TECHNICAL MEMORANDUM

DATE November 10, 2022 **Project No.** 19127064

TO Pamela Whyte, MCIP, RPP, Manager of Planning
Parsons Inc.

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

FROM Chelsey Tyers, BES, MCIP, RPP Cultural Heritage Specialist **EMAIL Chelsey.Tyers@wsp.com**

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

1.0 INTRODUCTION

In September 2022, Golder Associates Ltd., a member of WSP (Golder) was retained by Parsons Corporation (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 Master Site Plan application (the revised July 2021 CHIS is herein referred to as the CHIS).

For the submission for the site plan application 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 the recommendations for development. Any recommendations resulting from this CHIS addendum are specific to the Hospital and CUP phase 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). The direction provided was that the CHIS should consider and address the following:

- Landscaping plan
  - 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 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 ambulance 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 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 Master Site Plan and Parking Garage applications)

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. Golder concurs that a Heritage Protection Plan should be completed but recommends that it be a compilation of pre-construction mitigation plans prepared by the contractor and that this be completed as a condition of Site Plan approval prior to construction.

2.0 Hospital and Central Utility Plant Design Concept, October 2022

A site plan application is being prepared 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 includes the main patient walk-in entrance on Hospital Level 1. Below Hospital Level 1, Level E1 at 75.36 metres in elevation is the floor for the Emergency Department and there is a walk-in emergency entrance at the north side of the hospital as well as the ambulance entrance to the south. A servicing and loading area is accessed off of Prince of Wales Drive and will have 13 spaces for loading docks and 27 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 13 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. 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 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.

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 comes off of Carling Avenue and leads to the Hospital's front of house. Road E is located south of the Hospital building and connects to Prince of Wales Drive to provide secondary ambulance access. The primary ambulance route will be along Maple Drive accessed off of Carling Avenue. The Project Development Team identified that separate accesses were a key design decision for ambulance access to minimize public interaction with ambulances. An average of 100 ambulance trips are expected a day, with 75% of them taking Maple Drive and 25% Prince of Wales Drive and the posted speed limit along Maple Drive will be 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, 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 will enhance evening visibility outside while limiting light contribution to patients sleeping at night. Lighting fixtures will cast light downwards 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).

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 that 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]
- ***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, it does not advise on how to describe their nature or extent.

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[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*.

[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".

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 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 civic 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, October 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 already been substantially altered with the construction of the Sir John Carling Building, associated annexes and parking areas in 1967. The John Carling Building (11 storeys, demolished in 2014) and buildings on the north side of Carling Avenue also set a precedent for taller heights than the proposed Hospital towers. The design of the building does reflect a contemporary design with the use of wall panels, and lots of glazing. It is consistent with best heritage practices that new builds reflect contemporary design, and the furthermore the Hospital is located sufficiently far from the Dominion Observatory Complex and other federal heritage buildings such that use of compatible building materials is not necessary. 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 the 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%. 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.	Minor, irreversible and direct impact that is site-specific and permanent, and will occur continually over a long period of time.	The proposed landscape treatment has taken cues from the existing vegetation within the CEF NHSC and reflects and protects the CEF NHSC's rural picturesque character to enhance the "farm in the city". No additional mitigation measures are recommended.
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 1st by Tower B and the plantings along Prince of Wales Drive. Shadows noted for the Winter (Dec 1) are considered negligible given the sun typically sets around 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.	No impact.	No mitigation recommended

	Shadows will not extend to the Rideau Canal NHSC/WHS.		
Isolation of a heritage resource or part thereof from its surrounding environment, context or a significant relationship	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 SOS. Additionally, between 1967 and 2014 the 11-storey Sir John Carling Building blocked all views of the dome of the Dominion Observatory from the east side of Dow's Lake. 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.	No impact.	No mitigation 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 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 views analysis suggests that 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 Building. While views from the Rideau Canal NHSC/WHS from the east will be blocked by the Hospital, 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 SOS. Views toward the Dominion Observatory Dome from the east were largely obscured between 1967 and 2014 by the John Carling Building Annex and the Sir John Carling Building. As such the proposed hospital building and CUP will not change the historical views to the Dominion Observatory Dome from the east.	Minor, reversible and indirect impact that is site-specific and will occur continually over a longer period of time. This magnitude reflects the minor change to views compared to when the 11-storey Sir John Carling Building was standing on the Site between 1967 and 2014.	Impacts to the night sky will be mitigated to some extent by the current plan to dim lights where possible over nighttime hours and use of downward directed light. 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	The Queen Elizabeth Cultural Landscape's SOS identifies the view facing east and then south when traveling east and	Minor, reversible and	The current proposal to maintain

views toward proposed loading dock (Views 1, 1.5, and 2)	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.	indirect impact that is site-specific and permanent, and will occur continually over a longer period of time.	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 to 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. The Sir John Carling Building that existed on the site in the vicinity of the Hospital existed between 1967 and 2014 was 11-stories in height, as such, the visual impact of the views towards 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 Lane 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 the 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 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.
- 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 this 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 and Colonel By Drive (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 may include views of the Hospital in the west and distant periphery, as such these impacts are considered negligible. Views from Colonel By Drive along Rideau Canal may include the Hospital Towers in the distant background, but these impacts are considered negligible given that between 1967 and 2014 the John Carling building that was 11 stories in height would have been similarly visible above the tree line in this area.	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 surround the Annex and now-demolished Sir John Carling Building with new structures, parking areas and of the 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 and peripheral to the operations of the CEF until it was selected as a "headquarters zone" for the Sir John Carling Building in 1967.	Major, irreversible, direct and indirect impacts that are site-specific and permanent and will occur once and continually over	Prebuilding condition assessment for the South Azimuth building's masonry. Installation of bollards around the South Azimuth building.

	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 AAFC. While the use of Maple Drive as a primary ambulance 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 ambulance route will travel directly past the South Azimuth that is within 2 m of the curb. Upon entry to the site, ambulance 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 ambulances are heavier than the average passenger vehicle, the Project Development Team's engineers have indicated the ambulances will not cause vibration impacts. The weight of the ambulances and the expected number of ambulance trips a day along Maple Drive (75) will not require any special pavement treatments as may be required for heavier trucks such as Fire Trucks. Notwithstanding that the new of use of Maple Drive for an ambulance 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 this buildings' masonry. 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.	a longer period of time.	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 ambulance 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 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	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 won't 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 of this view. 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 Hartwell's Lockstation	Views from the Fletcher Wildlife Gardens to the Harwell's Lockstation may include the Hospital towers in the distant background, as such, impacts are considered negligible.	Negligible.	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 towards 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 Saunders Building will be impacted. Views of the Hospital towers will be visible in the background of the Saunders building. Given the Hospital will not obstruct or block views to the 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 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. 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 to this view.	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 towards 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:

Landscape Treatments

- A key recommendation was to take cues from the existing vegetation within the CEF to ensure that 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 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 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 includes eastern white pine, eastern red cedar, mixed wood understory include bearberry and trillium, co-dominant understory include tufted hairgrass, and mapleleaf.

- **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. 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.

4.2 Proposed Mitigation Measures

- 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.
- Work with Agriculture and Agri-food Canada (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.

- Creation of physical buffers
  - Erect temporary fencing or physical barriers at the work area boundaries to prevent accidental collision with the adjacent Federal Heritage Buildings and buildings protected in the CEF NHSC CIS.
- 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 sources, 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 appropriate light fixtures and diming the lights at night where possible; and,
- additional adverse impacts will range in magnitude from negligible to major without mitigation.

In addition to the mitigation measures already incorporated into the site plan application for the Hospital and CUP for the TOH, Golder recommends the following additional mitigation strategies outlined in more detail in Section 4.2:

- Install bollards around the South Azimuth building on Maple Drive;
- Complete a de-icing plan for Maple Drive; and,
- Complete a Heritage Protection Plan, as outlined above, to mitigate construction-related impacts.

Golder Associates Ltd.

Chelsey Tyers, BES, MCIP, RPP
Cultural Heritage Specialist

Joel Konrad, PhD, CAHP
Cultural Heritage Lead - Ontario

CT/JK/ca

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, September 2022

3 – Electrical Site Plan

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

5 – Modeled Views

REFERENCES

Bond, Stephen and Derek Worthing
2016 *Managing Built Heritage: The Role of Cultural Heritage Values and Significance*. Wiley Blackwell, Chichester, UK.

Kalman, Harold & Marcus Létourneau
2020 *Heritage Planning: Principles and Process.* Routledge, New York.

Ministry of Citizenship and Multiculturalism (Ontario)
2006 Ontario Heritage Tool Kit: Heritage Resources in the Land Use Planning Process. Ministry of Heritage, Sport, Tourism and Culture Industries, Toronto.

