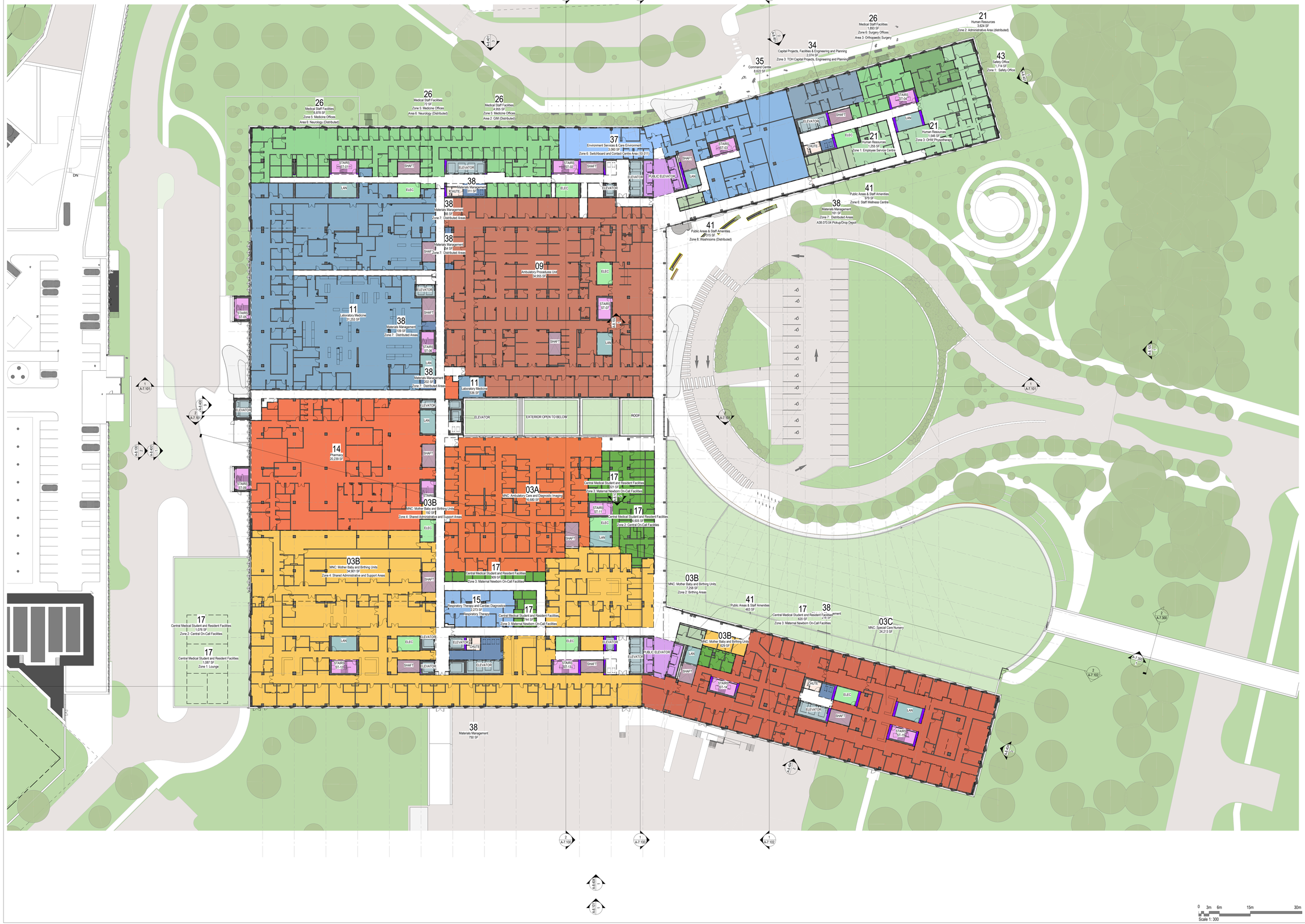
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Medical Staff Facilities
1,883 SF
Zone 6: Surgery Offices
Area 3: Orthopaedic Surgery
21
Human Resources
3,624 SF
Zone 2: Administrative Area (distributed)
34
Capital Projects, Facilities & Engineering and Planning
2,074 SF
Zone 3: TOH Capital Projects, Engineering and Planning
35
Command Centre
8,622 SF
43
Safety Office
1,714 SF
Zone 1: Safety Office
26
Medical Staff Facilities
12 SF
Zone 5: Medicine Offices
Area 6: Neurology (Distributed)
26
Medical Staff Facilities
4,995 SF
Zone 5: Medicine Offices
Area 2: GIM (Distributed)
37
Environment Services & Care Environment
3,060 SF
Zone 6: Switchboard and Contact Centre Area (10,311)
26
Medical Staff Facilities
6,678 SF
Zone 5: Medicine Offices
Area 6: Neurology (Distributed)
21
Human Resources
1,595 SF
Zone 3: OHW Physiotherapy
21
Human Resources
1,255 SF
Zone 1: Employee Service Centre
41
Public Areas & Staff Amenities
979 SF
Zone 6: Staff Wellness Centre
38
Materials Management
161 SF
Zone 7: Distributed Areas
A38.070.04 Pickup/Drop Depot
41
Public Areas & Staff Amenities
915 SF
Zone 8: Washrooms (Distributed)
38
Materials Management
311 SF
38
Materials Management
95 SF
Zone 7: Distributed Areas
38
Materials Management
64 SF
Zone 7: Distributed Areas
09
Ambulatory Procedures Unit
34,955 SF
11
Laboratory Medicine
31,253 SF
38
Materials Management
179 SF
Zone 7: Distributed Areas
38
Materials Management
1002 SF
Zone 7: Distributed Areas
11
Laboratory Medicine
536 SF
14
Pharmacy
20,239 SF
03A
MNC: Ambulatory Care and Diagnostic Imaging
16,680 SF
03B
MNC: Mother Baby and Birthing Units
192 SF
Zone 4: Shared Administrative and Support Areas
17
Central Medical Student and Resident Facilities
3321 SF
Zone 3: Maternal Newborn On-Call Facilities
17
Central Medical Student and Resident Facilities
24,405 SF
Zone 2: Central On-Call Facilities
03B
MNC: Mother Baby and Birthing Units
34,901 SF
Zone 4: Shared Administrative and Support Areas
17
Central Medical Student and Resident Facilities
909 SF
Zone 3: Maternal Newborn On-Call Facilities
15
Respiratory Therapy and Cardiac Diagnostics
2,273 SF
Respiratory Therapy
17
Central Medical Student and Resident Facilities
744 SF
Zone 3: Maternal Newborn On-Call Facilities
17
Central Medical Student and Resident Facilities
1,076 SF
Zone 2: Central On-Call Facilities
17
Central Medical Student and Resident Facilities
1,087 SF
Zone 1: Lounge
03B
MNC: Mother Baby and Birthing Units
7,258 SF
Zone 2: Birthing Areas
41
Public Areas & Staff Amenities
463 SF
17
Central Medical Student and Resident Facilities
620 SF
Zone 3: Maternal Newborn On-Call Facilities
38
Materials Management
476 SF
03C
MNC: Special Care Nursery
24,213 SF
03B
MNC: Mother Baby and Birthing Units
629 SF
38
Materials Management
561 SF
38
Materials Management
750 SF
ELEVATOR
SHAFT
STAIRS
ELEC
LAN
CHUTE
PUBLIC ELEVATOR
EXTERIOR OPEN TO BELOW
ROOF
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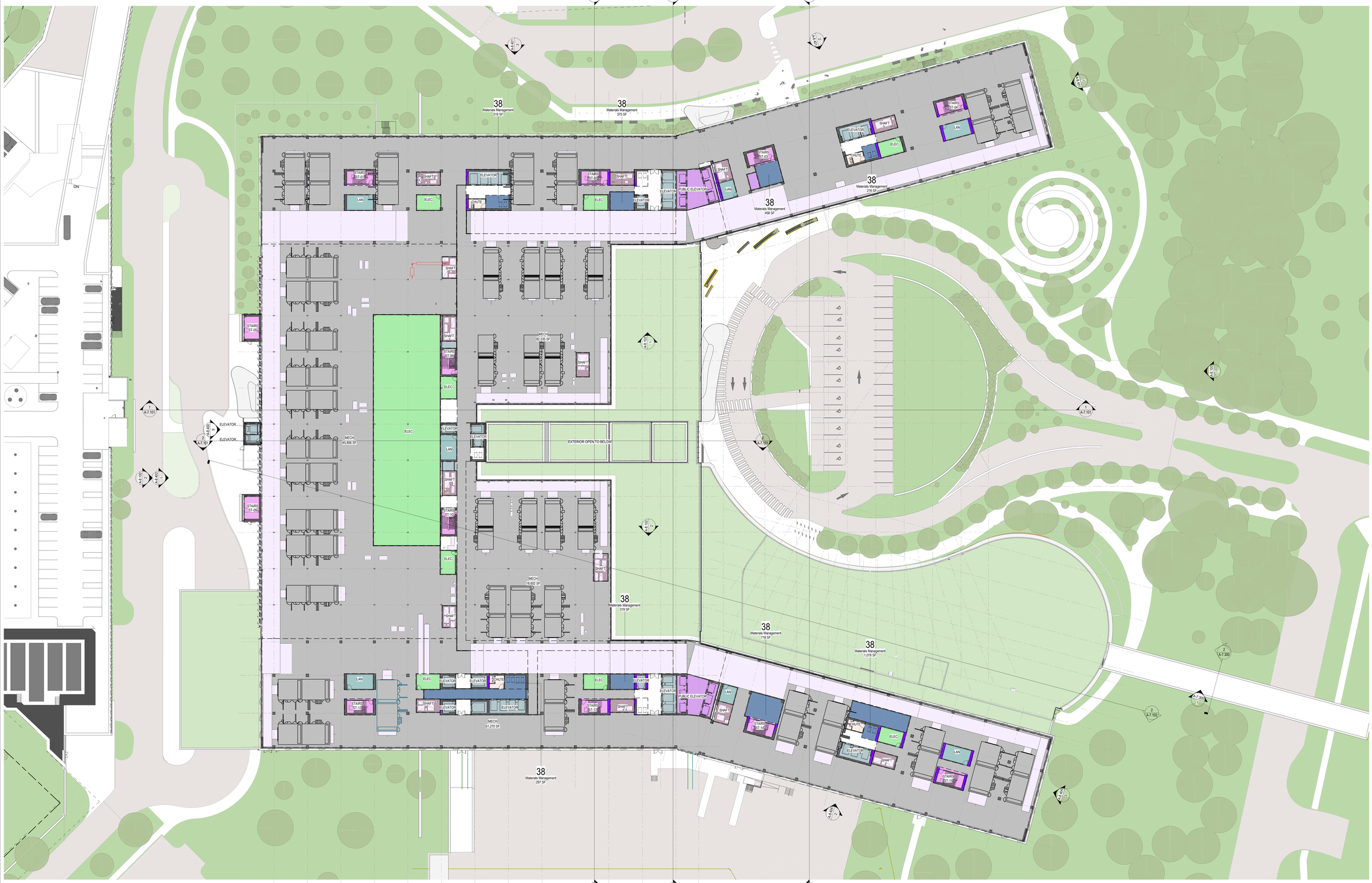

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300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

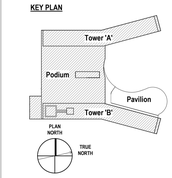
DEPARTMENT AREAS - LEVEL 4

DEPARTMENT No.	DEPARTMENT NAME	AREA (CDSF)
38	Materials Management	4,631 SF

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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2	2022-06-30	ISSUED FOR 3A1-1
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4	2022-10-28	DRAFT FOR 90% SD
5	2022-11-30	ISSUED FOR SPC and FLUIDA - 1st Submission
6	2023-12-02	ISSUED FOR 3A1-2
7	2023-04-14	ISSUED FOR SPC and FLUIDA APPROVAL

Project Number	10333382
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
KIRSTEN SCHWENKE
LICENCE
8044

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 04

Sheet Number

A-4.2.104

Project Status

STAGE 3

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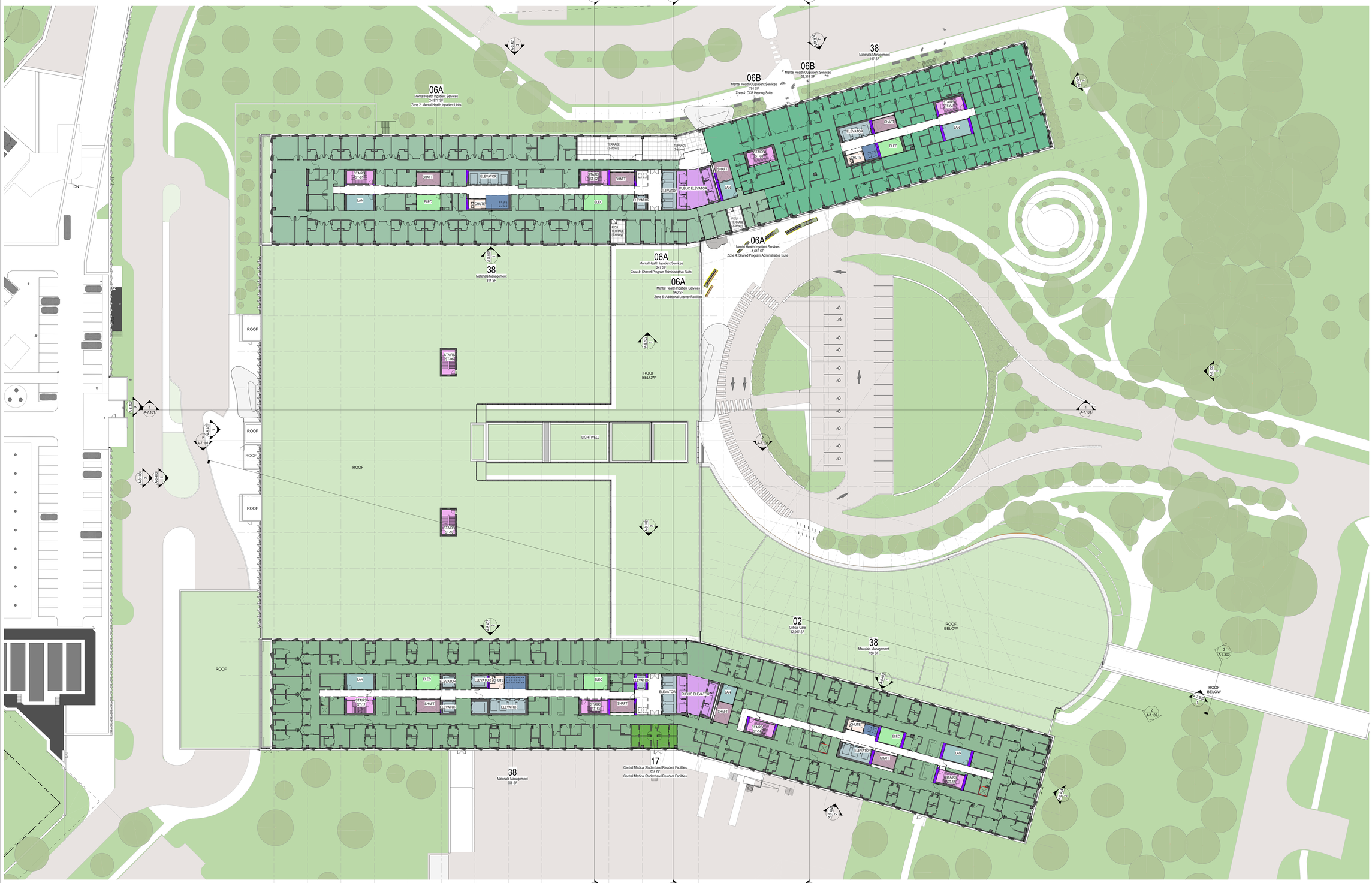

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HDR

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300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

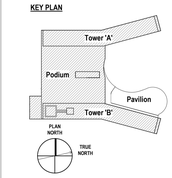
DEPARTMENT AREAS - LEVEL 5

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
02	Critical Care	52,997 SF
06A	Mental Health Inpatient Services	27,799 SF
06B	Mental Health Outpatient Services	23,104 SF
17	Central Medical Student and Resident Facilities	931 SF
38	Materials Management	966 SF

THE OTTAWA HOSPITAL
NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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7	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
ASSOCIATION DES ARCHITECTES DE L'ONTARIO
LICENCE 8094

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

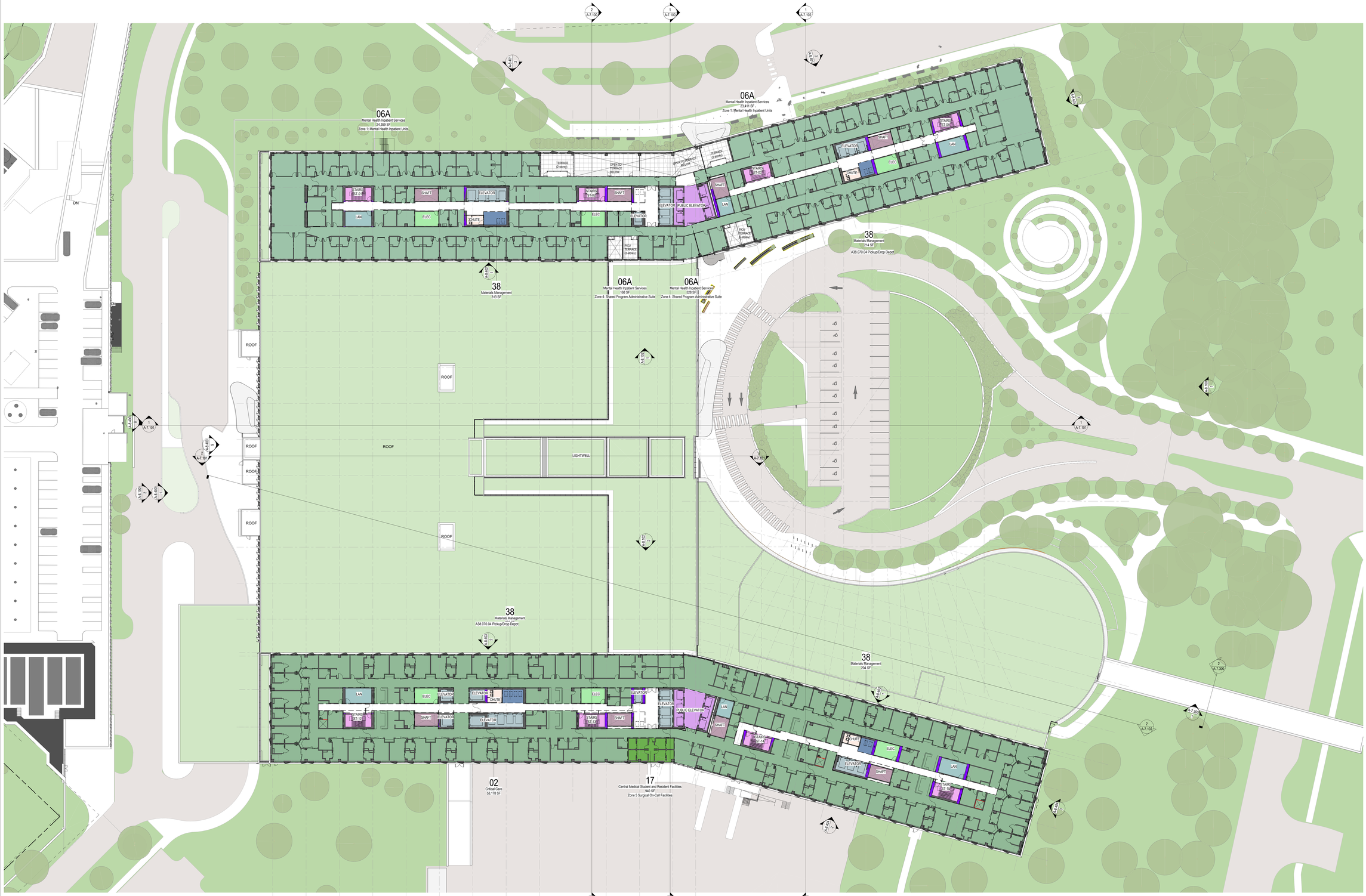
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 05

Sheet Number

A-4.2.105

Project Status

STAGE 3



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HDR

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

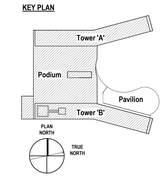
DEPARTMENT AREAS - LEVEL 6

DEPARTMENT No.	DEPARTMENT NAME	AREA (CDSF)
02	Critical Care	53,178 SF
06A	Mental Health Inpatient Services	48,465 SF
17	Central Medical Student and Resident Facilities	940 SF
38	Materials Management	1,024 SF

THE OTTAWA HOSPITAL
NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-10-28	DRAFT FOR 90% SD
5	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
6	2022-12-02	ISSUED FOR 3A1-2
7	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
ASSOCIATION DES ARCHITECTES DE L'ONTARIO
LICENCE 8094

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

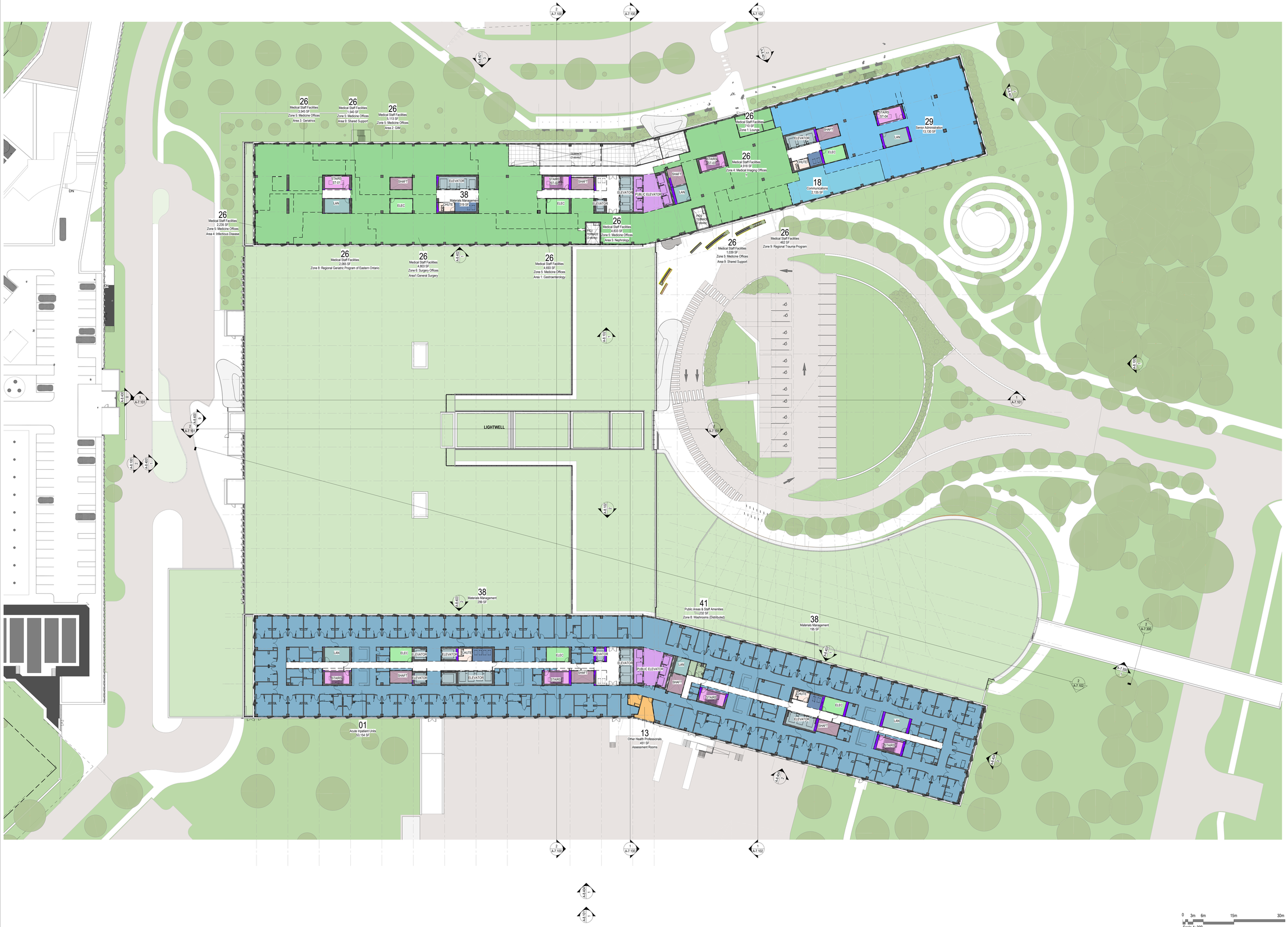
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 06

Sheet Number

A-4.2.106

Project Status

STAGE 3



0 3m 6m 15m 30m
Scale 1: 300

HDR

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

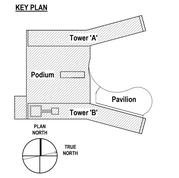
DEPARTMENT AREAS - LEVEL 7

DEPARTMENT No.	DEPARTMENT NAME	AREA (GGSF)
01	Acute Inpatient Units	53,154 SF
13	Other Health Professionals	451 SF
18	Communications	2,135 SF
26	Medical Staff Facilities	35,957 SF
29	Senior Administration	13,130 SF
38	Materials Management	1,009 SF
41	Public Areas & Staff Amenities	232 SF

THE OTTAWA HOSPITAL
NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-10-28	DRAFT FOR 90% SD
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6	2022-12-02	ISSUED FOR 3A1-2
7	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number: 10333982
Original Issue: 2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
LICENSED OR REGISTERED ARCHITECT
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 07

Sheet Number
A-4.2.107

Project Status
STAGE 3

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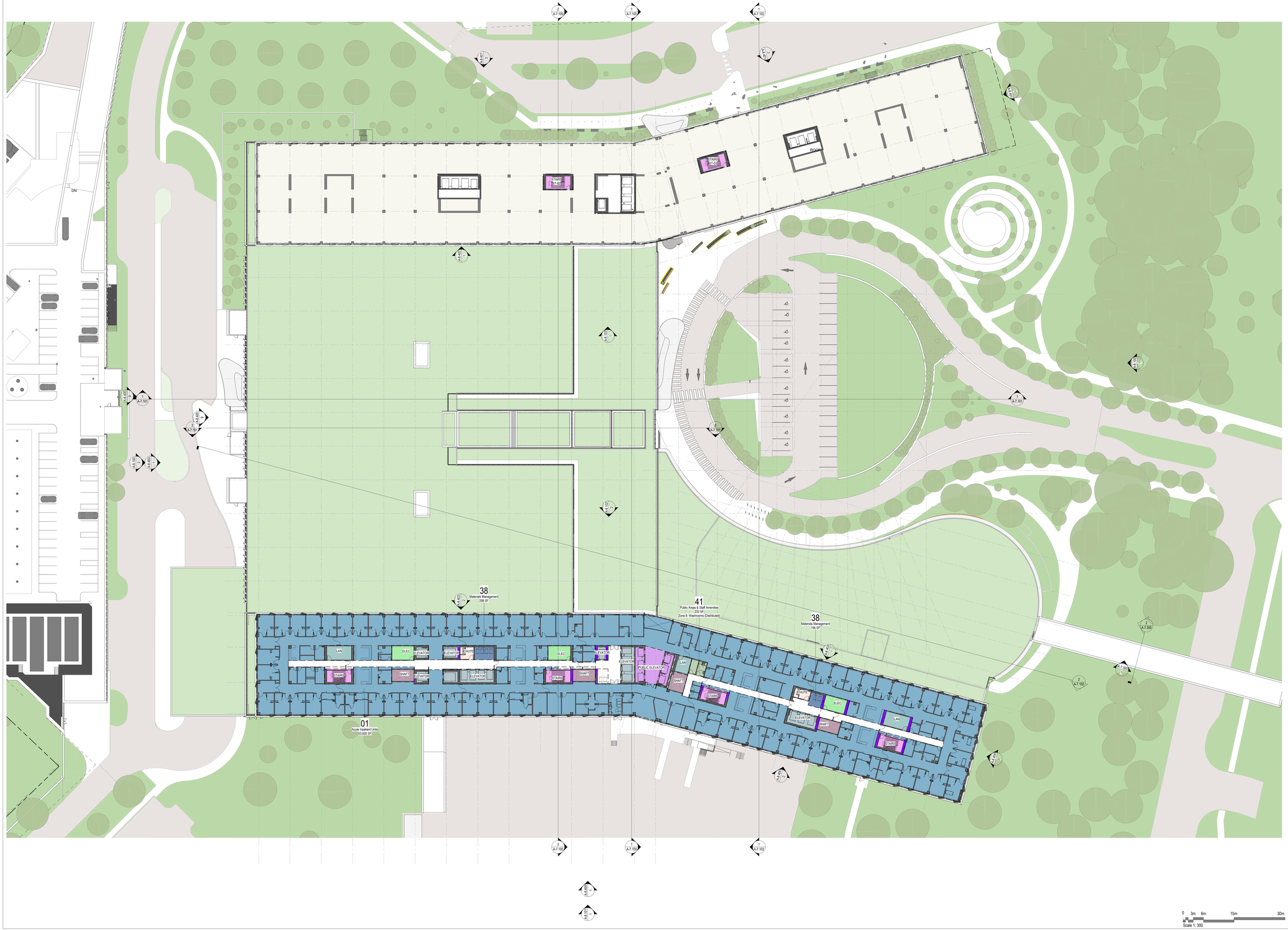


HDR

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

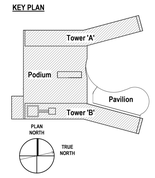
DEPARTMENT AREAS - LEVEL 8

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,605 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	232 SF

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-10-28	DRAFT FOR 90% SD
5	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
6	2022-12-02	ISSUED FOR 3A1-2
7	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 08

Sheet Number

A-4.2.108

Project Status

STAGE 3

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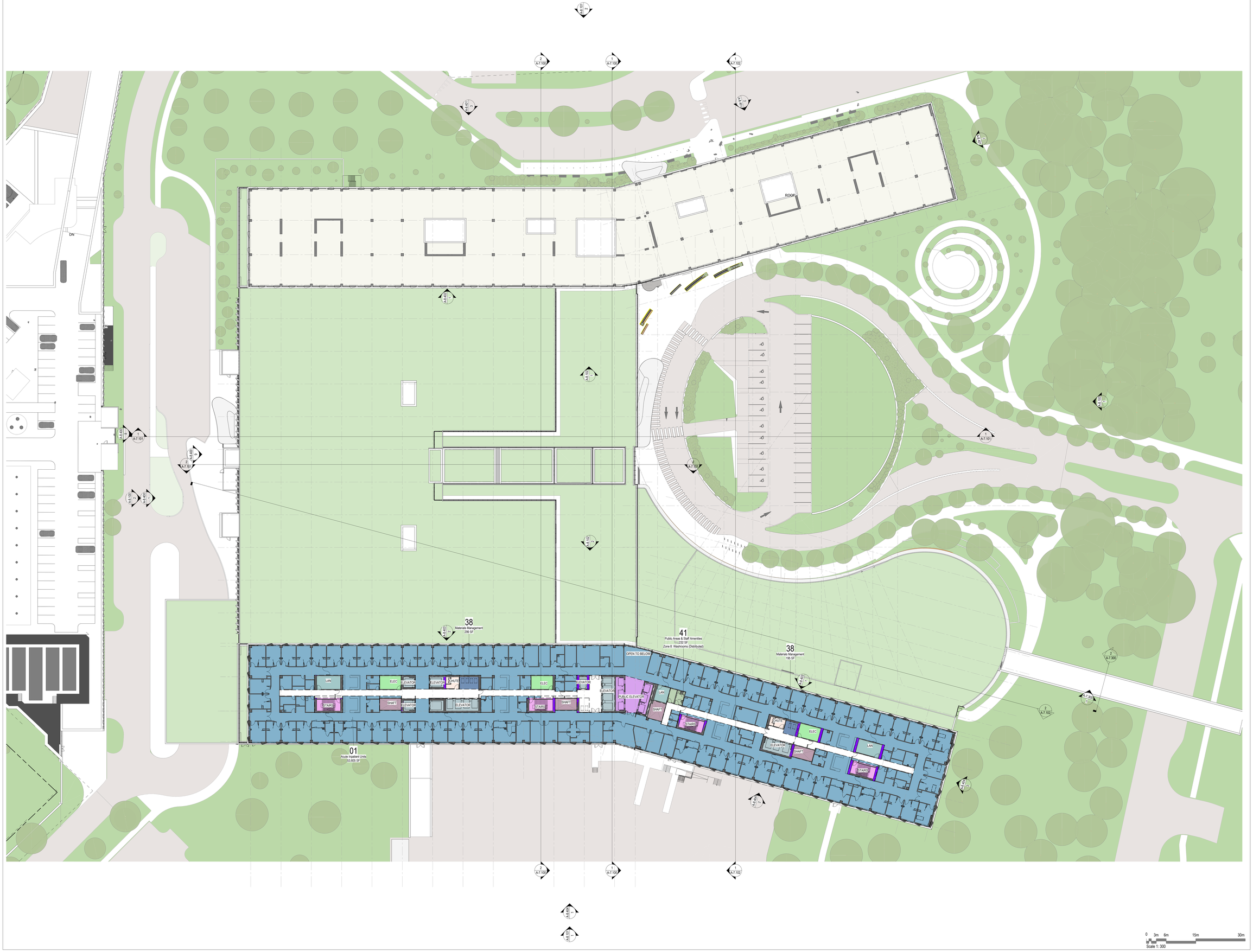


HDR

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

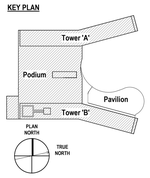
DEPARTMENT AREAS - LEVEL 9

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,605 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	232 SF

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 09

Sheet Number

A-4.2.109

Project Status

STAGE 3

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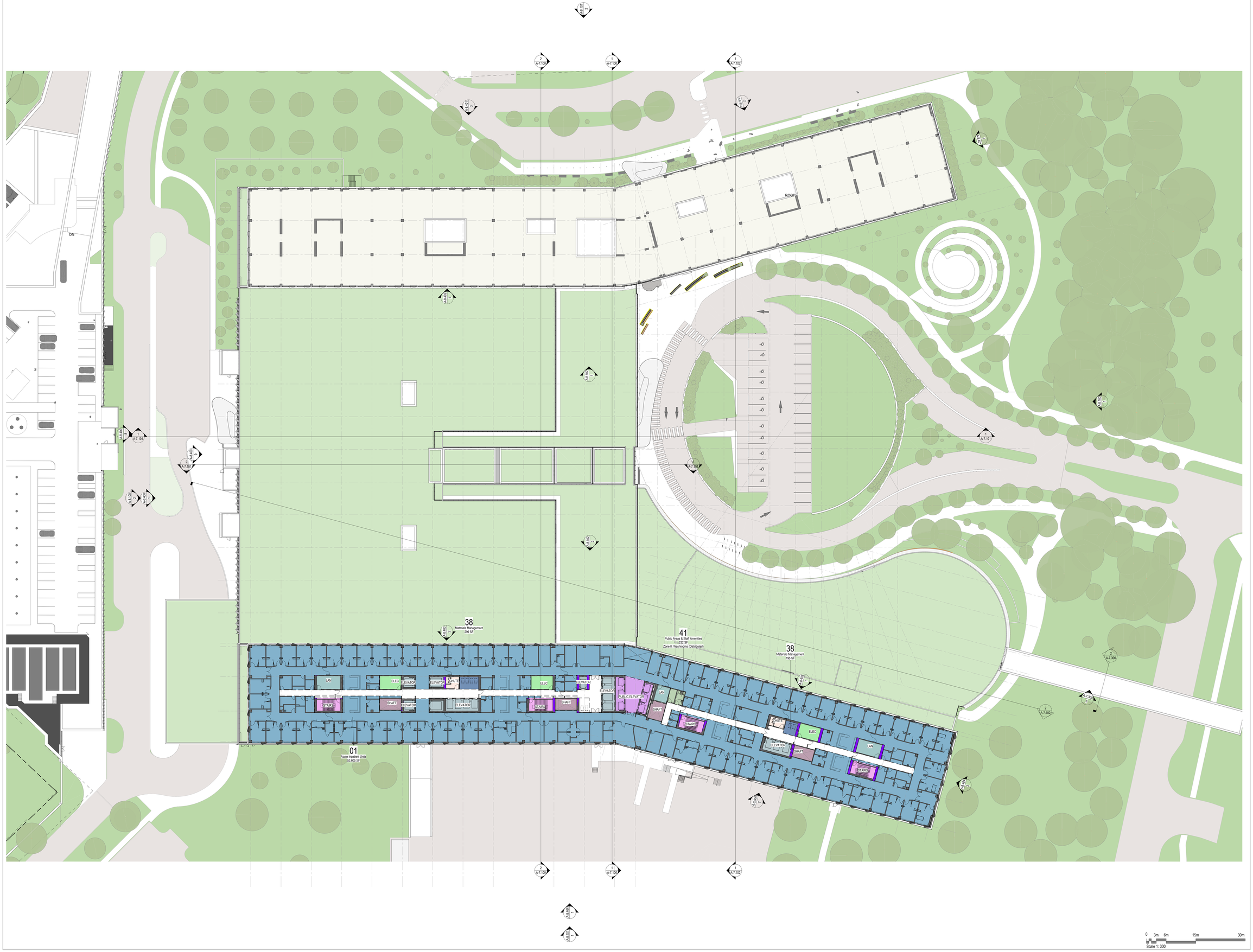


HDR

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

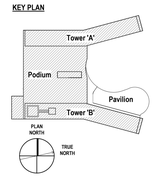
DEPARTMENT AREAS - LEVEL 10

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,605 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	232 SF

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 10

Sheet Number

A-4.2.110

Project Status

STAGE 3

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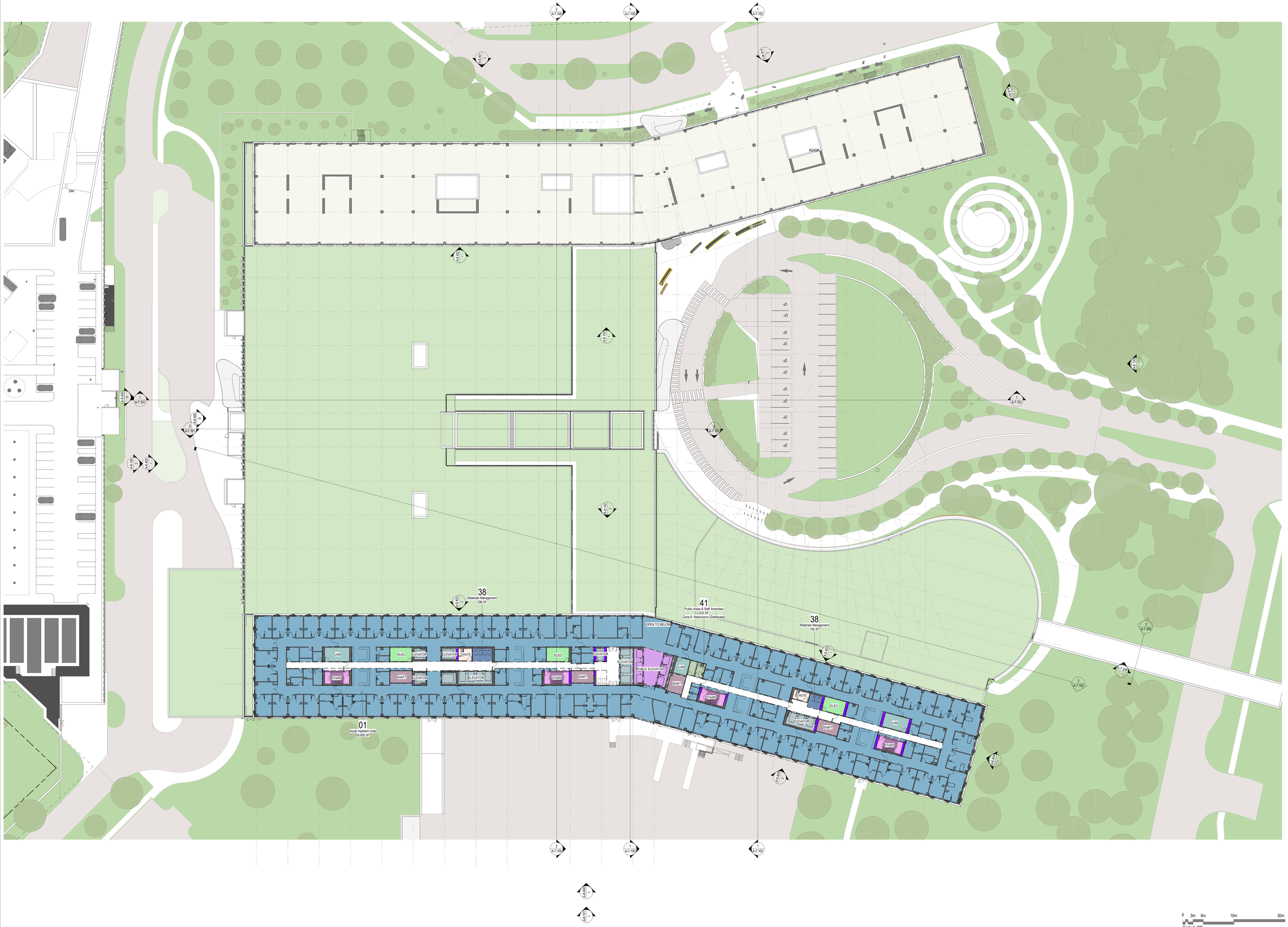


HDR

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

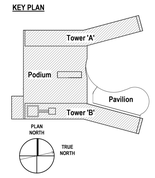
DEPARTMENT AREAS - LEVEL 11

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,605 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	232 SF

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 11

Sheet Number

A-4.2.111

Project Status

STAGE 3

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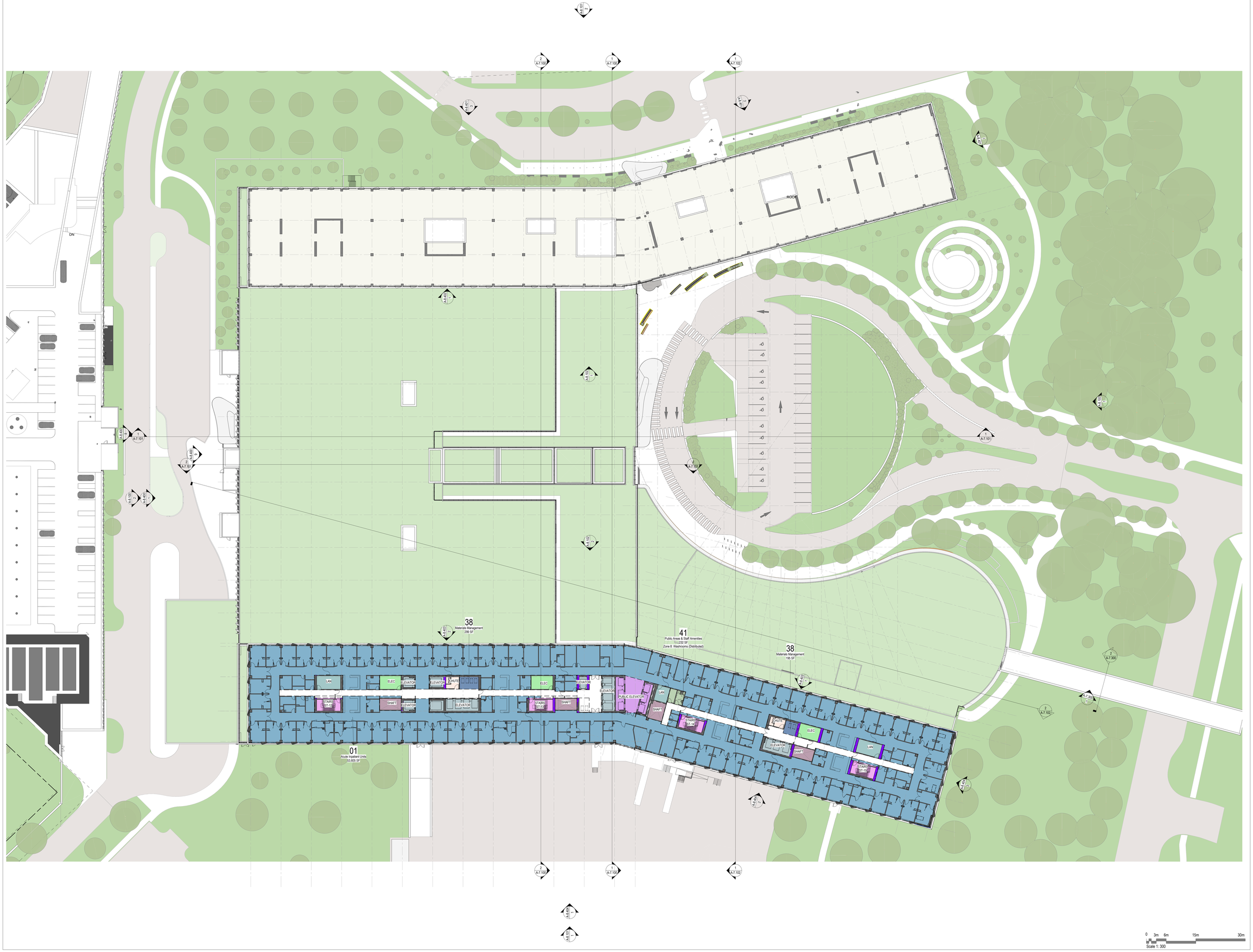

HDR

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300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

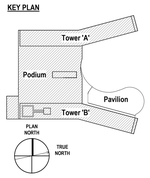
DEPARTMENT AREAS - LEVEL 12

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,605 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	232 SF

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 12

Sheet Number

A-4.2.112

Project Status

STAGE 3

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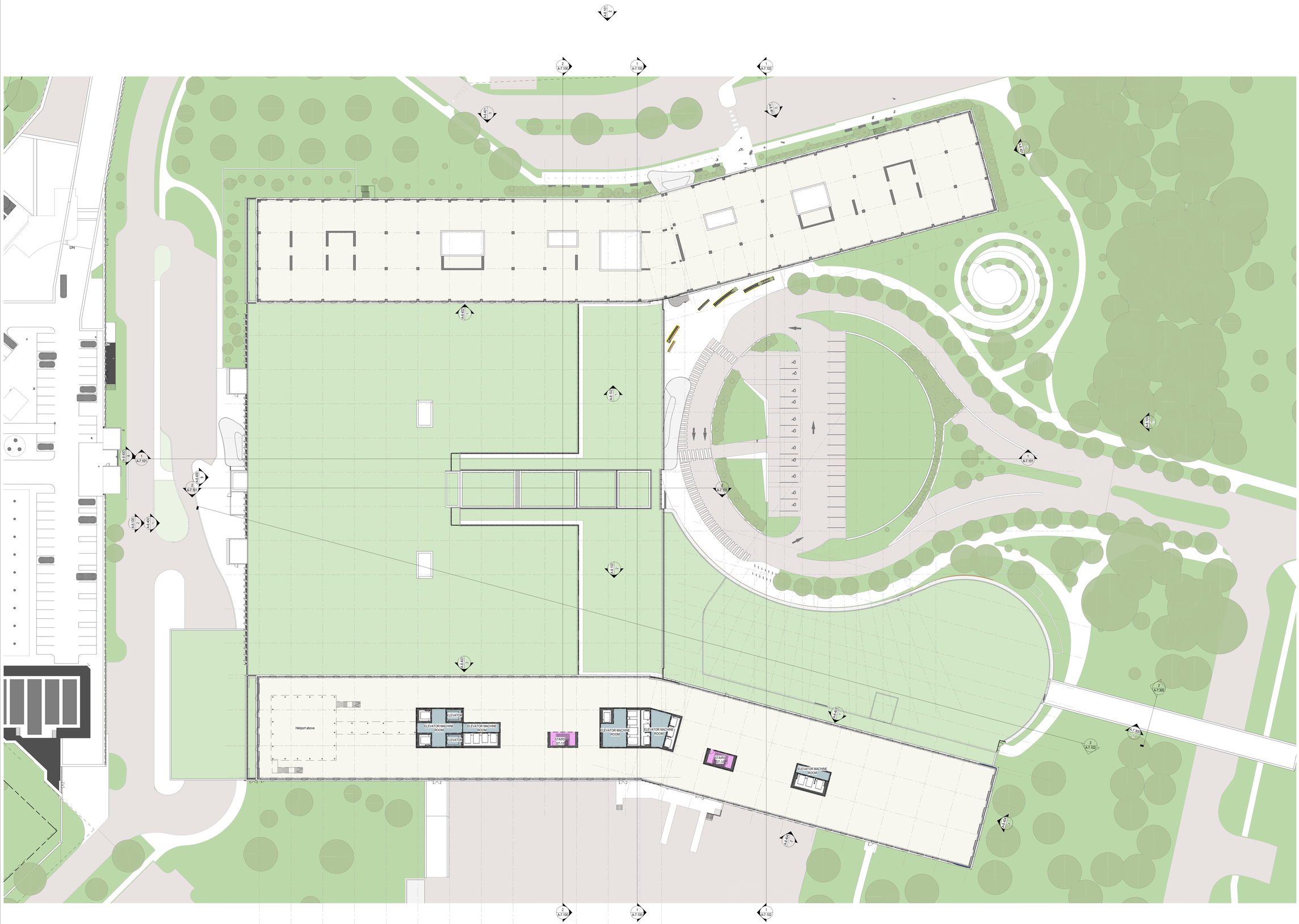
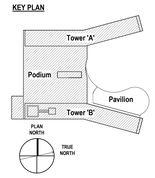


HDR Architecture Associates Inc.
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	05/11/22

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 13

Sheet Number

A-4.2.113

Project Status

STAGE 3

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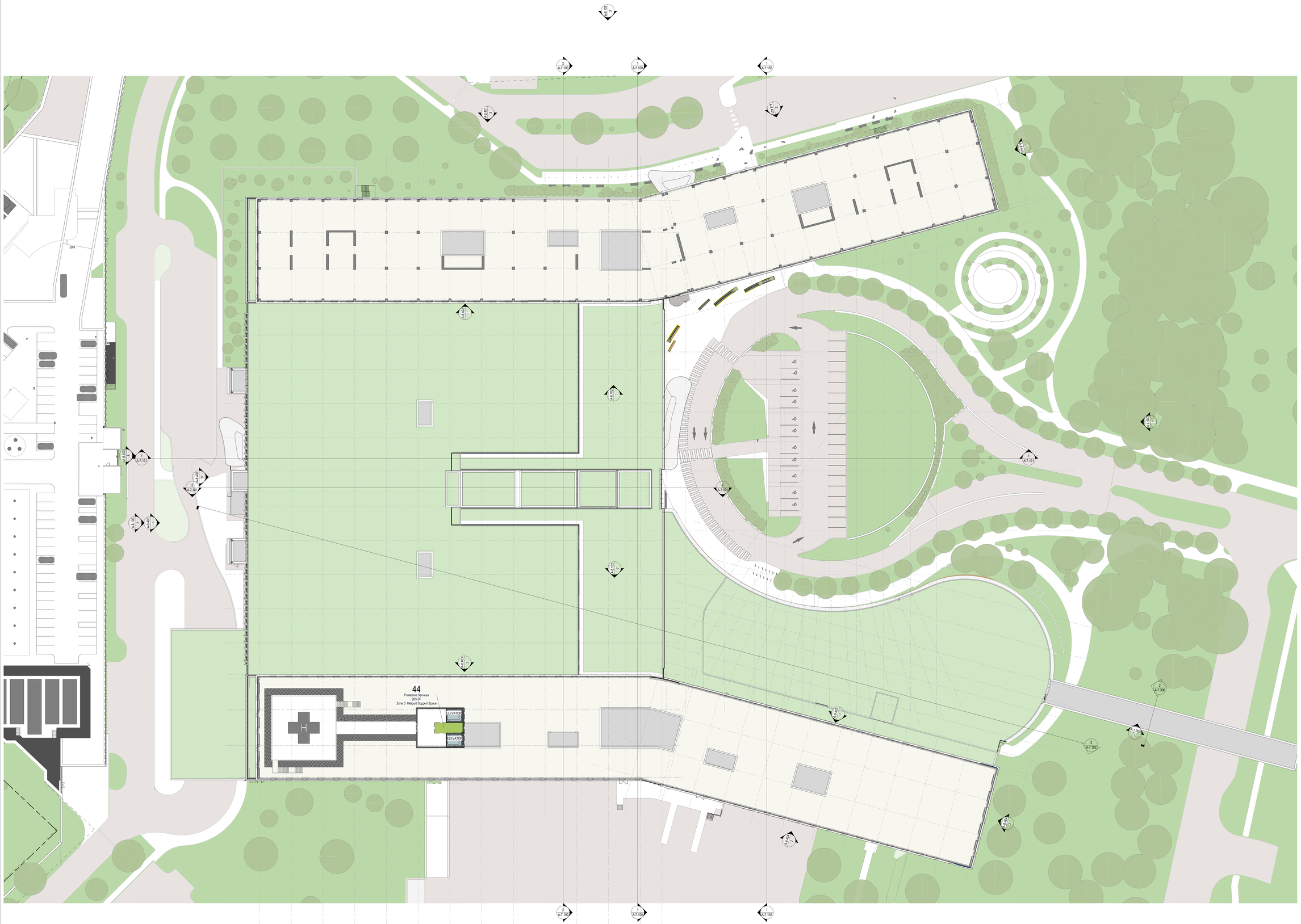
44
Protective Services
265 SF
Zone 5: Heliport Support Space
ELEVATOR
ELEVATOR
DN
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A-7.101
A-7.102
A-4.600
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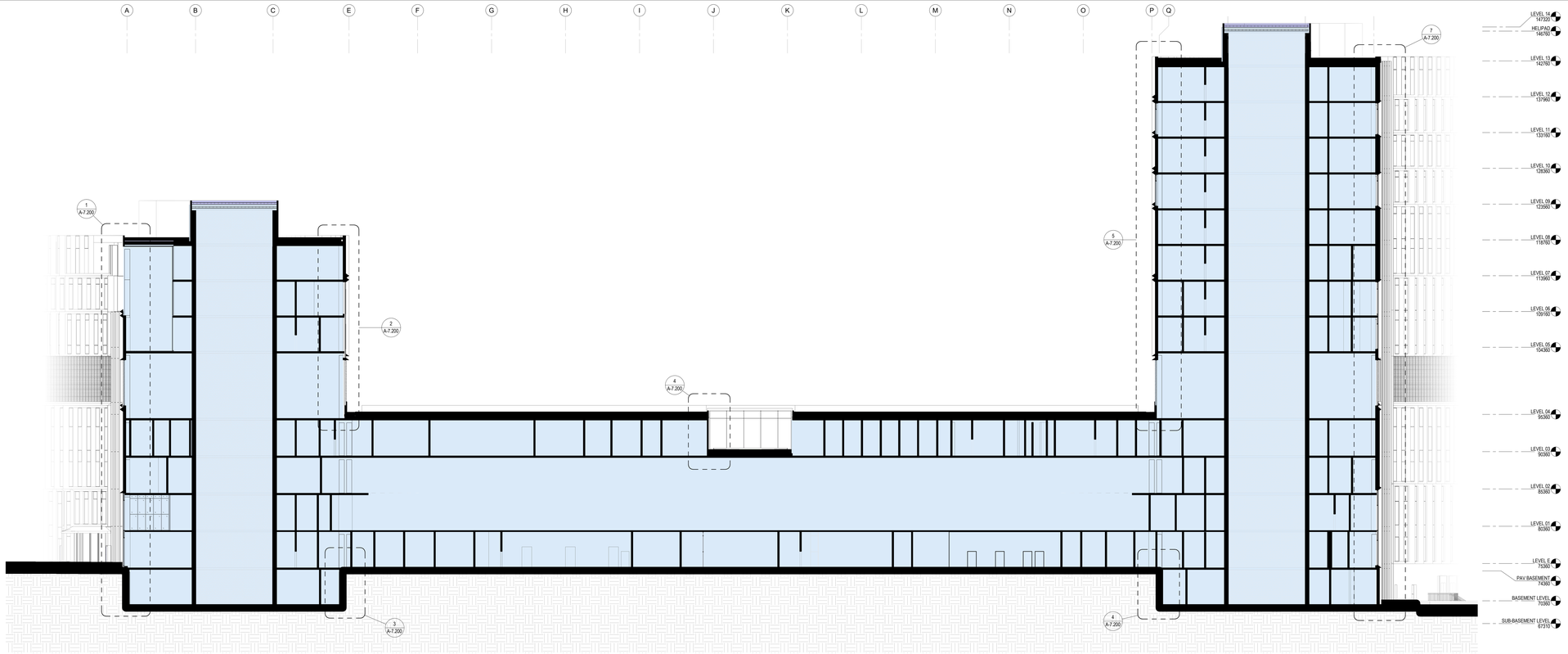

1 BUILDING SECTION THRU CONCOURSE N-S

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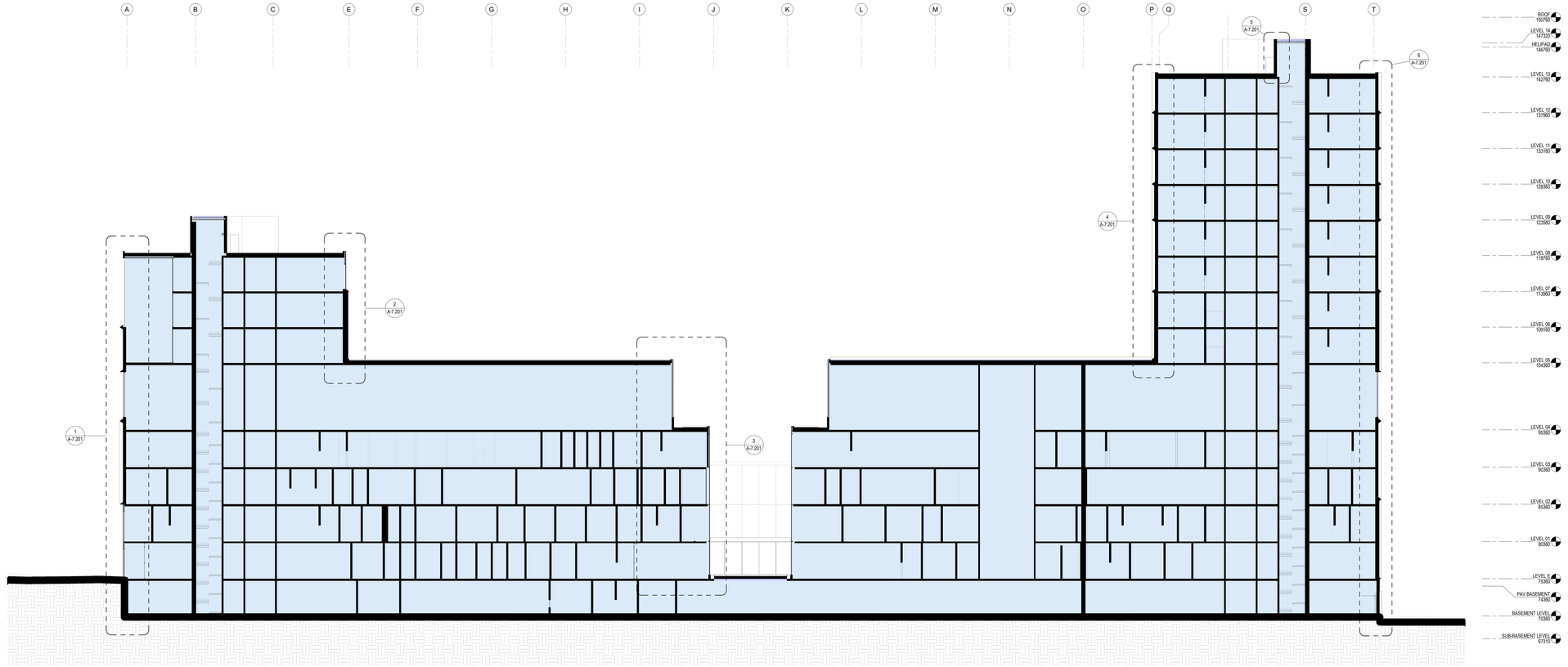


2 BUILDING SECTION THRU LIGHT WELL N-S

1 : 200

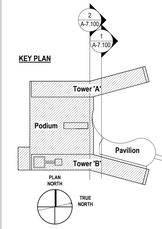
0 3m 6m 15m 30m

Scale 1: 300

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

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-02-24	ISSUED FOR RFP VERSION 1.0
7	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	05/26/22

ONTARIO ASSOCIATION OF ARCHITECTS
ASSOCIATION DES ARCHITECTES DE L'ONTARIO
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

BUILDING SECTIONS

Sheet Number

A-7.100

Project Status

STAGE 3

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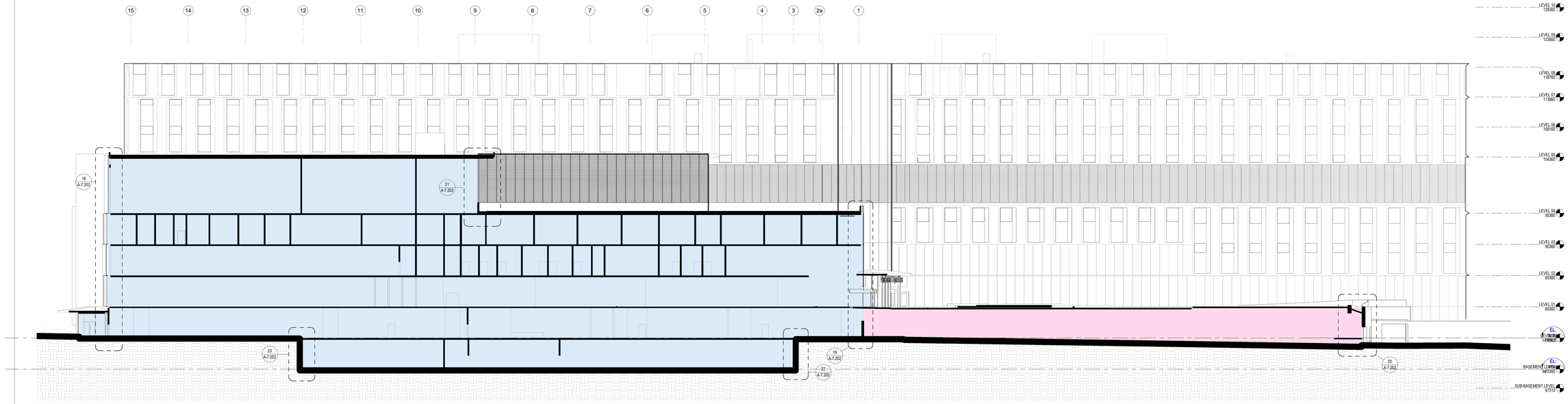

1 BUILDING SECTION THRU CONCOURSE E-W

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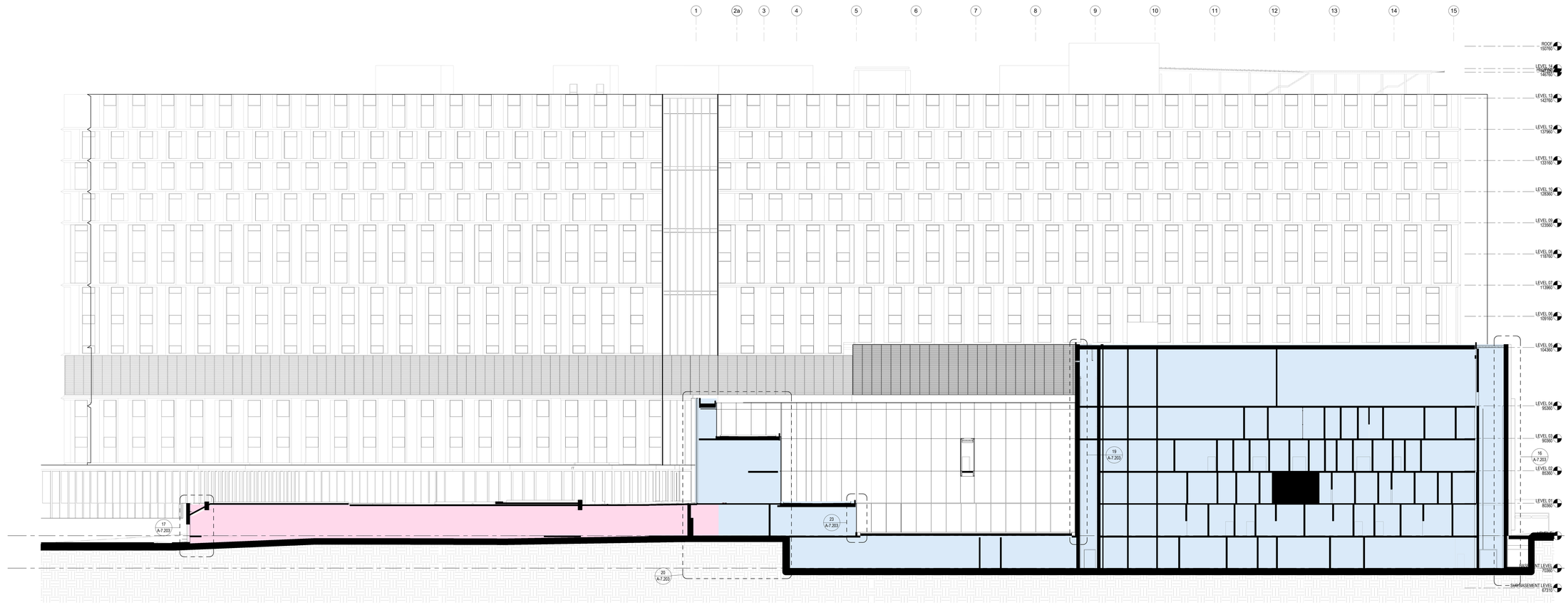


2 BUILDING SECTION THRU LIGHT WELL E-W

1 : 200

0 3m 6m 15m 30m

Scale 1: 300

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

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION
4	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	05/09/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

BUILDING SECTIONS

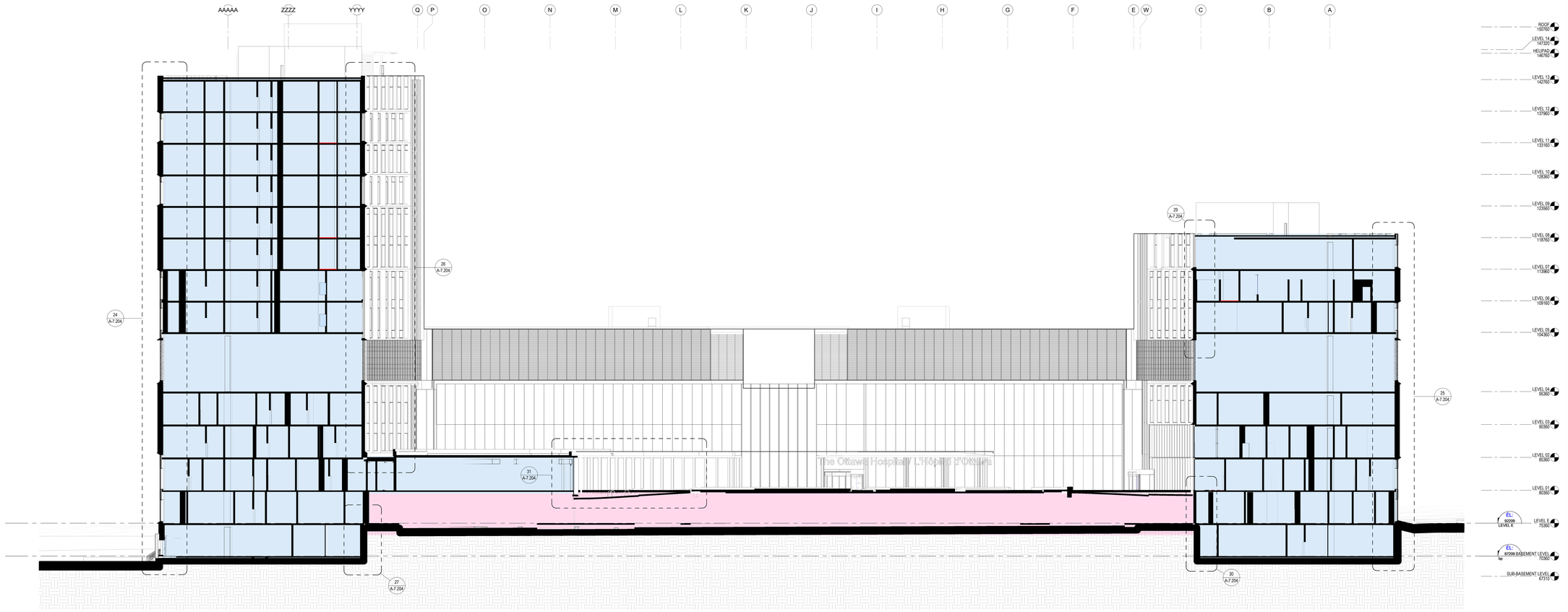
Sheet Number

A-7.101

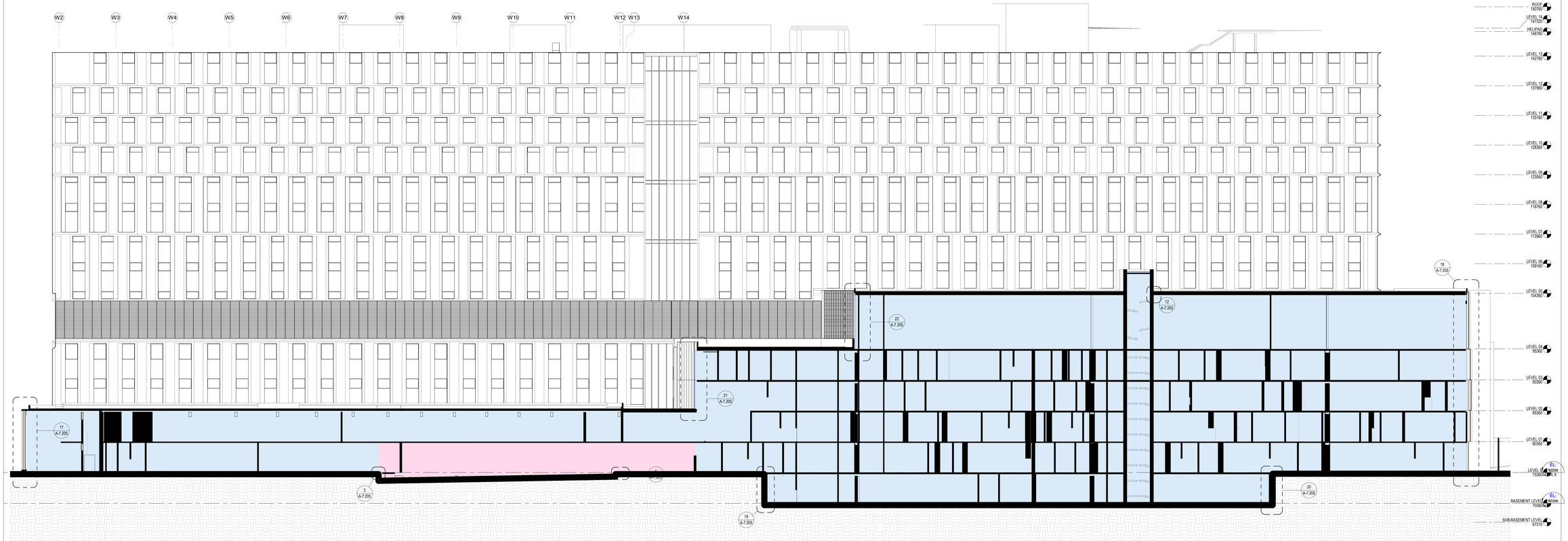
Project Status

STAGE 3

13/10/2023 8:34:05 AM BIM 360://10333982_TOH New CD PDC_2021/10333982-TOH_CC_PDC_ARCH_RVT2021.rvt



1 BUILDING SECTION - PAVILION - E/W
1 : 200



2 BUILDING SECTION - PAVILION - N/S
1 : 200

0 3m 6m 15m 30m
Scale 1: 300

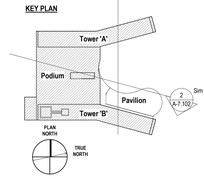
HDR

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

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-09-23	ISSUED FOR PRE-CONSULTATION
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3	2022-12-02	ISSUED FOR 3A1-2
4	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	08/31/22

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

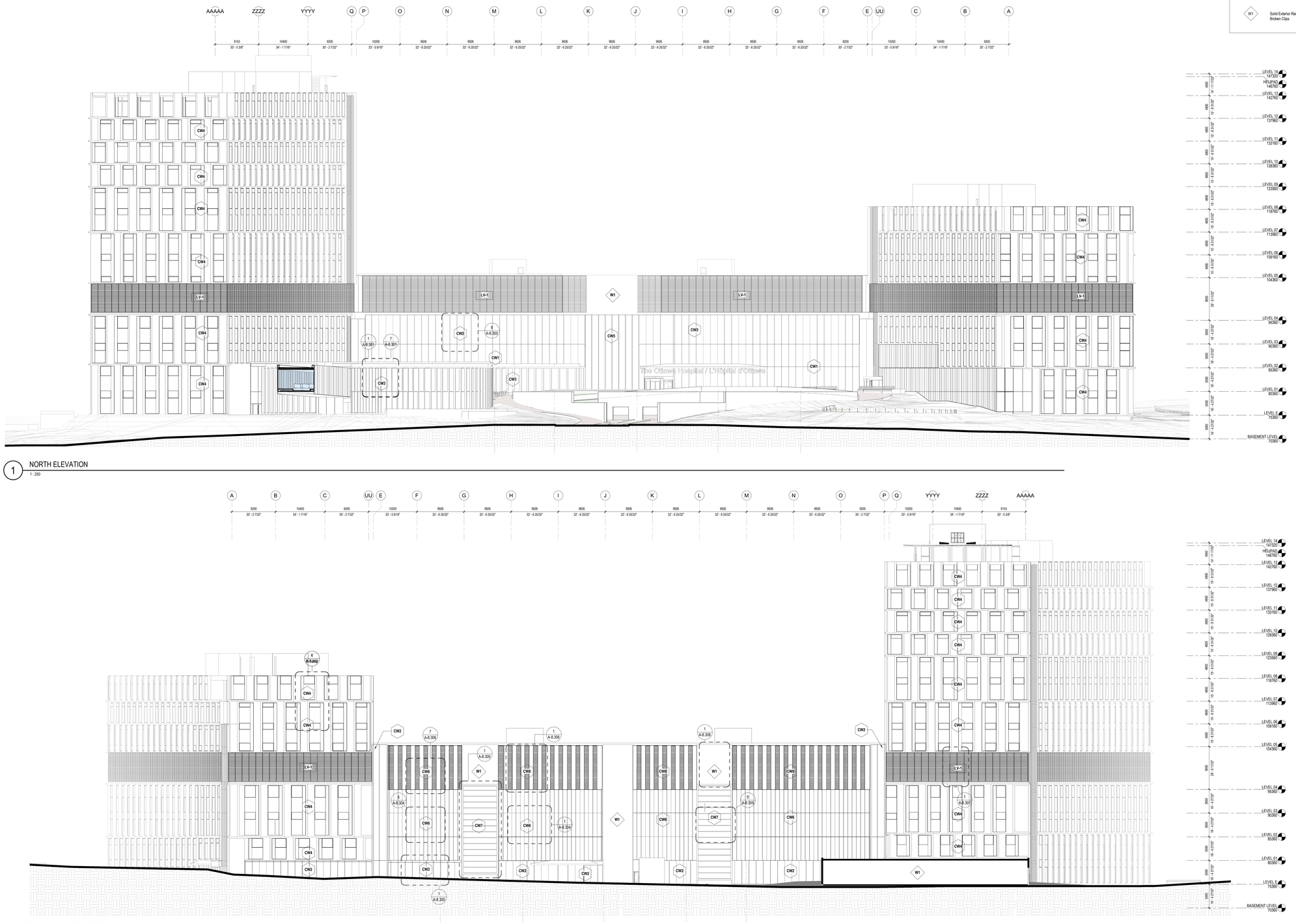
Sheet Name
BUILDING SECTIONS

Sheet Number
A-7.102

Project Status
STAGE 3

11/30/2022 7:43:30 AM BIM 360://10333982_TOH New CC PDC_2021/10333982-TOH_CC_PDC_ARCH_RVT2021.rvt

CW1	4SSG Curtain Wall Casette Assembly - High Span Structural Steel Supported
CW2	4SSG Curtain Wall Assembly
CW3	2SSG Curtain Wall Assembly w/ 100mm x 510mm Vertical Fins
CW4	Unitized Wall Panel w/ Zero-Sightline Glazing, Spandrel Shadow box and Formed Metal Panel Assembly
CW5	2SSG Curtain Wall Casette Assembly w/ 150mm Fin - High-Span Structural Steel Supported
CW6	Unitized Wall Panel w/ Zero-Sightline Glazing, Spandrel Shadow box and Formed Metal Panel Assembly
CW7	SSG Curtain Wall Assembly w/ Horizontal Solar Shade Louvers
CW8	Unitized Wall Panel w/ LV-1 and Formed Metal Panel Assembly
W1	Solid Exterior Rainscreen Assembly w/ Thermally Broken Clips



1 NORTH ELEVATION
1 : 250

2 SOUTH ELEVATION
1 : 250

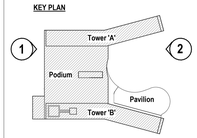
0 3m 6m 15m 30m
Scale 1: 300

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

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
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6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	02/01/22

ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE 8044

PRELIMINARY
NOT FOR CONSTRUCTION

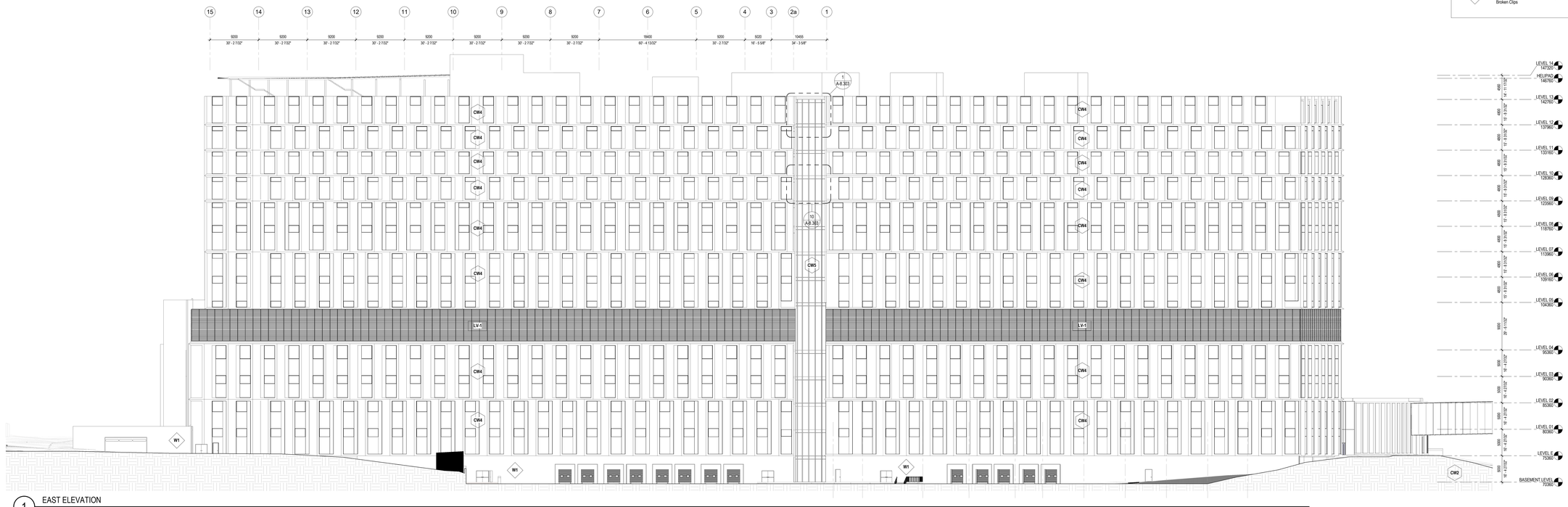
Sheet Name
NORTH & SOUTH ELEVATIONS

Sheet Number
A-8.100

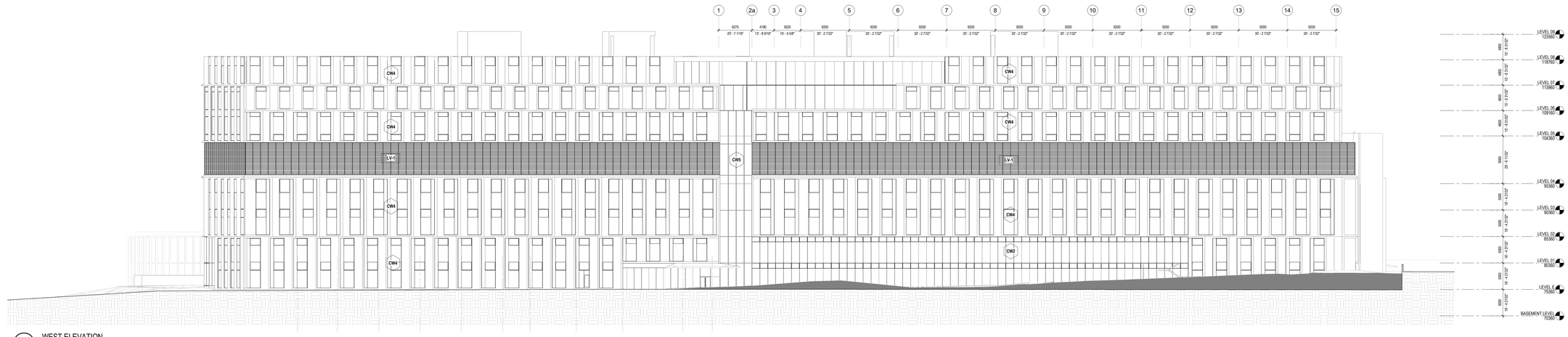
Project Status
STAGE 3

12/1/2022 9:19:08 AM BIM 360://10333982_TOH New CC PDC 20210333982TOH_CC_PDC_ARCH_RVT2021.rvt

CW1	4SSG Curtain Wall Casette Assembly - High Span Structural Steel Supported
CW2	4SSG Curtain Wall Assembly
CW3	2SSG Curtain Wall Assembly w/ 100mm x 510mm Vertical Fins
CW4	Unitized Wall Panel w/ Zero-Sightline Glazing, Spandrel Shadow box and Formed Metal Panel Assembly
CW5	2SSG Curtain Wall Casette Assembly w/ 150mm Fin - High Span Structural Steel Supported
CW6	Unitized Wall Panel w/ Zero-Sightline Glazing, Spandrel Shadow box and Formed Metal Panel Assembly
CW7	SSG Curtain Wall Assembly w/ Horizontal Solar Shade Louvers
CW8	Unitized Wall Panel w/ LV-1 and Formed Metal Panel Assembly
W1	Solid Exterior Rainscreen Assembly w/ Thermally Broken Clips



1 EAST ELEVATION
1 : 250



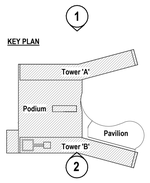
2 WEST ELEVATION
1 : 250

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

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-06-13	ISSUED FOR COSTING
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5	2022-12-02	ISSUED FOR 3A1-2
6	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	02/01/22

ONTARIO ASSOCIATION OF ARCHITECTS
LICENSED OR REGISTERED
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
EAST & WEST ELEVATIONS

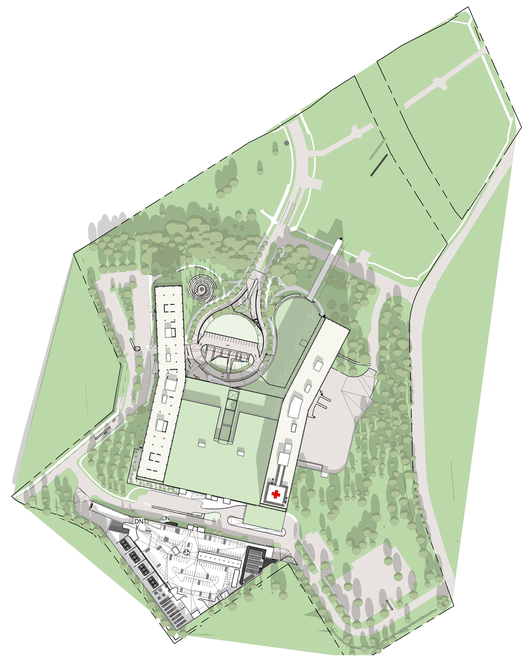
Sheet Number
A-8.101

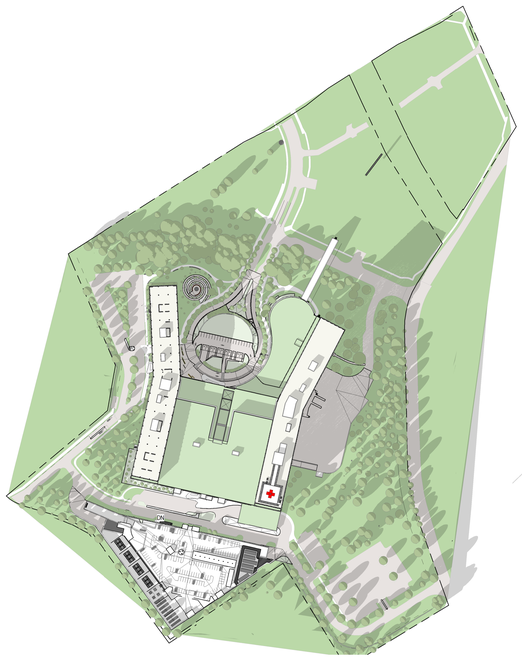
Project Status
STAGE 3

0 3m 6m 15m 30m
Scale 1: 300

12/1/2022 5:20:48 AM BIM 360://10333982_TOH New CC PDC_2021/10333982-TOH_CC_PDC_ARCH_RVT2021.rvt









0 20m 40m 100m 200m
Scale 1: 2000

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

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

TRUE NORTH
PLAN NORTH

Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-09-23	ISSUED FOR PRE-CONSULTATION
2	2022-10-28	DRAFT FOR 90% SD
3	2022-11-30	ISSUED FOR SPC and FLUDA - 1st Submission
4	2022-12-02	ISSUED FOR 3A1-2
5	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

SUN & SHADOW STUDY - MARCH 1st

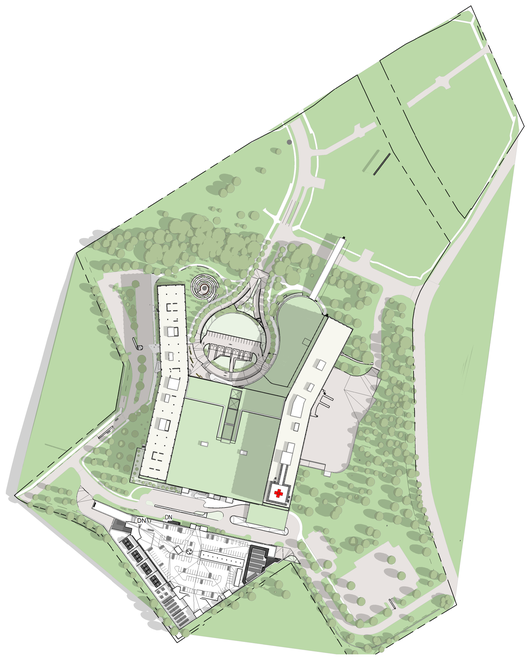
Sheet Number

AS-2.300

Project Status

STAGE 3

12/1/2022 2:53:55 AM BIM 360://10333982_TOH New CC PDC_202110333982-TOH_CC_PDC_ARCH_RVT2021.rvt









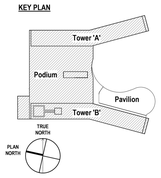
0 20m 40m 100m 200m
Scale 1: 2000

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

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
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5	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

SUN & SHADOW STUDY - JUNE 1st

Sheet Number

AS-2.301

Project Status

STAGE 3

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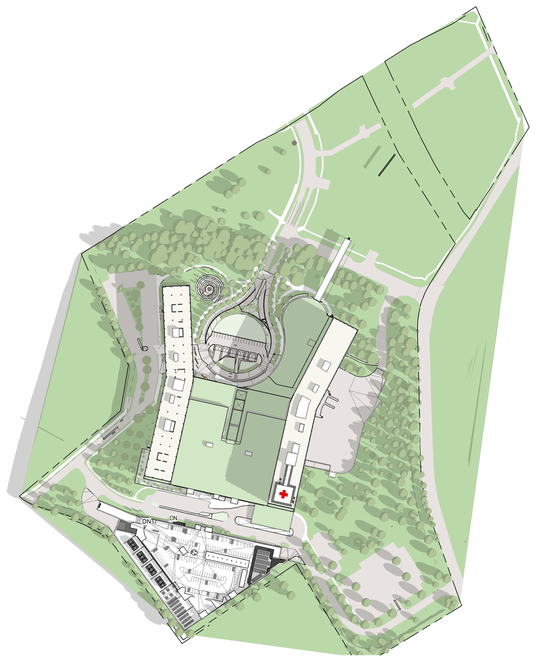
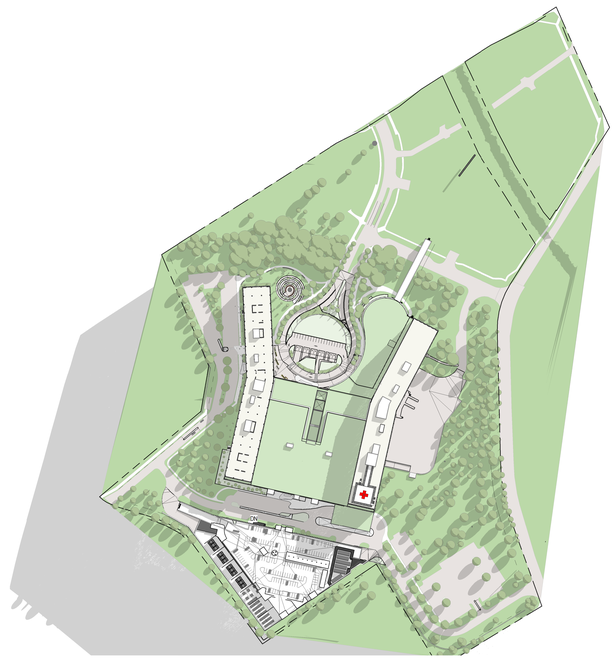