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, September 2022

STAGE 3

2022-09-23 - ISSUED FOR PRE-CONSULTATION

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3.2.4.2.2 Inter- & Intra-Departmental Zones					
A-4.2.200.0-N	INTER- & INTRA-DEPARTMENTAL ZONES - SUB-BASEMENT LEVEL - NORTH				
A-4.2.200.0-S	INTER- & INTRA-DEPARTMENTAL ZONES - SUB-BASEMENT LEVEL - SOUTH				
A-4.2.200.1-N	INTER- & INTRA-DEPARTMENTAL ZONES - BASEMENT LEVEL - NORTH			•	
A-4.2.200.1-S	INTER- & INTRA-DEPARTMENTAL ZONES - BASEMENT LEVEL - SOUTH			•	
A-4.2.200.2-N	INTER- & INTRA-DEPARTMENTAL ZONES - EMERGENCY LEVEL - NORTH			•	
A-4.2.200.2-S	INTER- & INTRA-DEPARTMENTAL ZONES - EMERGENCY LEVEL - SOUTH			•	
A-4.2.201-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 01 - NORTH			•	
A-4.2.201-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 01 - SOUTH			•	
A-4.2.202-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 02 - NORTH			•	
A-4.2.202-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 02 - SOUTH			•	
A-4.2.203-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 03 - NORTH			•	
A-4.2.203-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 03 - SOUTH			•	
A-4.2.204-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 04 - NORTH			•	
A-4.2.204-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 04 - SOUTH			•	
A-4.2.205-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 05 - NORTH			•	
A-4.2.205-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 05 - SOUTH			•	
A-4.2.206-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 06 - NORTH			•	
A-4.2.206-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 06 - SOUTH			•	
A-4.2.207-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 07 - NORTH			•	
A-4.2.207-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 07 - SOUTH			•	
A-4.2.208-N	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 08 - NORTH			•	
A-4.2.208-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 08 - SOUTH			•	
A-4.2.209-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 09 - SOUTH			•	
A-4.2.210-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 10 - SOUTH			•	
A-4.2.211-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 11 - SOUTH			•	
A-4.2.212-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 12 - SOUTH			•	
A-4.2.213-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 13 - SOUTH			•	
A-4.2.214-S	INTER- & INTRA-DEPARTMENTAL ZONES - LEVEL 14 - SOUTH				
3.2.4.2.3 Inter- & Intra-Departmental Circulation Overall					
A-4.2.300.0	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - SUB-BASEMENT				
A-4.2.300.1	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - BASEMENT LEVEL			•	
A-4.2.300.2	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - EMERGENCY LEVEL			•	
A-4.2.301	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 01			•	
A-4.2.302	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 02			•	
A-4.2.303	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 03			•	
A-4.2.304	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 04			•	
A-4.2.305	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 05			•	
A-4.2.306	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 06			•	
A-4.2.307	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 07			•	
A-4.2.308	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 08			•	
A-4.2.309	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 09			•	
A-4.2.310	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 10			•	
A-4.2.311	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 11			•	
A-4.2.312	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 12			•	
A-4.2.313	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 13			•	
A-4.2.314	INTER- & INTRA-DEPARTMENTAL CIRCULATION OVERALL - LEVEL 14				
3.2.4.2.4 Inter- & Intra-Departmental Circulation Zones					
A-4.2.400.1-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - BASEMENT LEVEL - NORTH				
A-4.2.400.1-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - BASEMENT LEVEL - SOUTH				
A-4.2.400.2-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - EMERGENCY LEVEL - NORTH				
A-4.2.400.2-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - EMERGENCY LEVEL - SOUTH				
A-4.2.401-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 01 - NORTH				
A-4.2.401-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 01 - SOUTH				
A-4.2.402-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 02 - NORTH				
A-4.2.402-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 02 - SOUTH				
A-4.2.403-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 03 - NORTH				
A-4.2.403-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 03 - SOUTH				
A-4.2.404-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 04 - NORTH				
A-4.2.404-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 04 - SOUTH				
A-4.2.405-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 05 - NORTH				
A-4.2.405-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 05 - SOUTH				
A-4.2.406-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 06 - NORTH				
A-4.2.406-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 06 - SOUTH				
A-4.2.407-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 07 - NORTH				
A-4.2.407-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 07 - SOUTH				
A-4.2.408-N	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 08 - NORTH				
A-4.2.408-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 08 - SOUTH				
A-4.2.409-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 09 - SOUTH				
A-4.2.410-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 10 - SOUTH				
A-4.2.411-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 11 - SOUTH				
A-4.2.412-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 12 - SOUTH				
A-4.2.413-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 13 - SOUTH				
A-4.2.414-S	INTER- & INTRA-DEPARTMENTAL CIRCULATION ZONES - LEVEL 14 - SOUTH				
3.2.4.5 Structural Systems					
S-4.5.100	STRUCTURAL				
3.2.5 Mechanical Systems					
M-5.100	MECHANICAL				
3.2.6 Electrical Systems					
E-6.100	ELECTRICAL				
3.2.7 Building Sections					
A-7.100	BUILDING SECTIONS	•	•	•	
A-7.101	BUILDING SECTIONS	•	•	•	
A-7.102	BUILDING SECTIONS			•	
3.2.8 Building Elevations					
A-8.100	NORTH & SOUTH ELEVATIONS	•	•	•	
A-8.101	EAST & WEST ELEVATIONS	•	•	•	
3.2.9.2 Outbreak & Emergency Management					
A-9.100.1	OUTBREAK & EMERGENCY MANAGEMENT PLAN - BASEMENT LEVEL				
A-9.100.2	OUTBREAK & EMERGENCY MANAGEMENT PLAN - EMERGENCY LEVEL				
A-9.101	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 01				
A-9.102	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 02				
A-9.103	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 03				
A-9.104	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 04				
A-9.105	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 05				
A-9.106	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 06				
A-9.107	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 07				
A-9.108	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 08				
A-9.109	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 09				
A-9.110	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 10				
A-9.111	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 11				
A-9.112	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 12				
A-9.113	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 13				
A-9.114	OUTBREAK & EMERGENCY MANAGEMENT PLAN - LEVEL 14				
3.2.9.3 Flexibility & Adaptability Plans					
A-9.300.1	FLEXIBILITY & ADAPTABILITY PLAN - BASEMENT LEVEL				
A-9.300.2	FLEXIBILITY & ADAPTABILITY PLAN - EMERGENCY LEVEL				
A-9.301	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 01				
A-9.302	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 02				
A-9.303	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 03				
A-9.304	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 04				
A-9.305	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 05				
A-9.306	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 06				
A-9.307	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 07				
A-9.308	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 08				
A-9.309	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 09				
A-9.310	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 10				
A-9.311	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 11				
A-9.312	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 12				
A-9.313	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 13				
A-9.314	FLEXIBILITY & ADAPTABILITY PLAN - LEVEL 14				
3.3.10 Phasing Plans					
A-10.100	PHASING PLANS				
GBA-GROSS BUILDING AREA					
GBA-100.0	SUB-BASEMENT LEVEL GROSS BUILDING AREA PLAN	•			
GBA-100.1	BASEMENT LEVEL GROSS BUILDING AREA PLAN	•			
GBA-100.2	EMERGENCY LEVEL GROSS BUILDING AREA PLAN	•			
GBA-101	LEVEL 01 GROSS BUILDING AREA PLAN	•			
GBA-102	LEVEL 02 GROSS BUILDING AREA PLAN	•			
GBA-103	LEVEL 03 GROSS BUILDING AREA PLAN	•			
GBA-104	LEVEL 04 GROSS BUILDING AREA PLAN	•			
GBA-105	LEVEL 05 GROSS BUILDING AREA PLAN	•			
GBA-106	LEVEL 06 GROSS BUILDING AREA PLAN	•			
GBA-107	LEVEL 07 GROSS BUILDING AREA PLAN	•			
GBA-108	LEVEL 08 GROSS BUILDING AREA PLAN	•			
GBA-109	LEVEL 09 GROSS BUILDING AREA PLAN	•			
GBA-110	LEVEL 10 GROSS BUILDING AREA PLAN	•			
GBA-111	LEVEL 11 GROSS BUILDING AREA PLAN	•			
GBA-112	LEVEL 12 GROSS BUILDING AREA PLAN	•			
GBA-113	LEVEL 13 GROSS BUILDING AREA PLAN	•			
GBA-114	LEVEL 13 GROSS BUILDING AREA PLAN				

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NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

STAGE 3

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

THE OTTAWA HOSPITAL

Architectural Partnership
NORR
175 Bloor Street East, North Tower, 15th Floor
Toronto, ON M4W 3R8
t (416)926-4355

Structural
EXP
220 Commerce Valley Drive West, Suite 110
Markham, ON L3T 0A8
t (613)230-1186

Mechanical & Electrical
Smith + Andersen
1600 Carling Avenue, Suite 530
Ottawa, Ontario, K1Z 1G3
t (613)230-1186

ICAT
HH Angus
1129 Leslie St.
Toronto, ON M3C 2K7
t (416)443-8200

Colliers
Equipment
1525 Cornwall Rd, Unit 14
Oakville, ON L6J 0B2
t (905)338-3222

Kaizen
Food Services
1525 Cornwall Rd, Unit 14
Oakville, ON L6J 0B2
t (905)338-3222