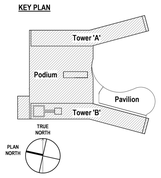
0 20m 40m 100m 200m
Scale 1: 2000

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

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-09-23	ISSUED FOR PRE-CONSULTATION
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5	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

SUN & SHADOW
STUDY - SEPTEMBER
1st

Sheet Number

AS-2.302

Project Status

STAGE 3

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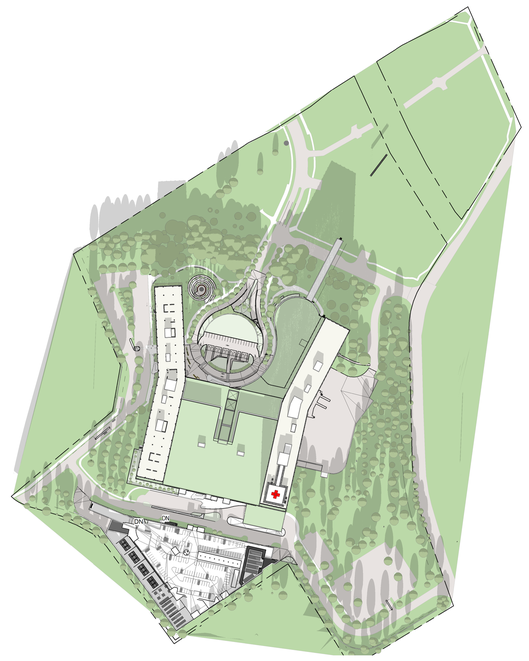
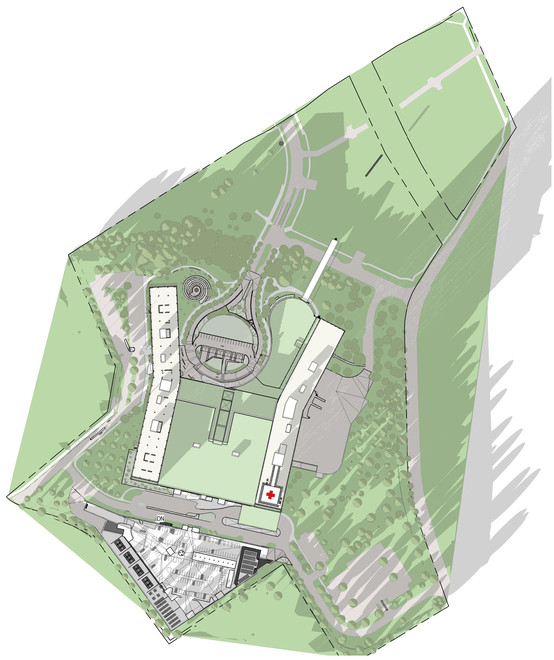
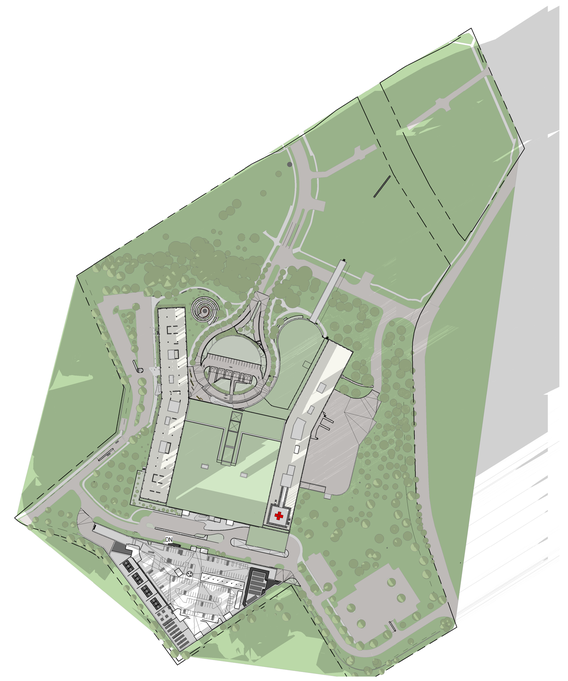






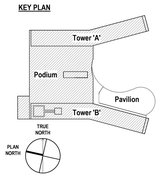
0 20m 40m 100m 200m
Scale 1: 2000

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

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	HDR
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-09-23	ISSUED FOR PRE-CONSULTATION
2	2022-10-28	DRAFT FOR 90% SD
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4	2022-12-02	ISSUED FOR 3A1-2
5	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

SUN & SHADOW STUDY - DECEMBER 1st

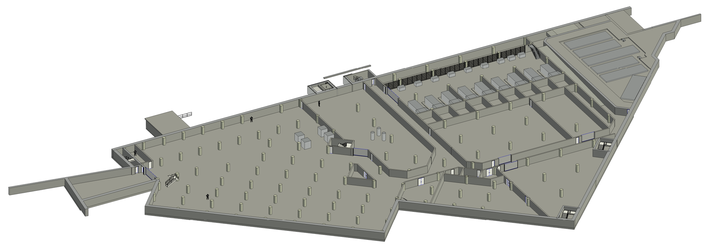
Sheet Number

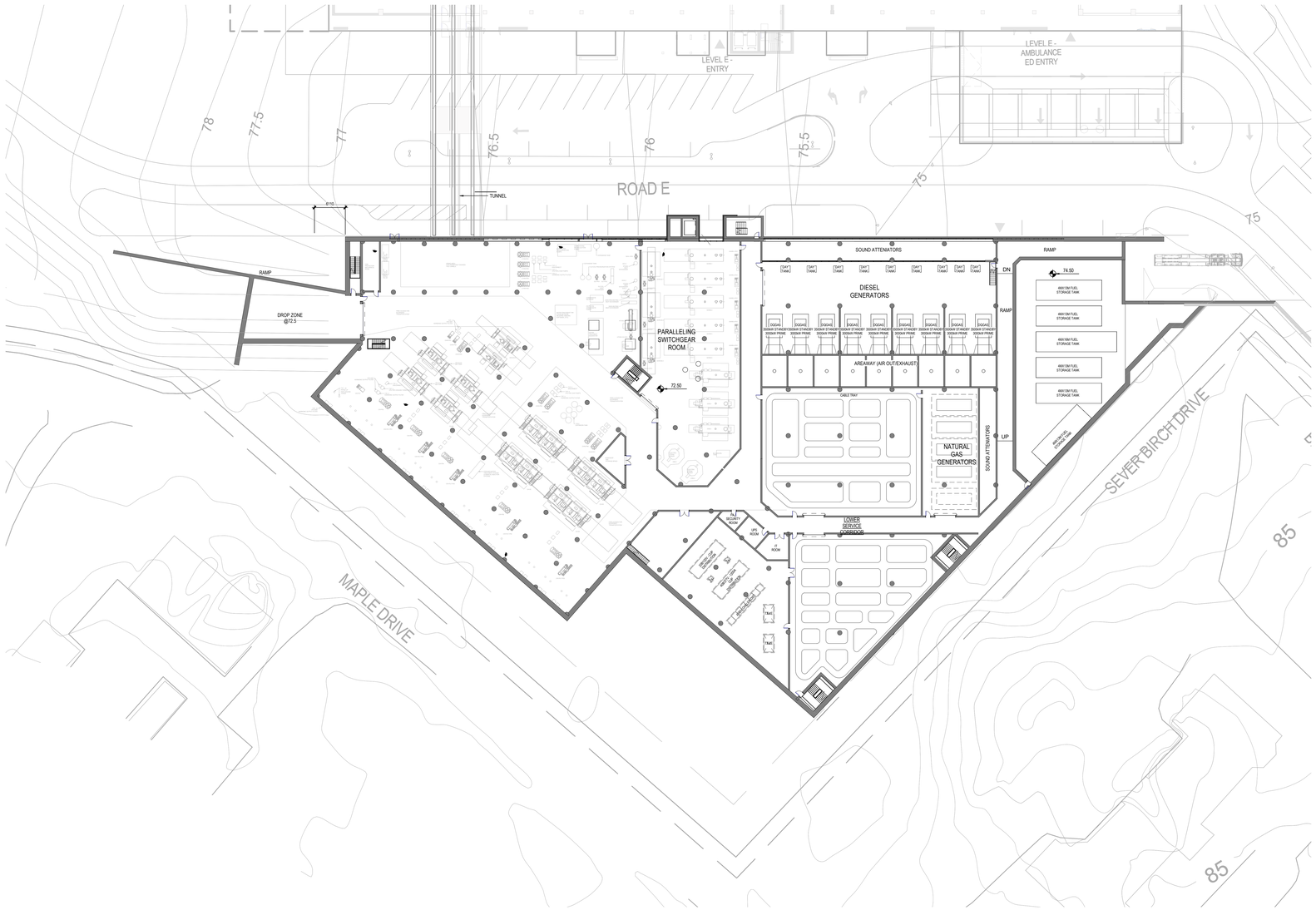
AS-2.303

Project Status

STAGE 3

12/1/2022 3:05:01 AM BIM 360://10333982_TOH New CC PDC_2021/10333982-TOH_CC_PDC_ARCH_RVT2021.rvt





LEVEL 72.5 CUP GROUND LEVEL

1 : 300

0 3m 6m 15m 30m

Scale 1: 300

13/1/2023 9:41:06 AM BIM 360://3333882_TOH New CD FDC_2021/TOH-CUP-P/2A.rvt

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

PLAN NORTH

TRUE NORTH

Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022-09-30	ISSUED FOR PRE-CONSULTATION
2	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
3	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number	
Original Issue	11/21/2018

ONTARIO ASSOCIATION OF ARCHITECTS
ALBERTO CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

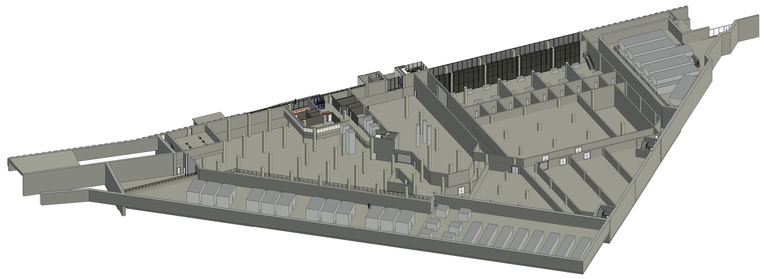
Sheet Name

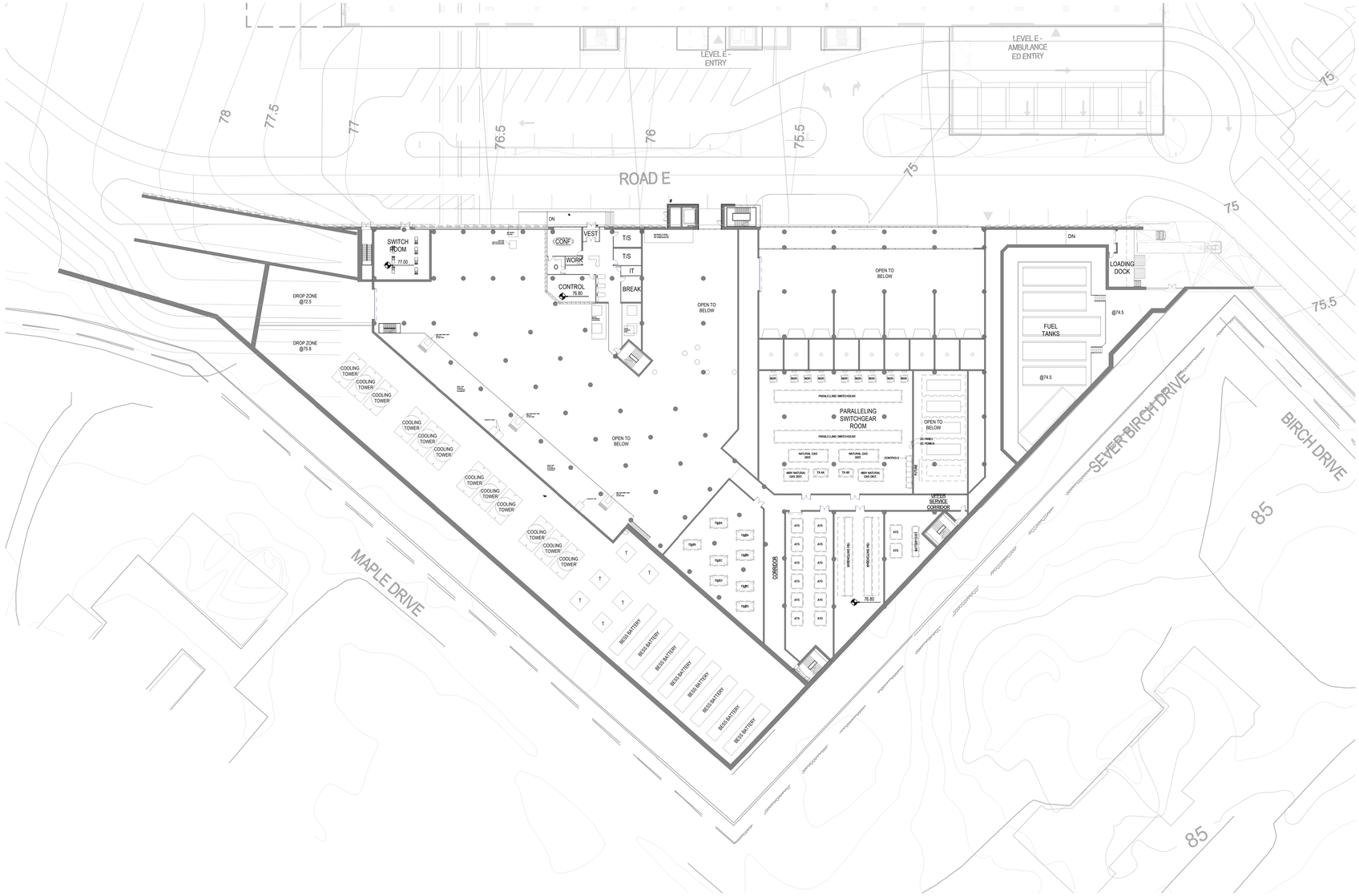
CUP OPERATING FLOOR PLAN

Sheet Number

A-104

Project Status





MEZZANINE PLAN
1 : 300

0 3m 6m 15m 30m
Scale 1: 300

HDR

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

PLAN NORTH
TRUE NORTH

Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen

Sheet Reviewer | Author

MARK	DATE	DESCRIPTION
1	2022-09-30	ISSUED FOR PRE-CONSULTATION
2	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
3	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number
Original Issue | 09/30/22

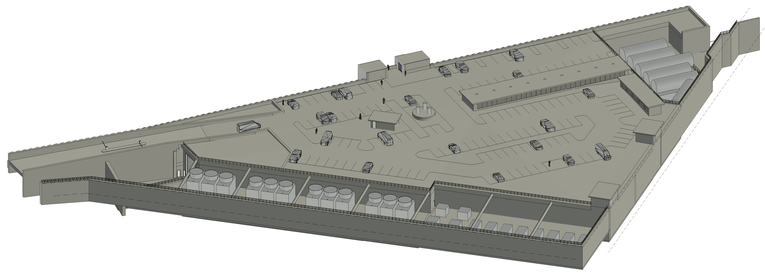
ONTARIO ASSOCIATION OF ARCHITECTS
JAMES D. CHAPMAN
LICENCE
8084
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
MEZZANINE PLAN

Sheet Number
A-105

Project Status

12/1/2022 9:41:33 AM BIM 360://10333982_TOH New CC PDC_2021/TOH-CUP-00-A.rvt





LEVEL 82.5 TOP OF CUP/PARKING ROOF LEVEL

1 : 300

0 3m 6m 15m 30m

Scale 1: 300

HDR

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

PLAN NORTH

TRUE NORTH

Architect	HDR
Landscape Architect	HDR
Civil Engineer	Parsons
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen

Sheet Reviewer Author

MARK	DATE	DESCRIPTION
1	2022-09-30	ISSUED FOR PRE-CONSULTATION
2	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
3	2023-04-14	ISSUED FOR SPC and FLUDA APPROVAL

Project Number
Original Issue 08/24/22

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES O CHAPMAN
LICENCE
8084

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

CUP PARKING DECK LEVEL

Sheet Number

A-106

Project Status

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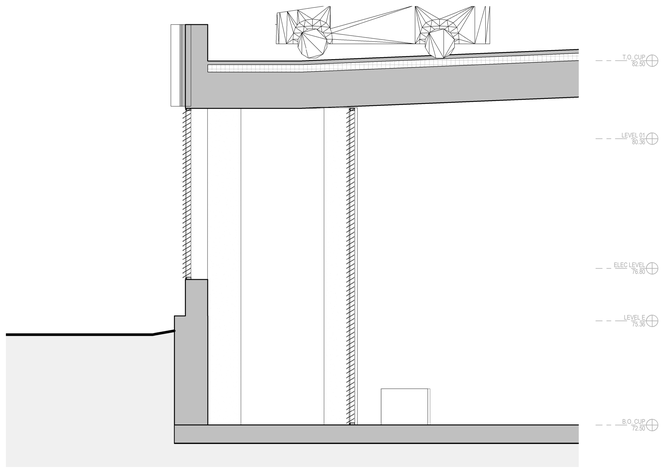

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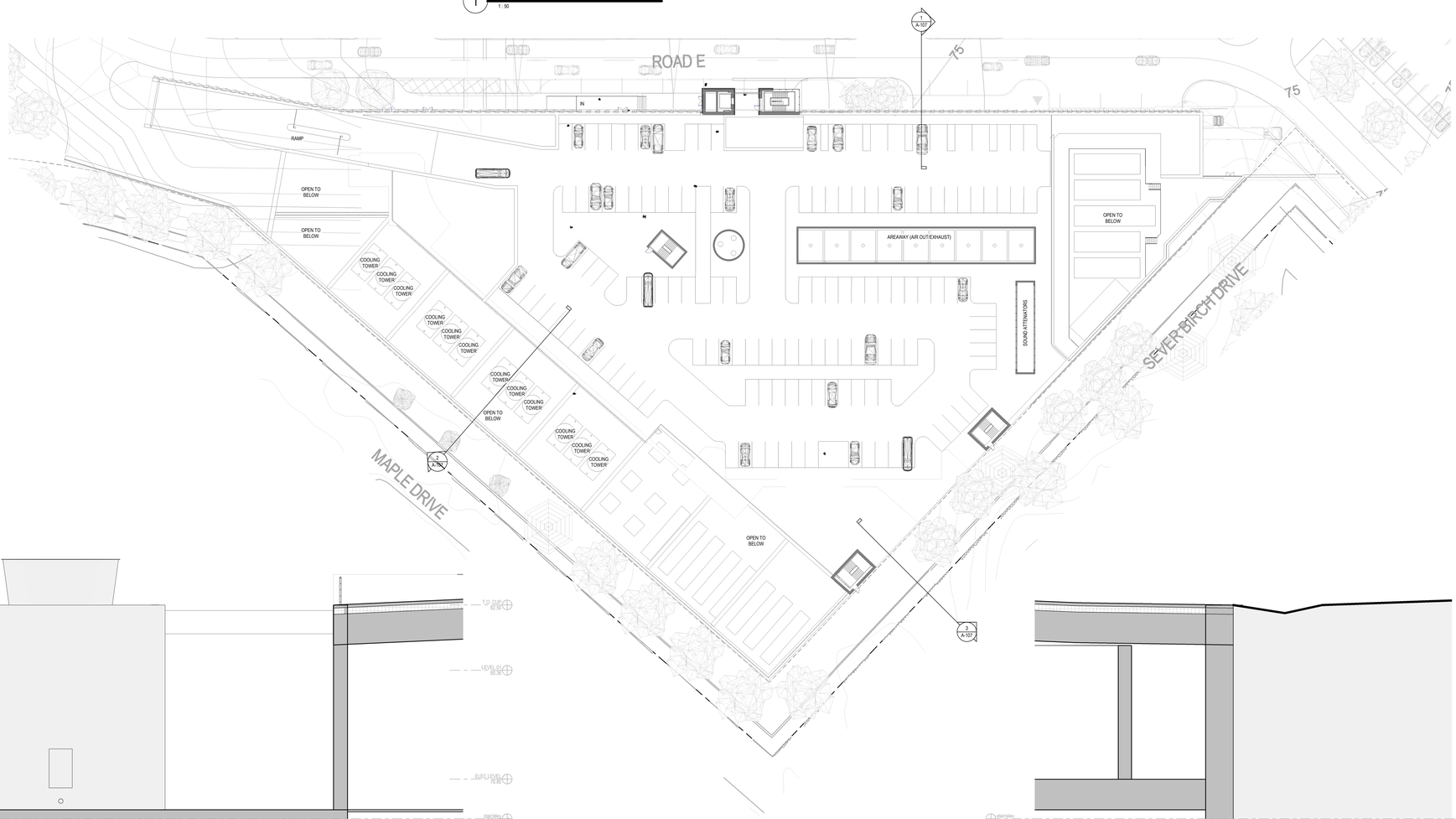

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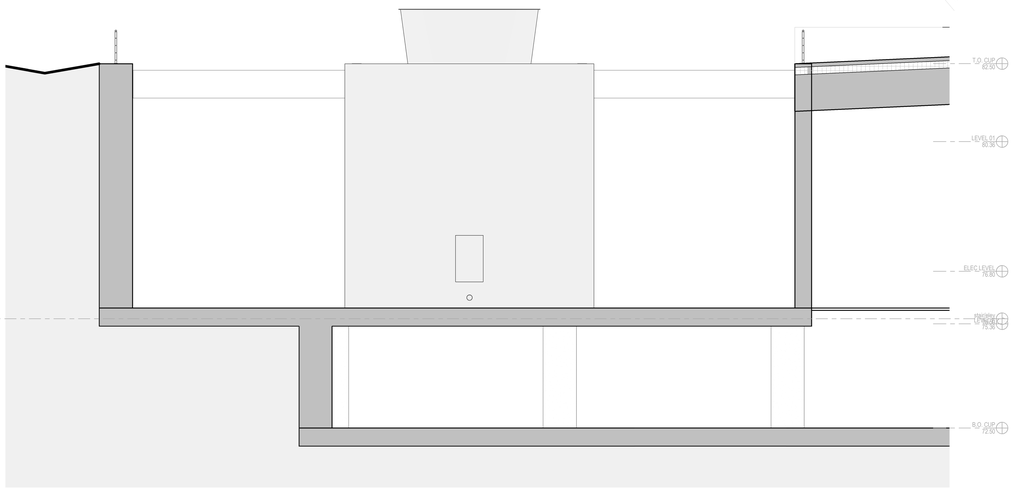

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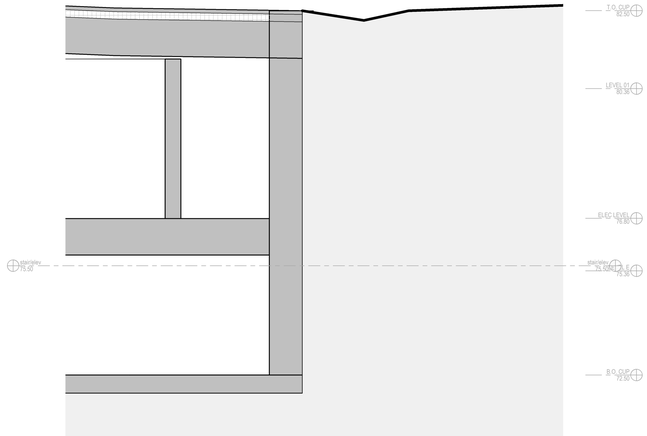

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Scale 1: 300

HDR

THE OTTAWA HOSPITAL
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HOSPITAL & CUP

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Project Number
Original Issue | 10/18/22

ONTARIO ASSOCIATION OF ARCHITECTS
LICENSED OFFICER
LICENCE
8084
PRELIMINARY
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Sheet Name
CUP PARKING DECK DRAINAGE

Sheet Number
A-107

Project Status

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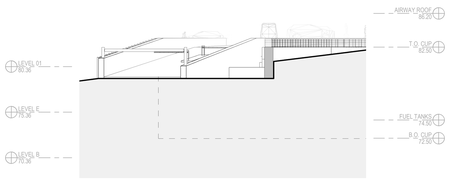

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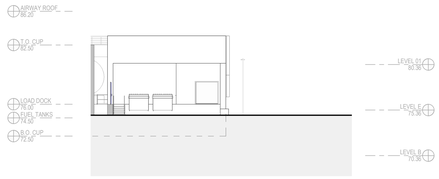

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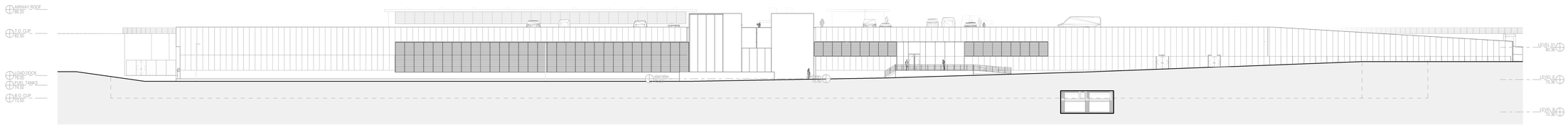

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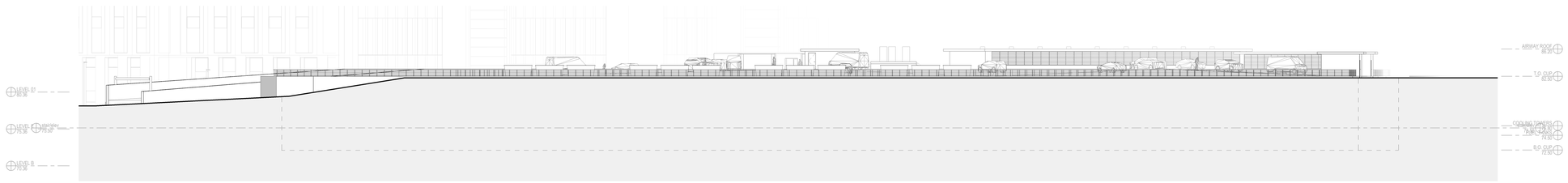

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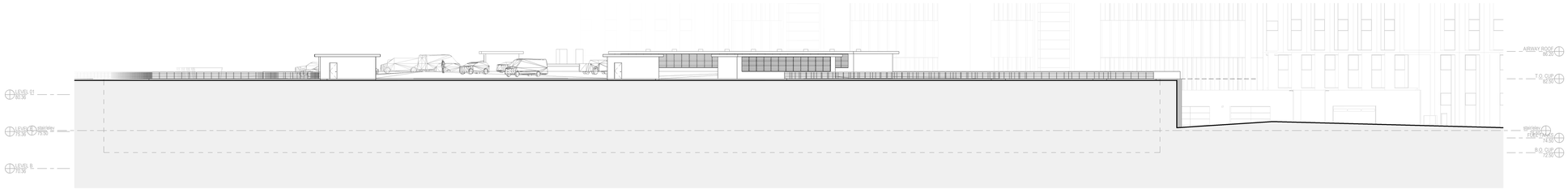

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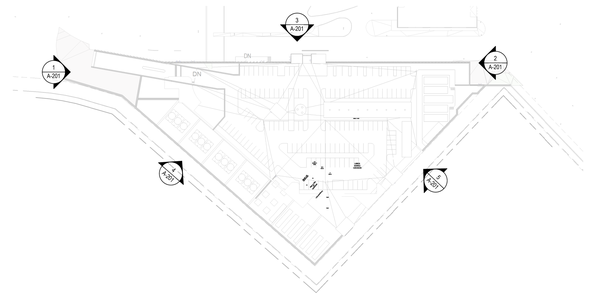

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Scale 1: 300

HDR

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Project Number
Original Issue | 10/3/2018

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LICENSED ONTARIO
LICENCE
8084
PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name
EXTERIOR
ELEVATIONS

Sheet Number
A-201

Project Status

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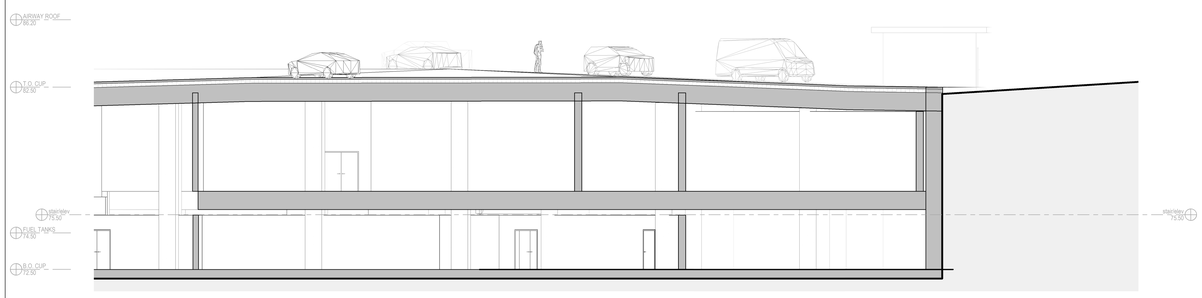

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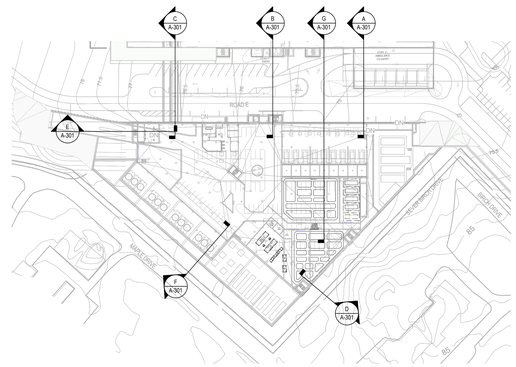

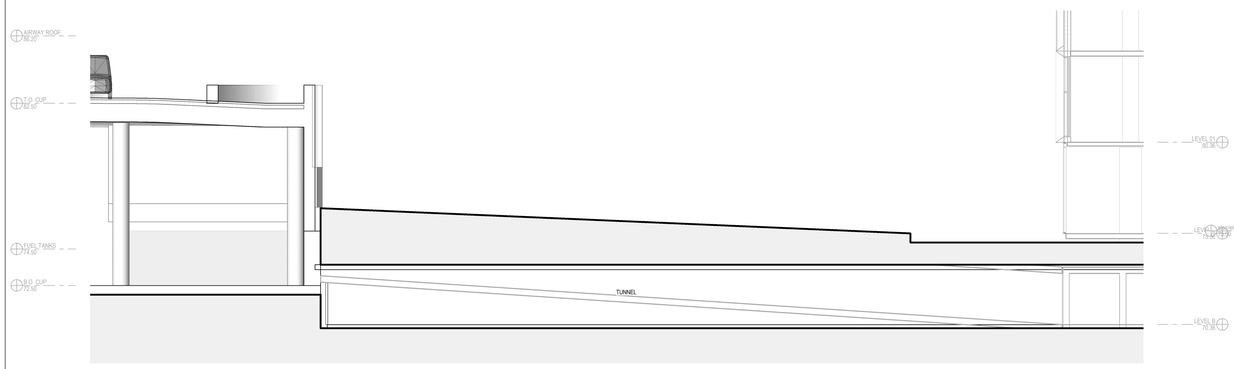

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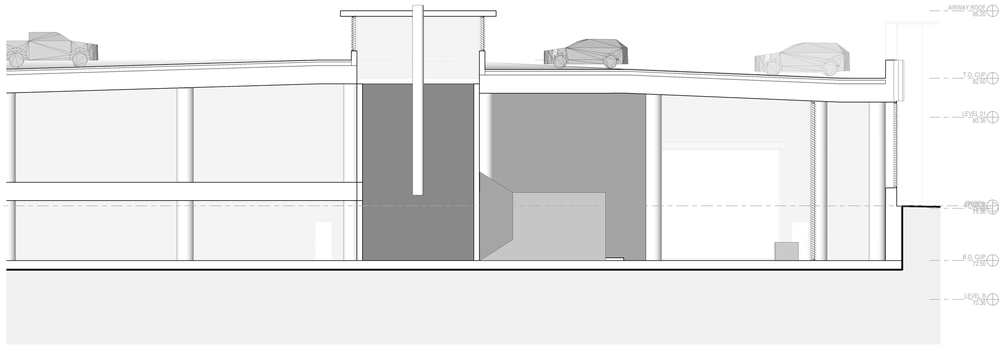

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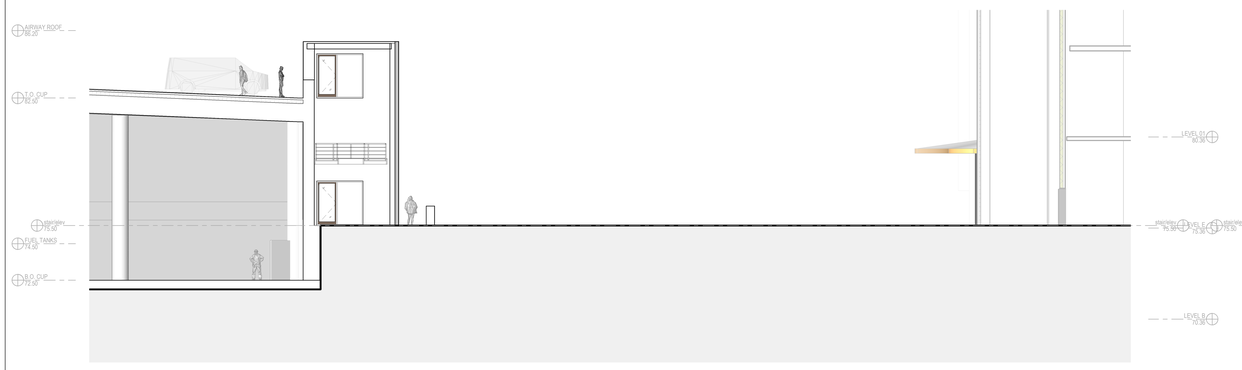

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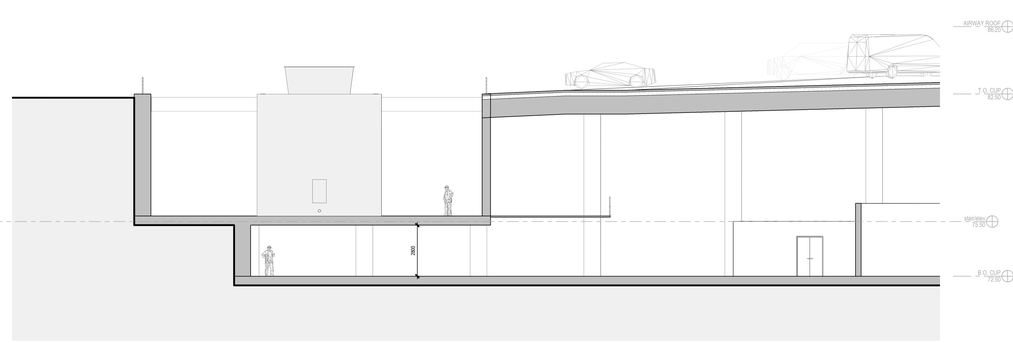

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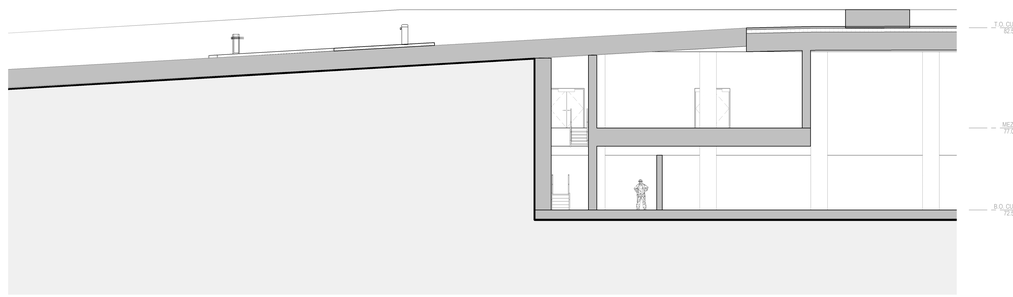

E BUILDING SECTION
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Scale 1: 300

HDR

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
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Sheet Reviewer | Author

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Project Number
Original Issue | 10/3/2018

ONTARIO ASSOCIATION OF ARCHITECTS
LICENSED CHARTERED LICENCE 8084
PRELIMINARY NOT FOR CONSTRUCTION

Sheet Name
SECTIONS - BUILDING

Sheet Number
A-301

Project Status

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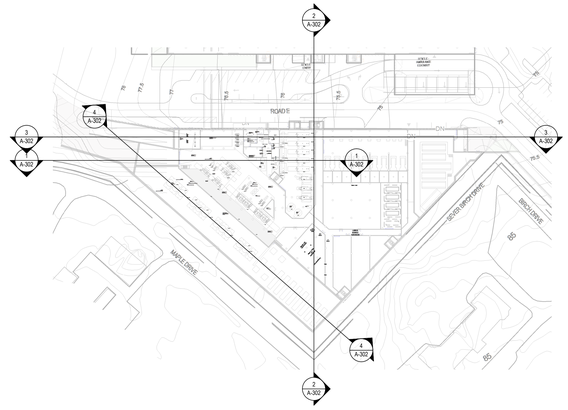

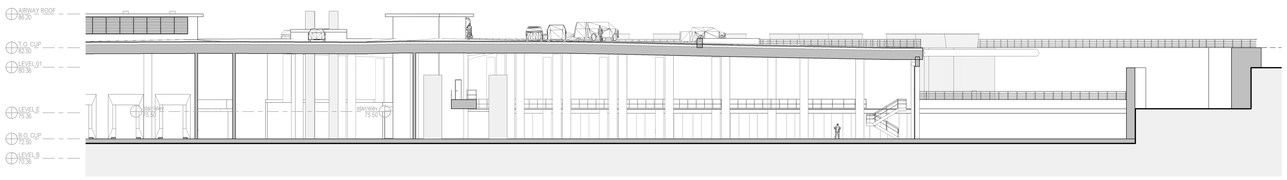

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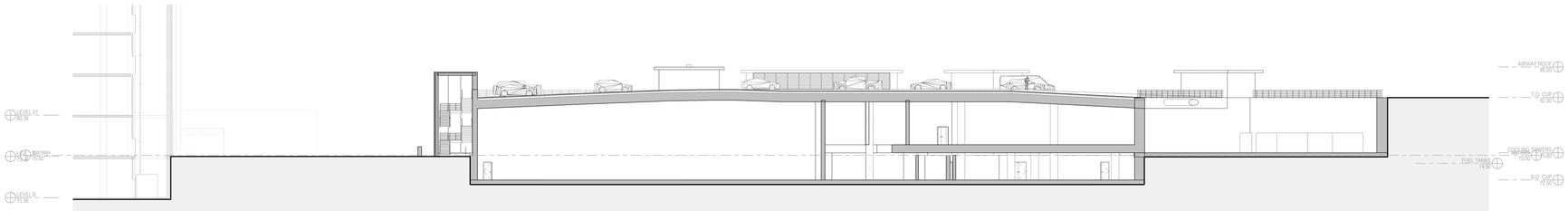

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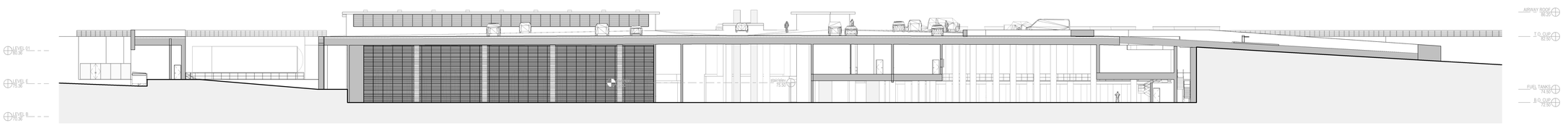

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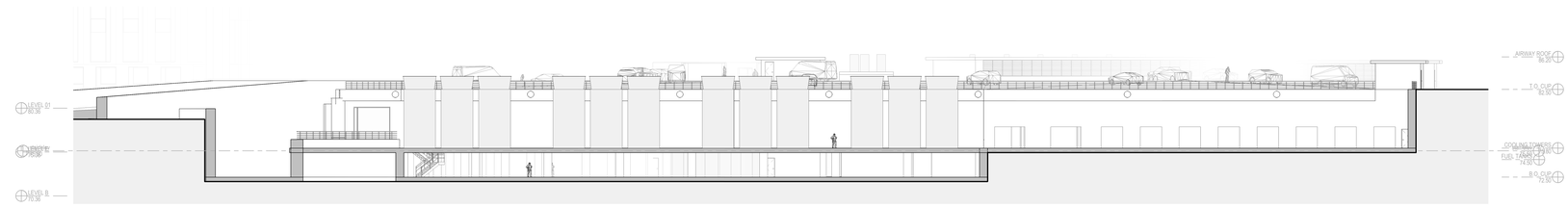

4 BUILDING SECTION
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Scale 1: 300

HDR

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

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Sheet Reviewer | Author

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Project Number
Original Issue | 09/19/22

ONTARIO ASSOCIATION OF ARCHITECTS
JAMES O. CHAPMAN
LICENCE
8084
PRELIMINARY
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Sheet Name
SECTIONS - BUILDING

Sheet Number
A-302

Project Status

12/1/2022 9:44:57 AM BIM 360://10333982_TOH New CC PDC_2021/TOH-CUP-00-A.rvt

ATTACHMENT 3

Electrical Site Plan

GENERAL NOTES:

1. DO NOT SCALE DRAWINGS. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR SPECIFIED THAT ARE NOT DEFINITELY FIXED BY THE DIMENSIONS ARE APPROXIMATEL ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE SITE CONDITIONS. REVIEW ALL REVISIONS WITH THE CONSULTANT.

2. FLOOR PLANS SHALL BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL DRAWINGS.

3. COORDINATE CONCRETE LIGHTING BASE WITH STRUCTURAL ENGINEER AND COORDINATE EXACT LOCATIONS ON SITE PRIOR ROUGH-INS.

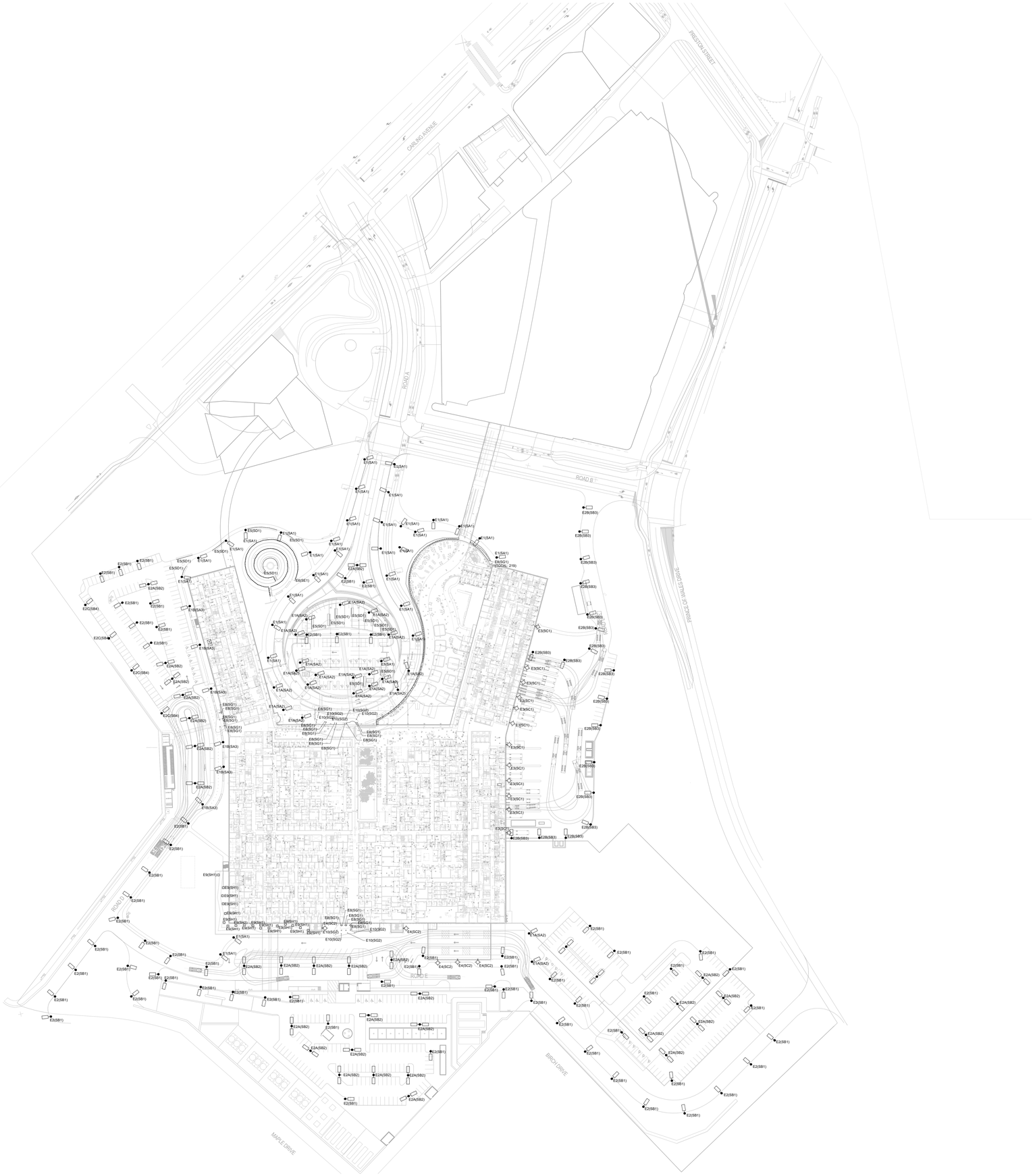
4. CONTRACTOR TO COORDINATE ALL ELECTRICAL IN-SLAB CONDUITS WITH STRUCTURAL ENGINEER AND ALL OTHER IN-SLAB SERVICES TO ENSURE THERE ARE NO INTERFERENCES.