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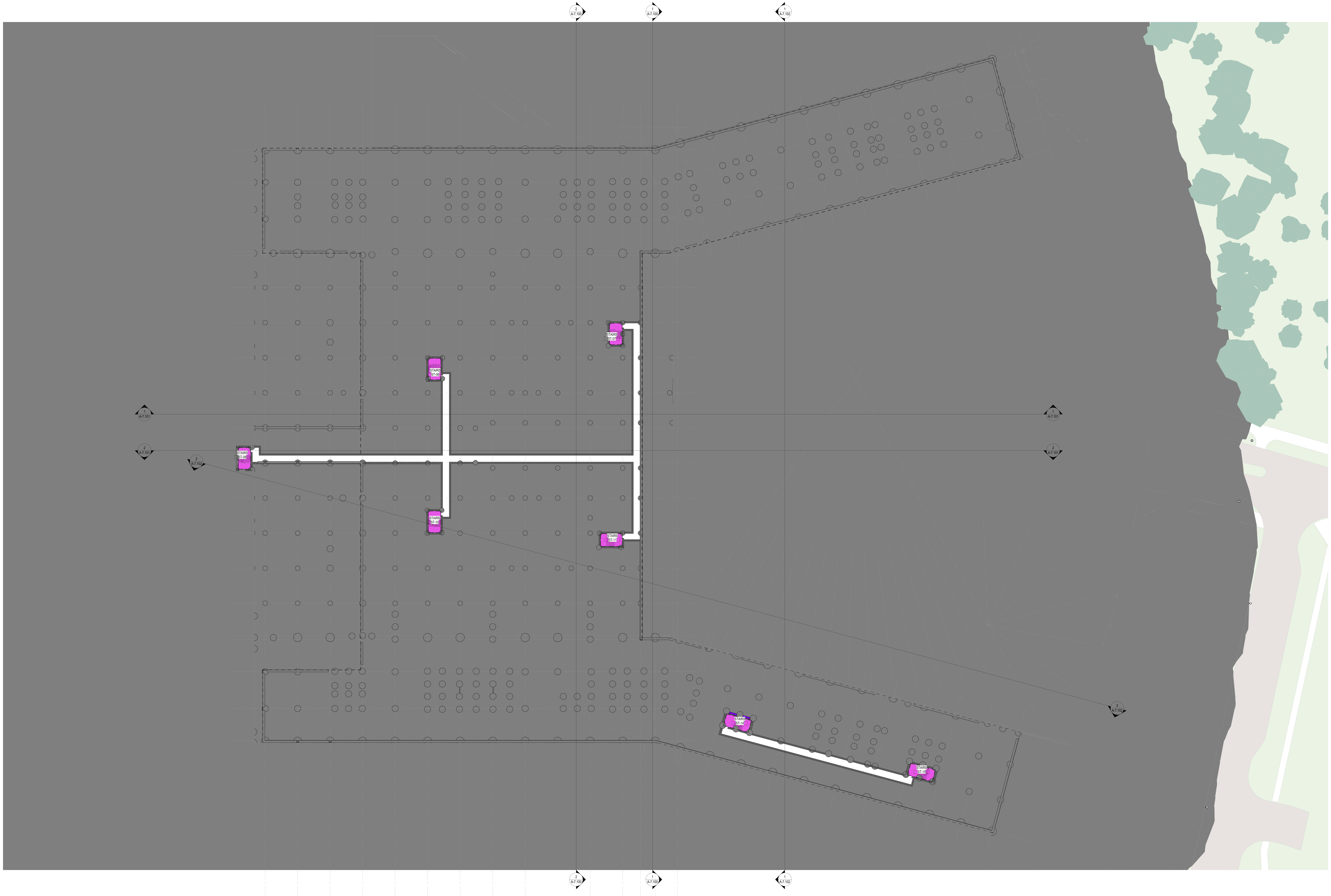

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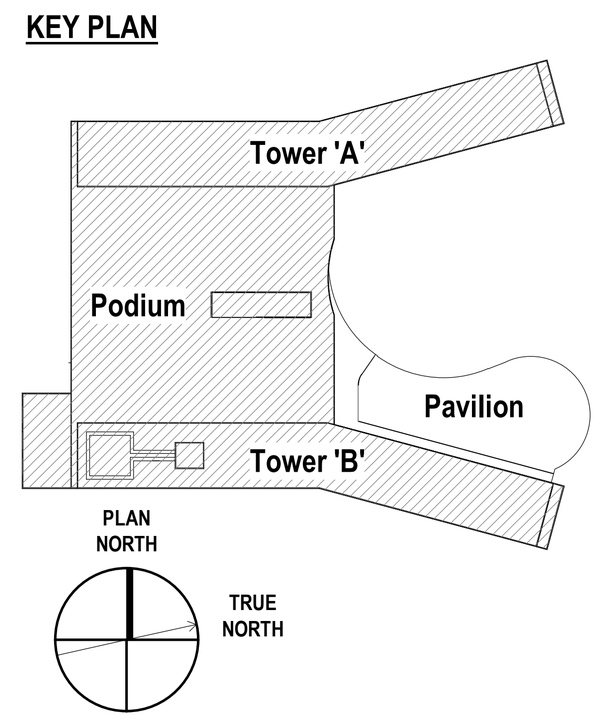
THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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Original Issue 09/09/22

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ROBERT J. MALLOY
LICENCE
5517
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Sheet Name
DEPARTMENTAL GROSS OVERALL PLAN - SUB-BASEMENT LEVEL

Sheet Number
A-4.2.100.0

Project Status
STAGE 3

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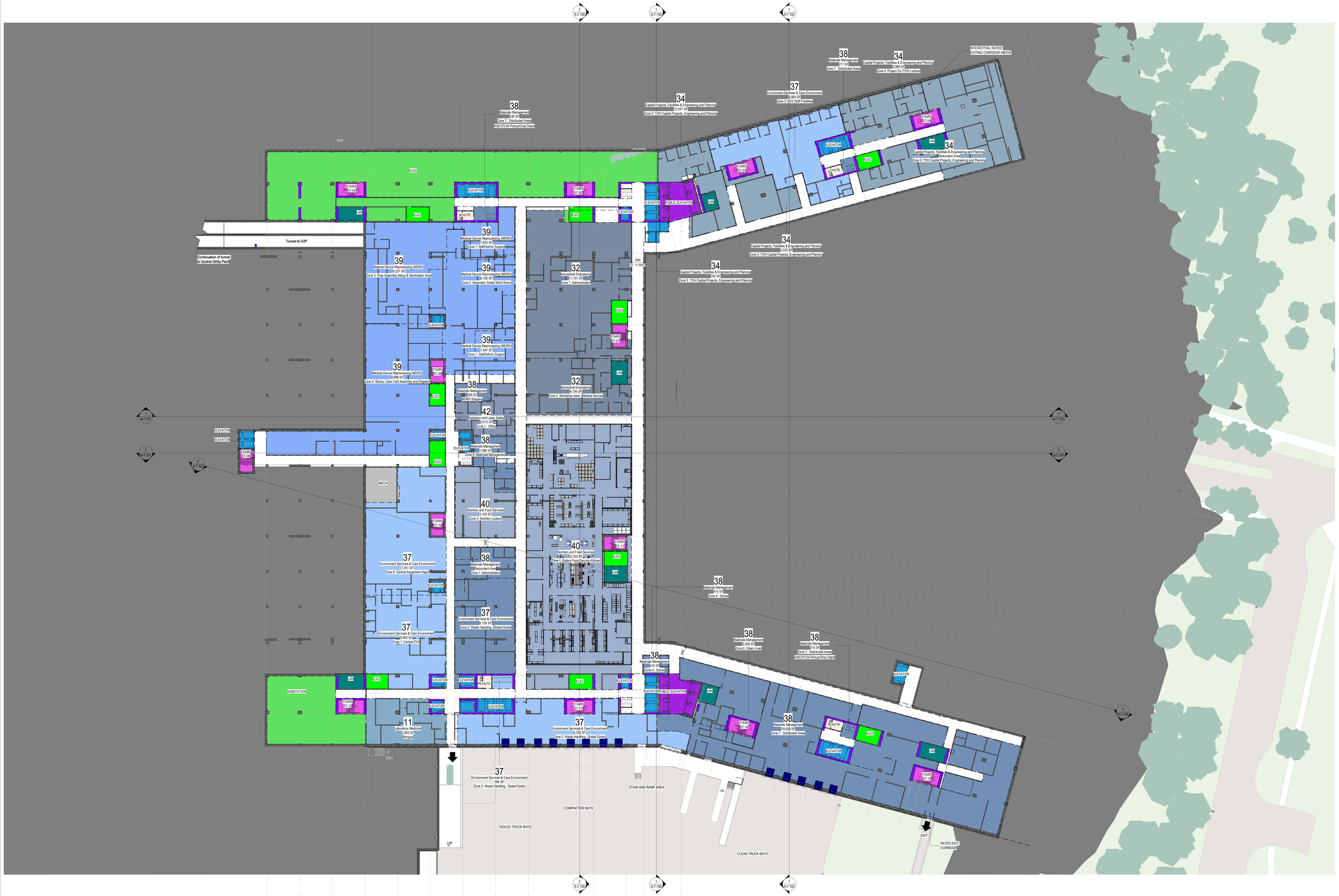

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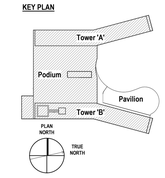
DEPARTMENT AREAS - LEVEL B

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
11	Laboratory Medicine	2,903 SF
32	Biomedical Engineering	16,527 SF
34	Capital Projects, Facilities & Engineering and Planning	21,058 SF
37	Environment Services & Care Environment	33,182 SF
38	Materials Management	26,274 SF
39	Medical Device Reprocessing (MDRD)	26,064 SF
40	Nutrition and Food Services	25,408 SF
42	Radiation and Laser Safety	2,013 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



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Original Issue 2021-03-04

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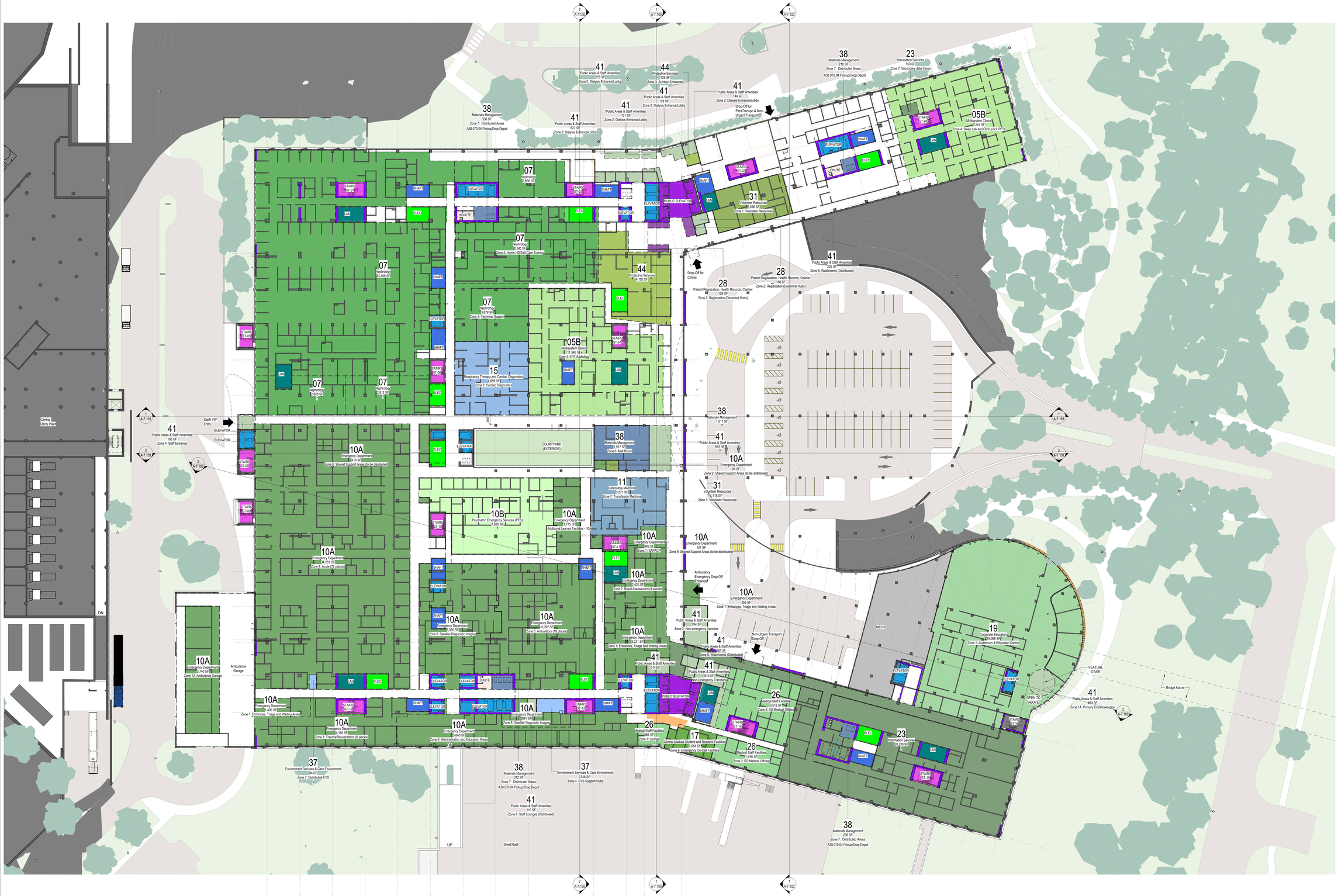
Sheet Name
DEPARTMENTAL GROSS OVERALL PLAN - BASEMENT LEVEL

Sheet Number
A-4.2.100.1

Project Status
STAGE 3



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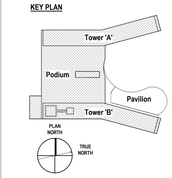
DEPARTMENT AREAS - LEVEL E

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
	ELEC	313 SF
05B	Multisystem Clinics	20,788 SF
07	Nephrology	53,673 SF
10A	Emergency Department	76,564 SF
10B	Psychiatric Emergency Services (PES)	7,630 SF
11	Laboratory Medicine	3,571 SF
15	Respiratory Therapy and Cardiac Diagnostics	4,669 SF
17	Central Medical Student and Resident Facilities	1,054 SF
19	Corporate Education	19,098 SF
23	Information Services	20,382 SF
26	Medical Staff Facilities	5,670 SF
28	Patient Registration, Health Records, Cashier	393 SF
31	Volunteer Resources	2,715 SF
37	Environment Services & Care Environment	440 SF
38	Materials Management	2,992 SF
41	Public Areas & Staff Amenities	5,342 SF
44	Protective Services	4,231 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



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Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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3	2022-09-23	ISSUED FOR PRE-CONSULTATION

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Original Issue 2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS LICENCE SEIT

Sheet Name

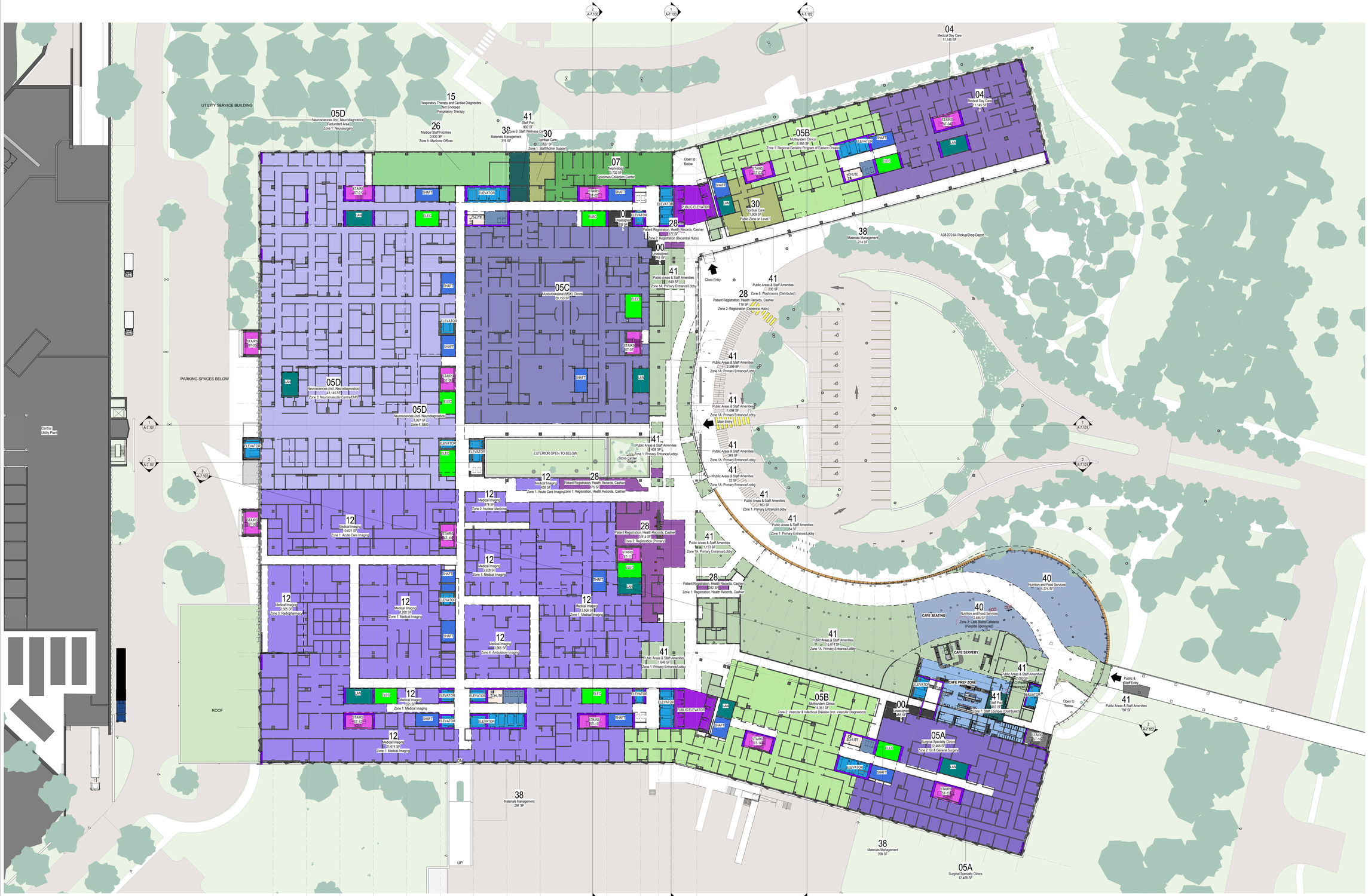
DEPARTMENTAL GROSS OVERALL PLAN - EMERGENCY LEVEL

Sheet Number

A-4.2.100.2

Project Status

STAGE 3



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DEPARTMENT AREAS - LEVEL 1

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
0	Unassigned	339 SF
00	Unassigned	736 SF
04	Medical Day Care	11,145 SF
05A	Surgical Specialty Clinics	12,468 SF
05B	Multisystem Clinics	23,345 SF
05C	Musculoskeletal (MSK) Clinics	29,153 SF
05D	Neurosciences (incl. Neurodiagnostics)	47,072 SF
07	Nephrology	3,732 SF
12	Medical Imaging	66,146 SF
15	Respiratory Therapy and Cardiac Diagnostics	3,375 SF
26	Medical Staff Facilities	3,930 SF
28	Patient Registration, Health Records, Cashier	5,456 SF
30	Spiritual Care	2,736 SF
38	Materials Management	1,038 SF
40	Nutrition and Food Services	8,760 SF
41		28,689 SF

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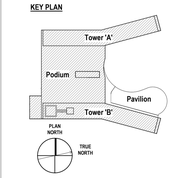
KEY PLAN



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Original Issue	2021-03-04

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Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 01