5. REFER TO DIRECT BURRIED DUCT BANK FOR LIGHTING AND LIGHTING STANDARD BASE DETAILS FOR POWER INSTALLATION REQUIREMENT.

DRAWING NOTES:

N-1 PROVIDE 2-#6AWG - 53mm PVC CONDUITS HOME RUN TO LIGHTING PANEL IN MAIN ELECTRICAL ROOMS. COORDINATE CONDUIT SIZES WITH LIGHT CIRCUITS AS REQUIRED ON SITE.

N-2 PROVIDE A TOTAL OF FOUR (4) PHOTOCELLS TO CONTROL ALL EXTERIOR LIGHTING FIXTURES SHOWN. PROVIDE RELAYS TO SUIT LIGHTING CIRCUITS. EACH PHOTOCELL TO CONTROL LIGHTS ON ONE SIDE OF THE BUILDING, THAT IS EAST, WEST, SOUTH AND NORTH.



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Scale 1: 750

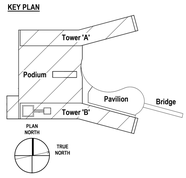
HDR Architecture Associates Inc.
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

Smith + Andersen

THE OTTAWA HOSPITAL CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



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Electrical Engineer	SMITH + ANDERSEN
Plumbing Engineer	SMITH + ANDERSEN
Interior Designer	HDR
Equipment Planner	COLLIERS
Wayfinding	

Sheet Reviewer	Author

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4	2022-12-02	ISSUED FOR 3A1-2
5	2023-02-24	ISSUED FOR RFP VERSION 1.0
6	2023-04-12	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	22150.001
Original Issue	02/12/20

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Sheet Name

ELECTRICAL SITE PLAN -OVERAL

Sheet Number

E-101

Project Status

STAGE 3

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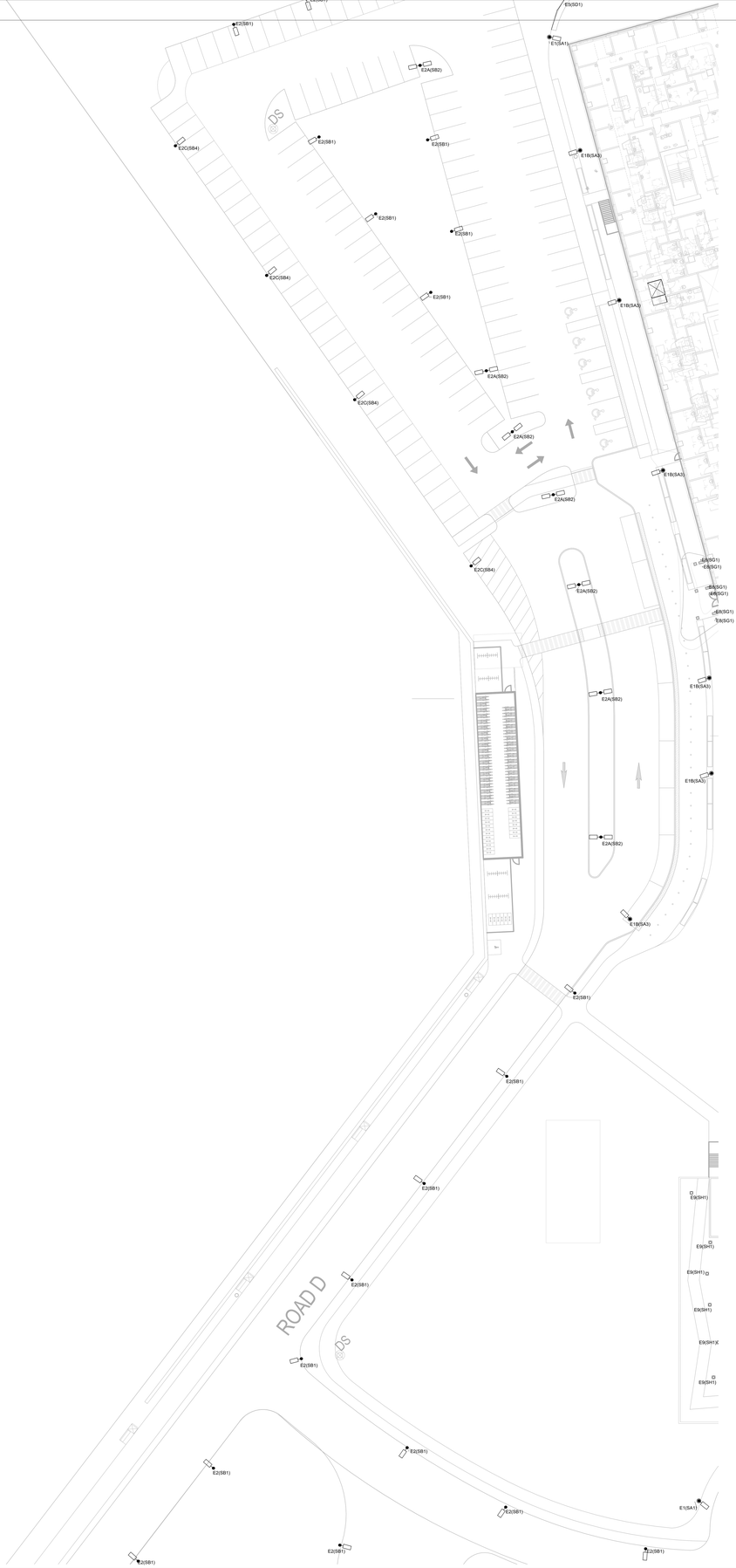

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Scale 1: 250

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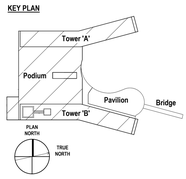
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

Smith + Andersen

THE OTTAWA HOSPITAL
CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



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Project Number	22150.001
Original Issue	08/31/22

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Sheet Name
ELECTRICAL SITE PLAN 1 OF 5

Sheet Number
E-101A

Project Status
STAGE 3

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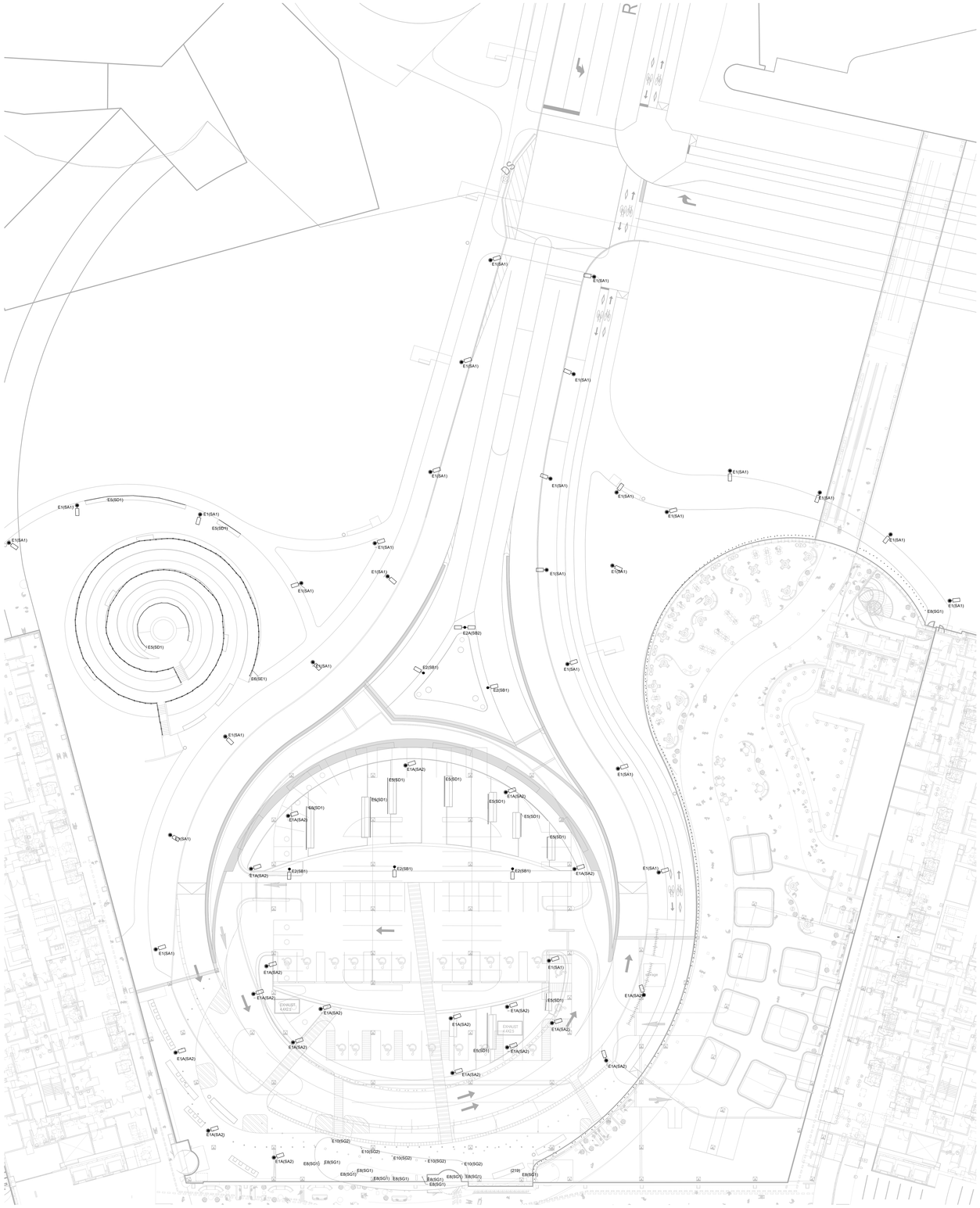
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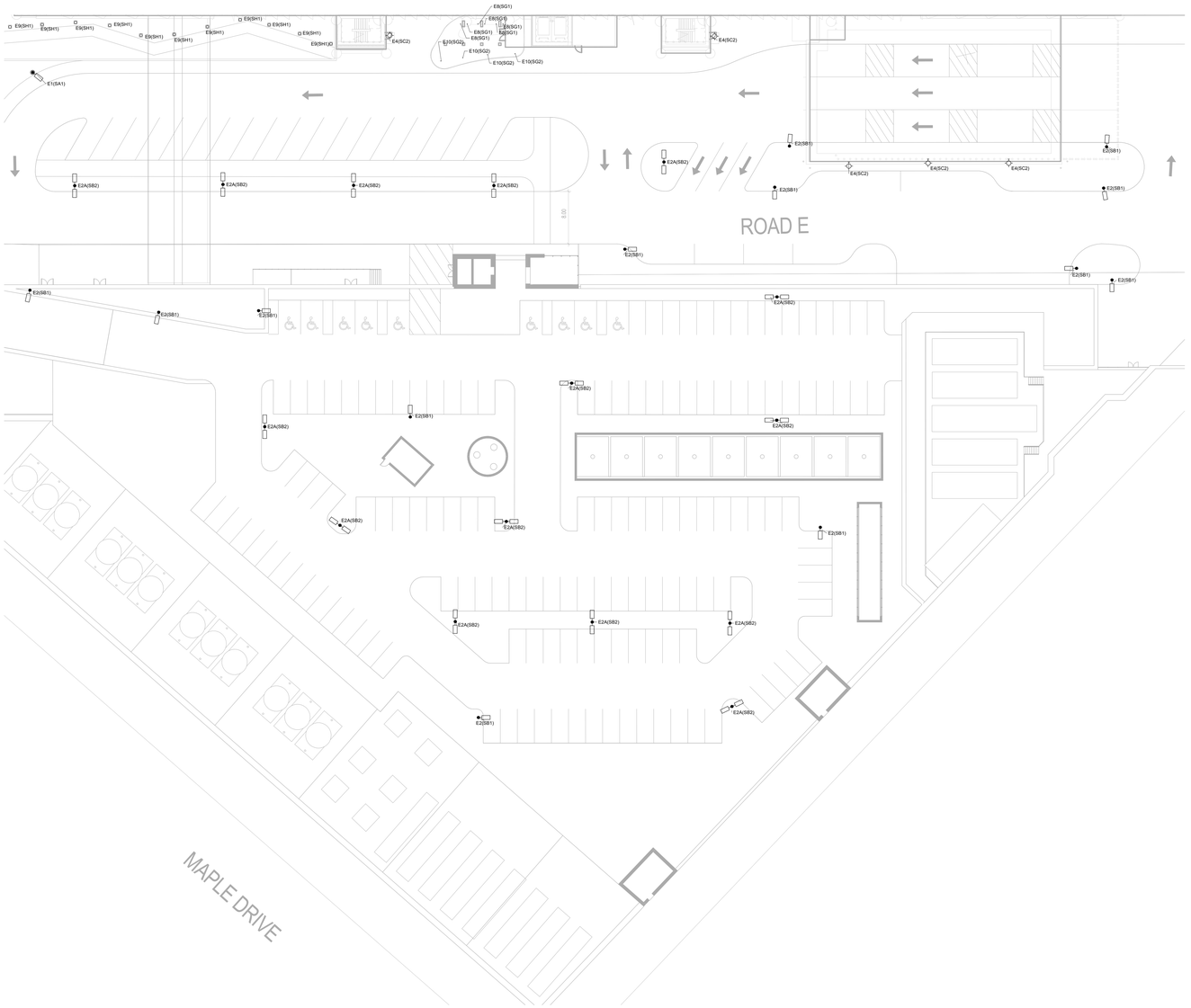

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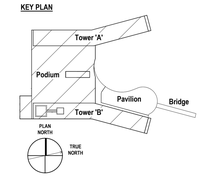
Smith + Andersen

THE OTTAWA HOSPITAL
CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



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Project Number	22150.001
Original Issue	08/31/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ELECTRICAL SITE
PLAN 3 OF 5

Sheet Number

E-101C

Project Status

STAGE 3

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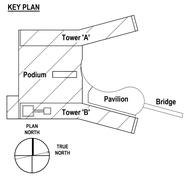
NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Architect	HDR
Landscape Architect	HDR
Civil Engineer	PARSONS
Structural Engineer	EXP
Mechanical Engineer	SMITH + ANDERSEN
Electrical Engineer	SMITH + ANDERSEN
Plumbing Engineer	SMITH + ANDERSEN
Interior Designer	HDR
Equipment Planner	COLLIERS
Wayfinding	

Sheet Reviewer	Author

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2	2022/10/28	DRAFT FOR 90% SD
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5	2023-02-24	ISSUED FOR RFP VERSION 1.0
6	2023-04-12	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	22150.001
Original Issue	08/31/22

PRELIMINARY
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Sheet Name

ELECTRICAL SITE
PLAN 4 OF 5

Sheet Number

E-101D

Project Status

STAGE 3

2023-04-12 3:46:49 PM BIM 360://10333982_TOH New CC PDC_20210215 0.001_TOH New Civic Development_Elec_R21.rvt



0 2.5m 5m 12.5m 25m
Scale 1: 250

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

Smith + Andersen

THE OTTAWA HOSPITAL
CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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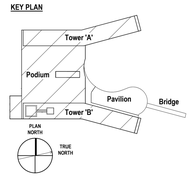

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Sheet Name

ELECTRICAL SITE
PLAN 5 OF 5

Sheet Number

E-101E

Project Status

STAGE 3

2023-04-12 9:45:53 PM BIM 360://10333982_TOH New CC PDC_2021/22150.001_TOH New Civic Development_Elec_R21.rvt



Illumination values shown in lux
Light Loss Factor .8

Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Cell Phone Lot	Lux	23.03	59	8	7.38
Sunken Garden	Lux	10.06	20.3	2.8	7.25
Emergency Parking + Road E	Lux	14.21	43.5	3.1	11.03
Main Entrance Road	Lux	31.74	43	10	4.30
Main Entrance Sidewalk+Plaza	Lux	25.04	43	4	10.75
North Cellphone Lot Plaza	Lux	20.59	44	8	5.50
Sidewalk to parking	Lux	17.68	27.8	3.8	7.32
South Cellphone Lot Plaza	Lux	45.53	83	13	6.38
Emergency Entrance Sidewalk	Lux	13.14	43.5	3.1	11.03
Road E + Emergency Parking	Lux	14.51	42.0	3.7	11.35
Sidewalk to Cancer Parking_Planar	Lux	19.42	80.7	4.0	10.18
Cancer Parking_Planar	Lux	19.90	44.4	4.9	9.06
Road D Sidewalk	Lux	8.42	39.8	1.7	10.41
ROAD D	Lux	11.42	17.8	2.6	6.85
Sunken Garden	Lux	1.92	11.5	0.6	19.17
CUP PARKING	Lux	14.56	33.7	2.5	13.48
Road L	Lux	16.26	35.7	3.5	10.20
Loading Dock Entrances	Lux	40.25	95.0	9.0	10.56
Loading Dock Parking	Lux	13.41	33.0	2.0	16.50
Contemplation Garden	Lux	16.27	33.1	3.6	9.19
Zone4	Lux	15.08	25.6	4.8	5.33
Zone4 Road	Lux	10.83	16.9	5.4	3.13
Zone6	Lux	10.72	15.1	4.6	3.28
ROAD D LIGHTING TRESPASS	Lux	.64	1.8	0.1	21.0

0 2.5m 5m 12.5m 25m
Scale 1: 250

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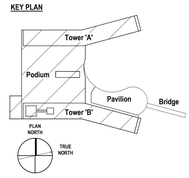

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Sheet Name

ELECTRICAL SITE PLAN - PHOTOMETRIC STUDY

Sheet Number

E-101F

Project Status

STAGE 3

2023-04-12 3:47:05 PM BIM 360://10333982_TOH New CC FDC_20212215 0.001_TOH New Civic Development_Elec_R21.rvt

SA1



Catalog Number:
LXS-VA-2-730-*-SYM-C-BK

Mounting Height:
3.6 m

SA2



Catalog Number:
LXS-VA-3-730-*-SYM-C-BK

Mounting Height:
3.6 m

SA3



Catalog Number:
LXS-VA-2-730-*-ASW-C-BK

Mounting Height:
3.6 m

SB1



Catalog Number:
P20-C-A03-830-T4S-AR1-BK

Mounting Height:
6 m

SB2



Catalog Number:
P20-C-A03-830-T4S-AR1-BK
-DOUBLE HEAD

Mounting Height:
6 m

SB3



Catalog Number:
P20-C-A05-830-T4S-AR1-BK

Mounting Height:
6 m

SB4



Catalog Number:
P20-C-A03-830-T4S-AR1-BK
-EHS

Mounting Height:
6 m

SC1



Catalog Number:
WEDGE3 LED
-P1-30K-80-RFT-MVOLT

Mounting Height:
3.6 m

SC2



Catalog Number:
WEDGE2 LED -
P2-30K-80-VF-MVOLT

Mounting Height:
3.6 m

SD1



Catalog Number:
ADONIS-HYDRA-HD06-W8-32

Mounting Height:
381 mm

SE1



Catalog Number:
HS-W30-C060A-01

Mounting Height:
REFER TO SITE PLANS
FOR MH

SG1



Catalog Number:
B3RA-F-09L2-30KS-T20-S-
BL-BL-SA-UNV

Mounting Height:
5.2 M

Verify MH with canopy height

SG2



Catalog Number:
B3RA-F-09L2-30KS-T50-S-
BL-BL-SA-UNV

Mounting Height:
5.2 M

Verify MH with canopy height

SH1



Catalog Number:
BEGA - 77 089

Mounting Height:
RECESSED INTO GRADE

0 3m 6m 15m 30m
Scale 1: 300

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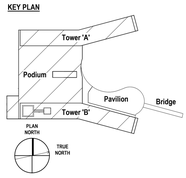

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PRELIMINARY
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Sheet Name
ELECTRICAL SITE PLAN - FIXTURE SCHEDULES

Sheet Number
E-101G

Project Status
STAGE 3

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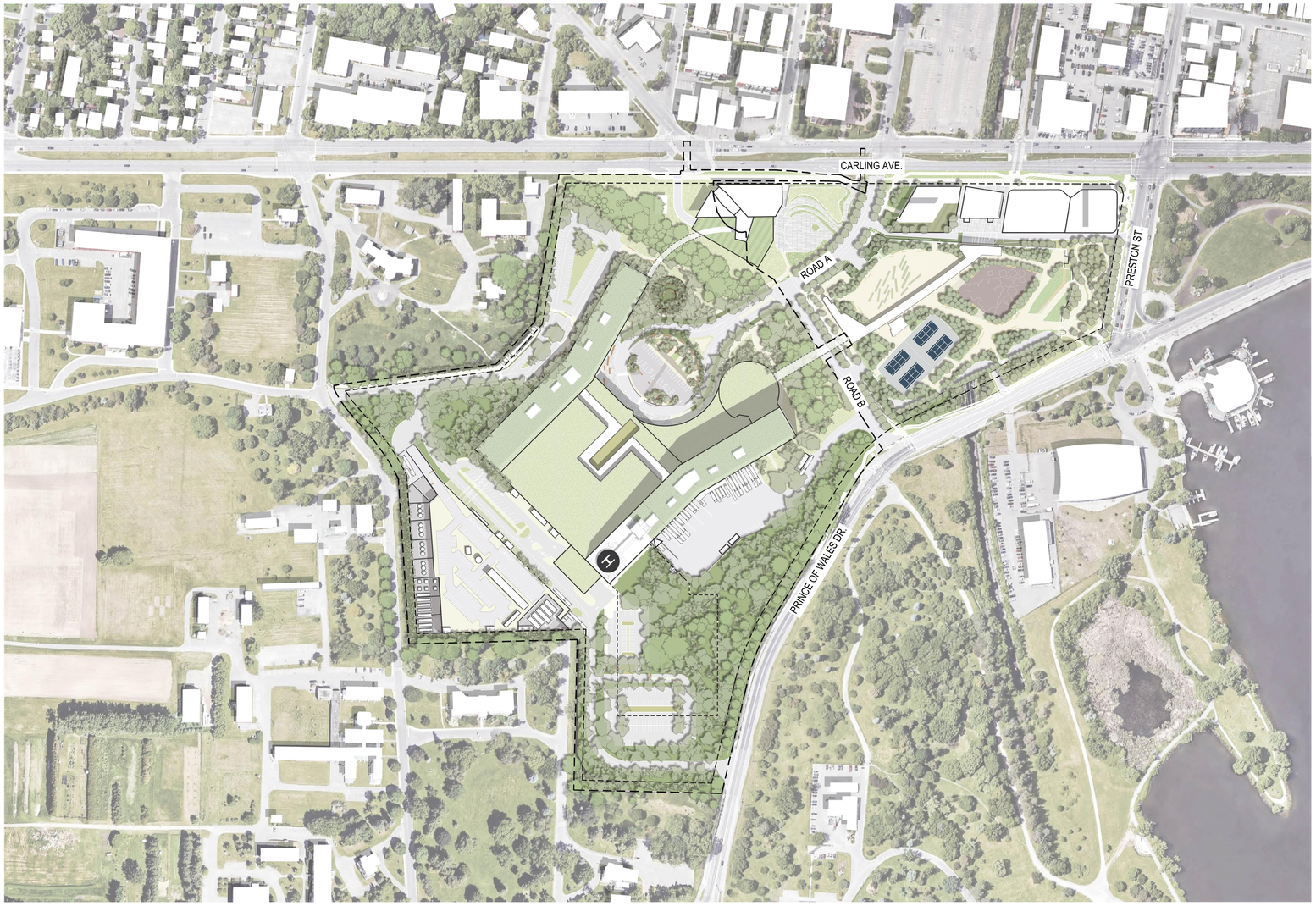
ATTACHMENT 4

Landscape Package: Orientation Plan, Existing Topography Plan, Grading Plans



SHEET NUMBER	SHEET NAME	
L-2.2.2.000	ILLUSTRATIVE SITE PLAN / INDEX OF DRAWINGS	
L-2.2.2.001	OVERALL SITE PLAN	
L-2.2.2.002	ORIENTATION PLAN	
L-2.2.2.101	TREE PRESERVATION AND REMOVAL PLAN	PENDING
L-2.2.2.102	LANDSCAPE TREE PRESERVATION DETAIL	PENDING
L-2.2.2.103	CLEAN EQUIPMENT PROTOCOL	
L-2.2.2.200	EXISTING TOPOGRAPHY PLAN	
L-2.2.2.201	OVERALL GRADING PLAN	
L-2.2.2.202	GRADING PLAN ENLARGEMENT	
L-2.2.2.203	GRADING PLAN ENLARGEMENT	
L-2.2.2.203.1	GRADING PLAN ENLARGEMENT	
L-2.2.2.204	GRADING PLAN ENLARGEMENT	
L-2.2.2.205	GRADING PLAN ENLARGEMENT	
L-2.2.2.206	GRADING PLAN ENLARGEMENT	
L-2.2.2.302	SITE LAYOUT ENLARGEMENT	
L-2.2.2.303	SITE LAYOUT ENLARGEMENT	
L-2.2.2.303.1	SITE LAYOUT ENLARGEMENT	
L-2.2.2.304	SITE LAYOUT ENLARGEMENT	
L-2.2.2.305	SITE LAYOUT ENLARGEMENT	
L-2.2.2.306	SITE LAYOUT ENLARGEMENT	
L-2.2.2.401	OVERALL SITE MATERIALS PLAN	
L-2.2.2.402	SITE MATERIALS ENLARGEMENT	
L-2.2.2.403	SITE MATERIALS ENLARGEMENT	
L-2.2.2.404	SITE MATERIALS ENLARGEMENT	
L-2.2.2.405	SITE MATERIALS ENLARGEMENT	
L-2.2.2.406	SITE MATERIALS ENLARGEMENT	
L-2.2.2.451	CONTEMPLATION GARDEN ENLARGEMENT	
L-2.2.2.452	MAIN ENTRY ENLARGEMENT	
L-2.2.2.453	SUNKEN GARDEN ENLARGEMENT	
L-2.2.2.501	SITE SECTIONS	
L-2.2.2.502	SITE SECTIONS	
L-2.2.2.503	SITE SECTIONS	
L-2.2.2.504	SITE SECTIONS	
L-2.2.2.601	SITE DETAILS	
L-2.2.2.703	PLANT LIST	
L-2.2.2.801	OVERALL PLANTING PLAN	
L-2.2.2.802	PLANTING PLAN ENLARGEMENT	
L-2.2.2.803	PLANTING PLAN ENLARGEMENT	
L-2.2.2.804	PLANTING PLAN ENLARGEMENT	
L-2.2.2.805	PLANTING PLAN ENLARGEMENT	
L-2.2.2.806	PLANTING PLAN ENLARGEMENT	
L-2.2.2.851	GREEN ROOF OVERALL PLAN	
L-2.2.2.852	GREEN ROOF PLAN ENLARGEMENT	
L-2.2.2.853	GREEN ROOF PLAN ENLARGEMENT	
L-2.2.2.854	INTERIOR COURT YARD PLAN	
L-2.2.2.901	OVERALL IRRIGATION PLAN	
L-2.2.2.951	PLANTING DETAILS	

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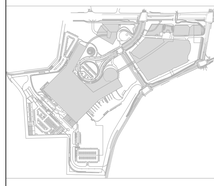

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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Project Number 10333582
Original Issue 04/21/22

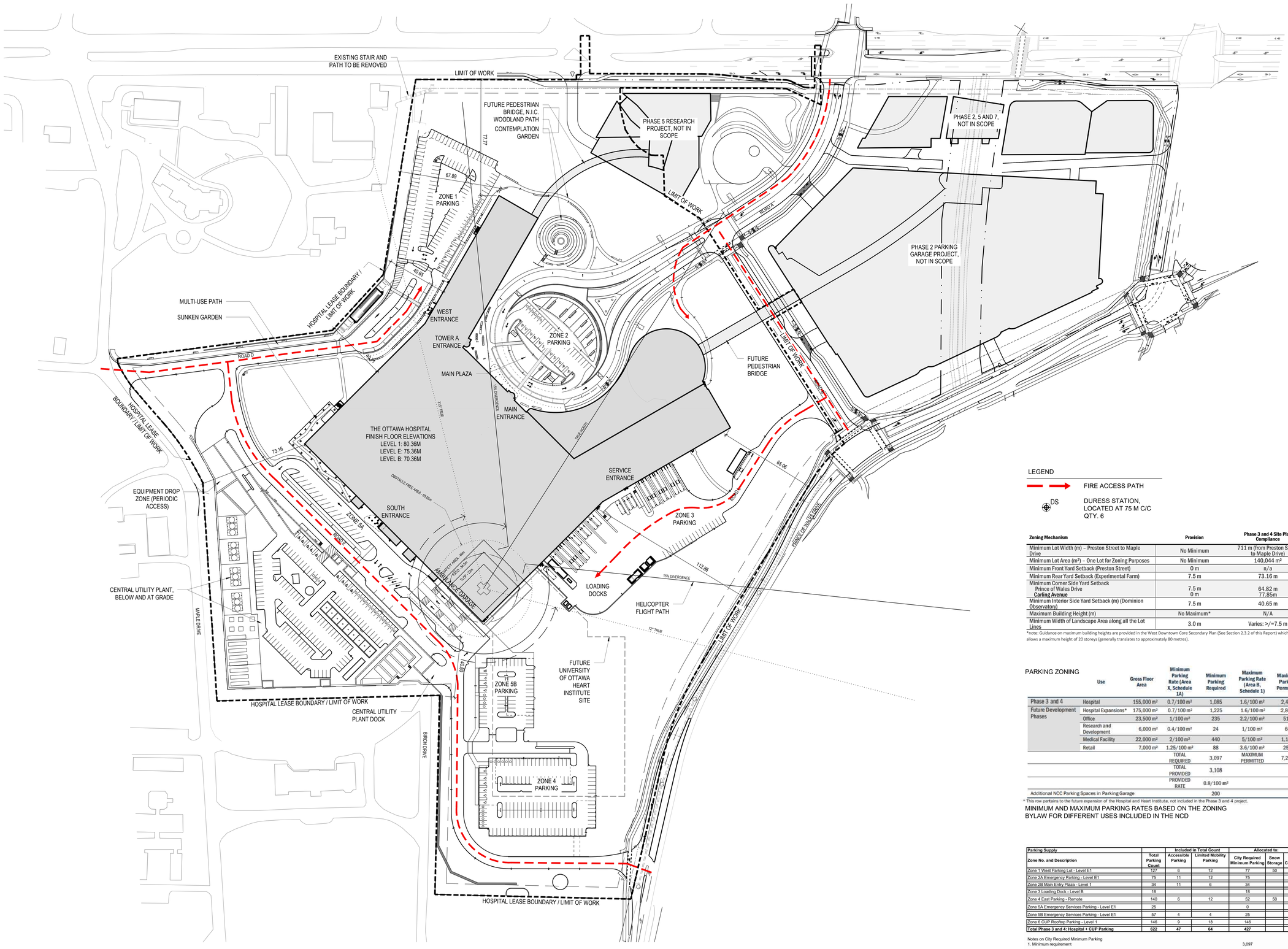
Sheet Name

LANDSCAPE INDEX
OF DRAWINGS

Sheet Number

L-2.2.2.000

Project Status
STAGE 3



LEGEND

FIRE ACCESS PATH

DS — DURESS STATION, LOCATED AT 75 M C/C QTY. 6

Zoning Mechanism	Provision	Phase 3 and 4 Site Plan Compliance
Minimum Lot Width (m) – Preston Street to Maple Drive	No Minimum	711 m (from Preston Street to Maple Drive)
Minimum Lot Area (m²) – One Lot for Zoning Purposes	No Minimum	140,044 m²
Minimum Front Yard Setback (Preston Street)	0 m	n/a
Minimum Rear Yard Setback (Experimental Farm)	7.5 m	73.16 m
Minimum Corner Side Yard Setback Prince of Wales Drive Carling Avenue	7.5 m 0 m	64.82 m 77.85m
Minimum Interior Side Yard Setback (m) (Dominion Observatory)	7.5 m	40.65 m
Maximum Building Height (m)	No Maximum*	N/A
Minimum Width of Landscape Area along all the Lot Lines	3.0 m	Varies: >/=7.5 m

*note: Guidance on maximum building heights are provided in the West Downtown Core Secondary Plan (See Section 2.3.2 of this Report) which allows a maximum height of 20 storeys (generally translates to approximately 80 metres).

PARKING ZONING

	Use	Gross Floor Area	Minimum Parking Rate (Area X, Schedule 1A)	Minimum Parking Required	Maximum Parking Rate (Area B, Schedule 1)	Maximum Parking Permitted
Phase 3 and 4	Hospital	155,000 m²	0.7/100 m²	1,085	1.6/100 m²	2,480
Future Development Phases	Hospital Expansions*	175,000 m²	0.7/100 m²	1,225	1.6/100 m²	2,800
	Office	23,500 m²	1/100 m²	235	2.2/100 m²	517
	Research and Development	6,000 m²	0.4/100 m²	24	1/100 m²	60
	Medical Facility	22,000 m²	2/100 m²	440	5/100 m²	1,100
	Retail	7,000 m²	1.25/100 m²	88	3.6/100 m²	252
			TOTAL REQUIRED	3,097	MAXIMUM PERMITTED	7,209
			TOTAL PROVIDED	3,108		
			PROVIDED RATE	0.8/100 m²		
Additional NCC Parking Spaces in Parking Garage				200		

* This row pertains to the future expansion of the Hospital and Heart Institute, not included in the Phase 3 and 4 project.

MINIMUM AND MAXIMUM PARKING RATES BASED ON THE ZONING BYLAW FOR DIFFERENT USES INCLUDED IN THE NCD

Parking Supply		Included in Total Count		Allocated to:		
Zone No. and Description	Total Parking Count	Accessible Parking	Limited Mobility Parking	City Required Minimum Parking	Snow Storage	Surge Capacity
Zone 1 West Parking Lot - Level E1	127	6	12	77	50	
Zone 2A Emergency Parking - Level E1	75	11	12	75		
Zone 2B Main Entry Plaza - Level 1	34	11	6	34		
Zone 3 Loading Dock - Level B	18			18		
Zone 4 East Parking - Remote	140	6	12	52	50	38
Zone 5A Emergency Services Parking - Level E1	25			0		
Zone 5B Emergency Services Parking - Level E1	57	4	4	25		32
Zone 6 CUP Rooftop Parking - Level 1	146	9	18	146		
Total Phase 3 and 4: Hospital + CUP Parking	**622**	**47**	**64**	**427**		

Notes on City Required Minimum Parking
1. Minimum requirement — 3,097

PLAN NORTH / TRUE NORTH

0 18.75m 37.5m 75m
Scale 1: 750

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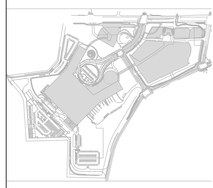

THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

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Original Issue	04/21/22

ONTARIO ASSOCIATION OF ARCHITECTS — LICENCE 8084

Sheet Name

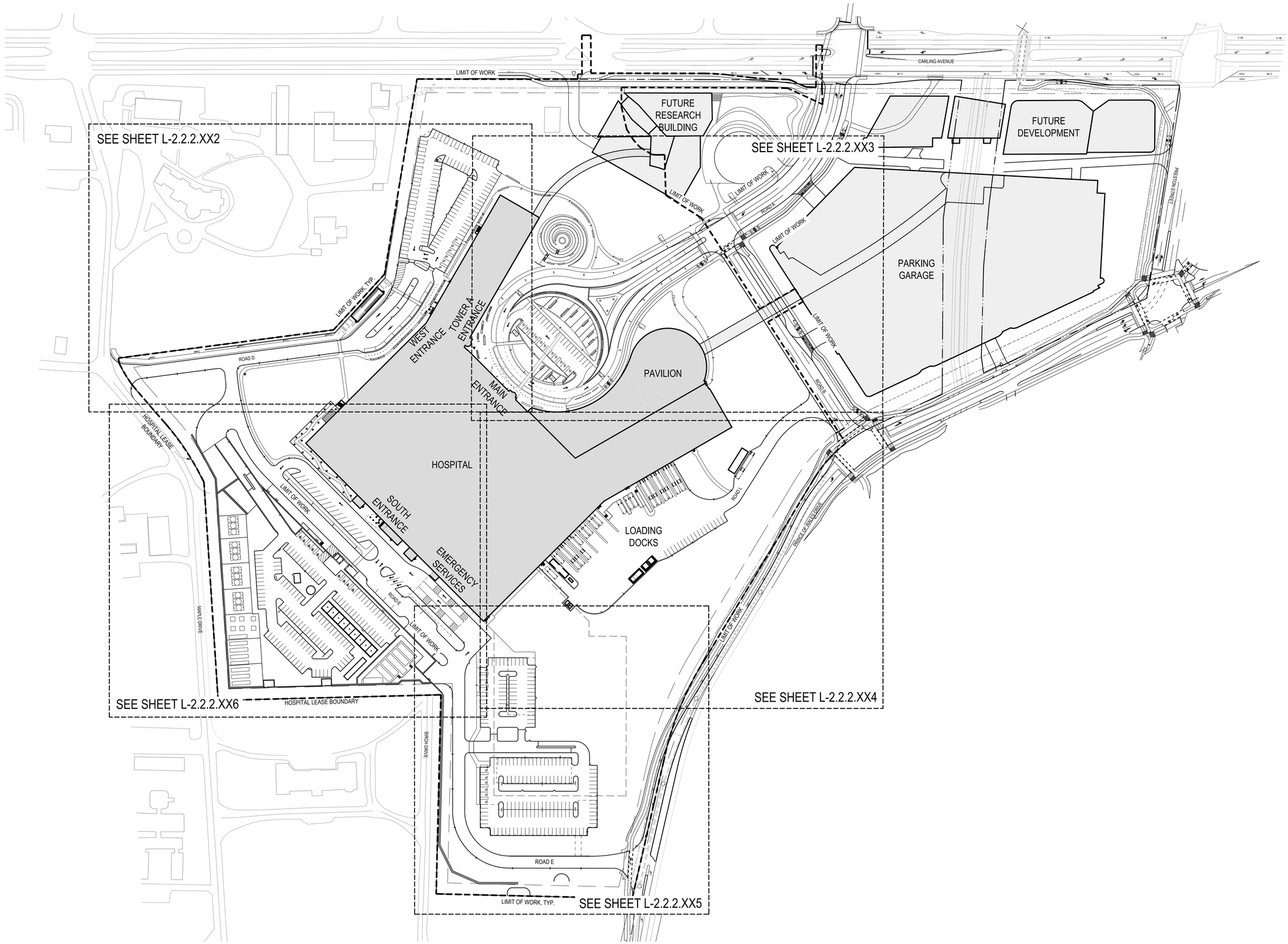
OVERALL SITE PLAN

Sheet Number

L-2.2.2.001

Project Status

STAGE 3



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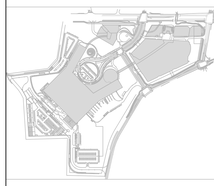

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Sheet Name

ORIENTATION PLAN

Sheet Number

L-2.2.2.002

Project Status
STAGE 3

PLAN NORTH
TRUE NORTH

0 18.75m 37.5m 75m
Scale 1: 750

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.

Continued...

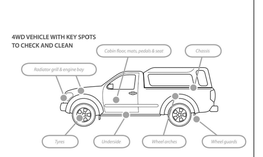
Equipment Required

- ☐ A pump and high pressure hose OR High pressure water unit
- ☐ Air compressor and blower OR Vacuum
- ☐ Shovel
- ☐ Pry bar
- ☐ Stiff brush or broom

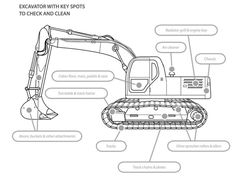
Final Inspection Checklist

- ☐ No clods of dirt should be visible after cleaning.
- ☐ Radiators, grills and the interiors of vehicles should be free of accumulations of seed, soil, mud and plant material parts including seeds, roots, flowers, fruit and or stems.