Sheet Number

A-4.2.101

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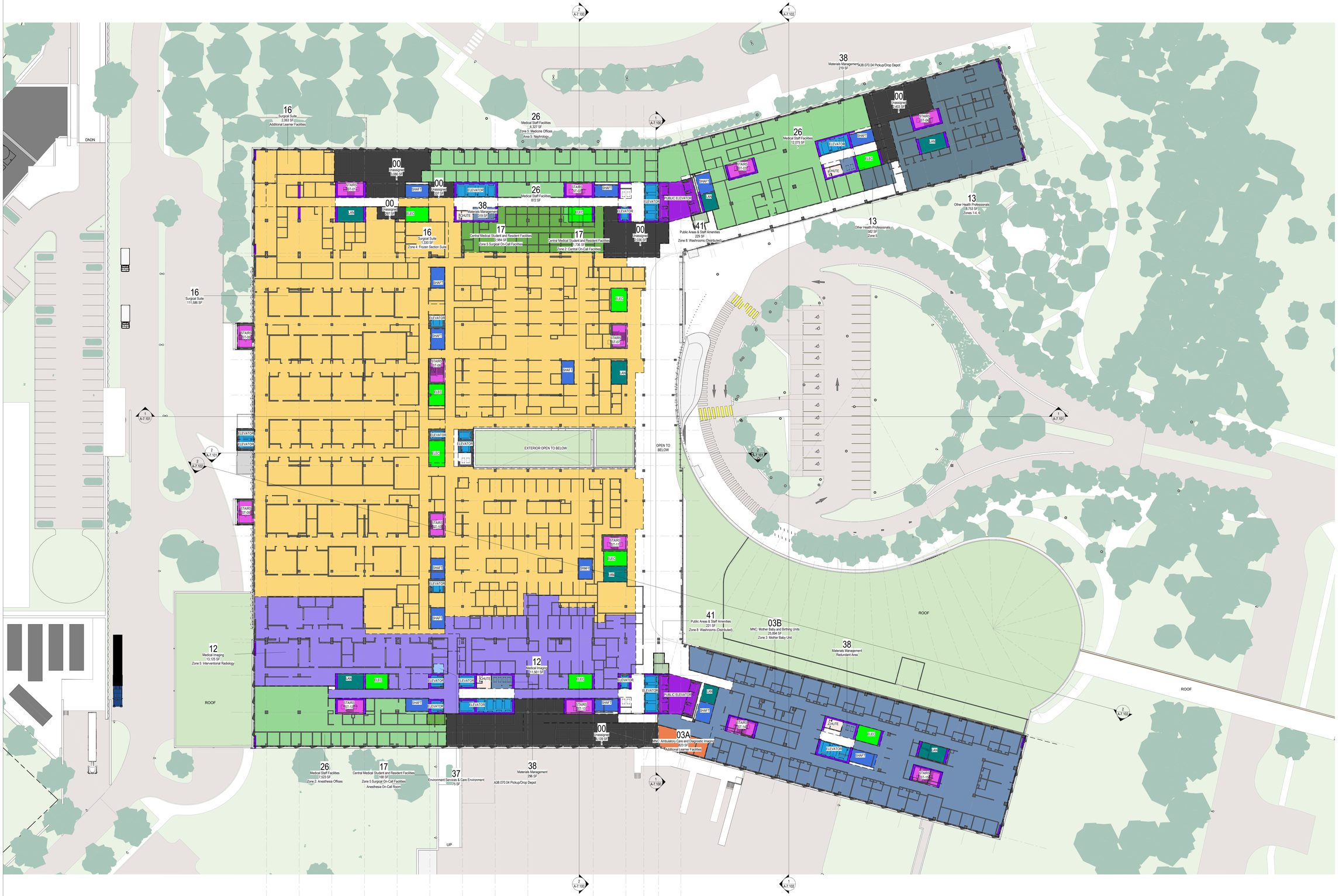

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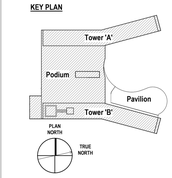
DEPARTMENT AREAS - LEVEL 2

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
00	Unassigned	14,297 SF
03A	MNC: Ambulatory Care and Diagnostic Imaging	823 SF
03B	MNC: Mother Baby and Birthing Units	25,894 SF
12	Medical Imaging	24,687 SF
13	Other Health Professionals	9,331 SF
16	Surgical Suite	116,815 SF
17	Central Medical Student and Resident Facilities	4,988 SF
26	Medical Staff Facilities	27,029 SF
37	Environment Services & Care Environment	75 SF
38	Materials Management	834 SF
41	Public Areas & Staff Amenities	450 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS LICENCE 5517

Sheet Name

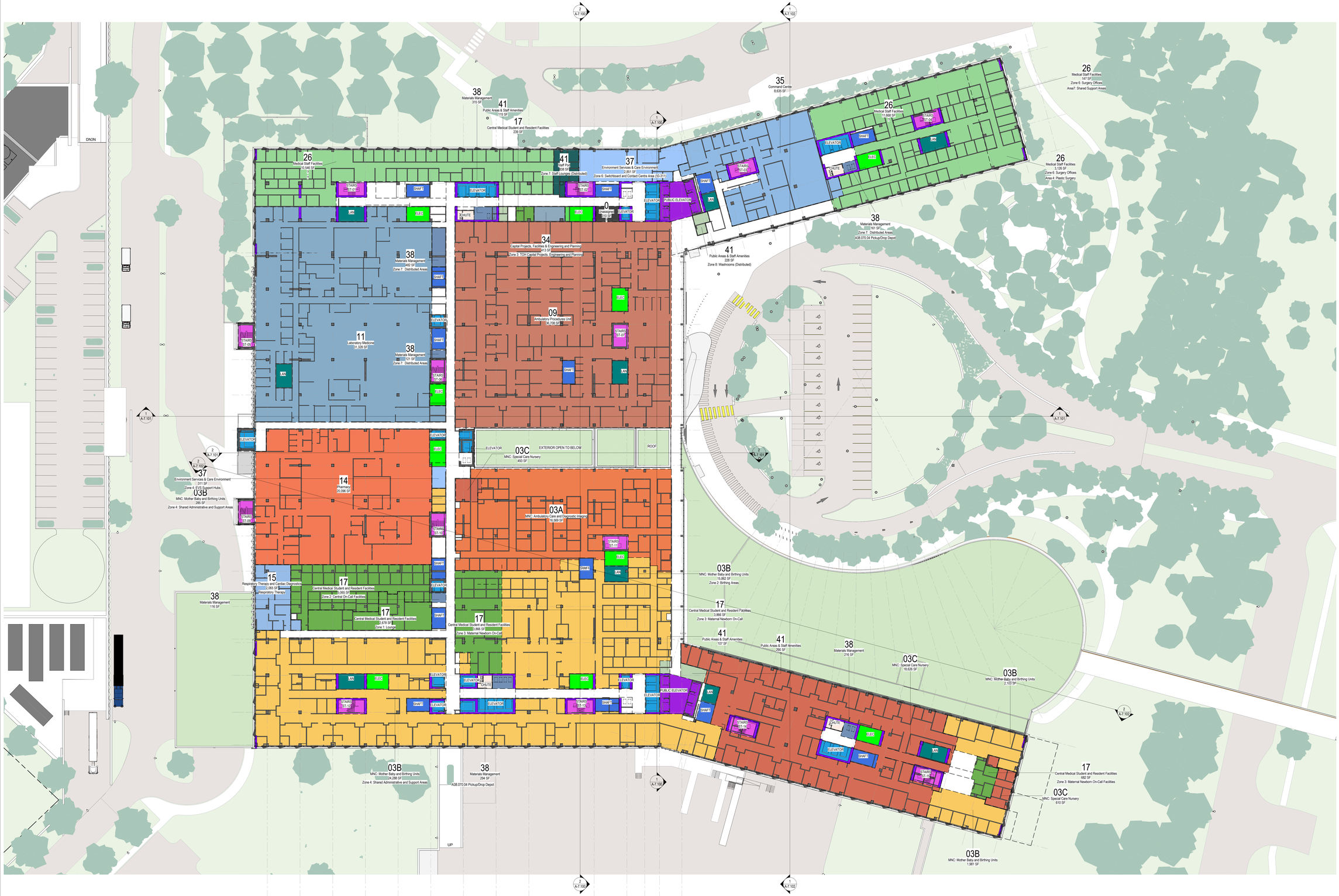
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 02

Sheet Number

A-4.2.102

Project Status

STAGE 3



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Scale 1: 300

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Ottawa, Ontario K1Z 6X6

DEPARTMENT AREAS - LEVEL 3

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
0	Unassigned	310 SF
03A	MNC: Ambulatory Care and Diagnostic Imaging	16,569 SF
03B	MNC: Mother Baby and Birthing Units	44,709 SF
03C	MNC: Special Care Nursery	19,833 SF
09	Ambulatory Procedures Unit	36,708 SF
11	Laboratory Medicine	31,328 SF
14	Pharmacy	20,096 SF
15	Respiratory Therapy and Cardiac Diagnostics	2,965 SF
17	Central Medical Student and Resident Facilities	12,531 SF
26	Medical Staff Facilities	25,486 SF
34	Capital Projects, Facilities & Engineering and Planning	413 SF
35	Command Centre	8,635 SF
37	Environment Services & Care Environment	3,162 SF
38	Materials Management	1,704 SF
41		1,578 SF

THE OTTAWA HOSPITAL
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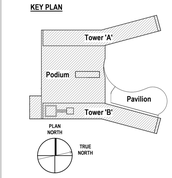
HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
STEPHEN MILLER
LICENCE 5517

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 03

Sheet Number

A-4.2.103

Project Status

STAGE 3

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Scale 1: 300

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DEPARTMENT AREAS - LEVEL 4

DEPARTMENT No.	DEPARTMENT NAME	AREA (CDSF)
37	Environment Services & Care Environment	339 SF
38	Materials Management	1,326 SF

THE OTTAWA HOSPITAL
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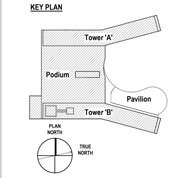
HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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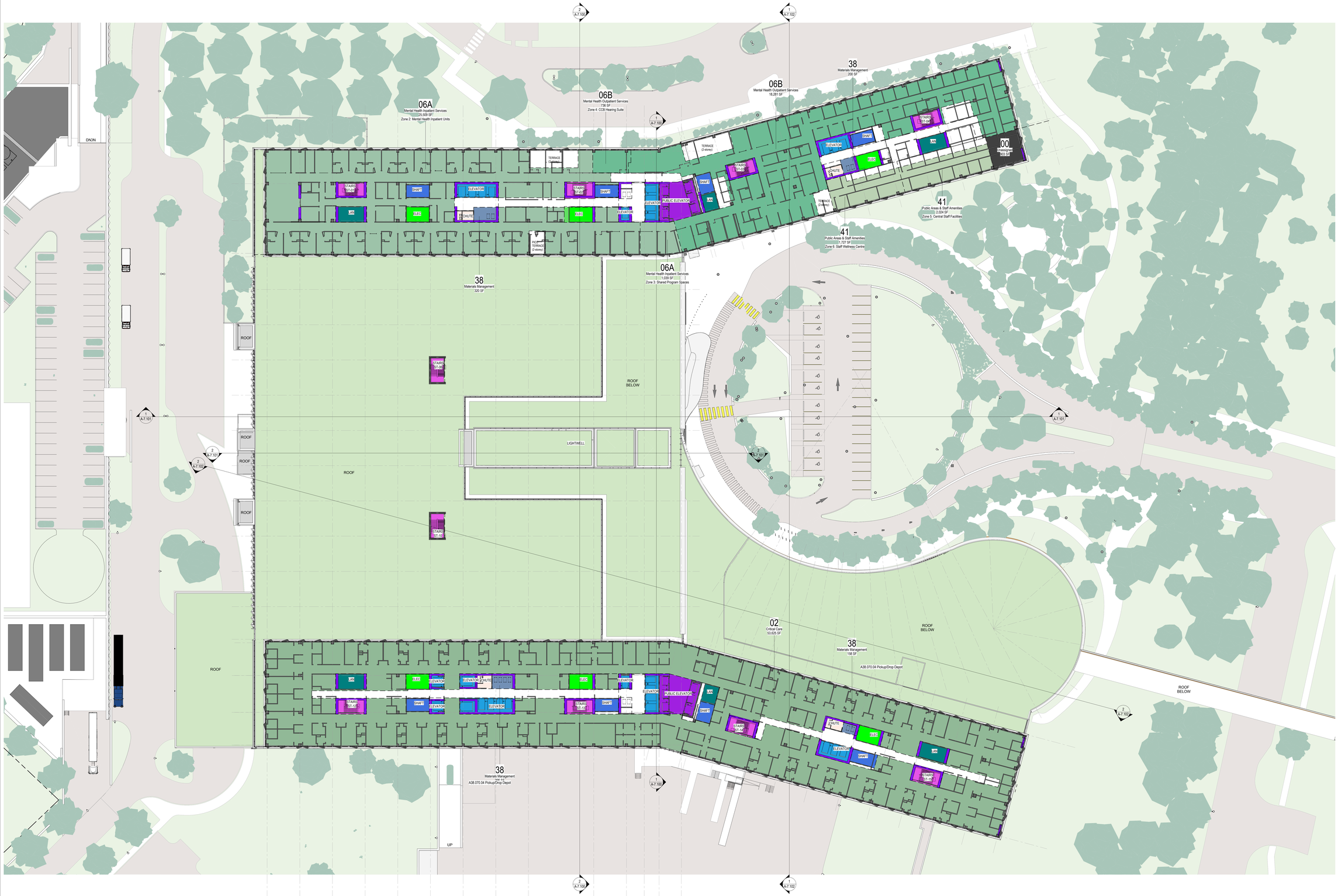
Project Number	10333982
Original Issue	2021-03-04

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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Ottawa, Ontario K1Z 6X6

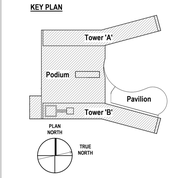
DEPARTMENT AREAS - LEVEL 5

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
00	Unassigned	903 SF
02	Critical Care	53,625 SF
06A	Mental Health Inpatient Services	26,549 SF
06B	Mental Health Outpatient Services	19,017 SF
38	Materials Management	974 SF
41	Public Areas & Staff Amenities	3,752 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-FRANÇOIS GAGNÉ
LICENCE
9517

Sheet Name

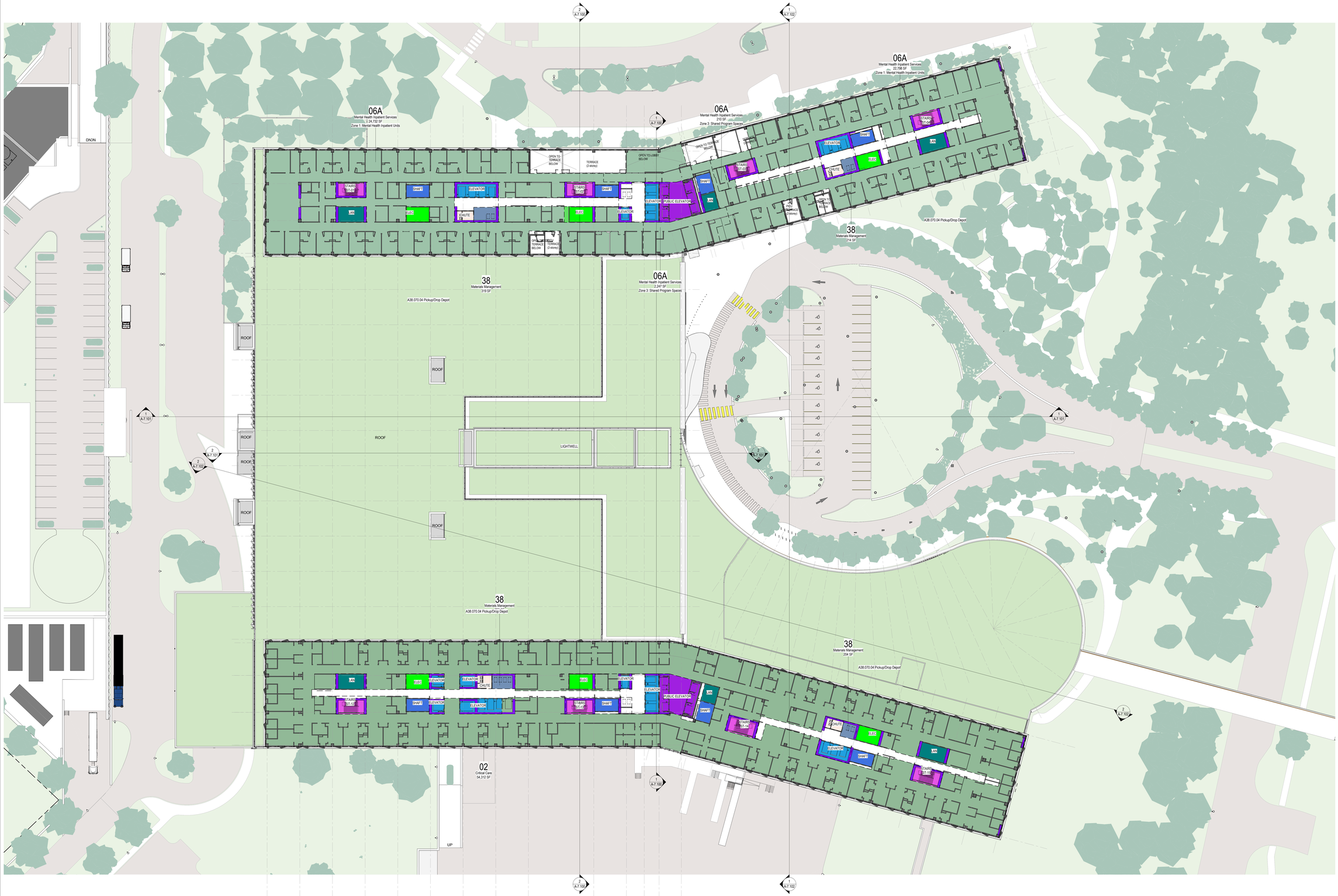
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 05

Sheet Number

A-4.2.105

Project Status

STAGE 3



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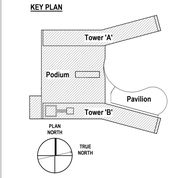
DEPARTMENT AREAS - LEVEL 6

DEPARTMENT No.	DEPARTMENT NAME	AREA (CDSF)
02	Critical Care	54,312 SF
06A	Mental Health Inpatient Services	49,987 SF
38	Materials Management	1,030 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JOSEPH GERARD ELLIOTT
LICENCE
9517