2WD and 4WD Vehicles



Excavator



Backhoe



Bulldozer



Invasive Species Centre
Catalyst for research and response

Ontario

Ontario Invasive Plant Council

Clean Equipment Protocol for Industry | SUMMARY | Ontario Invasive Plant Council

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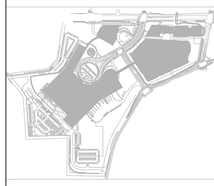


THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-30	ISSUED FOR PRE-CONSULTATION
	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

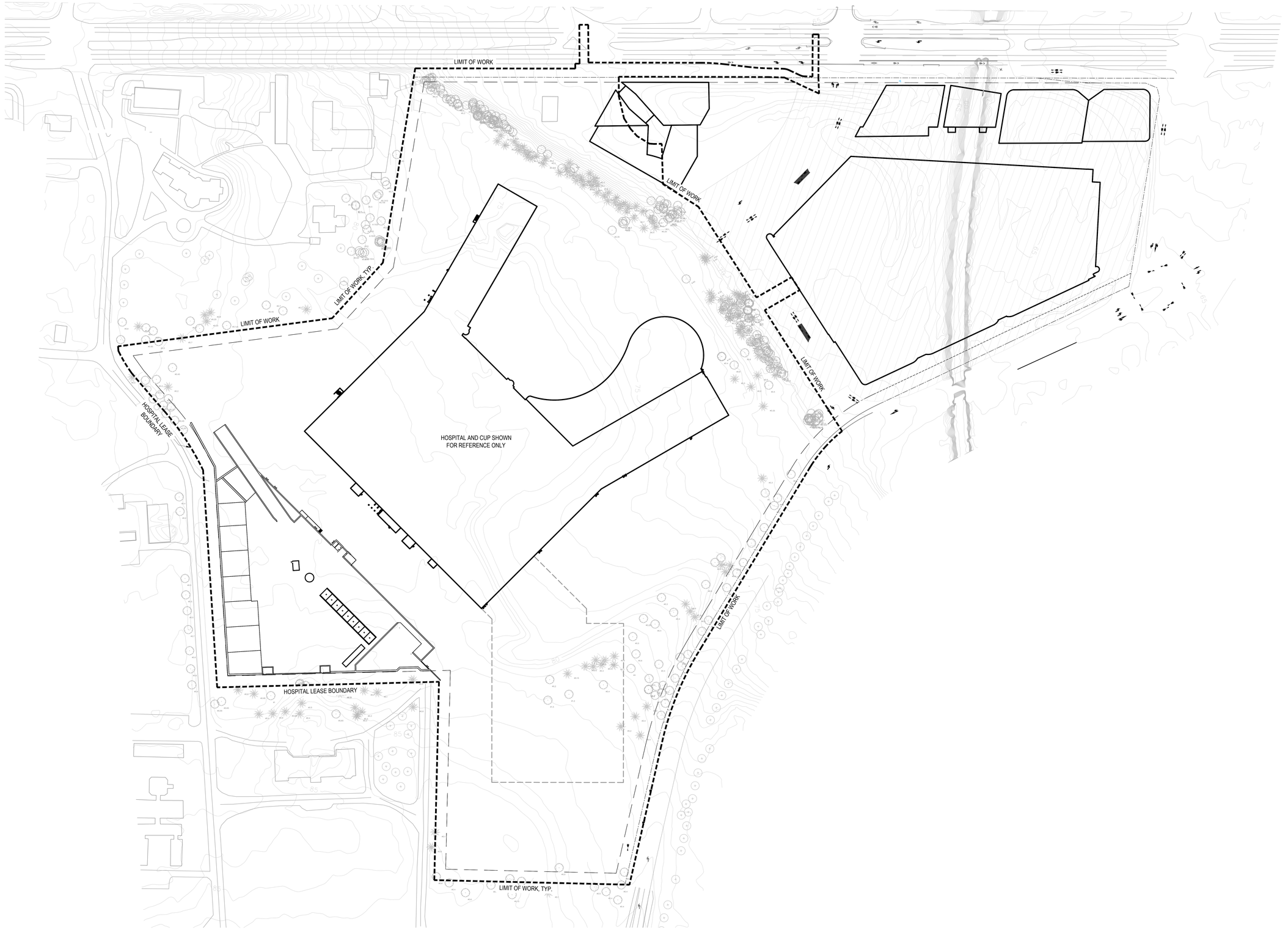
CLEAN EQUIPMENT PROTOCOL

Sheet Number

L-2.2.2.103

Project Status

STAGE 3



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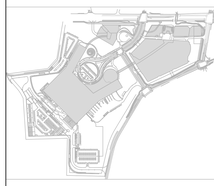

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Project Designer	JEG
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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10320980
Original Issue	04/21/22

Sheet Name

EXISTING TOPOGRAPHY PLAN

Sheet Number

L-2.2.2.200

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

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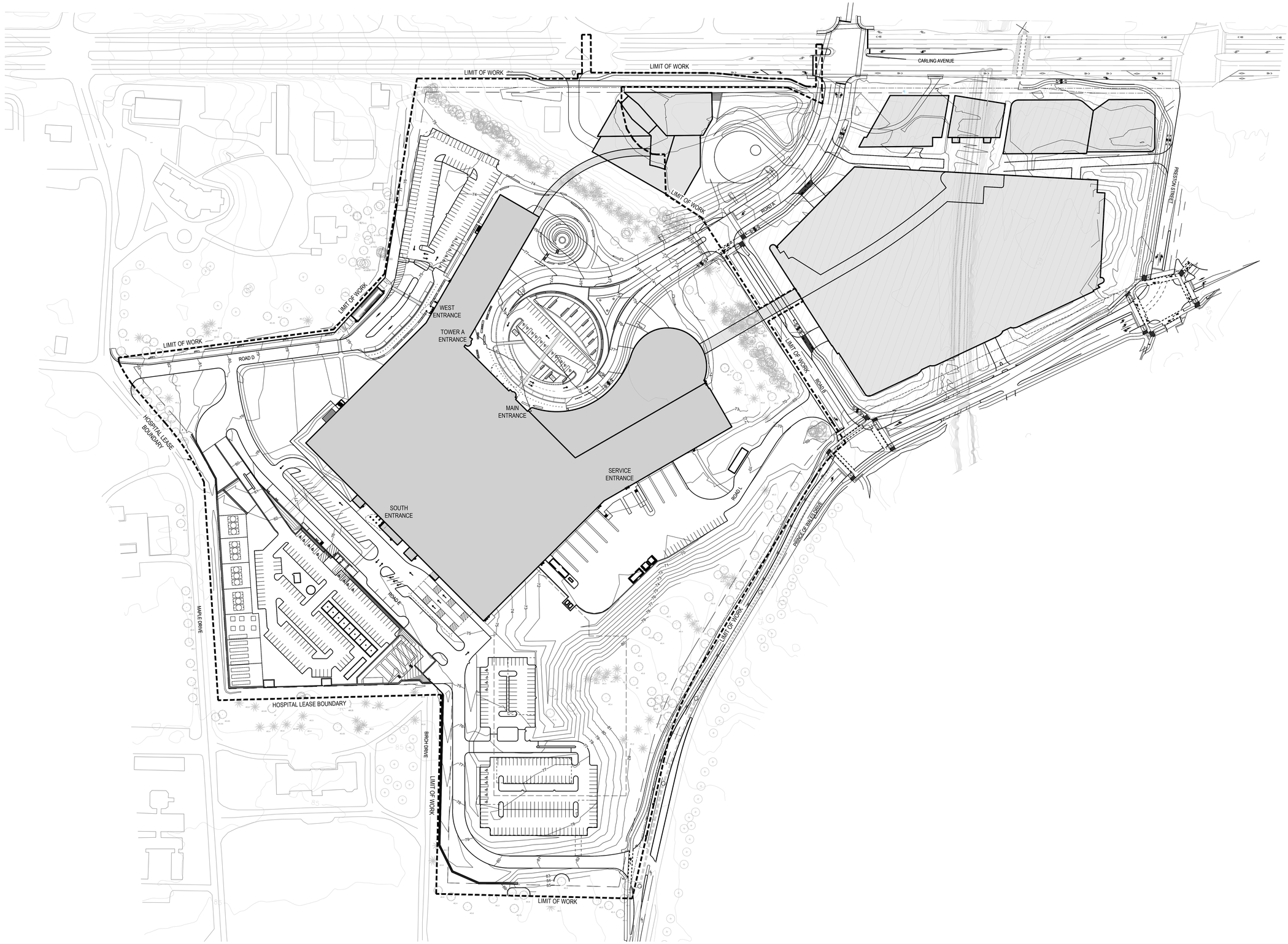
Scale 1: 750



PLAN NORTH
TRUE NORTH

0 18.75m 37.5m 75m

Scale 1: 750

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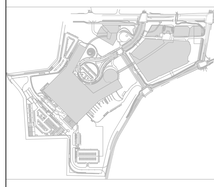
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HOPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

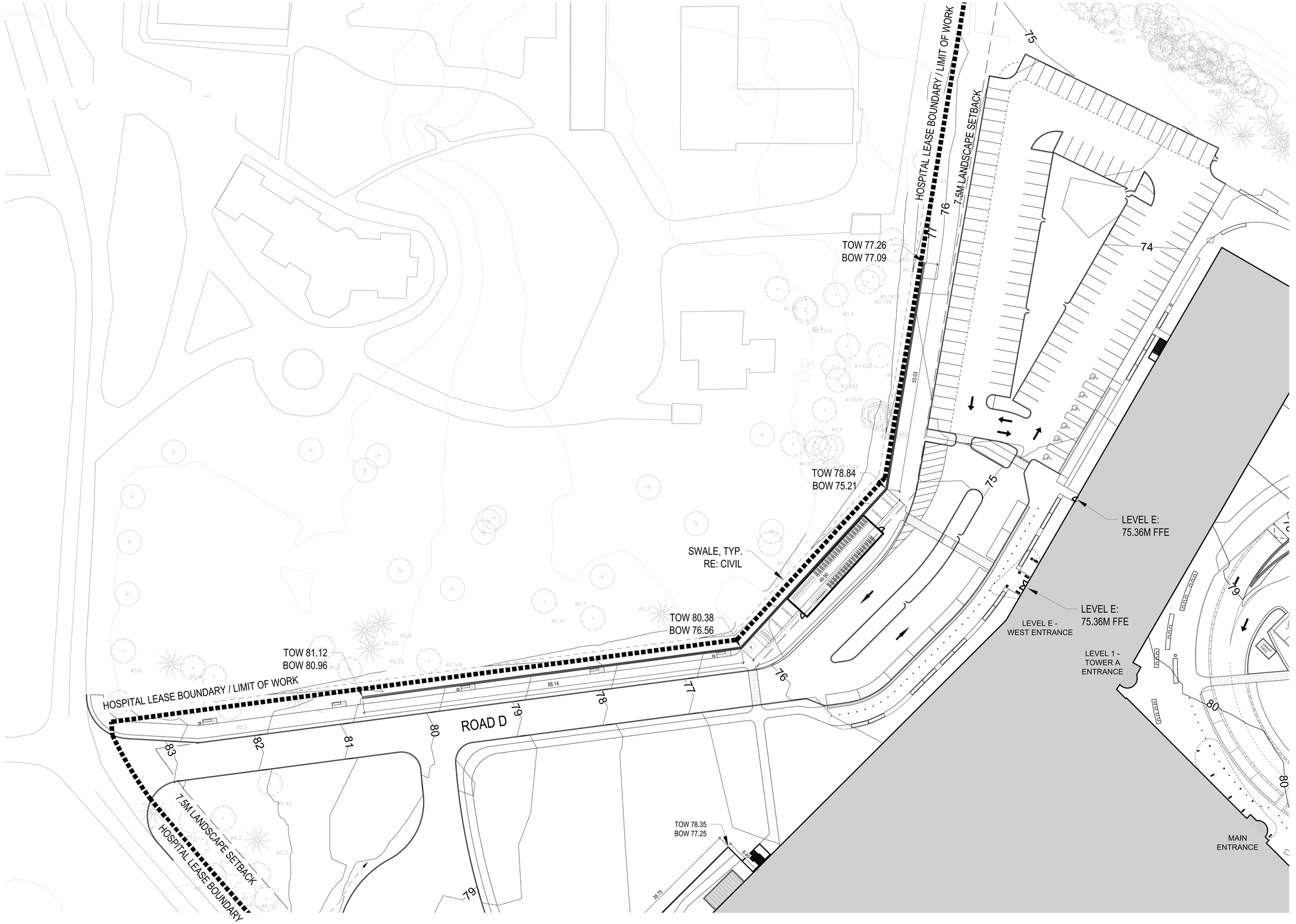
OVERALL GRADING PLAN

Sheet Number

L-2.2.2.201

Project Status

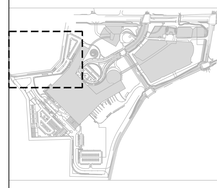
STAGE 3



PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m
Scale 1: 250

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



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
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Plumbing Engineer	Smith + Andersen
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Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FUDA APPROVAL

Project Number	10333582
Original Issue	04/21/22

Sheet Name

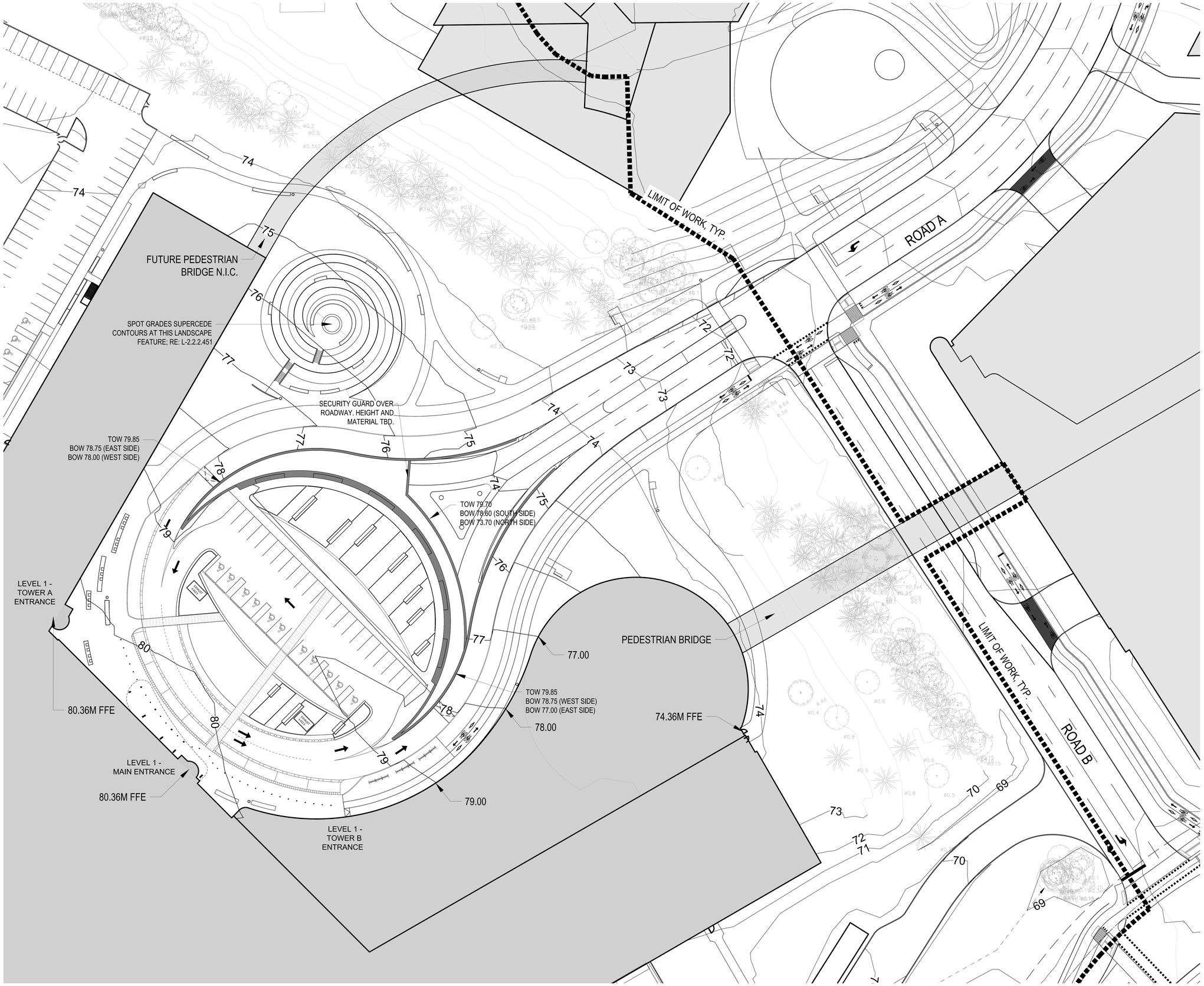
GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.202

Project Status

STAGE 3



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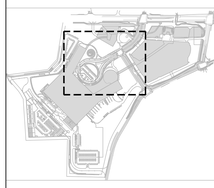
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
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Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
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Wayfinding	
Sheet Reviewer	Author

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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.203

Project Status

STAGE 3



PLAN NORTH

TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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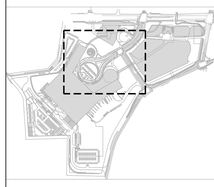
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
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Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
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Project Number	103335982
Original Issue	04/21/22

Sheet Name

GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.203.1

Project Status

STAGE 3

LEVEL B:
SERVICE
ENTRANCE
70.36M FFE

BIOSWALE, TYP
RE: CIVIL

ROAD L

TOW 70.36 (NORTH SIDE)
BOW 69.38 (SOUTH SIDE)
LEVEL B:
MORGUE ENTRANCE
70.36M FFE

TOW 72.05 (SOUTH SIDE)
BOW 70.36 (NORTH SIDE)

TOW 70.12 (SOUTH SIDE)
BOW 69.96 (NORTH SIDE)

TOW 70.35 (SOUTH SIDE)
BOW 70.04 (NORTH SIDE)
TOW 70.46 (SOUTH SIDE)
BOW 69.92 (NORTH SIDE)

TOW 71.85 (WEST SIDE)
BOW 70.18 (EAST SIDE)

TOW 71.81 (SOUTH SIDE)
BOW 70.11 (NORTH SIDE)

TOW 71.12 (SOUTH SIDE)
BOW 69.97 (NORTH SIDE)

PRINCE OF WALES DRIVE

7.5M LANDSCAPE SETBACK
HOSPITAL LEASE BOUNDARY / LIMIT OF WORK

PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m
Scale 1: 250

HDR Architecture Associates Inc.
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Ottawa, Ontario K1Z 6X6

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HOPITAL D'OTTAWA

PRELIMINARY
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Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
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Project Number	10333982
Original Issue	04/21/22

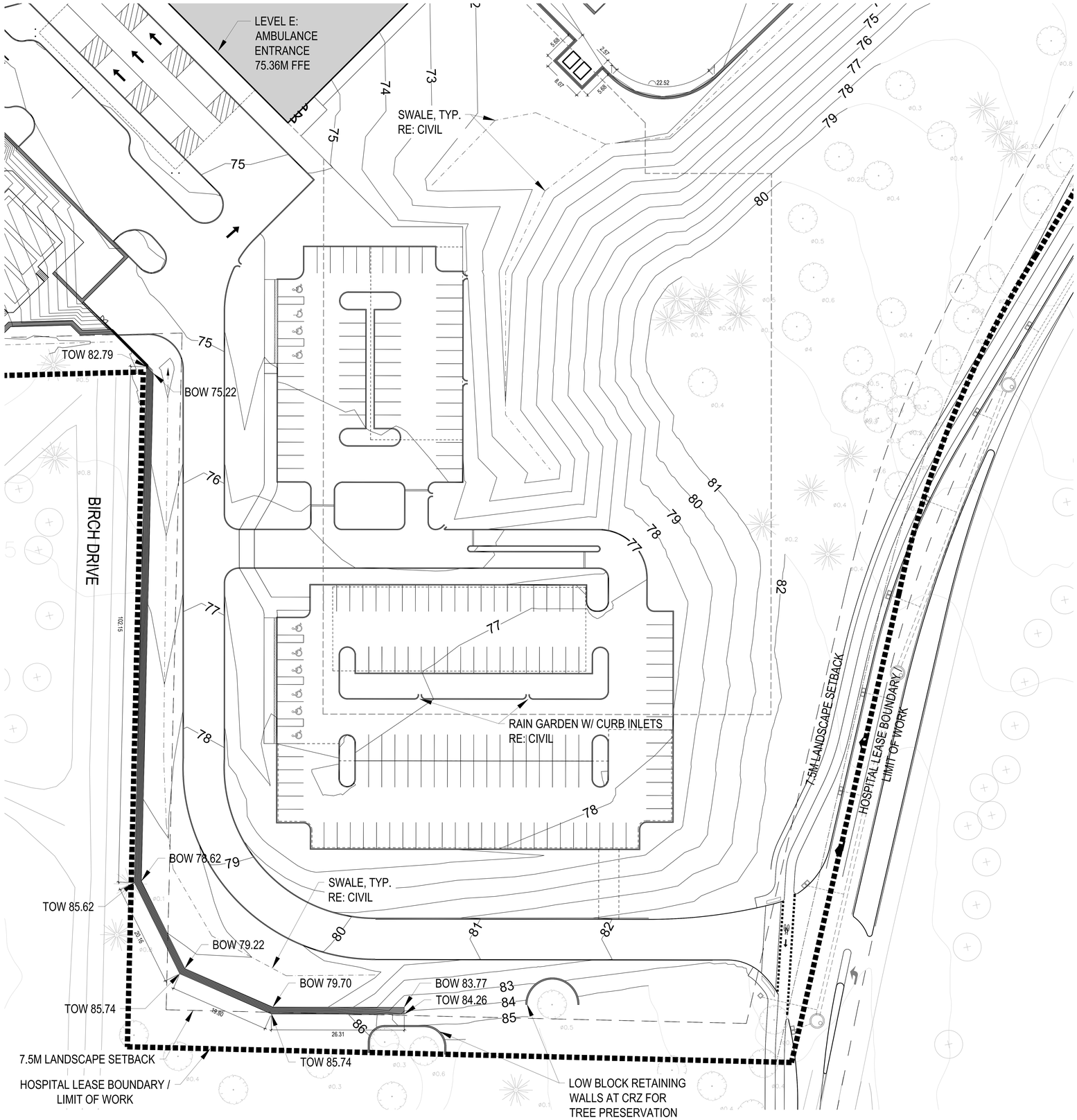
Sheet Name

GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.204

Project Status
STAGE 3



HDR Architecture Associates Inc.
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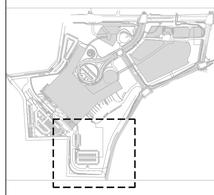
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fehr
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.205

Project Status
STAGE 3

PLAN NORTH
TRUE NORTH

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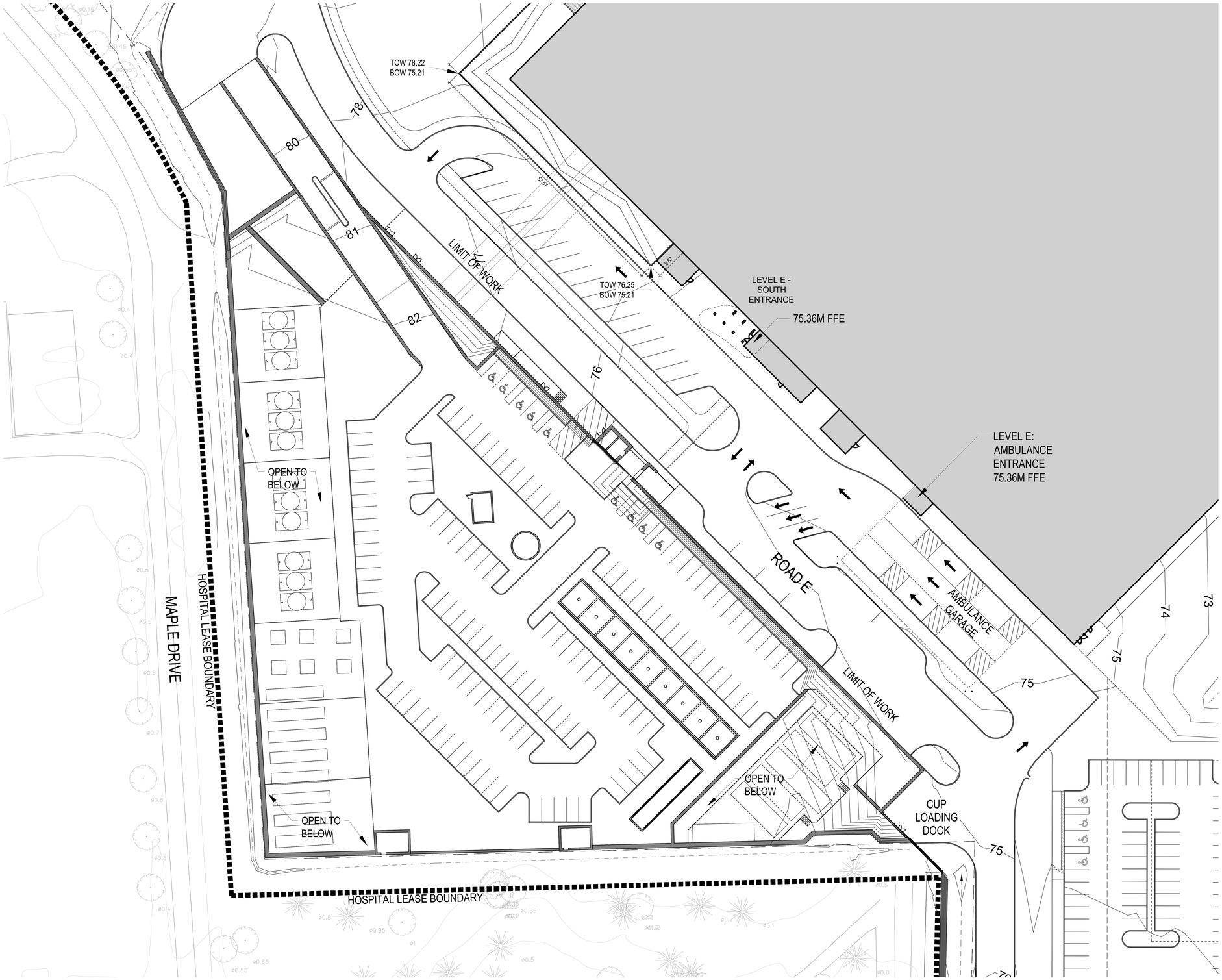
Scale 1: 250



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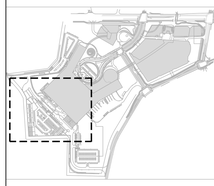

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
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Wayfinding	
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Project Number	103339982
Original Issue	04/21/22

Sheet Name

GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.206

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

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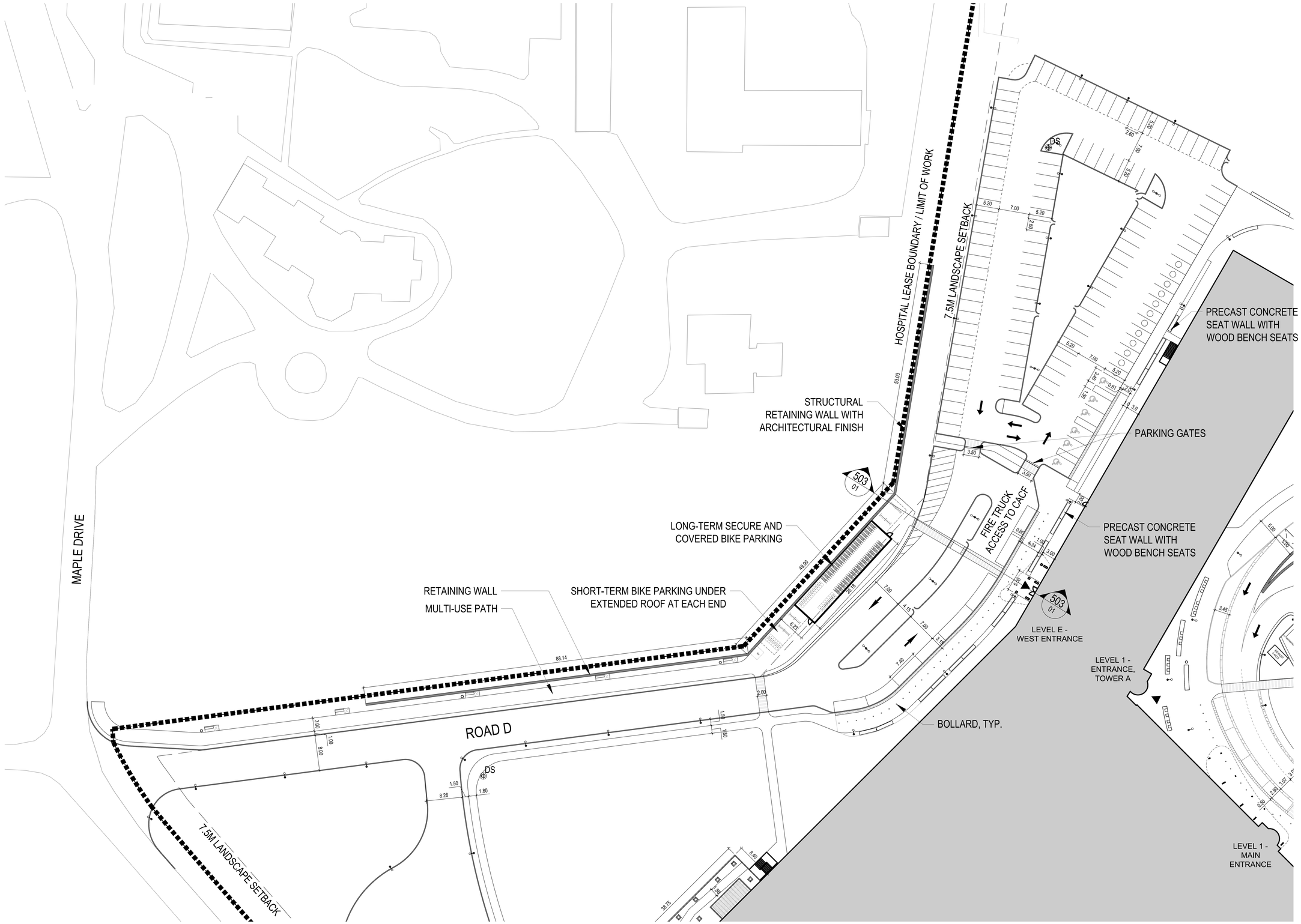
Scale 1: 250



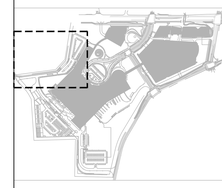
PLAN NORTH

TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
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Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	53333982
Original Issue	04/21/22

Sheet Name

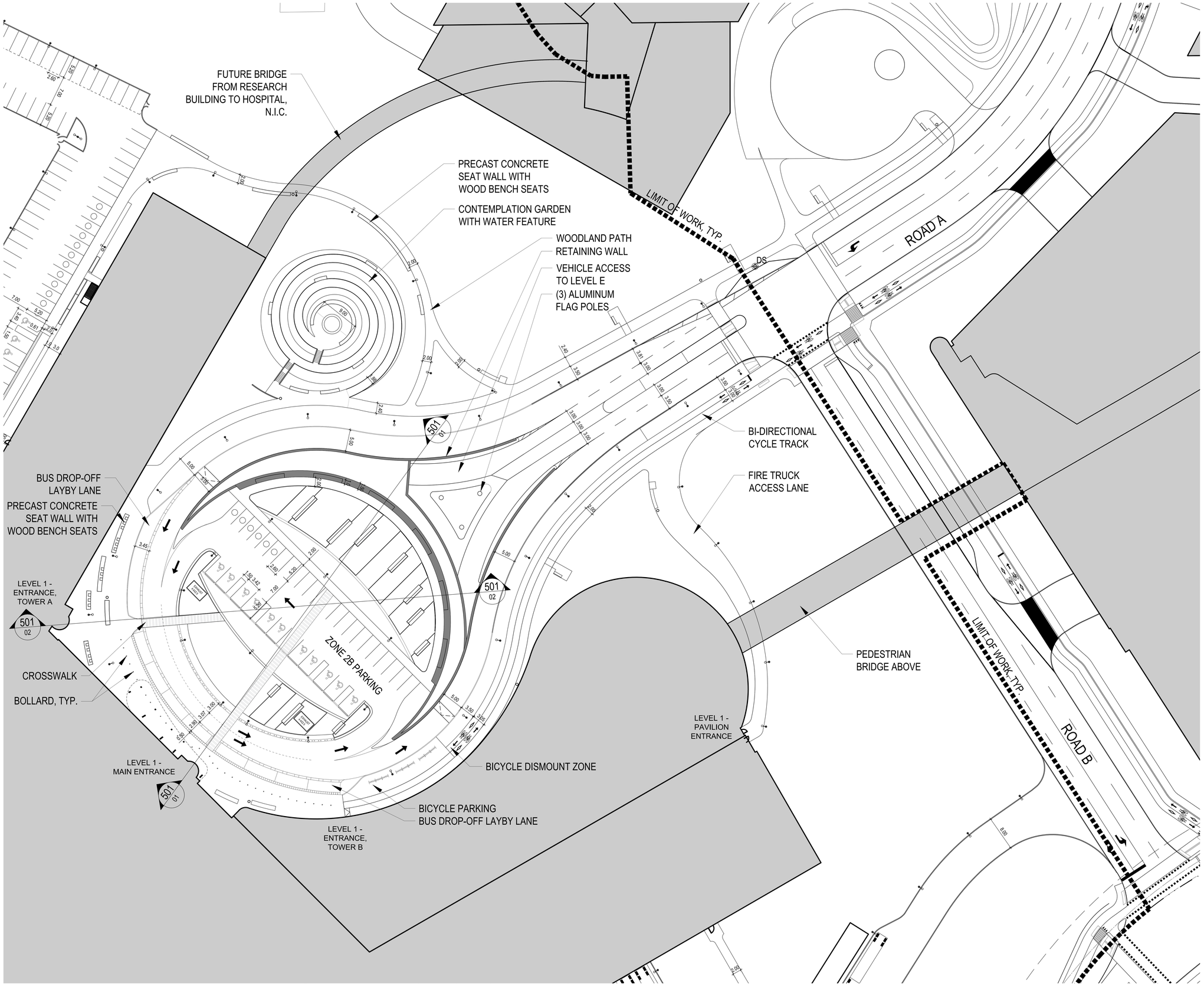
SITE LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.302

Project Status

STAGE 3



HDR Architecture Associates Inc.
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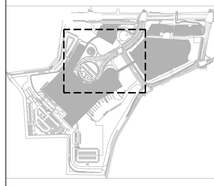

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-04-14	ISSUED FOR DPC & FUDA APPROVAL

Project Number 10333982
Original Issue 04/21/22

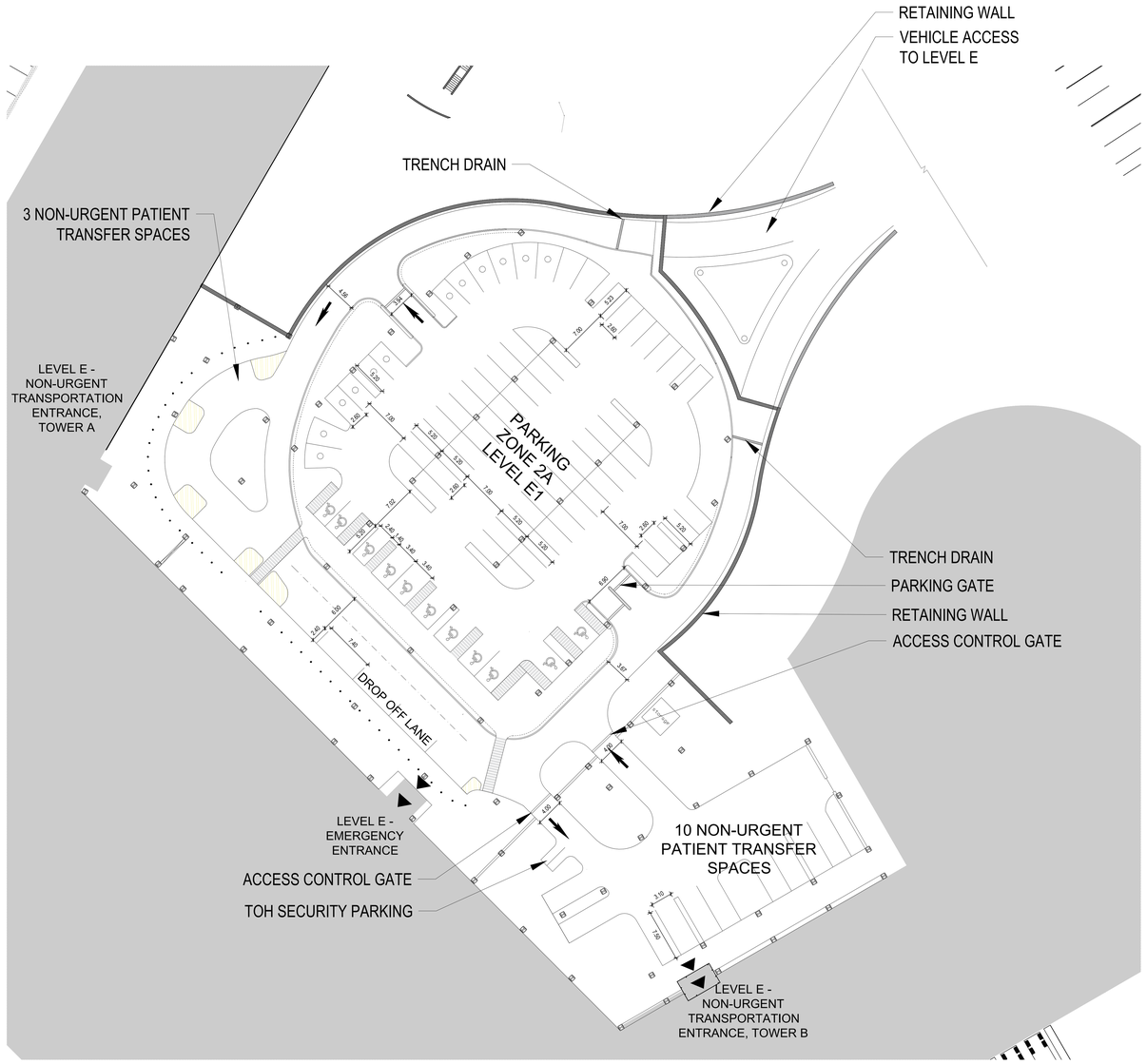
Sheet Name

SITE LAYOUT
ENLARGEMENT

Sheet Number

L-2.2.2.303

Project Status
STAGE 3



PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m
Scale 1: 250

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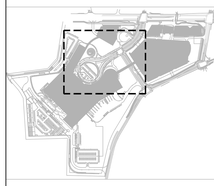
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fiehs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-30	ISSUED FOR PRE-CONSULTATION
	2022-11-30	ISSUED FOR SPC & FUDA - 1ST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FUDA APPROVAL

Project Number	103339982
Original Issue	04/21/22

Sheet Name

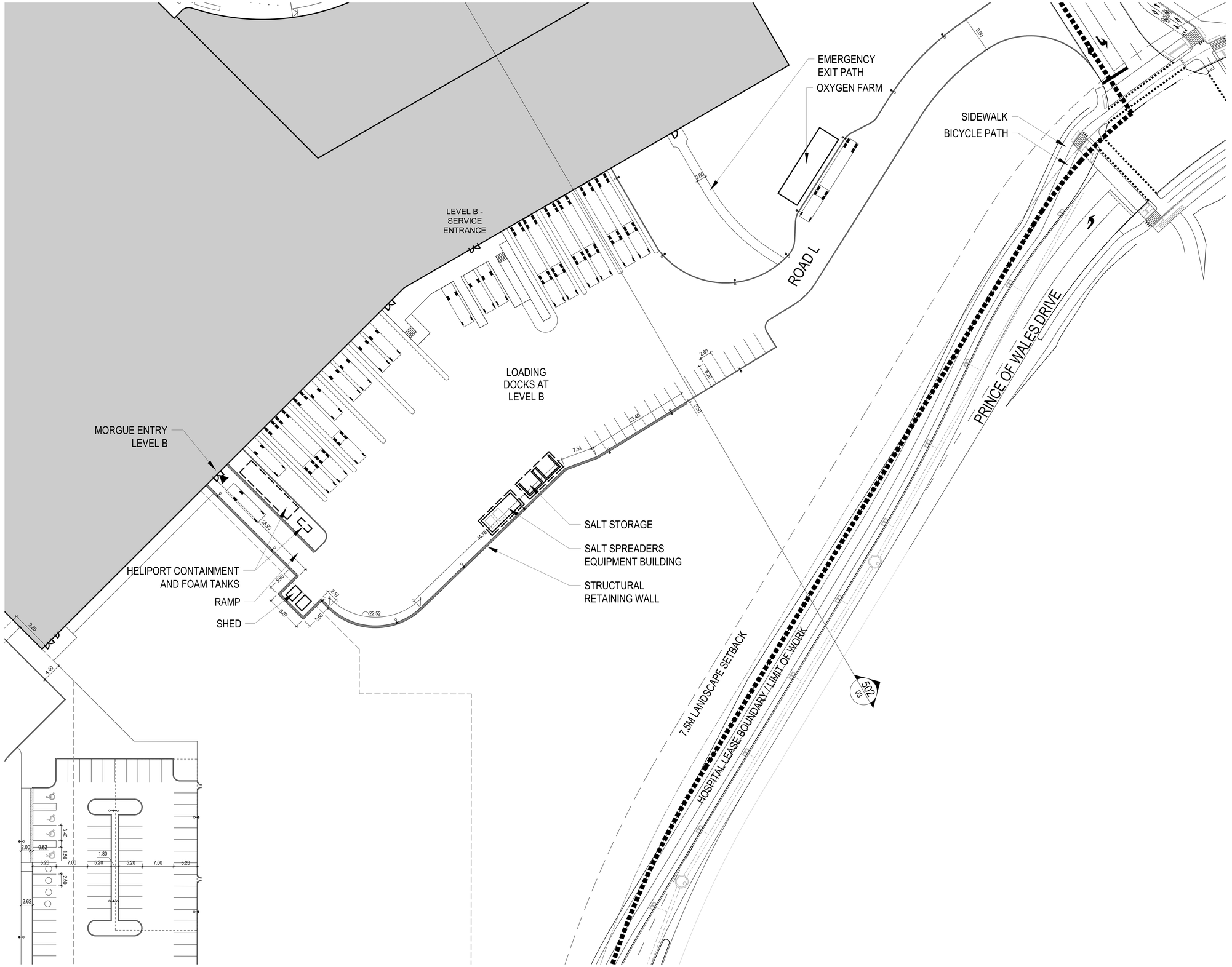
SITE LAYOUT
ENLARGEMENT
EMERGENCY ENTRANCE

Sheet Number

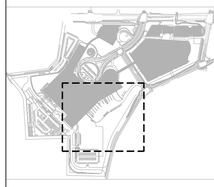
L-2.2.2.303.1

Project Status

STAGE 3



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



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-02-24	ISSUED FOR RPP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLIDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

SITE LAYOUT
ENLARGEMENT

Sheet Number

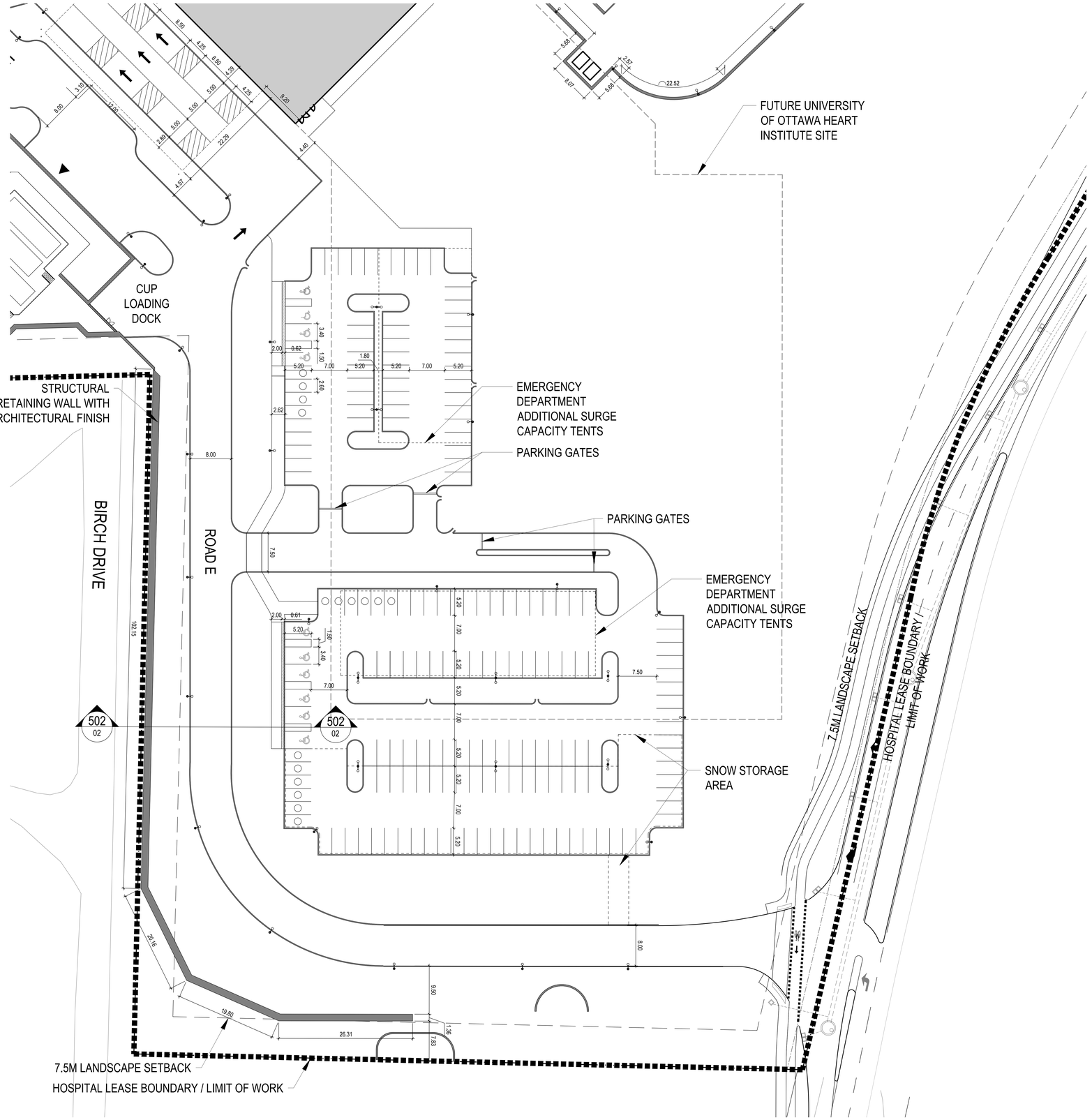
L-2.2.2.304

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m
Scale 1: 250



HDR Architecture Associates Inc.
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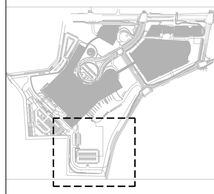
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

SITE LAYOUT
ENLARGEMENT

Sheet Number

L-2.2.2.305

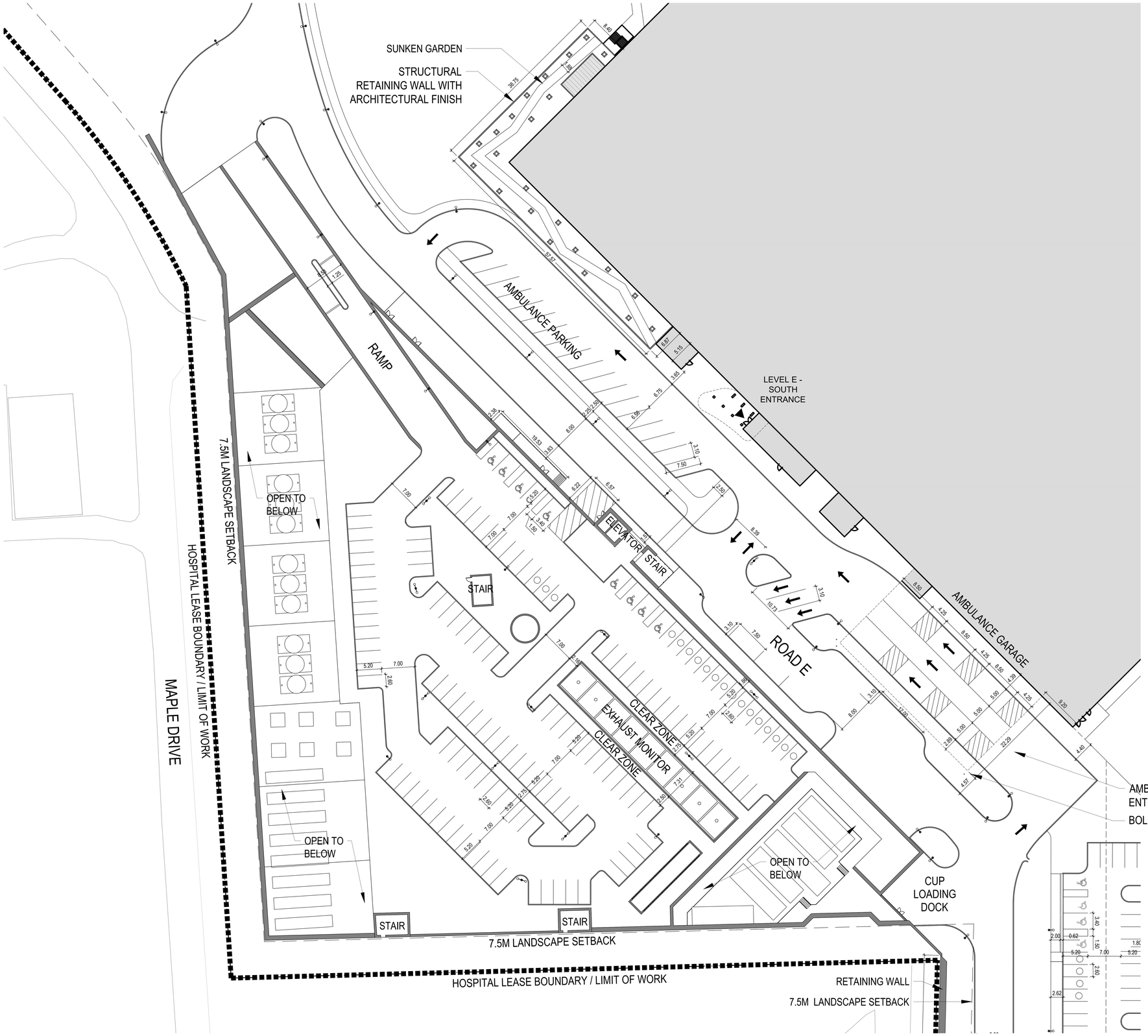
Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m