Sheet Name

DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 06

Sheet Number

A-4.2.106

Project Status

STAGE 3

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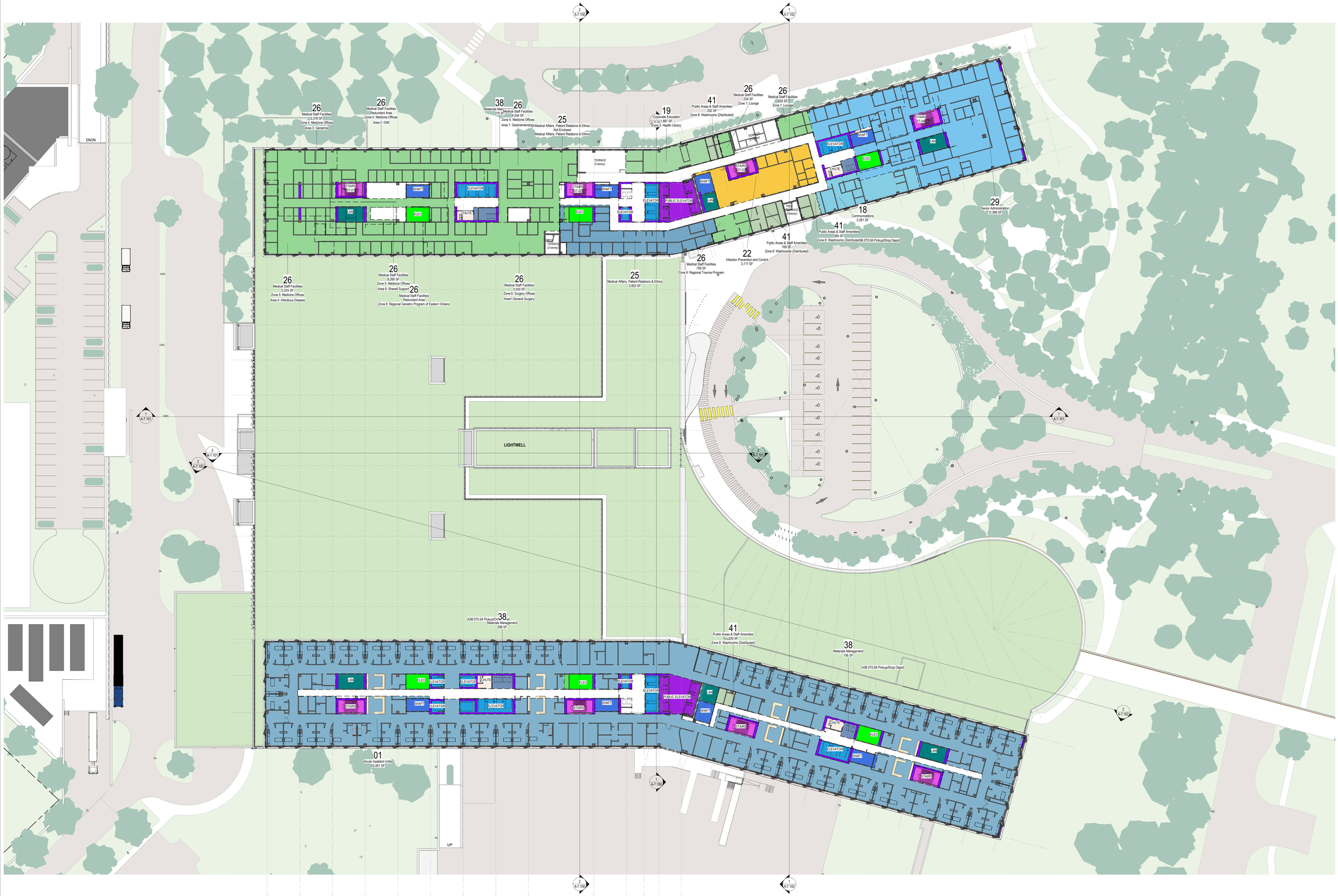

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Ottawa, Ontario K1Z 6X6

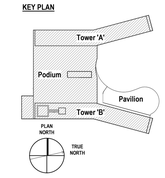
DEPARTMENT AREAS - LEVEL 7

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,491 SF
18	Communications	2,261 SF
19	Corporate Education	1,687 SF
22	Infection Prevention and Control	3,117 SF
25	Medical Affairs, Patient Relations & Ethics	3,822 SF
26	Medical Staff Facilities	23,837 SF
29	Senior Administration	12,989 SF
38	Materials Management	1,015 SF
41	Public Areas & Staff Amenities	1,615 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JOSEPH GREGORY MILLER
LICENCE
0517

Sheet Name

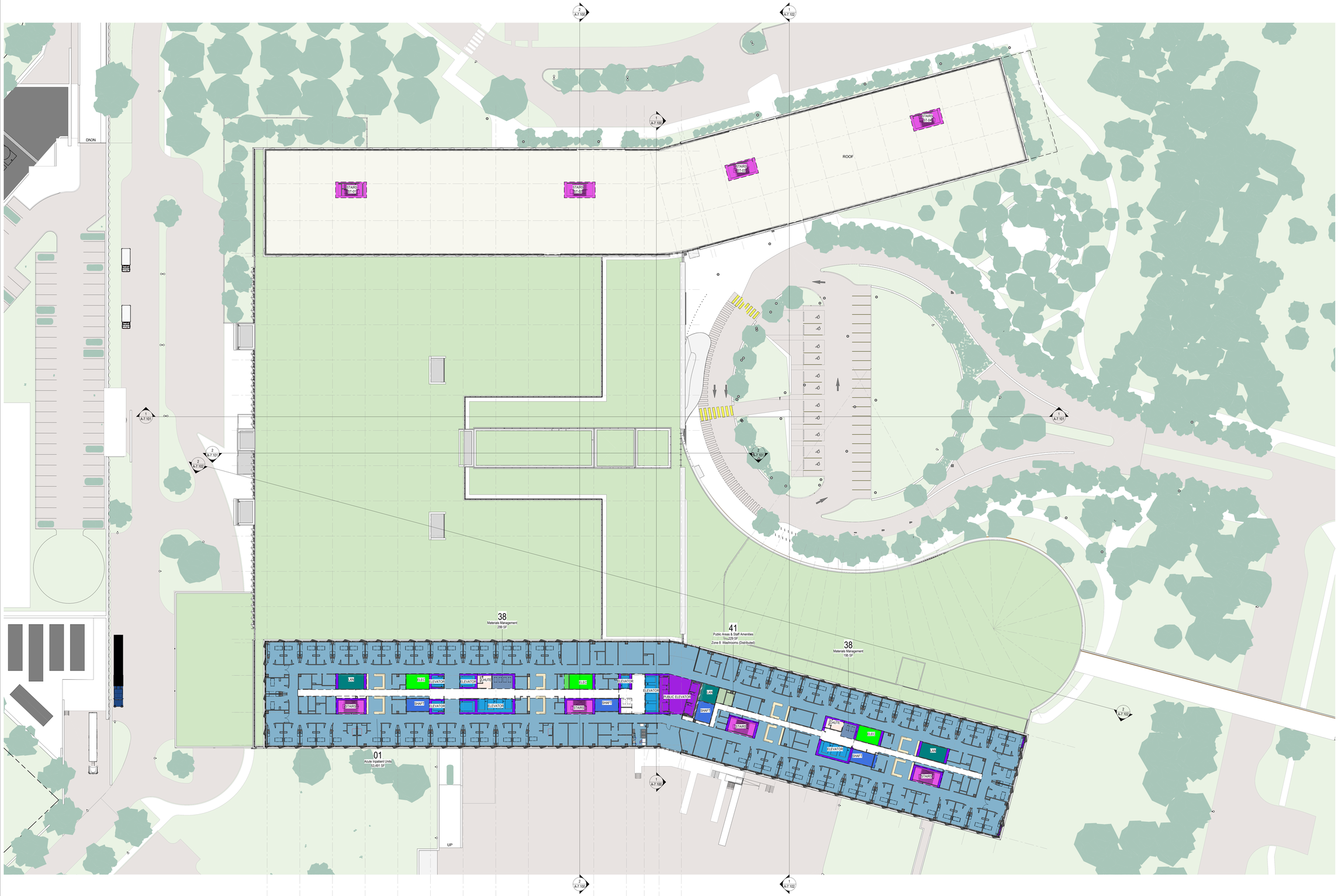
DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 07

Sheet Number

A-4.2.107

Project Status

STAGE 3



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Scale 1: 300

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Ottawa, Ontario K1Z 6X6

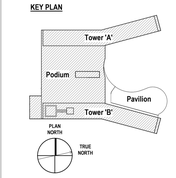
DEPARTMENT AREAS - LEVEL 8

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,491 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	229 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-06-13	ISSUED FOR COSTING
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3	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-GUY GERVAIS
LICENCE
0517

Sheet Name

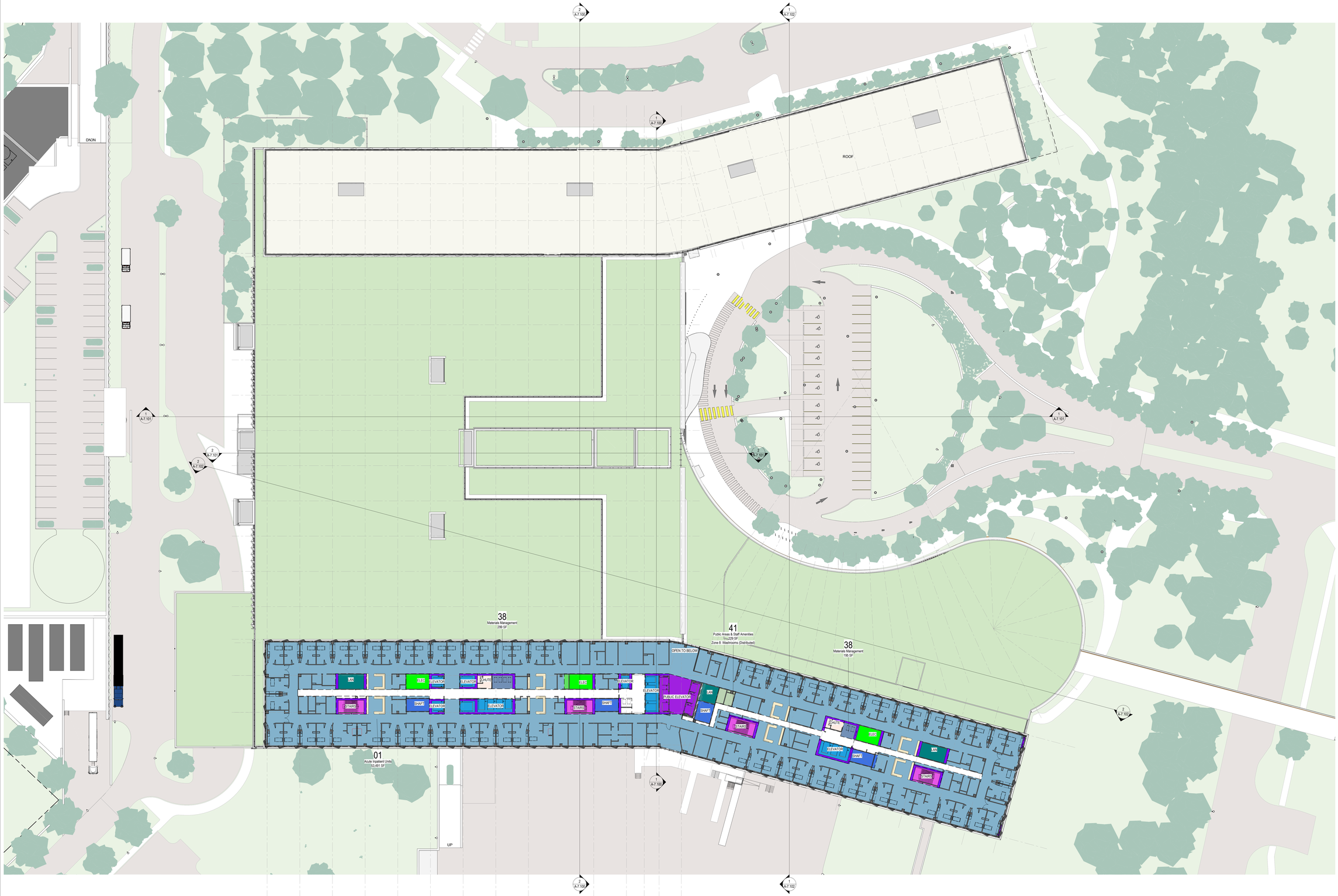
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 08