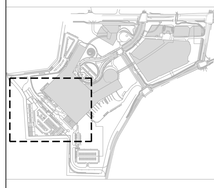
Scale 1: 250



PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m
Scale 1: 250

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



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FUDA APPROVAL

Project Number 10333982
Original Issue 04/21/22

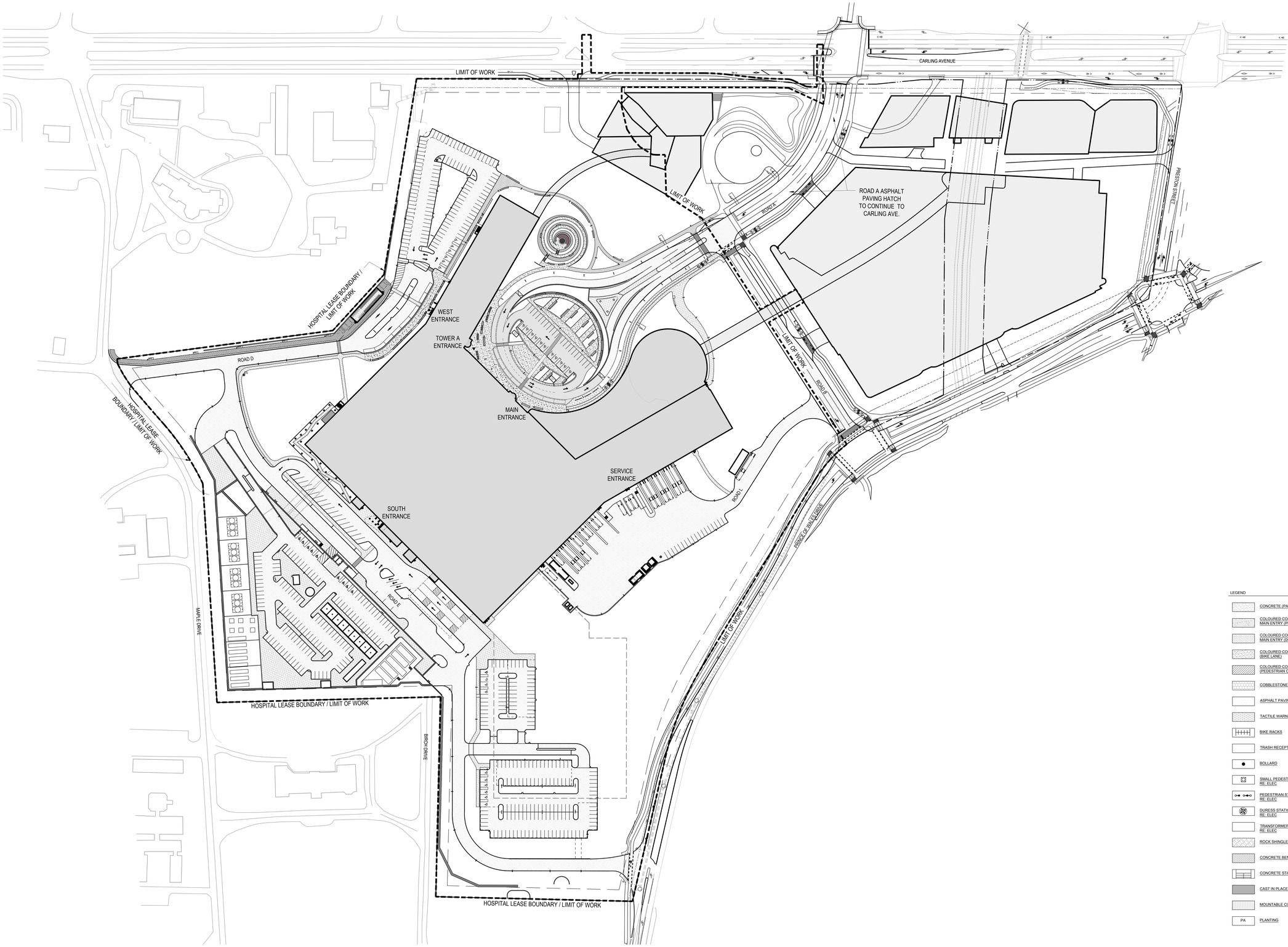
Sheet Name

SITE LAYOUT
ENLARGEMENT

Sheet Number

L-2.2.2.306

Project Status
STAGE 3



LEGEND

- CONCRETE (PATHWAY)
- COLOURED CONCRETE MAIN ENTRY (PEDESTRIAN)
- COLOURED CONCRETE MAIN ENTRY (DRIVEWAY)
- COLOURED CONCRETE (BIKE LANE)
- COLOURED CONCRETE (PEDESTRIAN CROSSING)
- COBBLESTONE
- ASPHALT PAVING
- TACTILE WARNING
- BIKE RACKS
- TRASH RECEPTACLE
- BOLLARD
- SMALL PEDESTRIAN LIGHTS RE: ELEC
- PEDESTRIAN STREET LIGHTS RE: ELEC
- DURESS STATION RE: ELEC
- TRANSFORMER RE: ELEC
- ROCK SHINGLES
- CONCRETE BENCH
- CONCRETE STAIR
- CAST IN PLACE RETAINING WALL
- MOUNTABLE CURB
- PA PLANTING

PLAN NORTH / TRUE NORTH

0 18.75m 37.5m 75m

Scale 1: 750

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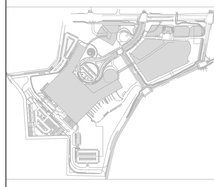
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
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Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number 10333582
Original Issue 04/21/22

Sheet Name

OVERALL SITE MATERIALS PLAN

Sheet Number

L-2.2.2.401

Project Status
STAGE 3



PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m
Scale 1: 250

HDR

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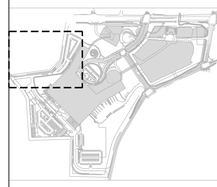
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

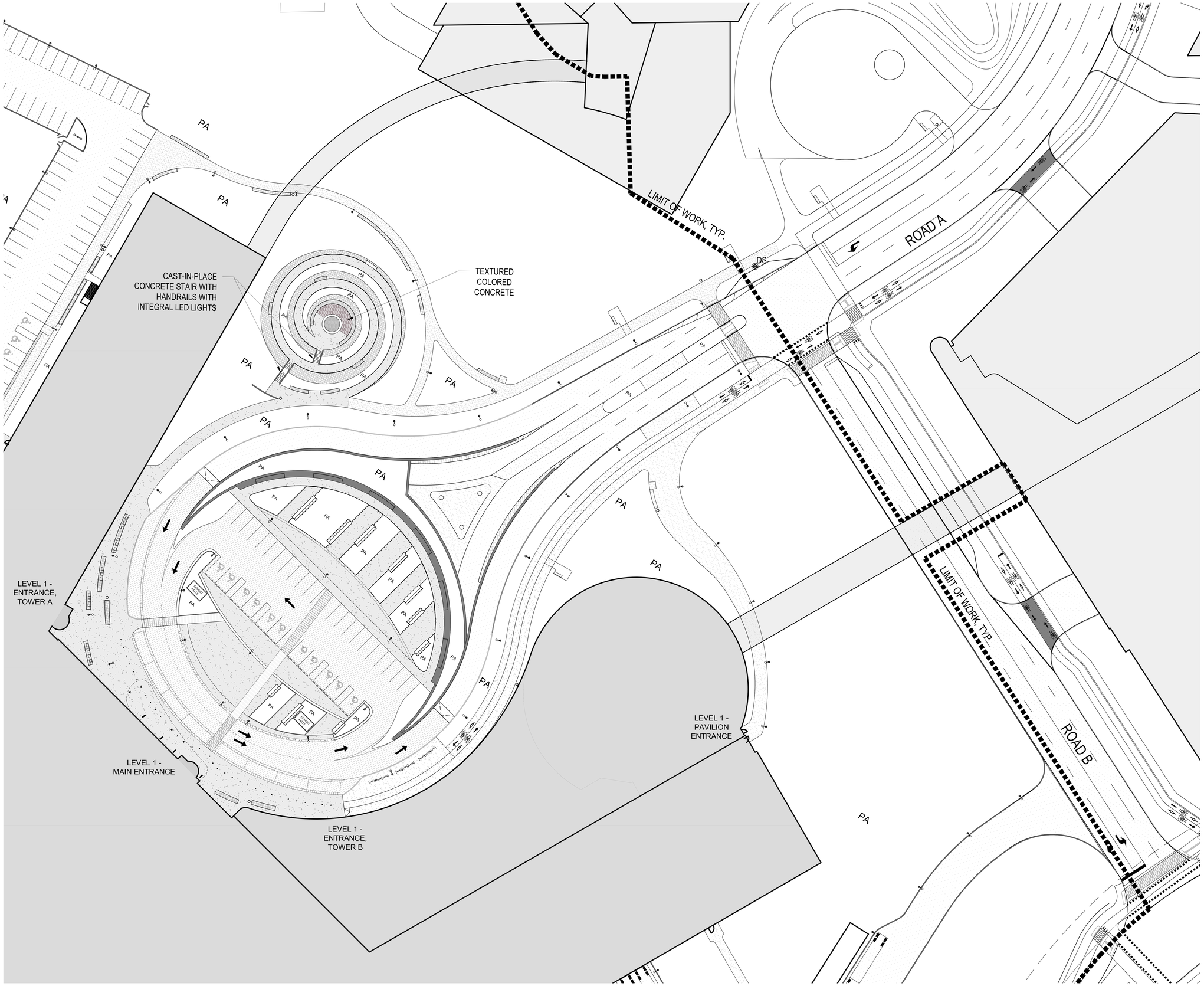
SITE MATERIALS ENLARGEMENT

Sheet Number

L-2.2.2.402

Project Status

STAGE 3



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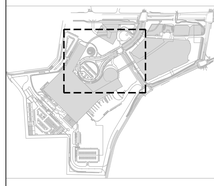
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
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Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-30	ISSUED FOR PRE-CONSULTATION
	2022-11-30	ISSUED FOR DPC & FUDA - 1ST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR DPC & FUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

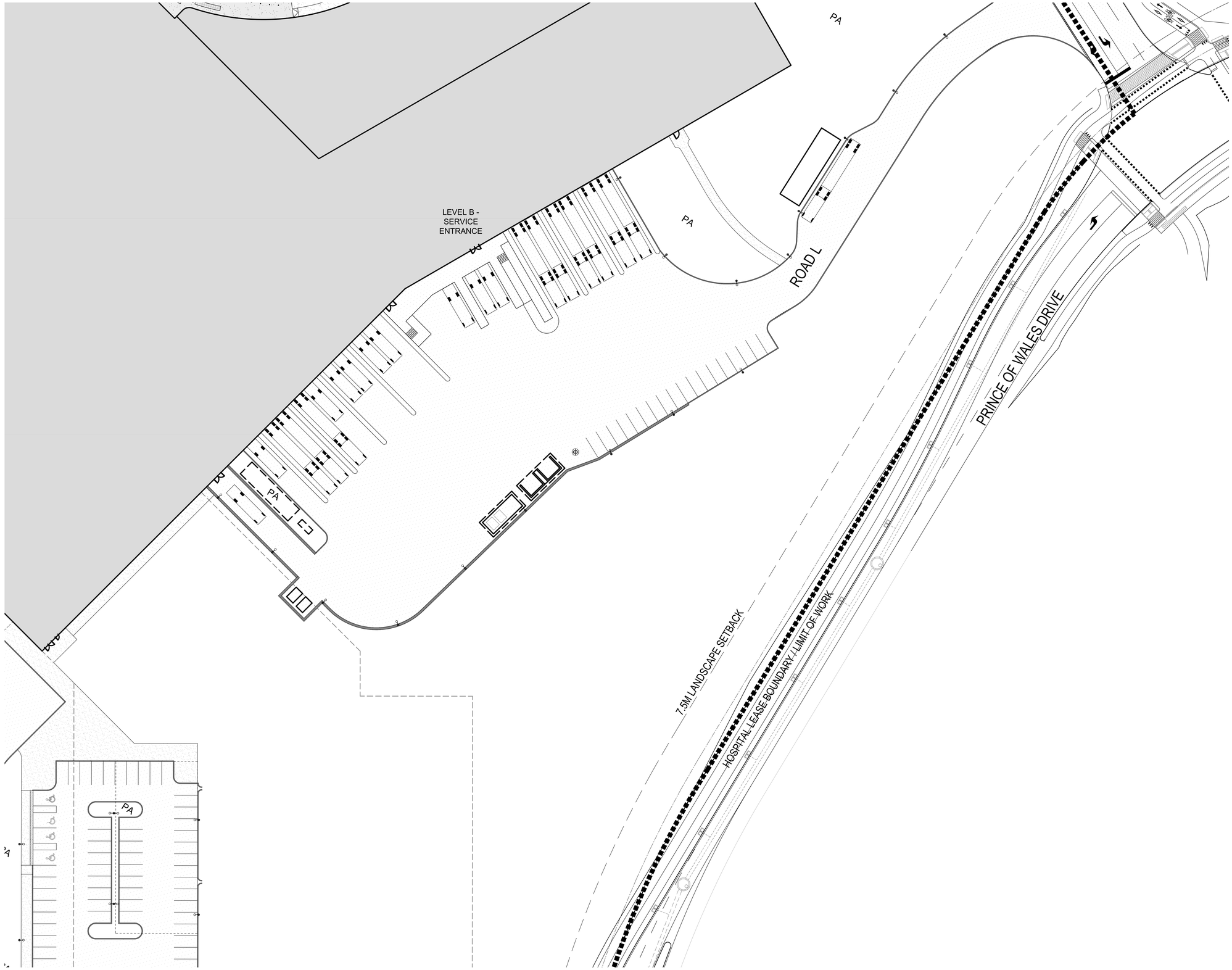
SITE MATERIALS ENLARGEMENT

Sheet Number

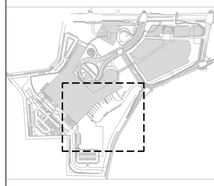
L-2.2.2.403

Project Status

STAGE 3



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



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
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Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
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Wayfinding	
Sheet Reviewer	Author

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Project Number	10333582
Original Issue	04/21/22

Sheet Name

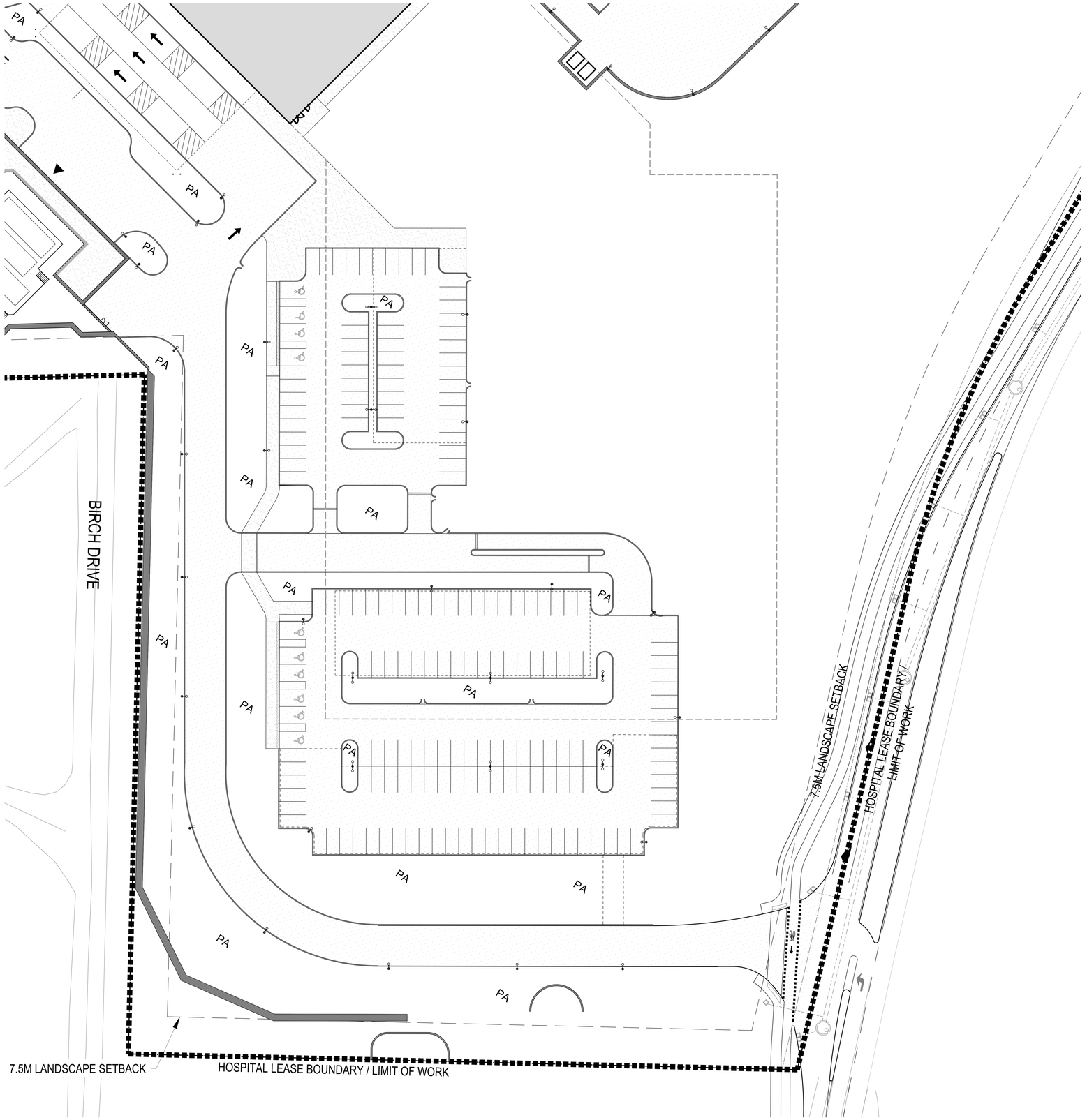
SITE MATERIALS
ENLARGEMENT

Sheet Number

L-2.2.2.404

Project Status

STAGE 3



LEGEND

- CONCRETE (PATHWAY)
- COLOURED CONCRETE MAIN ENTRY (PEDESTRIAN)
- COLOURED CONCRETE MAIN ENTRY (DRIVEWAY)
- COLOURED CONCRETE (BIKE LANE)
- COLOURED CONCRETE (PEDESTRIAN CROSSING)
- COBBLESTONE
- ASPHALT PAVING
- TACTILE WARNING
- BIKE RACKS
- TRASH RECEPTACLE
- BOLLARD
- SMALL PEDESTRIAN LIGHTS RE: ELEC
- PEDESTRIAN STREET LIGHTS RE: ELEC
- DURESS STATION RE: ELEC
- TRANSFORMER RE: ELEC
- ROCK SHINGLES
- CONCRETE BENCH
- CONCRETE STAIR
- CAST IN PLACE RETAINING WALL
- MOUNTABLE CURB
- PA PLANTING

PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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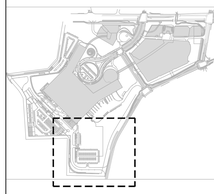
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Project Designer	JEG
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Wayfinding	
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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

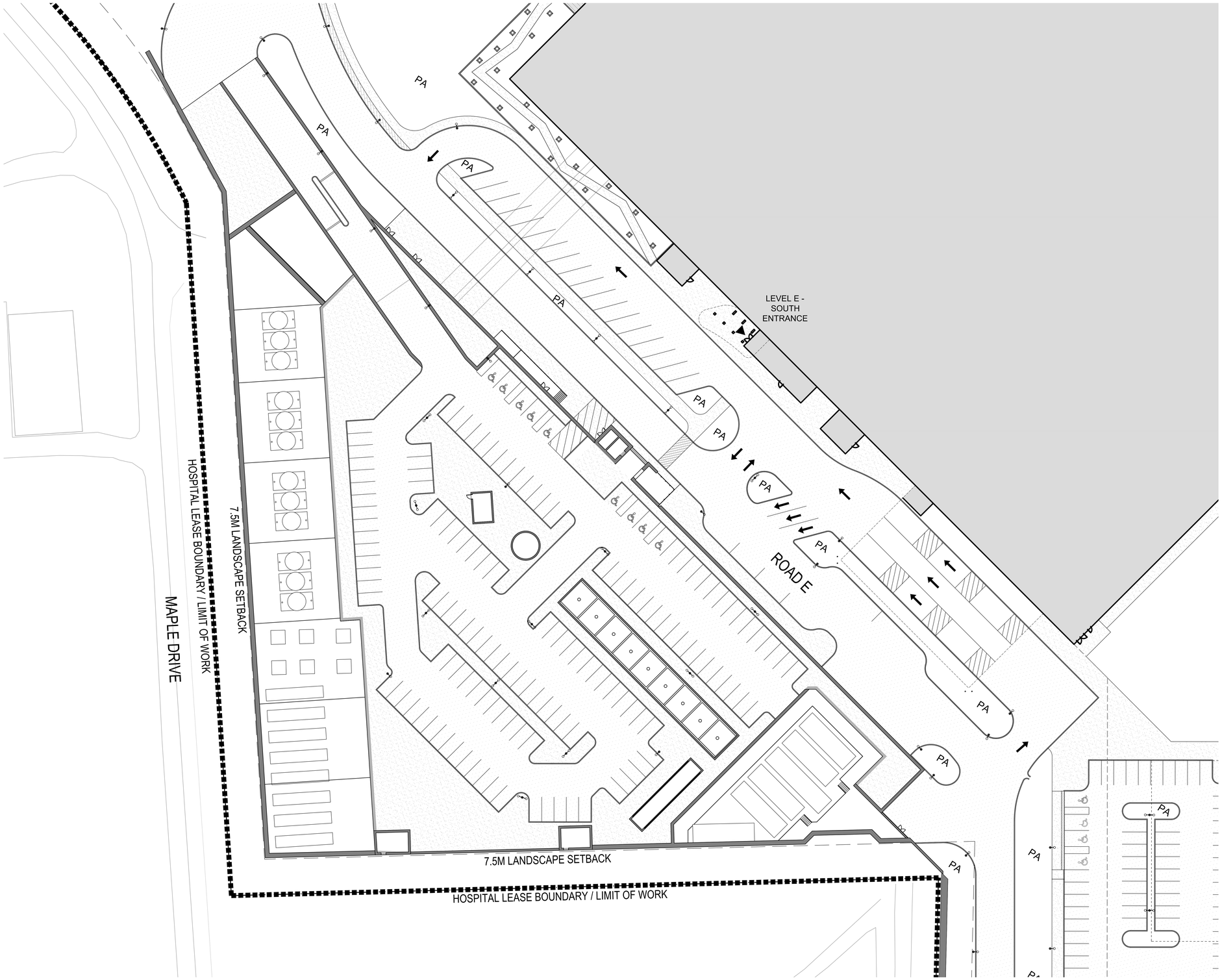
SITE MATERIALS
ENLARGEMENT

Sheet Number

L-2.2.2.405

Project Status

STAGE 3



LEGEND

- CONCRETE (PATHWAY)
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- MOUNTABLE CURB
- PA — PLANTING

PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

HDR Architecture Associates Inc.
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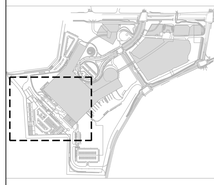

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	103339982
Original Issue	04/21/22

Sheet Name

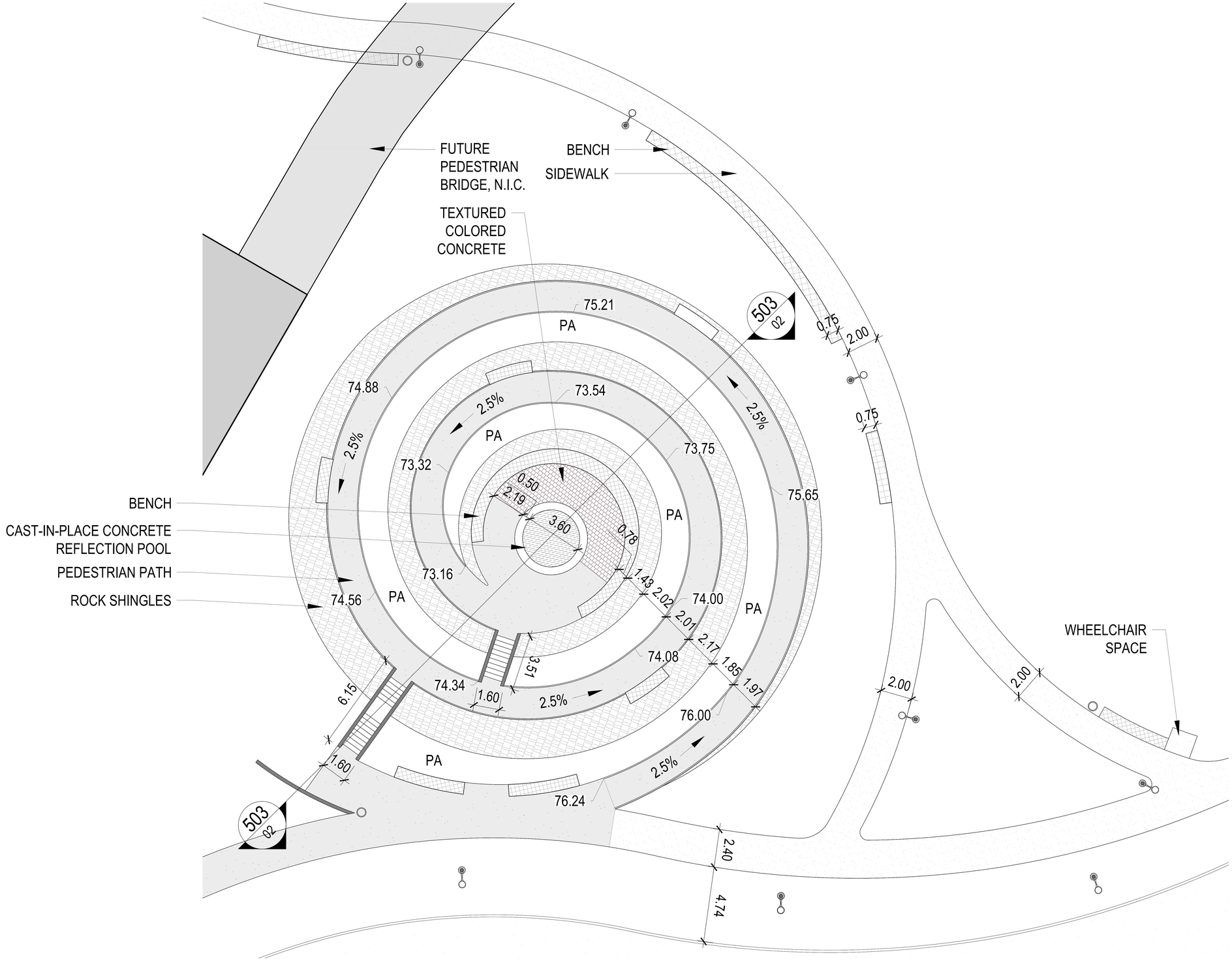
SITE MATERIALS
ENLARGEMENT

Sheet Number

L-2.2.2.406

Project Status

STAGE 3



LEGEND

- CONCRETE (PATHWAY)
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- COLOURED CONCRETE MAIN ENTRY (DRIVEWAY)
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- COBBLESTONE
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- BOLLARD
- SMALL PEDESTRIAN LIGHTS RE: ELEC
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- CONCRETE BENCH
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- MOUNTABLE CURB
- PA PLANTING

HDR Architecture Associates Inc.
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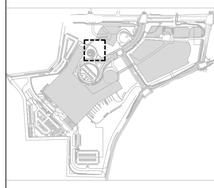

THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
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	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10320980
Original Issue	04/21/22

Sheet Name

CONTEMPLATION GARDEN ENLARGEMENT

Sheet Number

L-2.2.2.451

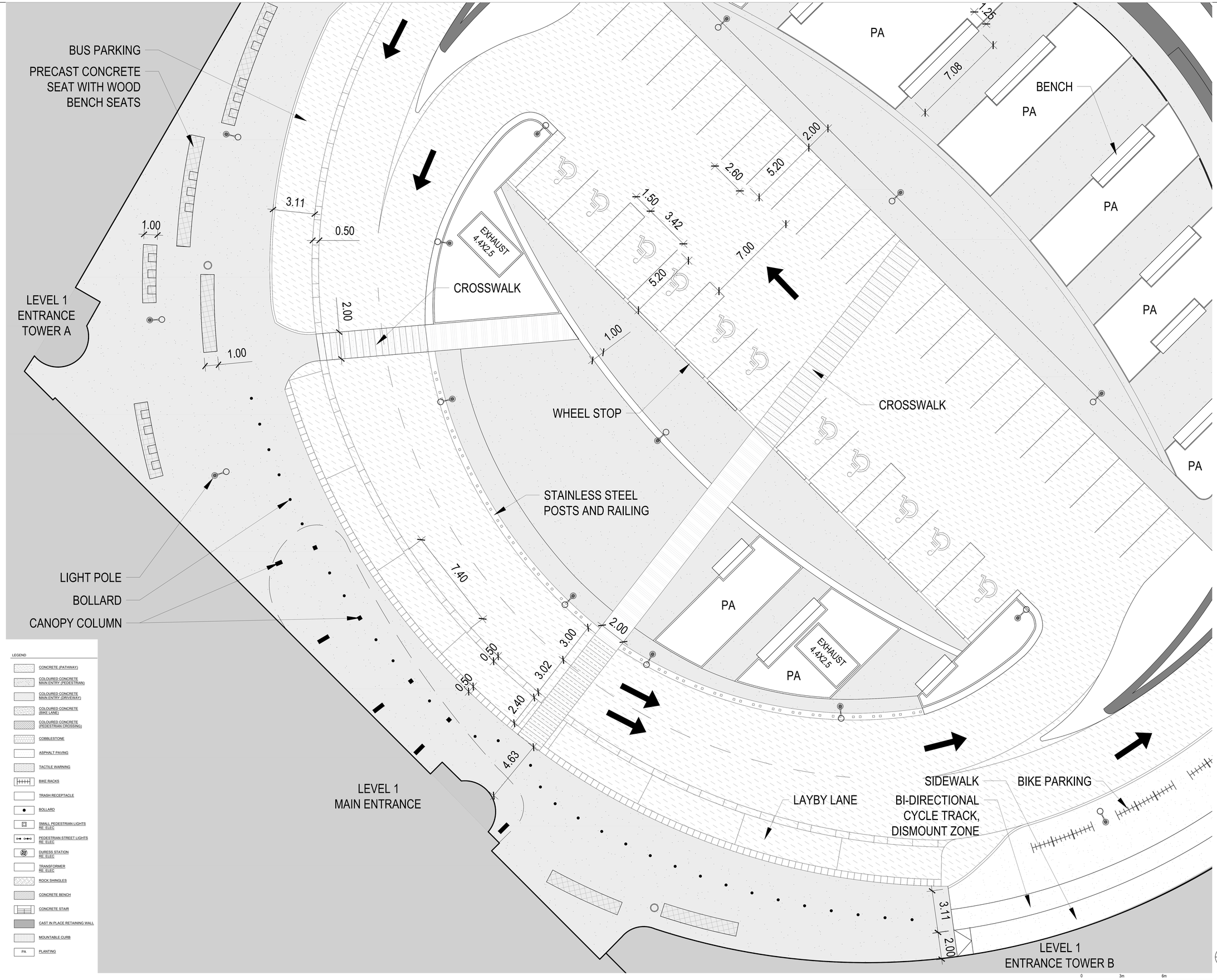
Project Status

STAGE 3

PLAN NORTH / TRUE NORTH

0 3m 6m 12m

Scale 1: 75



LEGEND

- CONCRETE (PATHWAY)
- COLOURED CONCRETE MAIN ENTRY (PEDESTRIAN)
- COLOURED CONCRETE MAIN ENTRY (DRIVEWAY)
- COLOURED CONCRETE (BIKE LANE)
- COLOURED CONCRETE (PEDESTRIAN CROSSING)
- COBBLESTONE
- ASPHALT PAVING
- TACTILE WARNING
- BIKE RACKS
- TRASH RECEPTACLE
- BOLLARD
- SMALL PEDESTRIAN LIGHTS RE: ELEC
- PEDESTRIAN STREET LIGHTS RE: ELEC
- DURESS STATION RE: ELEC
- TRANSFORMER RE: ELEC
- ROCK SHINGLES
- CONCRETE BENCH
- CONCRETE STAIR
- CAST IN PLACE RETAINING WALL
- MOUNTABLE CURB
- PA PLANTING

PLAN NORTH / TRUE NORTH

0 3m 6m 12m

Scale 1: 75

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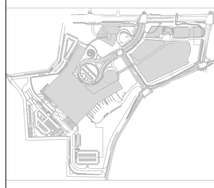

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

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Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fehr
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
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Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number 10333982
Original Issue 04/21/22

Sheet Name

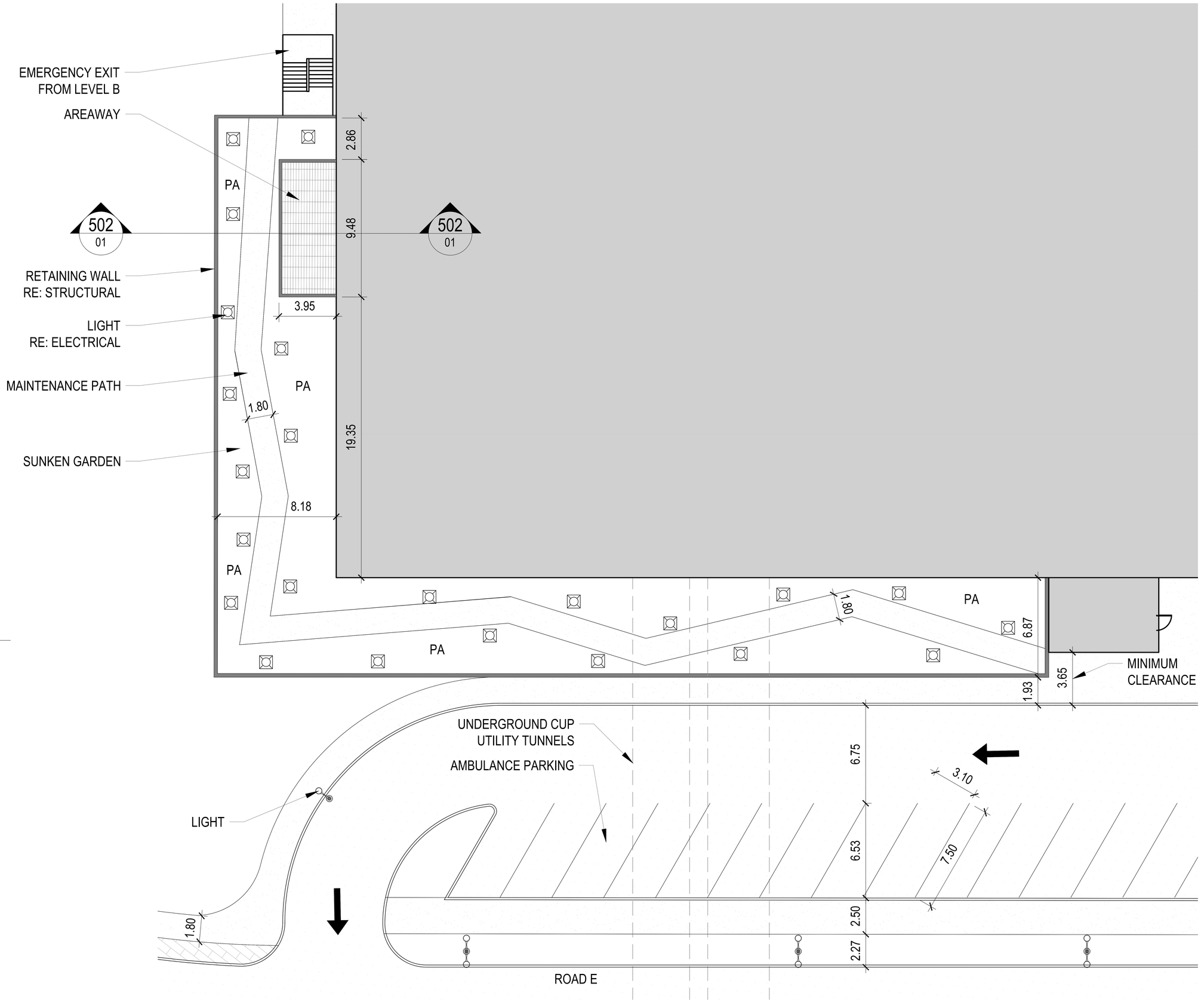
MAIN ENTRY ENLARGEMENT

Sheet Number

L-2.2.2.452

Project Status

STAGE 3



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- CONCRETE STAIR
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- MOUNTABLE CURB
- PA PLANTING

TRUE NORTH PLAN NORTH

0 3m 6m 12m

Scale 1: 75

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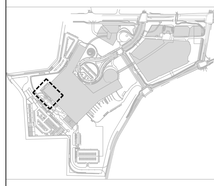

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Project Number	10333582
Original Issue	04/21/22

Sheet Name

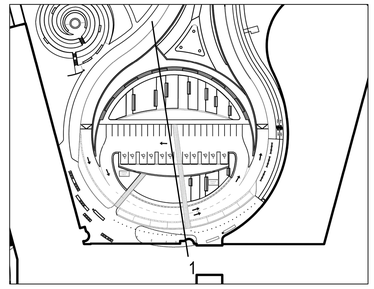
SUNKEN GARDEN
ENLARGEMENT

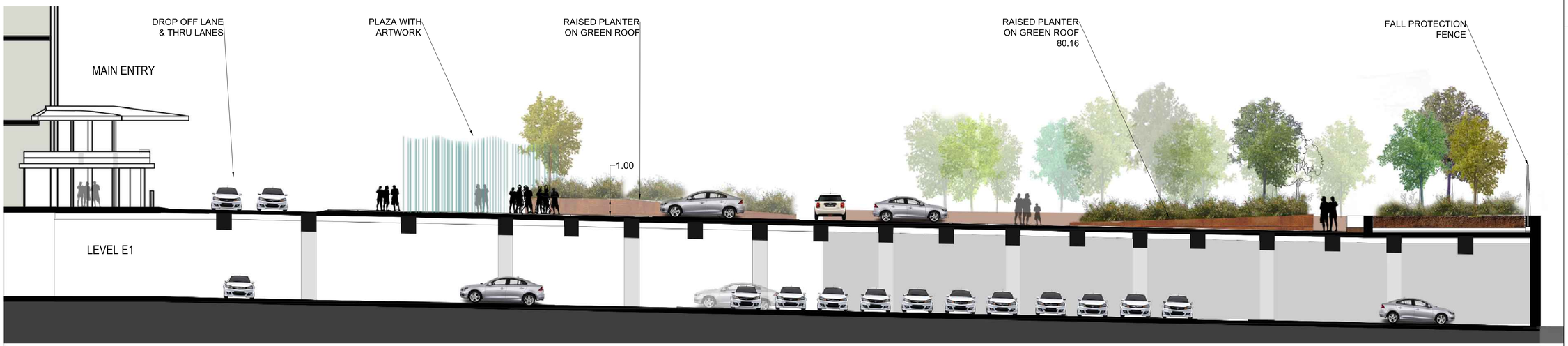
Sheet Number

L-2.2.2.453

Project Status

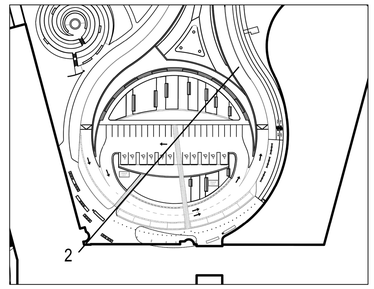
STAGE 3

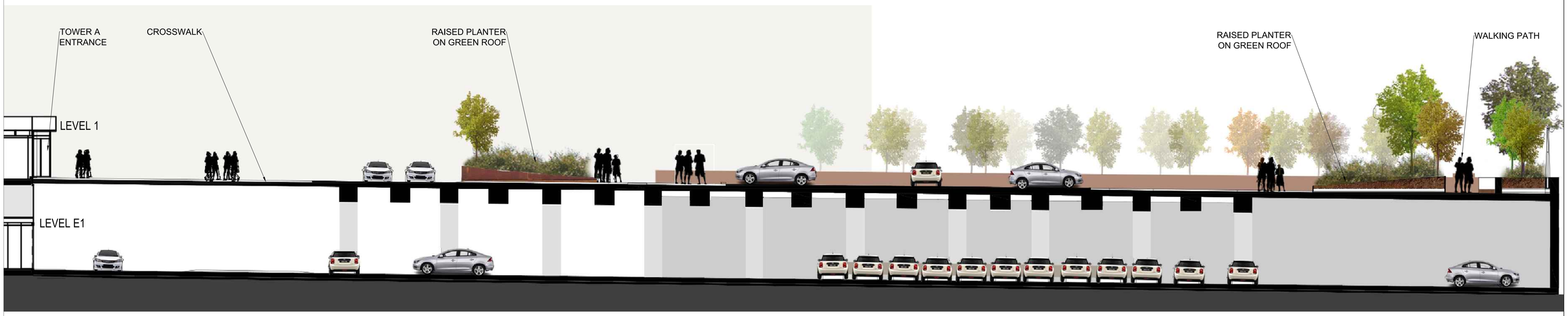




01.MAIN PLAZA SECTION

SCALE 1:75





02.TOWER A ENTRANCE / MAIN PLAZA SECTION

SCALE 1:75

HDR Architecture Associates Inc.
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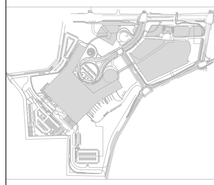
Ottawa, Ontario K1Z 6X6



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Original Issue	04/21/22

Sheet Name

SITE SECTIONS

Sheet Number

L-2.2.2.501

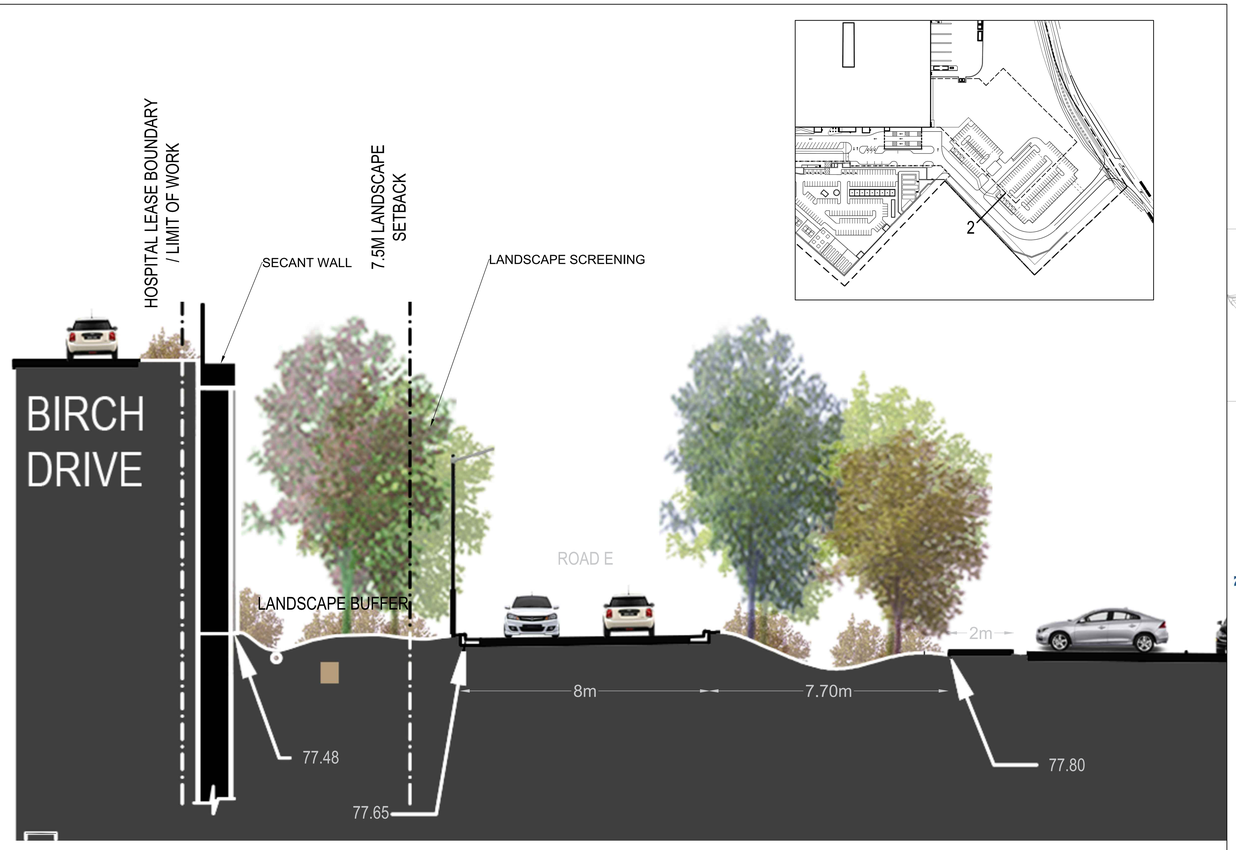
Project Status

STAGE 3



01. SUNKEN GARDEN SECTION

SCALE 1:60



02. ROAD E RETAINING WALL SECTION

SCALE 1:60



03.LOADING DOCKS- LONG SECTION

SCALE 1:250

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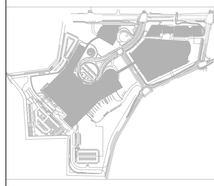

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SITE SECTIONS

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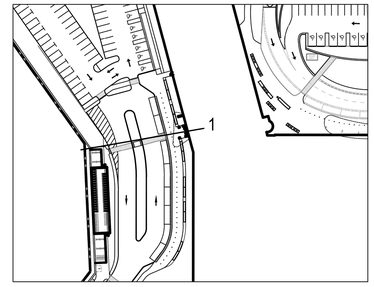
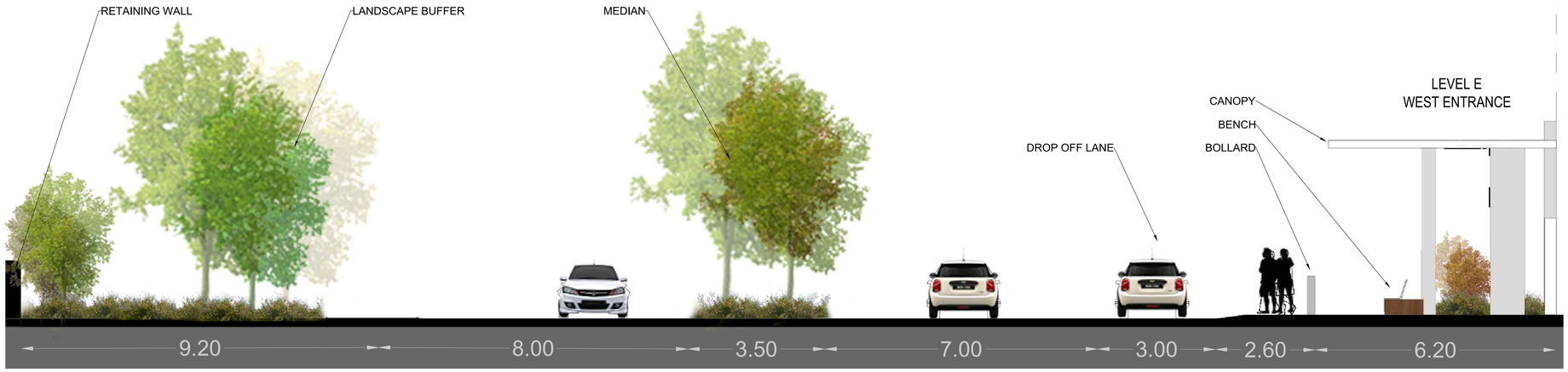
L-2.2.2.502

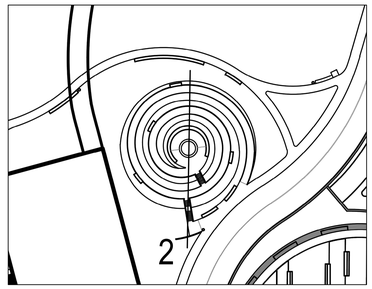
Project Status
STAGE 3





01.WEST ENTRANCE SECTION

SCALE 1:40





02.CONTEMPLATION GARDEN SECTION

SCALE 1:40

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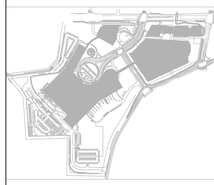
Ottawa, Ontario K1Z 6X6



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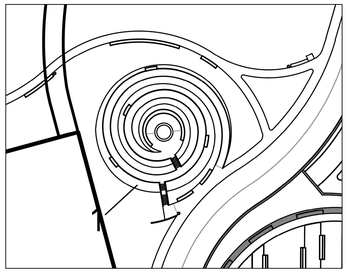
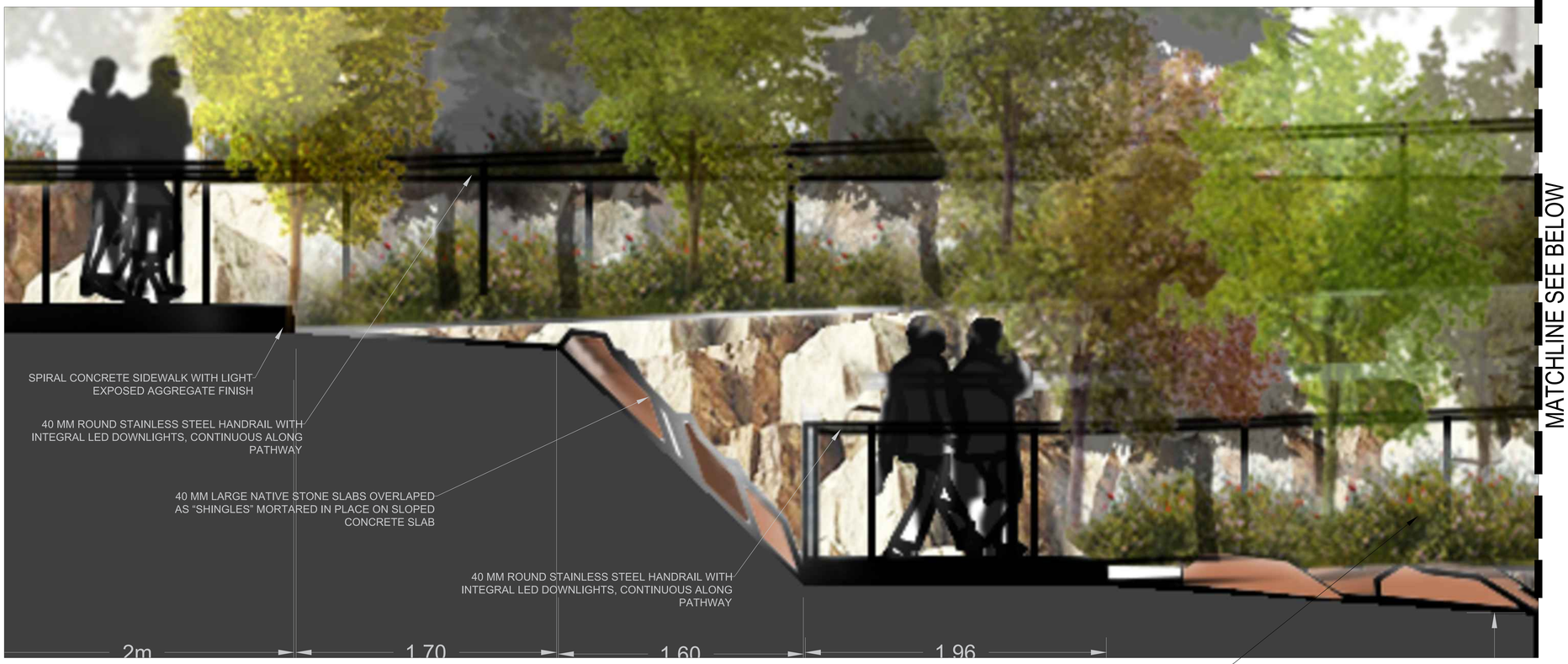
Project Number 10333982
Original Issue 04/21/22

Sheet Name
SITE SECTIONS

Sheet Number
L-2.2.2.503

Project Status
STAGE 3

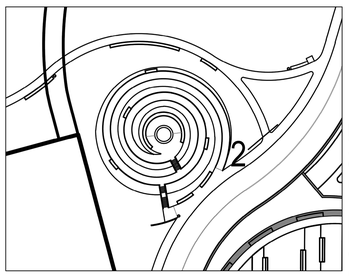




MATCHLINE SEE BELOW

01.CONTEMPLATION GARDEN

SCALE 1:10



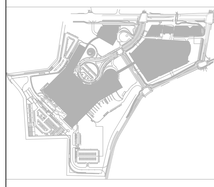
MATCHLINE SEE ABOVE



02.CONTEMPLATION GARDEN

SCALE 1:10

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



THE OTTAWA HOSPITAL
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Original Issue	04/21/22

Sheet Name

SITE SECTIONS

Sheet Number

L-2.2.2.504

Project Status

STAGE 3



6 SOLID SEAT BLOCKS



5 SOLID STAPLE BENCHES



4 ROUGH AND READY SEAT WALLS



7 MONOLINE LITTER BIN

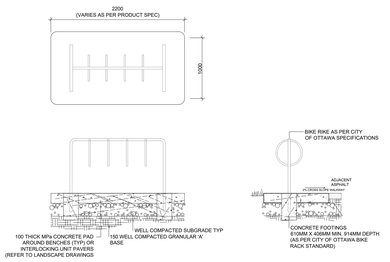






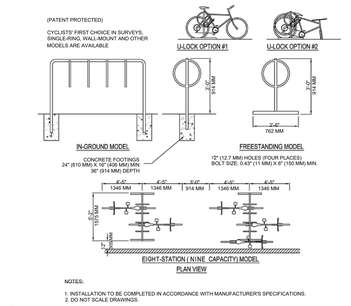


3 SEAT WALL WITH WOOD TOP



2 CONCRETE PAD FOR BIKE RACK

NTS



NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWINGS.

1 BIKE RACK

NTS

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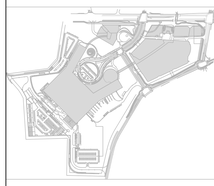

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Sheet Name

SITE DETAILS

Sheet Number

L-2.2.2.601

Project Status

STAGE 3

GROUND LEVEL PLANT LIST: PRELIMINARY Botanical Name	Common Name	Cont./ Cal. Size		Root Condition	Potential Mature Tree Size		Native to Ontario/ Non-native	Field Condition	Salt Tolerance	Wet/Dry Tolerance	Sun/Shade Tolerance	Street Trees	Remarks
Shade Trees	**Shade Trees**				**Height**	**Spread**	Y- Native, or Native Cultivar; N-Non-native		T-Tolerant M-Medium S-Sensitive			Street Tree	
Acer nigrum	Black Maple	50mm		B & B	20m (a)	14m (a)	Y	Single Stem	S	Wet/Dry	Sun/Shade		
Acer rubrum	Red Maple	50mm		B & B	20m	15m	Y	Single Stem	S	Wet/Dry	Sun/Part Shade		
Acer saccharinum	Silver Maple	50mm		B & B	24m	24m	Y	Single Stem	M/S	Wet/Moist	Full Sun		
Acer saccharum	Sugar Maple	50mm		B & B	20m	15m	Y	Single Stem	S	Moist to average	Full Sun		
Carya ovata	Shagbark Hickory	50mm		B & B	20m (a)	20m (a)	Y	Single Stem	M	Moist to average	Full Sun/Pat Shade		
Ginkgo biloba	Ginkgo	50mm		B & B	15m	8m	N	Single Stem	T	Moist/Dry	Sun/Partical Shade		
Gleditsia triacanthos	Honey Locust	50mm		B & B	18m	16m	Y	Single Stem	T	Moist to average	Full Sun/Pat Shade	Street Tree	
Gymnocladus dioica	Kentucky Coffeetree	50mm		B & B	20m	14m	Y	Single Stem	T	Moist to average	Full Sun	Street Tree	
Juglans nigra	Black Walnut	50mm		B & B	25m	20m	Y	Single Stem	S	Wet/Moist	Full Sun		
Quercus alba	White Oak	50mm		B & B	25m	25m	Y	Single Stem	T	Moist/Dry	Full Sun		
Quercus macrocarpa	Burr Oak	50mm		B & B	20m	20m	Y	Single Stem	T	Moist/Dry	Full Sun	Street Tree	
Quercus rubra	Red Oak	50mm		B & B	24m	24m	Y	Single Stem	T	Moist/Dry	Full Sun	Street Tree	
Aesculus hippocastanum	Horse Chestnut	50mm		B & B	16m	12m	Y	Single Stem	T	Moist/Dry	Full Sun/Pat Shade		
Carya cordiformis	Bitternut Hickory	50mm		B & B	20m	10m	Y	Single Stem	M	Moist/Dry	Partical Shade		
Prunus serotina	Black Cherry	50mm		B & B	20m	10m	Y	Single Stem	S	Moist	Full Sun		
Tilia americana	Basswood	50mm		B & B	15-23m	10-17m	Y	Single Stem	S/M	Moist/Dry	Sun/Partical Shade	Street Tree	
Ulmus americana spp	American Elm cultivar	50mm		B & B	25m	20m	Y	Single Stem	T	Moist/Dry	Sun/Partical Shade	Street Tree	
Medium Trees	**Medium Trees**	**Cont./Cal. Size**	**Height (cm)**	**Root Condition**	**Height**	**Spread**	**Native to Ontario/ Non-native**	**Field Cond.**	**Salt Tolerance**	**Wet/Dry Tolerance**	**Sun/Shade Tolerance**	**Street Trees**	**Remarks**
Acer pensylvanicum	Striped Maple		200cm	B & B	7m	5m	Y	Multi-Stem		Wet-Moist	Part Sun/Shade		
Betula lenta	Sweet Birch		200cm	B & B	12m (a)	10m (a)	Y	Multi-Stem	M	Wet-Moist	Sun		
Betula neoalaskana	Alaska Birch		200cm	B & B	15m		Y	Multi-Stem	S	Wet			**Difficult to locate in nurseries**
Betula nigra	River Birch Multi-Trunk		200cm	B & B	15m	11.5m	Y	Multi-Stem	S	Moist	Sun/Part Shade		
Betula papyrifera	Paper Birch		200cm	B & B	20m	14m	Y	Multi-Stem	S	Dry-Moist	Sun/Part Shade		
Betula populifolia	Gray Birch		200cm	B & B	10m	6m	Y	Multi-Stem	T/M	Dry-Wet	Sun		
Celtis occidentalis	Common Hackberry		200cm	B & B	15m	8m	Y	Single Stem	T/M	Moist-Dry	Part Sun/Shade	Street Tree	
Ostrya virginiana	American Hophornbeam	50mm		B & B	12m	8m	Y	Single Stem	T	Moist	Sun/Shade		
Populus tremuloides	Quaking Aspen		200cm	B & B	12m	8m	Y	Multi-Stem	T/M	Moist-Wet	Sun/Part Shade		
Populus x canadensis	Canada Poplar		200cm	B & B	20m	17m	N	Multi-Stem	T	Moist-Wet	Sun		**50% rating from Quebec Study street survival rate; Difficult to find.**
Carpinus caroliniana	Blue -Beech				8m	7m	Y		-	Moist	Part Sun/Shade		
Aesculus glabra	Ohio Buckeye	50mm		B & B	8m	6m	Y	Single Stem	T	Dry-Moist	Sun-Part Shade		
Fagus grandifolia	American Beech				22m	18m	Y			Dry-Moist	Sun-Part Shade		
Evergreen Trees	**Evergreen Trees**		**Height (cm)**	**Root Condition**	**Height**	**Spread**	**Native to Ontario/ Non-native**	**Field Cond.**	**Salt Tolerance**	**Wet/Dry Tolerance**	**Sun/Shade Tolerance**	**Street Trees**	**Remarks**
Juniperus virginiana	Eastern Redcedar		200cm	B & B	15m (a)	6m (a)	Y	Single Stem	T	Dry-Moist	Sun		
Larix laricina	Tamarack		200cm	B & B	20m	10m	Y	Single Stem	T	Dry-Wet	Sun		
Picea glauca	White Spruce		200cm	B & B	22m	10m	Y	Single Stem	T	Dry-Moist	Sun		Mixed, 5 gal. to 1800mm
Pinus strobus	White Pine		200cm	B & B	20m	7m	Y	Single Stem	S	Dry-Moist	Sun		
Thuja occidentalis	Northern White-Cedar		200cm	B & B	12m	4m	Y	Single Stem	M	Dry-Moist	Sun/Part Shade		
Tsuga canadensis	Eastern Hemlock		200cm	B & B	20m		Y	Single Stem	S	Dry-Wet	Sun/Part Shade		
Small Trees	**Small Trees**	**Cont./Cal. Size**		**Root Condition**	**Mature Height**	**Mature Spread**	**Native to Ontario/ Non-native**	**Field Cond.**	**Salt Tolerance**	**Wet/Dry Tolerance**	**Sun/Shade Tolerance**	**Street Trees**	**Remarks**
Acer spicatum	Mountain Maple	50mm		B & B	6m	4m	Y	Multi-Stem	S	Dry-Moist	Part Sun		
Amelanchier canadensis	Canadian Serviceberry	50mm		B & B	7m	4m	y	Multi-Stem	S	Dry-Wet	Sun-Shade	Street Tree	
Betula papyrifera	Paper Birch	25mm			20m	14m	Y	Multi-Stem	S	Dry-Moist	Sun/Part Shade		Glade
Betula papyrifera	Paper Birch	37.5mm		B & B	20m	14m	Y	Multi-Stem	S	Dry-Moist	Sun/Part Shade		Glade
Cercis canadensis	Eastern Redbud	50mm		B & B	9m (a)	11m (a)	Y	Multi-Stem	S	Moist	Sun/Part Shade		
Cornus alternifolia	Alternate-leaved Dogwood	50mm		B & B	7m (a)	11m (a)	Y	Multi-Stem	M	Moist-Wet	Sun/Shade		
Crataegus crus-galli inermis	Thornless Hawthorn			B & B	7m	7m	Y	Single Stem		Dry-Moist	Sun	Street Tree	
Malus spp.	Crabapple cultivar			B & B	6-10m	5-10m	N	Single Stem		Dry-Moist	Sun	Street Tree	
Prunus americana	American Plum			B & B	7m (a)	7m (a)		Single Stem		Dry	Part Sun/Shade		
Prunus nigra	Canada Plum			B & B	6m	3m	Y						Difficult to find
Sorbus americana	American Mountain Ash			B & B	7m	5m	Y			Moist	Sun		
Viburnum lentago	Nannyberry			B & B	3m	3m	Y	Multi-Stem		Dry-Moist	Sun/Shade		
Shrubs	**Shrubs**	**Cont./Cal. Size**		**Root Condition**			**Native to Ontario/ Non-native**		**Salt Tolerance**		**Sun/Shade Tolerance**	**Street Trees**	**Remarks**
Aronia arbutifolia	Red Chokeberry	20L		900-1200mm HT.					T		Sun/P Shade		
Ceanothus americanus	New Jersey Tea	20L		450-600mm HT.					T		Sun/P Shade		
Cephalanthus occidentalis 'SMCOSS' TM	Sugar Shack Buttonbush	20L		900-1200mm HT.					T		Sun/P Shade		
Comptonia peregrina	Sweet Fern	10L		300mm HT.					T		Sun/P Shade		
Cornus sericea	Red Twig Dogwood	10L		450-600mm HT.					T		Sun/P Shade		
Hamamelis virginiana	Common Witch Hazel	20L		900-1200mm HT.					T		Sun/P Shade		
Ilex verticillata	Winterberry	10L		450-600mm HT.					S		Sun/P Shade		
Itea virginica 'SMNIVDFC' TM	Scentlandia Sweetspire	20L		450-600mm HT.					T		Sun/P Shade		
Lindera benzoin	Spicebush	20L		900-1200mm HT.					T		Sun/P Shade		
Physocarpus opulifolius	Ninebark	20L		900-1200mm HT.					T		Sun/P Shade		
Rhododendron viscosum	Swamp Azalea	20L		450-600mm HT.					T		Sun/P Shade		
Rhus typhina	Staghorn Sumac	10L		450-600mm HT.					T		Sun/P Shade		
Symphoricarpos albus	Common White Snowberry	20L		450-600mm HT.					M		Sun/P Shade		
Taxus canadensis	Canadian Yew	10L		450-600mm HT.							Sun/P Shade		
Vaccinium angustifolium	Lowbush Blueberry	10L		450-600mm HT.					M		Sun/P Shade		
Viburnum acerifolium	Mapleleaf Viburnum	10L		900-1200mm HT.							Sun/P Shade		
Viburnum dentatum 'Arrowwood'	Arrowwood Viburnum	20L		900-1200mm HT.					T		Sun/P Shade		
Viburnum lantanoides	Hobblebush	20L		900-1200mm HT.			Y		S		Sun/P Shade		
Viburnum lentago	Nannyberry	20L		900-1200mm HT.			Y		T		Sun/P Shade		
Viburnum nudum 'Cassinoides'	Wild Raisin	20L		900-1200mm HT.			Y		S		Sun/P Shade		
Aronia melanocarpa	Black Chokeberry						Y						
Ground Covers	**Ground Covers**	**Spacing**											
Andropogon gerardii	Big Bluestem	450mm O.C.											
Aquilegia canadensis	Eastern Columbine	450mm O.C.											
Arctostaphylos uva-ursi	Kinnikinnick	450mm O.C.											
Asarum canadense	Wild Ginger	450mm O.C.											
Aster alpinus	Alpine Aster	450mm O.C.											
Bouteloua curtipendula	Side Oats Grama	450mm O.C.											
Calamagrostis canadensis	Bluejoint Grass	450mm O.C.											
Carex albursina	White Bear Sedge	450mm O.C.											
Carex eburnea	Bristleleaf Sedge	450mm O.C.											
Carex platyphylla	Broadleaf Sedge	450mm O.C.											
Chasmanthium latifolium	Northern Sea Oats	450mm O.C.											
Comptonia peregrina	Sweet Fern	450mm O.C.											
Cornus canadensis	Bunchberry Dogwood	450mm O.C.											
Deschampsia cespitosa	Tufted Hair Grass	450mm O.C.											
Elymus hystrix	Bottlebrush Grass	450mm O.C.											
Elymus riparius	Riverbank Rye	450mm O.C.											
Festuca saximontana	Rocky Mountain Fescue	450mm O.C.											
Fragaria vesca	Woodland Strawberry	450mm O.C.											
Gaultheria procumbens	Wintergreen	450mm O.C.											
Hierochloe odorata	Sweetgrass	450mm O.C.											
Iris sibirica	Siberian Iris	100mm pot											
Juncus effusus pylaei	Soft Rush	450mm O.C.											
Maianthemum canadense	Canada Mayflower	450mm O.C.											
Mitchella repens	Partridge Berry	450mm O.C.											
Panicum virgatum	Switch Grass	450mm O.C.											
Schizachyrium scoparium	Little Bluestem	450mm O.C.											
Solidago canadensis	Goldenrod	450mm O.C.											
Sorghastrum nutans	Indian Grass	450mm O.C.											
Spartina pectinata	Prairie Cordgrass	450mm O.C.											
Sporobolus heterolepis	Prairie Dropseed	450mm O.C.											
Trillium ovatum	Coast Trillium	450mm O.C.											

GREEN ROOF PLANT LIST: PRELIMINARY Botanical Name	Common Name	Cont./ Cal. Size	Height (cm)	Root Condition	Potential Tree Mature Size		Native to Ontario/ Non-native	Field Condition	Salt Tolerance		Remarks
Shade Trees	**Shade Trees**				**Height**	**Spread**	Y- Native, or Native Cultivar; N-Non-native		T-Tolerence M-Medium S-Sensitive		
Acer pensylvanicum	Striped Maple		200cm	B & B			Y	Multi-Stem			
Betula lenta	Sweet Birch		200cm	B & B			Y	Multi-Stem	M		
Betula neoalaskana	Alaska Birch		200cm	B & B			Y	Multi-Stem	S		
Betula nigra	River Birch Multi-Trunk		200cm	B & B			Y	Multi-Stem	S		
Betula papyrifera	Paper Birch		200cm	B & B	16m	11m	Y	Multi-Stem	S		
Betula populifolia	Gray Birch		200cm	B & B			Y	Multi-Stem	T/M		
Celtis occidentalis	Common Hackberry		200cm	B & B			Y	Single Stem	T/M		
Ostrya virginiana	American Hophornbeam	50mm		B & B	12m	8m	Y	Single Stem	T		
Populus tremuloides	Quaking Aspen		200cm	B & B			Y	Multi-Stem	T/M		
Populus x canadensis	Canada Poplar		200cm	B & B				Multi-Stem			
Carpinus caroliniana	Blue -Beech				8m	7m					
Fagus grandifolia	American Beech						Y				
Sorbus americana	American Mountain Ash						Y				
Evergreen Trees	**Evergreen Trees**	**Cont./Cal. Size**	**Height (cm)**	**Root Condition**	**Height**	**Spread**	**Native to Ontario/ Non-native**	**Field Cond.**	**Salt Tolerance**		**Remarks**
Juniperus virginiana	Eastern Redcedar		200cm	B & B	15m	6m	Y	Single Stem	T		
Larix laricina	Tamarack		200cm	B & B	20m	10m	Y	Single Stem	T		
Picea glauca	White Spruce		200cm	B & B			Y	Single Stem	T		Mixed, 5 gal. to 1800mm
Pinus strobus	White Pine		200cm	B & B	20m	7m	Y	Single Stem	S		
Thuja occidentalis	Northern White-Cedar		200cm	B & B	12m	4m	Y	Single Stem	M		
Tsuga canadensis	Eastern Hemlock		200cm	B & B			Y	Single Stem	S		
Abies concolor	White Fir		200cm	B & B				Single Stem	T		
Picea pungens	Blue Spruce		200cm	B & B				Single Stem	T		
Green Roof Shrubs	**Green Roof Shrubs**	**Cont./Cal. Size**		**Root Condition**			**Native to Ontario/ Non-native**		**Salt Tolerance**	**Sun/Shade**	**Remarks**
Aronia arbutifolia	Red Chokeberry	20L		900-1200mm HT.					T	Sun/P Shade	
Ceanothus americanus	New Jersey Tea	20L		450-600mm HT.					T	Sun/P Shade	
Cephalanthus occidentalis 'SMCOSS' TM	Sugar Shack Buttonbush	20L		900-1200mm HT.					T	Sun/P Shade	
Comptonia peregrina	Sweet Fern	10L		300mm HT.					T	Sun/P Shade	
Cornus sericea	Red Twig Dogwood	10L		450-600mm HT.					T	Sun/P Shade	
Hamamelis virginiana	Common Witch Hazel	20L		900-1200mm HT.					T	Sun/P Shade	
Ilex verticillata	Winterberry	10L		450-600mm HT.					S	Sun/P Shade	
Itea virginica 'SMNIVDFC' TM	Scentlandia Sweetspire	20L		450-600mm HT.					T	Sun/P Shade	
Lindera benzoin	Spicebush	20L		900-1200mm HT.					T	Sun/P Shade	
Physocarpus opulifolius	Ninebark	20L		900-1200mm HT.					T	Sun/P Shade	
Rhododendron viscosum	Swamp Azalea	20L		450-600mm HT.					T	Sun/P Shade	
Rhus typhina	Staghorn Sumac	10L		450-600mm HT.					T	Sun/P Shade	
Symphoricarpos albus	Common White Snowberry	20L		450-600mm HT.					M	Sun/P Shade	
Taxus canadensis	Canadian Yew	10L		450-600mm HT.						Sun/P Shade	
Vaccinium angustifolium	Lowbush Blueberry	10L		450-600mm HT.					M	Sun/P Shade	
Viburnum acerifolium	Mapleleaf Viburnum	10L		900-1200mm HT.						Sun/P Shade	
Viburnum dentatum 'Arrowwood'	Arrowwood Viburnum	20L		900-1200mm HT.					T	Sun/P Shade	
Viburnum lantanoides	Hobblebush	20L		900-1200mm HT.			Y		S	Sun/P Shade	
Viburnum lentago	Nannyberry	20L		900-1200mm HT.			Y		T	Sun/P Shade	
Viburnum nudum 'Cassinoides'	Wild Raisin	20L		900-1200mm HT.			Y		S	Sun/P Shade	
Aronia melanocarpa	Black Chokeberry						Y				
Green Roof Ground Covers	**Green Roof Ground Covers**	**Spacing**									
Carex sprengellii	Long Beaked Sedge	450mm O.C.									
Sporobolus vaginiflorus	Poverty Grass	450mm O.C.									
Eleocharis compressa	Flatstem Spikerush	450mm O.C.									
Panicum philadelphicum	Philadelphia Panic Grass	450mm O.C.									
Schizachyrium scoparium	Little Bluestem	450mm O.C.									
Sporobolus heterolepis	Prairie Dropseed	450mm O.C.									
Sporobolus neglectus	Small Dropseed	450mm O.C.									
Antennaria neglecta	Prairie Pussytoes	450mm O.C.									
Geranium bicknellii	Bicknell's Cranesbill	450mm O.C.									
Geum triflorum	Prairie Smoke	450mm O.C.									
Micranthes virginiensis	Early Saxifrage	450mm O.C.									
Penstemon hirsutus	Hairy Beardtongue	450mm O.C.									
Ranunculus fascicularis	Early Buttercup	450mm O.C.									
Aquilegia canadensis	Eastern Red Columbine	450mm O.C.									
Clinopodium arkansanum	Limestone Calamint	450mm O.C.									
Dalea purpurea	Purple Prairie Clover	450mm O.C.									
Fragaria vesca	Wild Strawberry	450mm O.C.									
Ratibida pinnata	Grey headed Coneflower	450mm O.C.									
Hieracium pilloselloides	Tall Hawkweed	450mm O.C.									
Houstonia canadensis	Canada Summer Bluet	450mm O.C.									
Houstonia longifolia	Long-leaved Bluet	100mm pot									
Solidago nemoralis	Grey Goldenrod	450mm O.C.									
Solidago ptarmicoides	Upland White Goldenrod	450mm O.C.									
Hedeoma	False Pennyroyal	450mm O.C.									
Antennaria neglecta	Prairie Pussytoes	450mm O.C.									
Penstemon hirsutus	Hairy Beardtongue	450mm O.C.									
Micranthes virginiensis	Early Saxifrage	450mm O.C.									
Ranunculus fascicularis	Early Buttercup	450mm O.C.									
Fragaria vesca	Wild Strawberry	450mm O.C.									
Aquilegia canadensis	Eastern Red Columbine	450mm O.C.									
Clinopodium arkansanum	Limestone Calamint	450mm O.C.									
Ratibida pinnata	Grey headed Coneflower	450mm O.C.									
Dalea purpurea	Purple Prairie Clover	450mm O.C.									
Geranium bicknellii	Bicknell's Cranesbill	450mm O.C.									
Phlox pilosa	Prairie	450mm O.C.									
Geum triflorum	Prairie Smoke	450mm O.C.									
Ranunculus fascicularis	Early Buttercup	450mm O.C.									
Hieracium pilloselloides	Tall Hawkweed	450mm O.C.									
Houstonia canadensis	Canada Summer Bluet	450mm O.C.									
Houstonia longifolia	Long-leaved Bluet	450mm O.C.									
Solidago nemoralis	Grey Goldenrod	450mm O.C.									
Solidago ptarmicoides	Upland White Goldenrod	450mm O.C.									
Hedeoma	False Pennyroyal	450mm O.C.									

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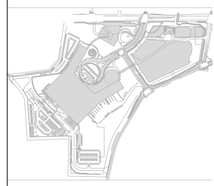


THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Faha
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-30	ISSUED FOR PRE-CONSULTATION
	2022-11-30	ISSUED FOR SPC & FLIDA - 1ST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RFP VERSION 1.0

Project Number	10333982
Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

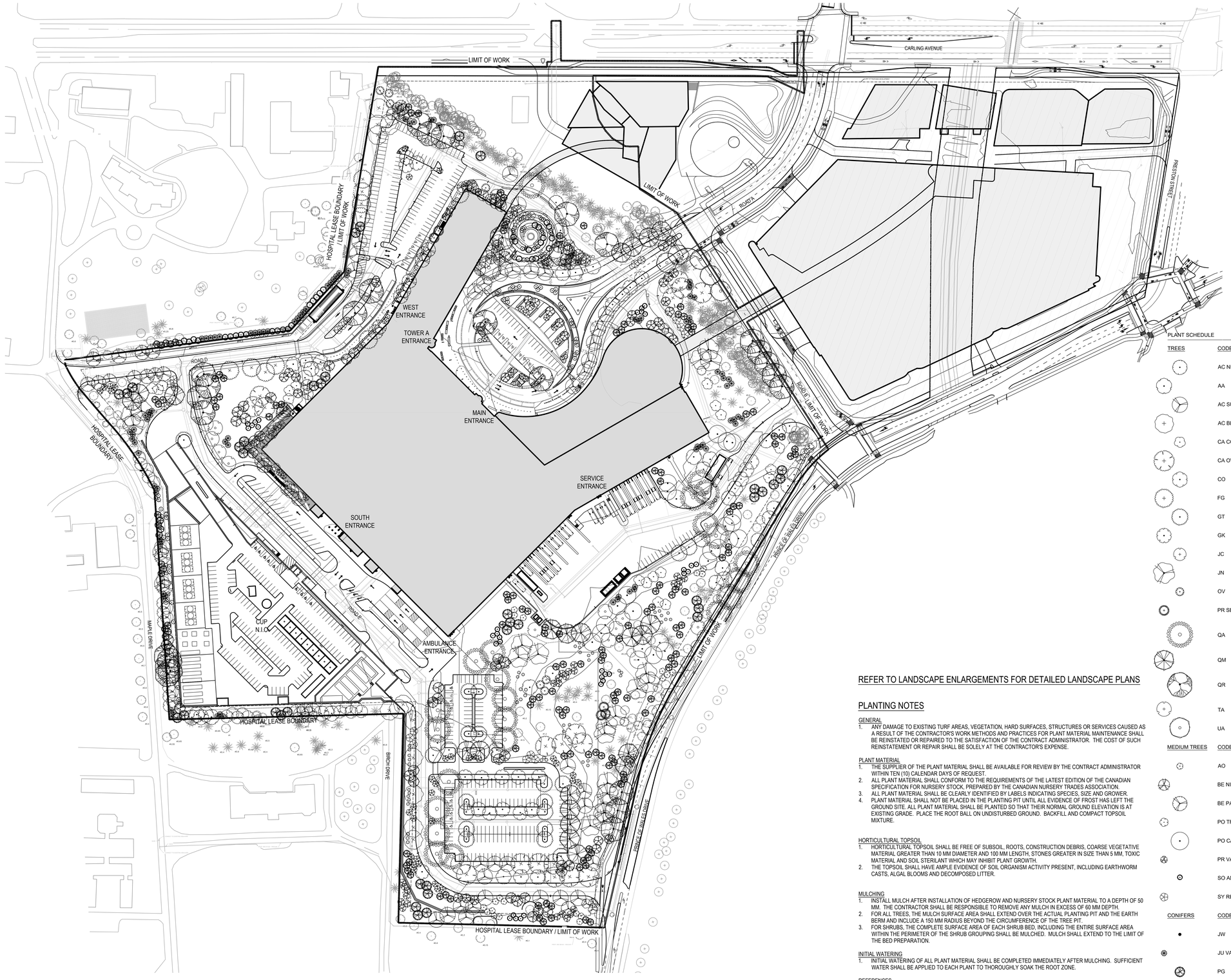
PLANT LIST

Sheet Number

L-2.2.2.703

Project Status

STAGE 3



PLANT SCHEDULE

TREES	CODE	QTY	BOTANICAL / COMMON NAME
	AC NI	10	Acer nigrum / Black Maple
	AA	20	Acer rubrum 'Armstrong' / Armstrong Red Maple
	AC SU	45	Acer saccharum / Sugar Maple
	AC BL	12	Acer saccharum nigrum / Black Sugar Maple
	CA CO	18	Carya cordiformis / Bitternut Hickory
	CA OV	20	Carya ovata / Shagbark Hickory
	CO	15	Celtis occidentalis / Common Hackberry
	FG	10	Fagus grandifolia / American Beech
	GT	23	Gleditsia triacanthos inermis `Shademaster` / Shademaster Honey Locust
	GK	21	Gymnocladus dioica / Kentucky Coffeetree
	JC	26	Juglans cinerea / Butternut
	JN	21	Juglans nigra / Black Walnut
	OV	7	Ostrya virginiana / American Hophornbeam
	PR SE	5	Prunus serotina / Black Cherry
	QA	24	Quercus alba / White Oak
	QM	22	Quercus macrocarpa / Burr Oak
	QR	29	Quercus rubra / Red Oak
	TA	15	Tilia americana / Basswood
	UA	5	Ulmus americana / White Elm
MEDIUM TREES	CODE	QTY	BOTANICAL / COMMON NAME
	AO	21	Aesculus glabra / Ohio Buckeye
	BE NI	47	Betula nigra / River Birch Multi-Trunk
	BE PA	28	Betula papyrifera / Paper Birch
	PO TR	9	Populus tremuloides / Quaking Aspen
	PO CA	25	Populus x canadensis / Canada Poplar 'Eugenei'
	PR VA	28	Prunus virgiana 'Schubert' / Schubert Chokecherry
	SO AM	33	Sorbus americana / American Mountain Ash
	SY RE	24	Syringa reticulata 'Ivory Silk' / Ivory Silk Japanese Tree Lilac
CONIFERS	CODE	QTY	BOTANICAL / COMMON NAME
	JW	9	Juniperus scopulorum 'Wichita Blue' / Wichita Blue Juniper
	JU VA	93	Juniperus virginiana / Eastern Redcedar
	PG	37	Picea glauca / White Spruce
	PI IF	34	Picea pungens 'Iseli Fastigiate' / Clumnar Blue Spruce
	PS	145	Pinus strobus / White Pine
SMALL TREES	CODE	QTY	BOTANICAL / COMMON NAME
	AG	122	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Apple Serviceberry
	CE	37	Cercis canadensis / Eastern Redbud Multi-trunk
	MA RA	11	Malus x 'Radiant' / Radiant Crabapple
	MR	48	Malus x 'Rudolph' / Rudolph Flowering Crabapple
	MS	30	Malus x 'Spring Snow' / Spring Snow Crabapple

REFER TO LANDSCAPE ENLARGEMENTS FOR DETAILED LANDSCAPE PLANS

PLANTING NOTES

GENERAL
1. ANY DAMAGE TO EXISTING TURF AREAS, VEGETATION, HARD SURFACES, STRUCTURES OR SERVICES CAUSED AS A RESULT OF THE CONTRACTOR'S WORK METHODS AND PRACTICES FOR PLANT MATERIAL MAINTENANCE SHALL BE REINSTATED OR REPAIRED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR. THE COST OF SUCH REINSTATEMENT OR REPAIR SHALL BE SOLELY AT THE CONTRACTOR'S EXPENSE.

PLANT MATERIAL
1. THE SUPPLIER OF THE PLANT MATERIAL SHALL BE AVAILABLE FOR REVIEW BY THE CONTRACT ADMINISTRATOR WITHIN TEN (10) CALENDAR DAYS OF REQUEST.
2. ALL PLANT MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE CANADIAN SPECIFICATION FOR NURSERY STOCK, PREPARED BY THE CANADIAN NURSERY TRADES ASSOCIATION.
3. ALL PLANT MATERIAL SHALL BE CLEARLY IDENTIFIED BY LABELS INDICATING SPECIES, SIZE AND GROWER.
4. PLANT MATERIAL SHALL NOT BE PLACED IN THE PLANTING PIT UNTIL ALL EVIDENCE OF FROST HAS LEFT THE GROUND SITE. ALL PLANT MATERIAL SHALL BE PLANTED SO THAT THEIR NORMAL GROUND ELEVATION IS AT EXISTING GRADE. PLACE THE ROOT BALL ON UNDISTURBED GROUND. BACKFILL AND COMPACT TOPSOIL MIXTURE.

HORTICULTURAL TOPSOIL
1. HORTICULTURAL TOPSOIL SHALL BE FREE OF SUBSOIL, ROOTS, CONSTRUCTION DEBRIS, COARSE VEGETATIVE MATERIAL GREATER THAN 10 MM DIAMETER AND 100 MM LENGTH, STONES GREATER IN SIZE THAN 5 MM, TOXIC MATERIAL AND SOIL STERILANT WHICH MAY INHIBIT PLANT GROWTH.
2. THE TOPSOIL SHALL HAVE AMPLE EVIDENCE OF SOIL ORGANISM ACTIVITY PRESENT, INCLUDING EARTHWORM CASTS, ALGAL BLOOMS AND DECOMPOSED LITTER.

MULCHING
1. INSTALL MULCH AFTER INSTALLATION OF HEDGEROW AND NURSERY STOCK PLANT MATERIAL TO A DEPTH OF 50 MM. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY MULCH IN EXCESS OF 60 MM DEPTH.
2. FOR ALL TREES, THE MULCH SURFACE AREA SHALL EXTEND OVER THE ACTUAL PLANTING PIT AND THE EARTH BERM AND INCLUDE A 150 MM RADIUS BEYOND THE CIRCUMFERENCE OF THE TREE PIT.
3. FOR SHRUBS, THE COMPLETE SURFACE AREA OF EACH SHRUB BED, INCLUDING THE ENTIRE SURFACE AREA WITHIN THE PERIMETER OF THE SHRUB GROUPING SHALL BE MULCHED. MULCH SHALL EXTEND TO THE LIMIT OF THE BED PREPARATION.

INITIAL WATERING
1. INITIAL WATERING OF ALL PLANT MATERIAL SHALL BE COMPLETED IMMEDIATELY AFTER MULCHING. SUFFICIENT WATER SHALL BE APPLIED TO EACH PLANT TO THOROUGHLY SOAK THE ROOT ZONE.

REFERENCES
PUBLICATIONS:
AGRICULTURE CANADA PUBLICATION 1507-1977; THE PRUNING MANUAL.
CANADIAN NURSERY TRADES ASSOCIATION;
CANADIAN STANDARDS FOR NURSERY STOCK, LATEST EDITION.
ONTARIO PROVINCIAL STANDARD SPECIFICATION, CONSTRUCTION;
OPSS 801, THE PROTECTION OF TREES.

TREE PROTECTION MEASURES
THE FOLLOWING PROTECTION MEASURES MUST BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF CONSTRUCTION ON SITE:
- UNDER THE GUIDANCE OF AN ARBORIST, ERECT A FENCE AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS
- ESTABLISHED AS BEING 10 CENTIMETRES FROM THE TRUNK OF A TREE FOR EVERY CENTIMETER OF TRUNK DIAMETER AT BREAST HEIGHT. THE CRZ IS CALCULATED AS DBH x 10CM.
- DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRZ OF THE TREE.
- DO NOT ATTACH ANY SIGNS, NOTICES OR POSTERS TO ANY TREE.
- DO NOT RAISE OR LOWER THE EXISTING GRADE WITHIN THE CRZ WITHOUT APPROVAL.
- TUNNEL OR BORE WHEN DIGGING WITHIN THE CRZ OF A TREE.
- DO NOT DAMAGE THE ROOT SYSTEM, TRUNK, OR BRANCHES OF ANY TREE.

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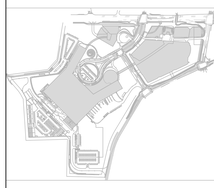

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
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	2022-11-30	ISSUED FOR SPC & FUDA - 1ST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

Sheet Name

OVERALL PLANTING PLAN

Sheet Number

L-2.2.2.801

Project Status
STAGE 3

SEE SHEET L-2.2.2.703 FOR PLANT ID ABBREVIATIONS

UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- TURF GRASS
- SHRUB BED W/ 3 IN. THICK MULCH LAYER
- RETENTION BASIN NATIVE SEED MIX

HOSPITAL LEASE BOUNDARY / LIMIT OF WORK

7.5M LANDSCAPE SETBACK

SUGGESTED OFFSITE GRADING AND PLANTING RESTORATION; TO BE DISCUSSED WITH THE AAFC

HOSPITAL LEASE BOUNDARY / LIMIT OF WORK

ROAD D

LIMIT OF WORK

7.5M LANDSCAPE SETBACK

HOSPITAL LEASE BOUNDARY

LEVEL E - WEST ENTRANCE

LEVEL 1 - TOWER A ENTRANCE

LEVEL 1 - MAIN ENTRANCE

PLAN NORTH

TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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Project Number	103339982
Original Issue	04/21/22

Sheet Name

PLANTING PLAN ENLARGEMENT

Sheet Number

L-2.2.2.802

Project Status

STAGE 3

SEE SHEET L-2.2.2.703 FOR PLANT ID ABBREVIATIONS

UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- TURF GRASS
- SHRUB BED W/ 3 IN. THICK MULCH LAYER
- RETENTION BASIN NATIVE SEED MIX

LIMIT OF WORK, TYP.

ROAD A

ROAD B

LIMIT OF WORK, TYP.

LEVEL 1 - TOWER A ENTRANCE

LEVEL 1 - MAIN ENTRANCE

LEVEL 1 - TOWER B ENTRANCE

LEVEL 1 - PAVILION ENTRANCE

PLAN NORTH

TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

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Project Number	10333982
Original Issue	04/21/22

Sheet Name

PLANTING PLAN ENLARGEMENT

Sheet Number

L-2.2.2.803

Project Status

STAGE 3



SEE SHEET L-2.2.2.703 FOR PLANT ID ABBREVIATIONS

UNDERSTORY LEGEND

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- SUNKEN GARDEN
- TURF GRASS
- SHRUB BED W/ 3 IN. THICK MULCH LAYER
- RETENTION BASIN NATIVE SEED MIX

PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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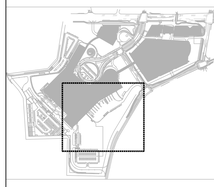

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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Project Number	103339982
Original Issue	04/21/22

Sheet Name

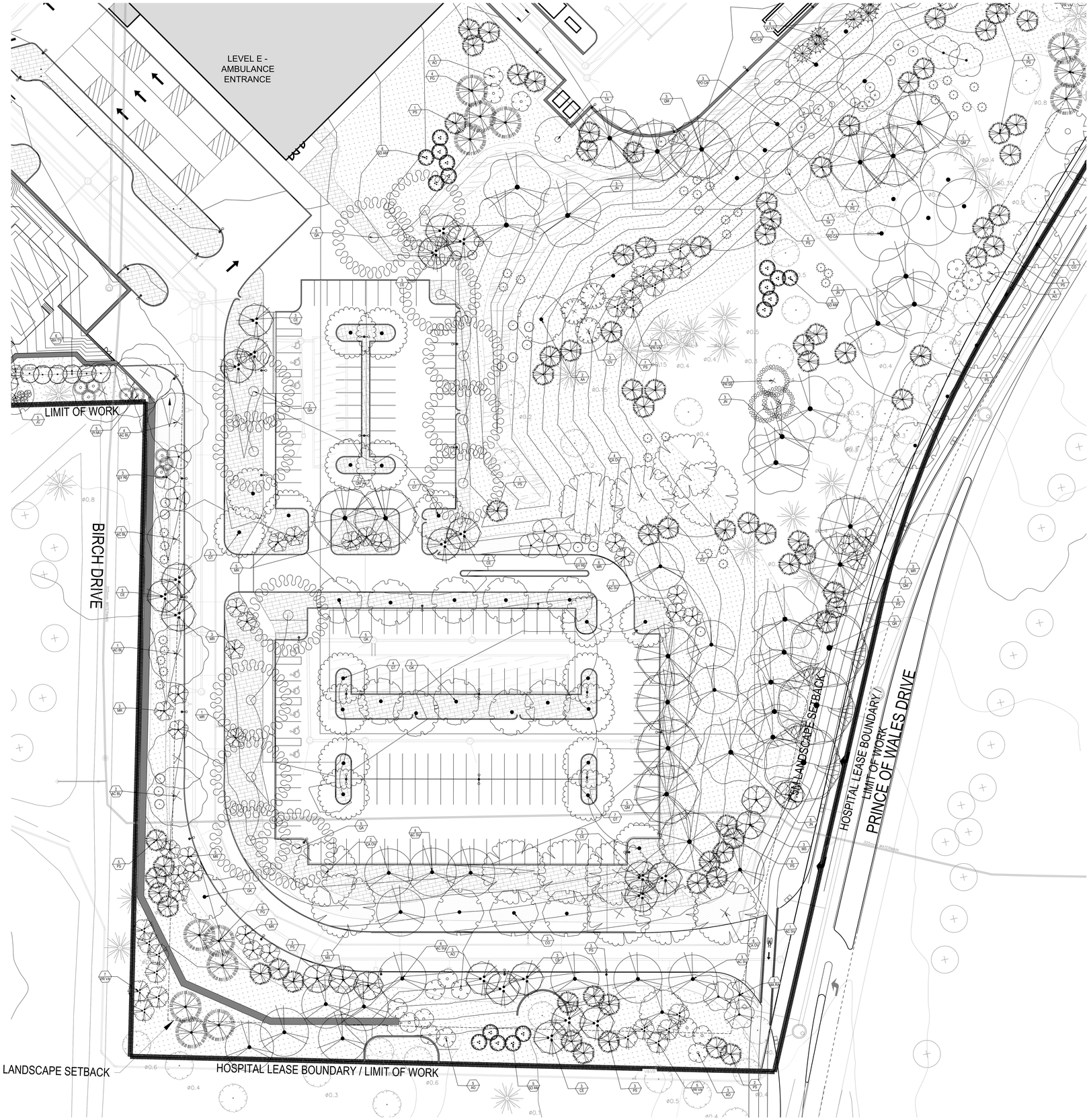
PLANTING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.804

Project Status

STAGE 3



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PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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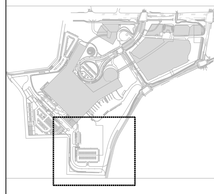

THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

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Original Issue	04/21/22

PRELIMINARY NOT FOR CONSTRUCTION

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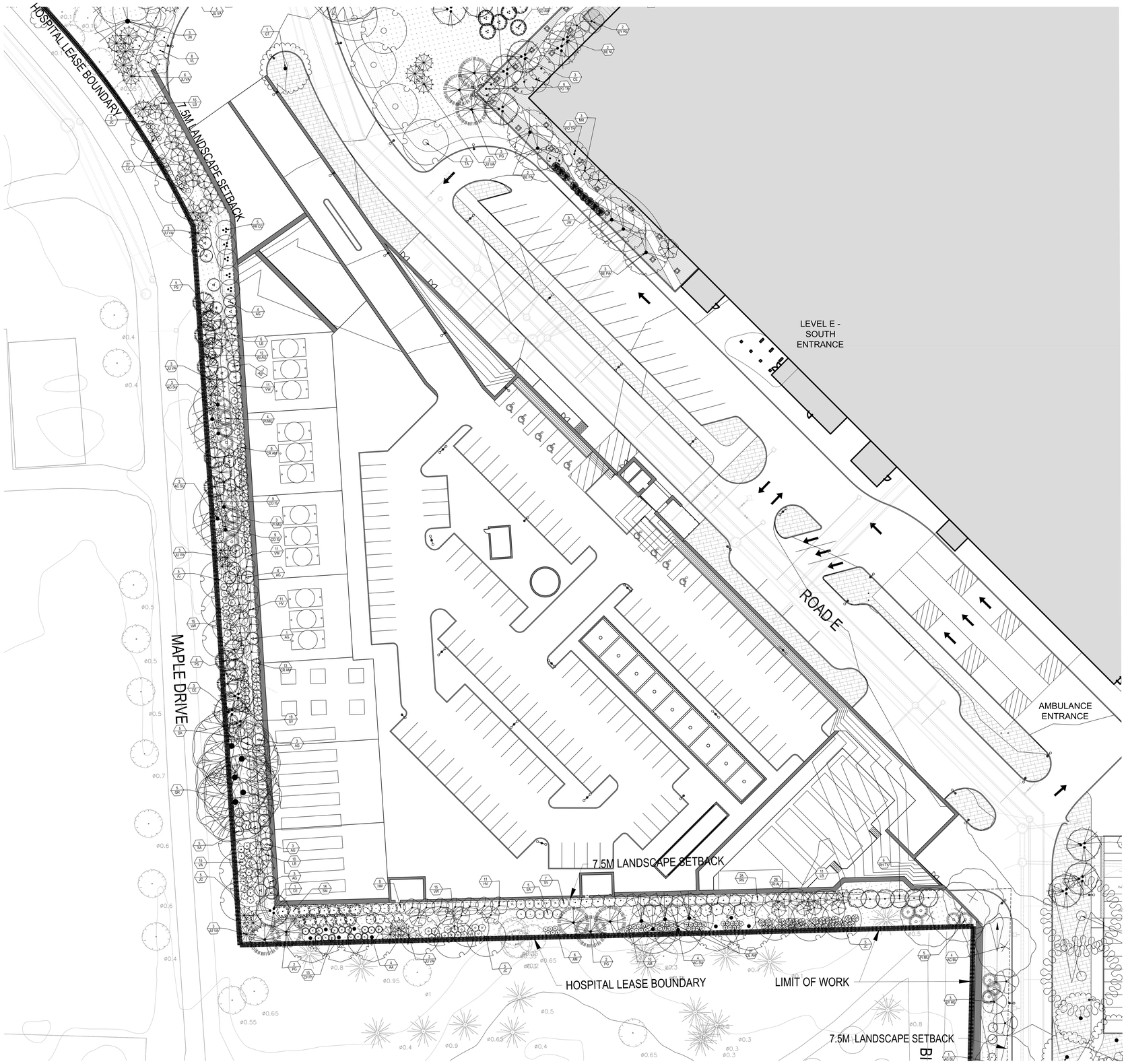
PLANTING PLAN ENLARGEMENT

Sheet Number

L-2.2.2.805

Project Status

STAGE 3



SEE SHEET L-2.2.2.703 FOR PLANT ID ABBREVIATIONS

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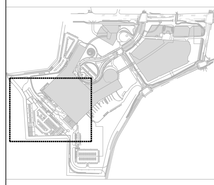

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

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Original Issue	04/21/22

Sheet Name

PLANTING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.806

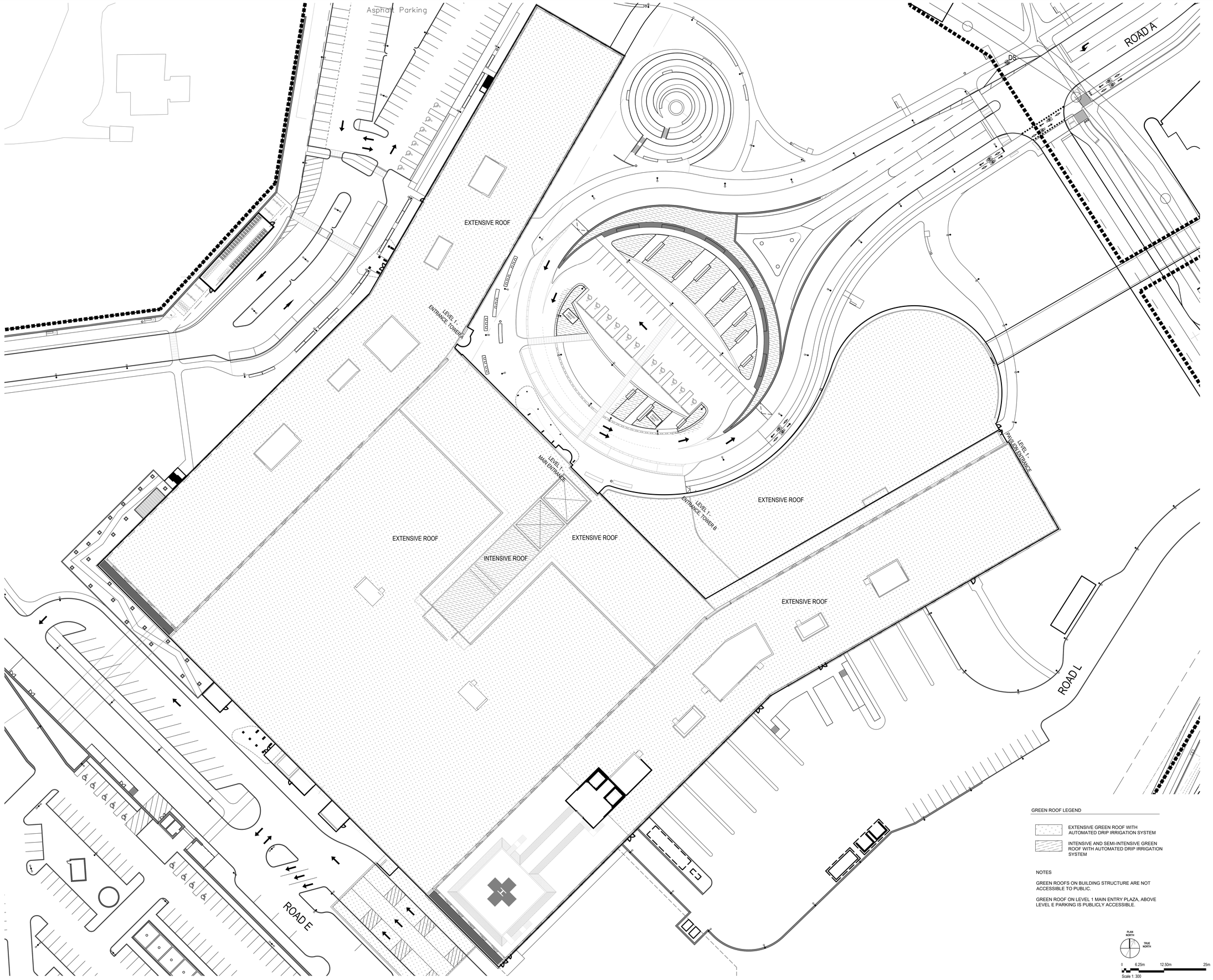
Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250



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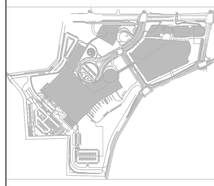

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

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Project Number	10333982
Original Issue	04/21/22

Sheet Name

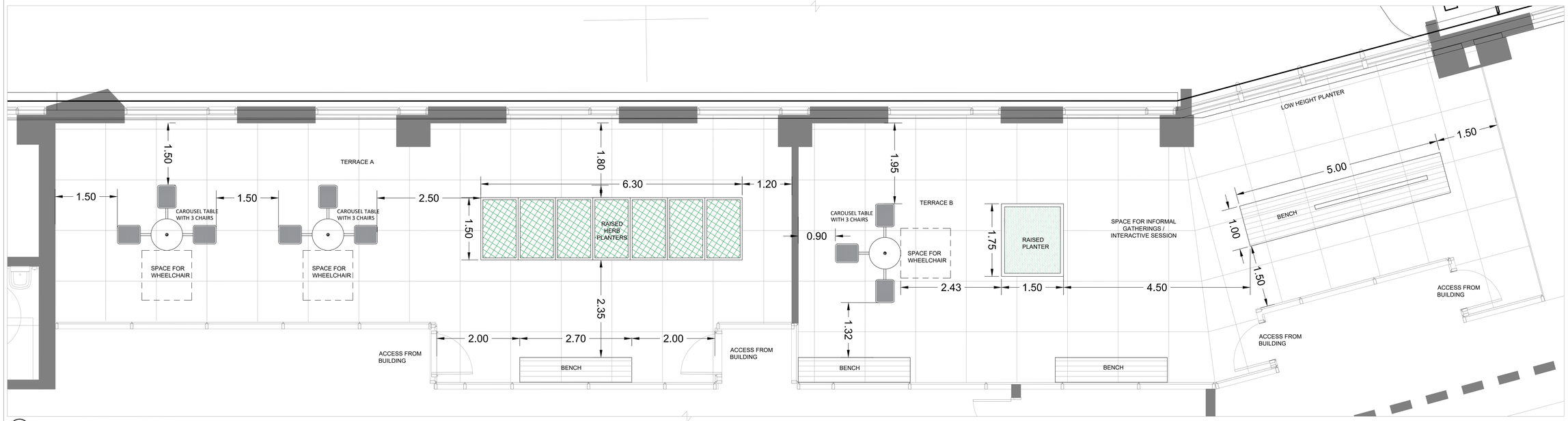
GREEN ROOF OVERALL PLANTING PLAN

Sheet Number

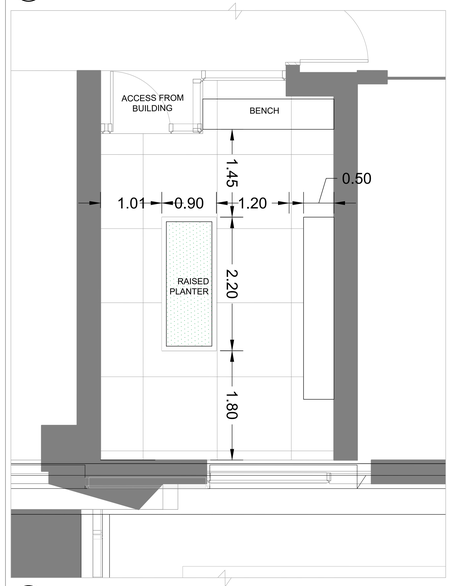
L-2.2.2.851

Project Status

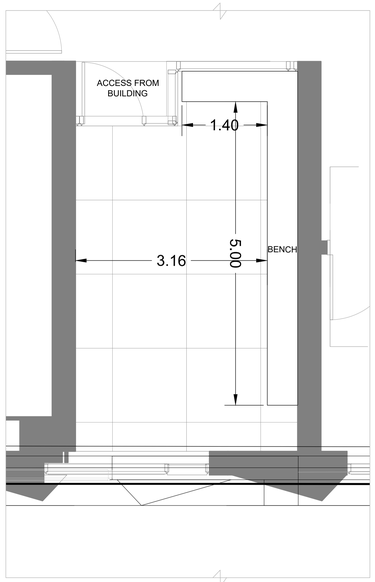
STAGE 3



1 LEVEL 5 MENTAL HEALTH TERRACE A AND B
SCALE 1:30



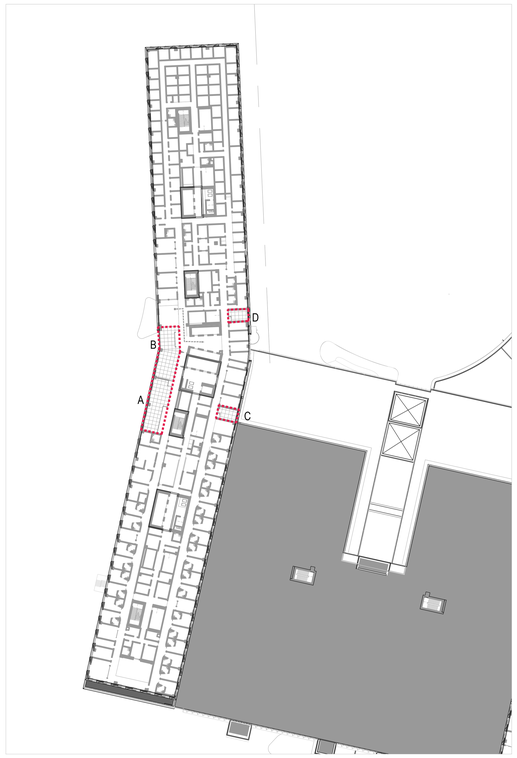
2 LEVEL 5 PSYCHIATRIC INTENSIVE CARE UNIT TERRACE 'C'
SCALE 1:30



3 LEVEL 5 MENTAL HEALTH TERRACE 'D'
SCALE 1:30



PRECEDENT : VALLEY VIEW MEDICAL CENTER



4 LOCATION REFERENCE PLAN
N.T.S



CAROUSEL TABLE WITH CHAIRS





PLANTERS WITH WHEELCHAIR ACCESS

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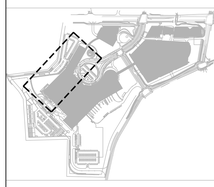
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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Project Number	103335982
Original Issue	04/21/22

Sheet Name

GREEN ROOF
LEVEL 5

Sheet Number

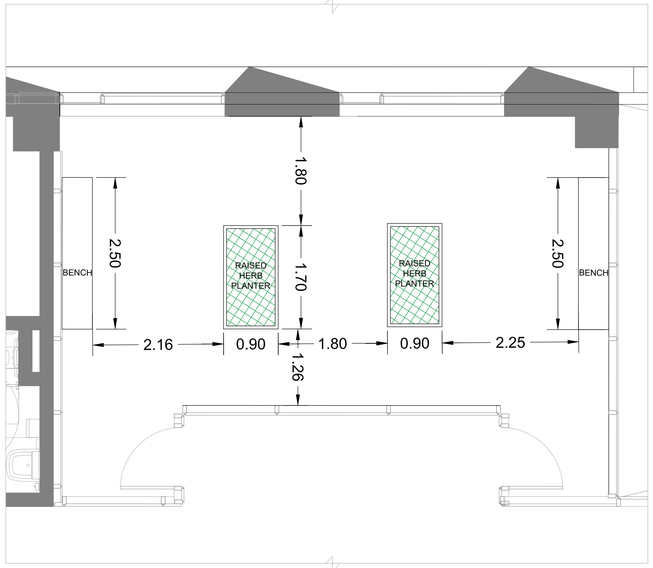
L-2.2.2.852

Project Status

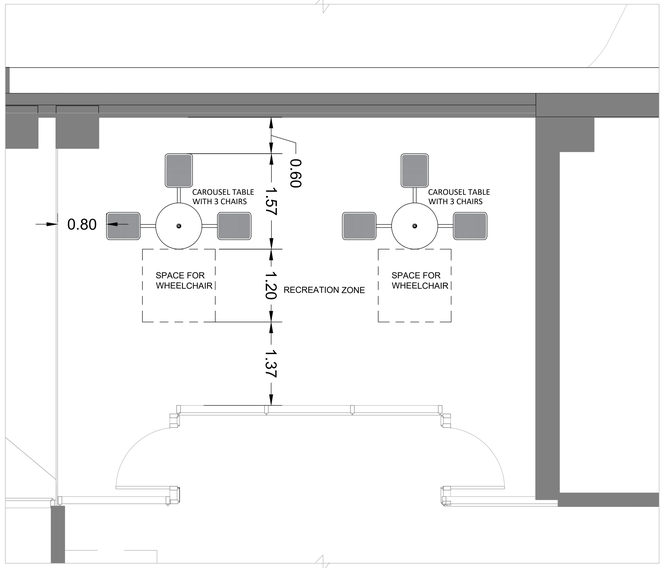
STAGE 3

PLAN NORTH
TRUE NORTH

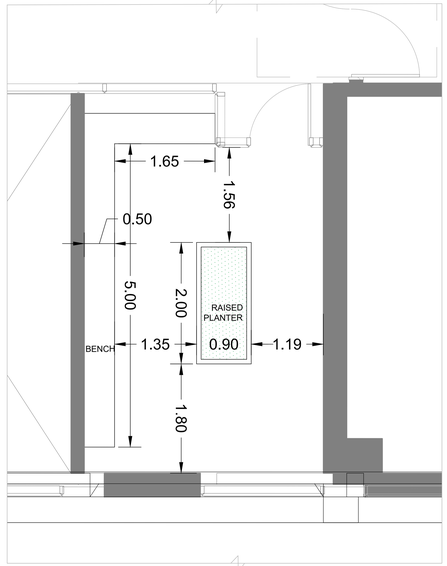
0 1.875m 3.75m
Scale 1: 30



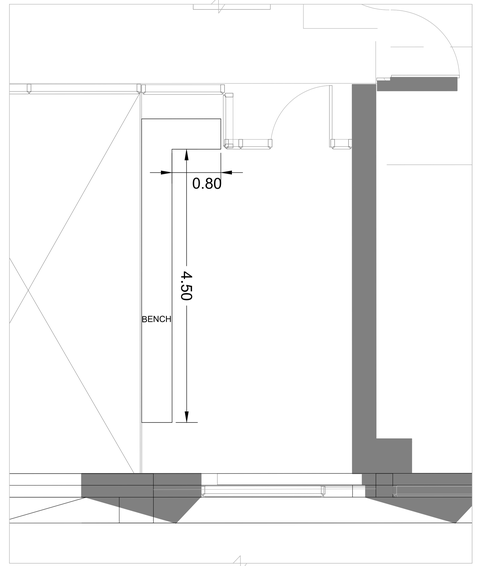
1 LEVEL 6 MENTAL HEALTH TERRACE 'A'
SCALE 1:30



2 LEVEL 6 MENTAL HEALTH TERRACE 'B'
SCALE 1:30



3 LEVEL 6 PSYCHIATRIC MENTAL HEALTH TERRACE 'C'
SCALE 1:30



4 LEVEL 6 PSYCHIATRIC MENTAL HEALTH TERRACE 'D'
SCALE 1:30





CAROUSEL TABLE WITH CHAIRS



5 LOCATION REFERENCE PLAN
N.T.S

PLAN NORTH
TRUE NORTH

0 1.875m 3.75m
Scale 1: 30

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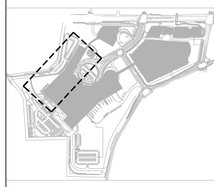

THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

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Project Number	103339982
Original Issue	04/21/22

Sheet Name

GREEN ROOF LEVEL 6

Sheet Number

L-2.2.2.853

Project Status

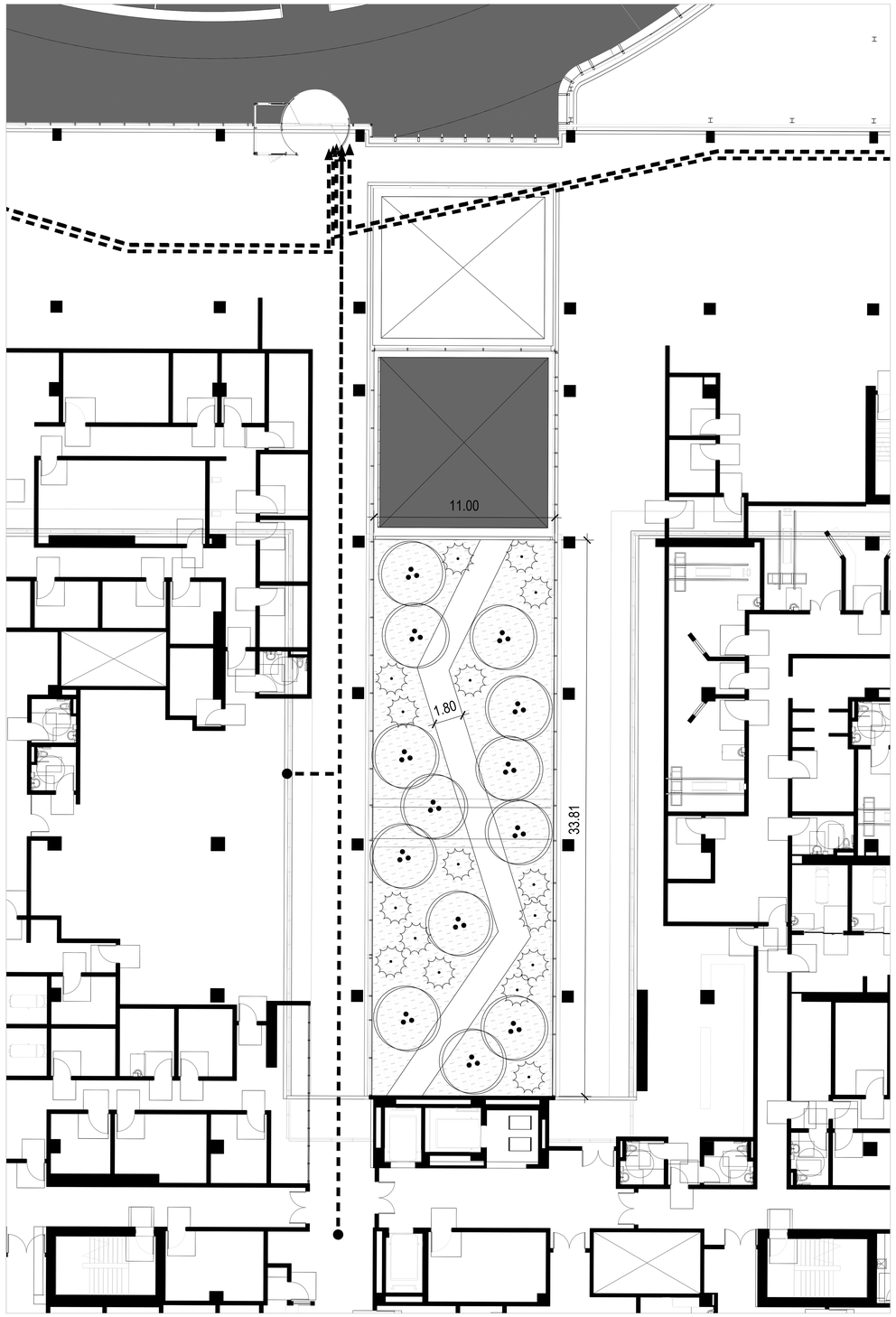
STAGE 3



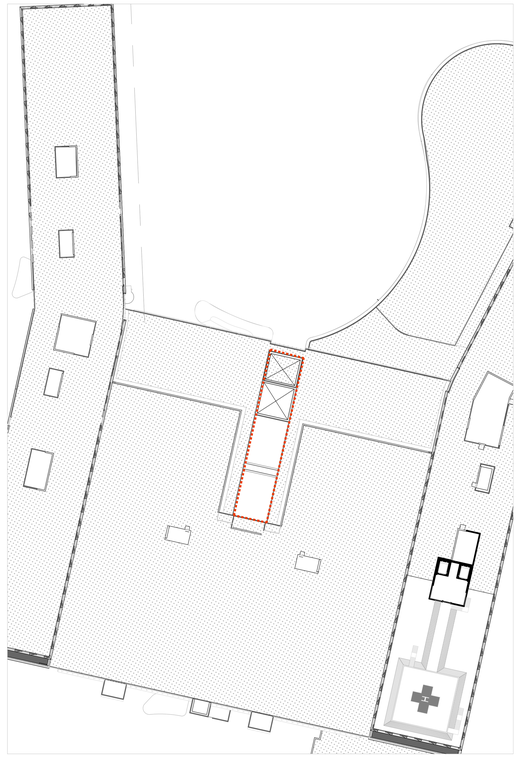




LIGHT WELL GREEN ROOF LANDSCAPING



1 LIGHT WELL GREEN ROOF
SCALE 1:100



2 LOCATION REFERENCE PLAN
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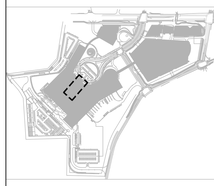
Ottawa, Ontario K1Z 6X6



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

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Project Number	10333982
Original Issue	04/21/22

Sheet Name

INTERIOR COURT
YARD PLAN

Sheet Number

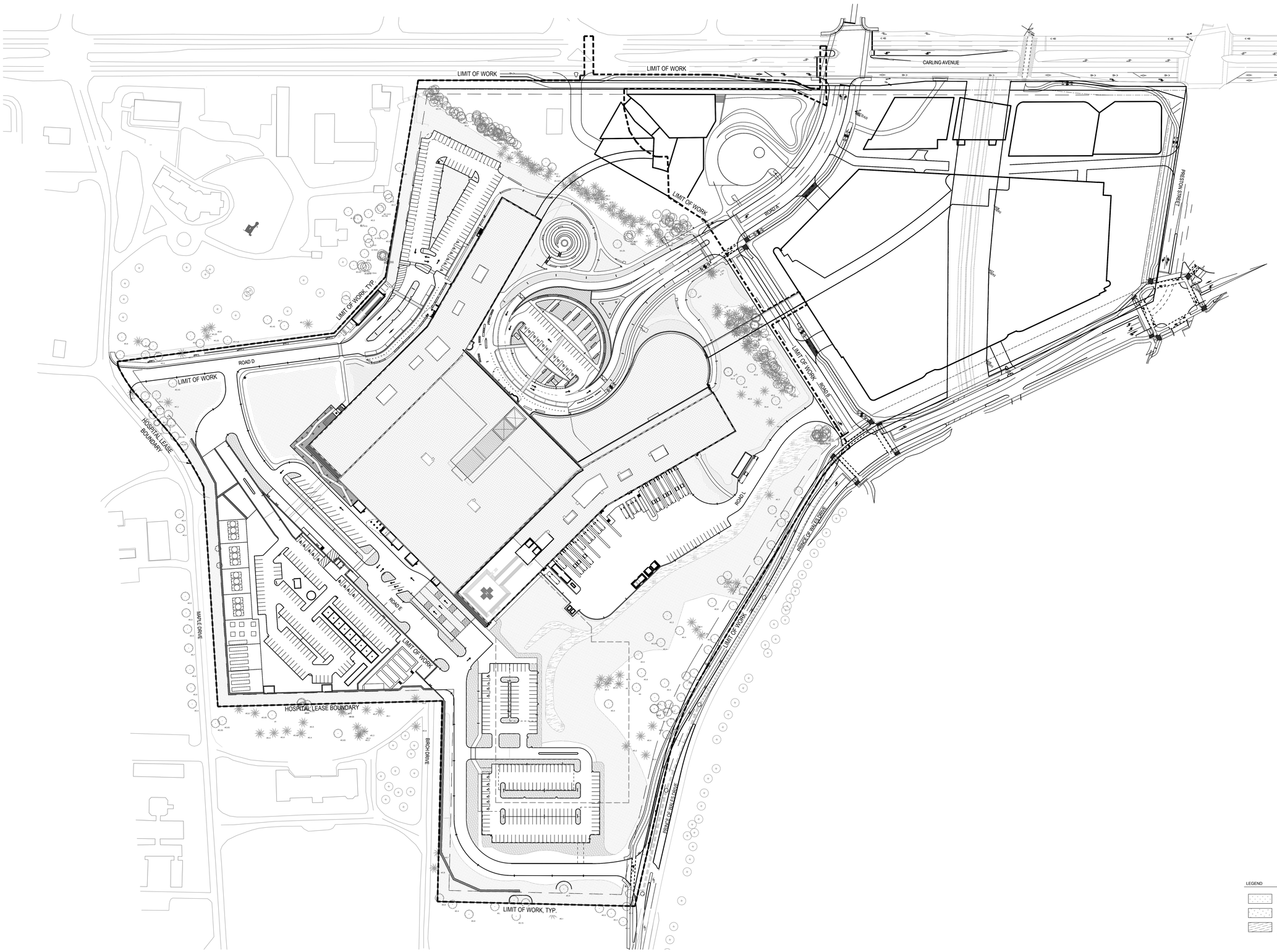
L-2.2.2.854

Project Status

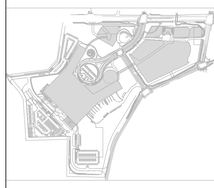
STAGE 3

PLAN NORTH
TRUE NORTH

0 1.875m 3.75m
Scale 1: 38



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



THE OTTAWA HOSPITAL
- CIVIC CAMPUS
REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY
NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Fahs
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-30	ISSUED FOR PRE-CONSULTATION
	2022-11-30	ISSUED FOR SPC & FLUDA - 1ST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RFP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10333982
Original Issue	04/21/22

LEGEND

- AREA TO BE IRRIGATED - GROUND PLANE
- EXTENSIVE GREEN ROOF WITH AUTOMATED DRIP IRRIGATION SYSTEM
- INTENSIVE AND SEMI-INTENSIVE GREEN ROOF WITH AUTOMATED DRIP IRRIGATION SYSTEM

PLAN NORTH
TRUE NORTH

0 18.75m 37.5m 75m
Scale 1: 750

Sheet Name

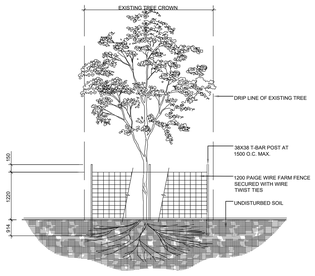
OVERALL IRRIGATION PLAN

Sheet Number

L-2.2.2.901

Project Status

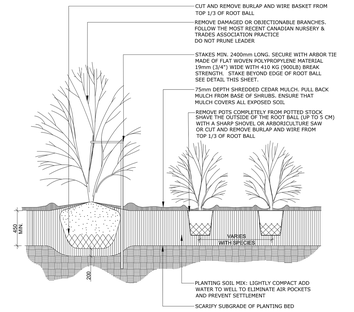
STAGE 3



NOTES:

1. THE AREA WITHIN THE DRIPLINE OF ALL EXISTING TREES SHALL BE PROPERLY PROTECTED WITH TEMPORARY FENCING AS PER THE APPROVED LANDSCAPE PLAN.
2. THE SURVEY SHALL SHOW EXISTING ELEVATION AT BASE OF ALL TREES TO BE PRESERVED AS SHOWN BY "+".
3. THE AREA WITHIN THE PROTECTED FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. REMOVE ALL DEBRIS.
4. PRUNE BRANCHES TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES. DO NOT PRUNE LEADERS.
5. TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT.
6. IF CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES IS CALLED FOR, FOLLOW APPROPRIATE DETAILS AS DIRECTED BY LANDSCAPE ARCHITECT.
7. IF TREES ARE BEING AFFECTED BY CONSTRUCTION, A WATER AND FERTILIZING PROGRAM WILL BE REQUIRED TO THE SATISFACTION OF THE CITY.

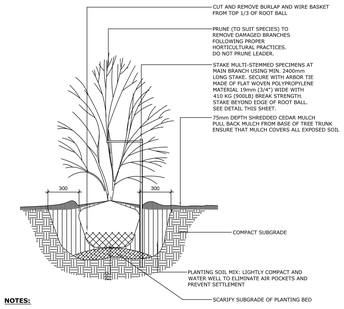
9 TREE PROTECTION FENCE
NTS



NOTES:

1. PLANTING SOIL MIXTURE AS PER SPECIFICATION.
2. SHRUBS SPECIFIED BARE ROOTS (S.R.), TO BE PLANTED SO THAT ROOTS ARE FULLY EXTENDED IN PLANTING HOLE WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE
3. PROVIDE 150 HIGH EARTH SAUCER AROUND SHRUB BED
4. STAKES TO BE REMOVED AT COMPLETION OF TWO YEAR WARRANTY PERIOD

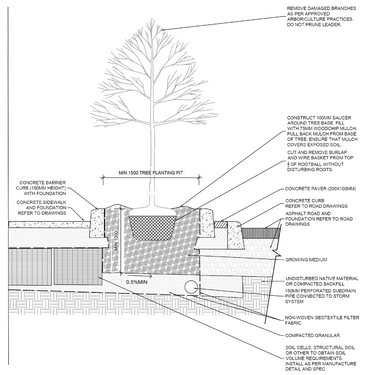
6 CONTINUOUS SHRUB BED PLANTING
NTS



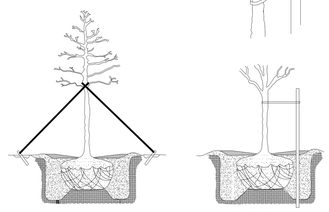
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. PLANTING SOIL MIXTURE AS PER SPECIFICATION
3. STAKES TO BE REMOVED AT COMPLETION OF TWO YEAR WARRANTY PERIOD

3 MULTI-STEM TREE PLANTING
NTS



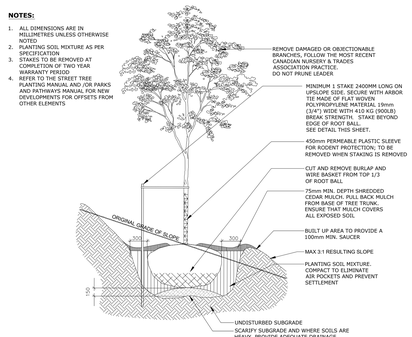
11 HARD SURFACE TREE PLANTING OPEN PLANTER
NTS



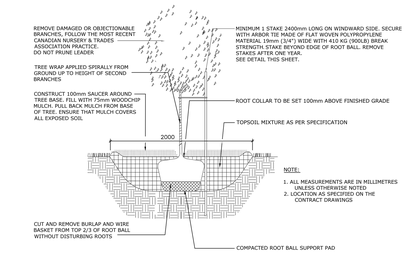
NOTES

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.

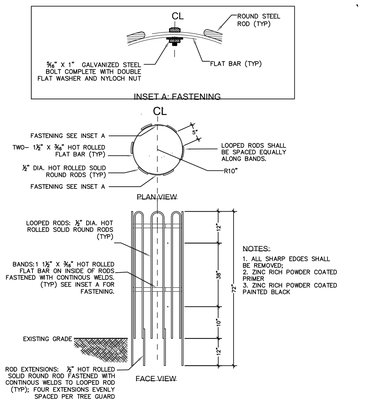
8 TREE STAKING AND GUYING
NTS



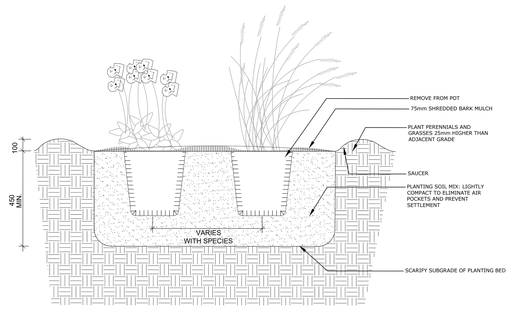
5 DECIDUOUS TREE ON SLOPE PLANTING
NTS



2 DECIDUOUS TREE PLANTING
NTS



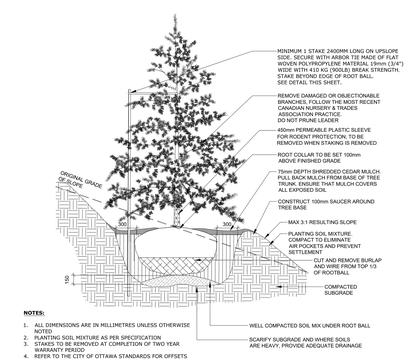
10 TREE GUARD
NTS



NOTES:

1. *ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.*
2. *PLANTING SOIL MIXTURE AS PER SPECIFICATION.*
3. *PROVIDE 100MM HIGH EARTH SAUCER AROUND PERENNIAL/GRASS BED.*

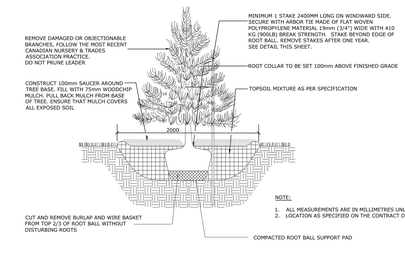
7 PERENNIAL AND ORNAMENTAL GRASS PLANTING
NTS



NOTES:

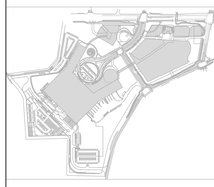
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. PLANTING SOIL MIXTURE AS PER SPECIFICATION
3. STAKES TO BE REMOVED AT COMPLETION OF TWO YEAR WARRANTY PERIOD
4. REFER TO THE CITY OF OTTAWA STANDARDS FOR OFFSETS

4 CONIFEROUS TREE ON SLOPE PLANTING
NTS



1 CONIFEROUS TREE PLANTING
NTS

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



THE OTTAWA HOSPITAL - CIVIC CAMPUS REDEVELOPMENT

NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

PRELIMINARY NOT FOR CONSTRUCTION

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	Jeff Falls
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-30	ISSUED FOR PRE-CONSULTATION
	2022-11-30	ISSUED FOR SPC & FLUDA - IST SUBMISSION
	2022-12-02	ISSUED FOR 3A1-2
	2023-02-24	ISSUED FOR RPP VERSION 1.0
	2023-04-14	ISSUED FOR SPC & FLUDA APPROVAL

Project Number	10335982
Original Issue	04/21/22

Sheet Name

PLANTING DETAILS

Sheet Number

L-2.2.2.951

Project Status

STAGE 3

ATTACHMENT 5

Modeled Views



View 1: View from Prince of Wales Drive (Enlarged)



View 2: View from Prince of Wales Drive (Midway)



View 2: View from Prince of Wales Drive and Navy Private



View 3: View from Prince of Wales Drive and Preston Drive



View 4: View from Carling Avenue, east of the Hospital



View 5: View from Carling Avenue, east of the Dominion Observatory Complex



View 6: View from Dow's Lake (1)



View 7: View from Dow's Lake (2)



View 7.5: View from Dow's Lake (3)



View 8: View from Dominion Observatory Complex



View 9: View to William Saunders Building from Maple Drive



View 10: View from Maple Drive near the Arc Biotech Building



View 11: View to William Saunders Building from front lawn



View 12: View from Traffic Circle on Prince of Wales Drive



View 13: View from Arboretum Park



View 14: View from Commissioners Park



View 15: View from Bronson Bridge/Colonel By Drive



View 16: View from Hartwells Lockstation (the Hospital location is shaded in this winter scene to illustrate it will not be visible from this location)



View 17: View along Maple Drive to the west elevation of the CUP (winter scene at maturity)