Sheet Number

A-4.2.108

Project Status

STAGE 3



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

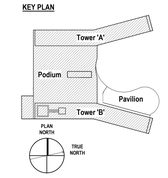
DEPARTMENT AREAS - LEVEL 9

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,491 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	229 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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1	2022-06-13	ISSUED FOR COSTING
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Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-GUY MILLER
LICENCE
5517

Sheet Name

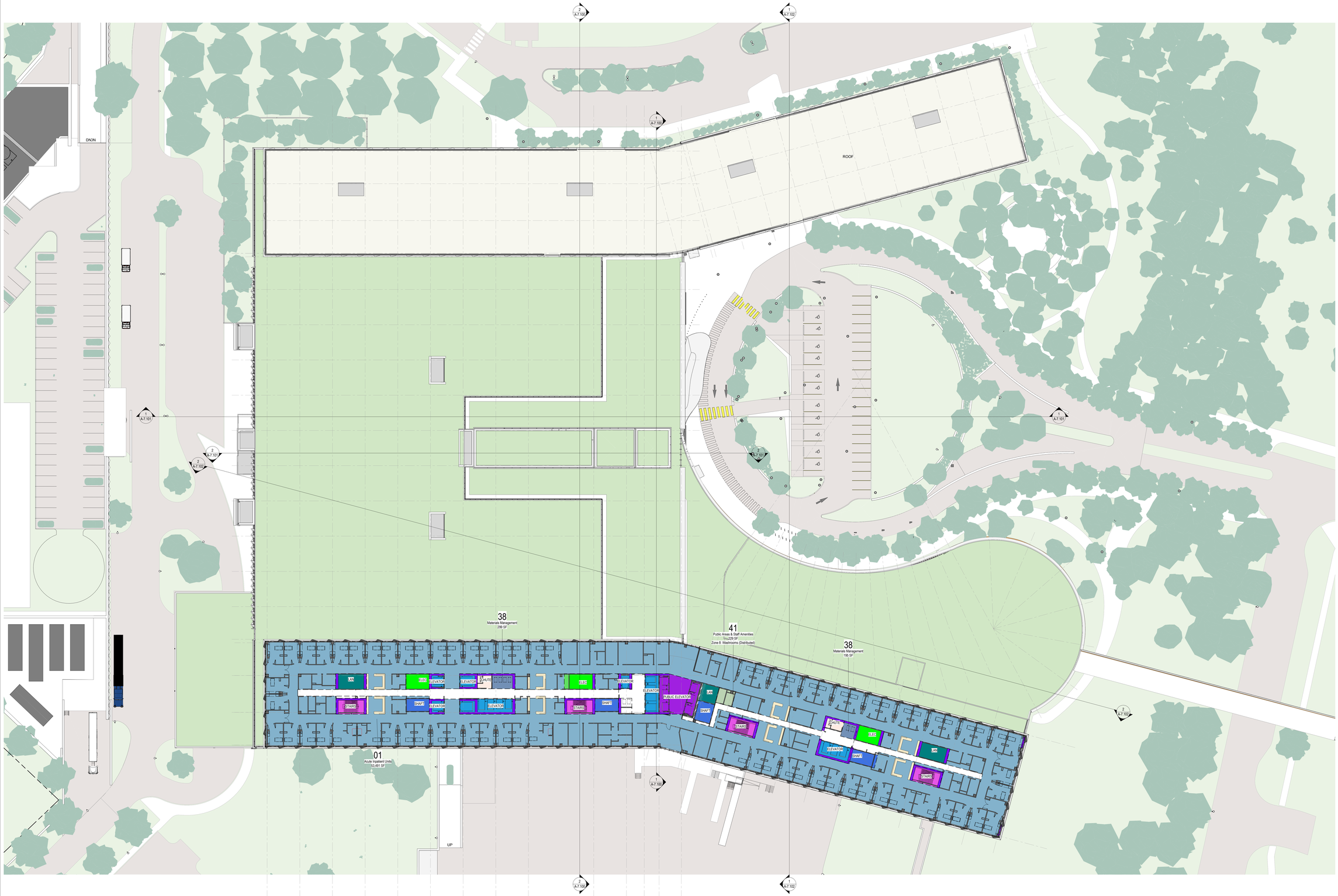
DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 09

Sheet Number

A-4.2.109

Project Status

STAGE 3



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Ottawa, Ontario K1Z 6X6

DEPARTMENT AREAS - LEVEL 10

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,491 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	229 SF

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

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

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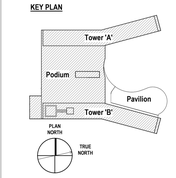

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
Civil Engineer	Civil Engineer
Structural Engineer	EXP
Mechanical Engineer	Smith + Andersen
Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-FRANÇOIS GAGNÉ
LICENCE
5517

Sheet Name

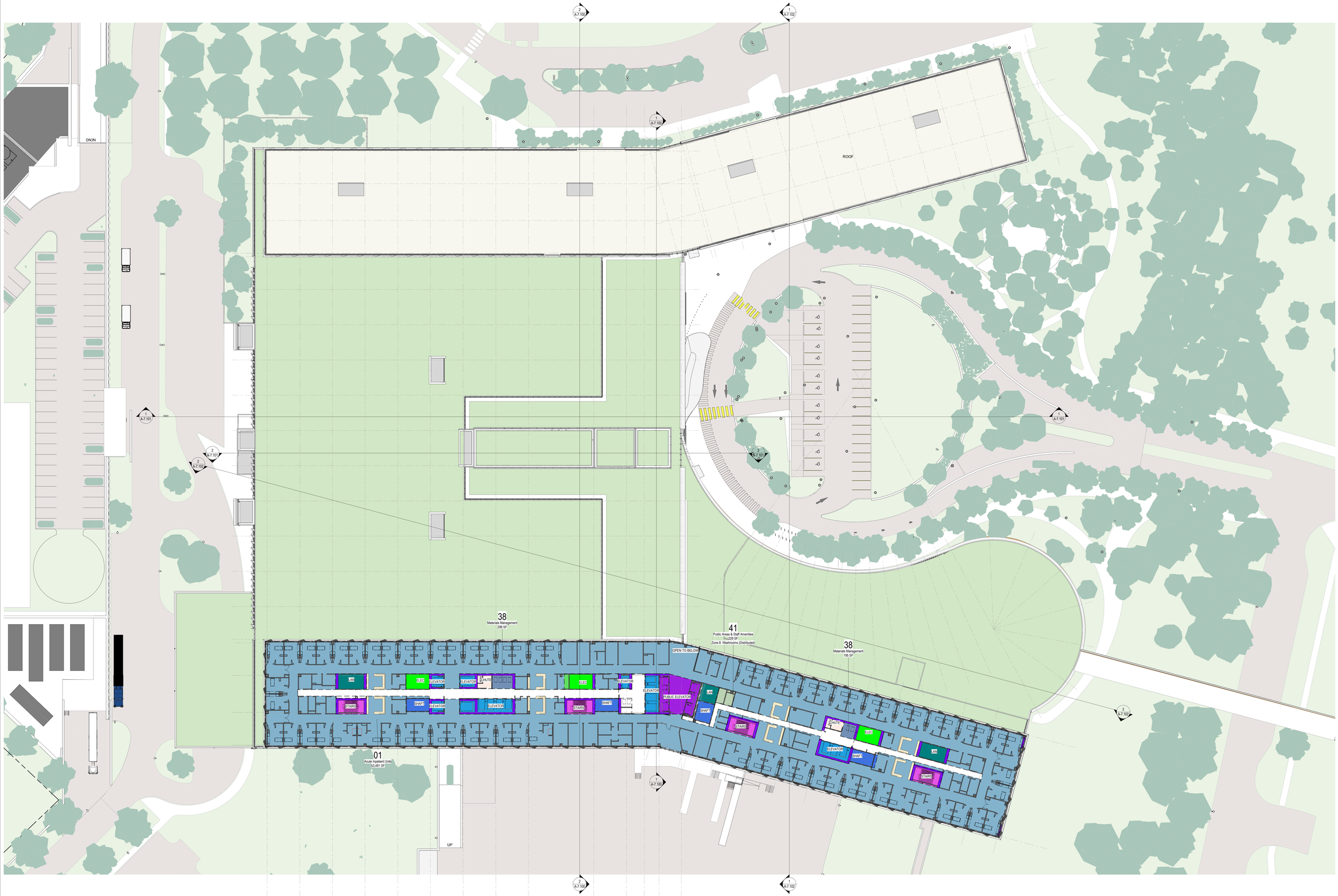
DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 10

Sheet Number

A-4.2.110

Project Status

STAGE 3



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Ottawa, Ontario K1Z 6X6

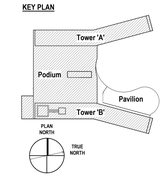
DEPARTMENT AREAS - LEVEL 11

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,491 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	229 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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-FRANÇOIS GAGNÉ
LICENCE
9517

Sheet Name

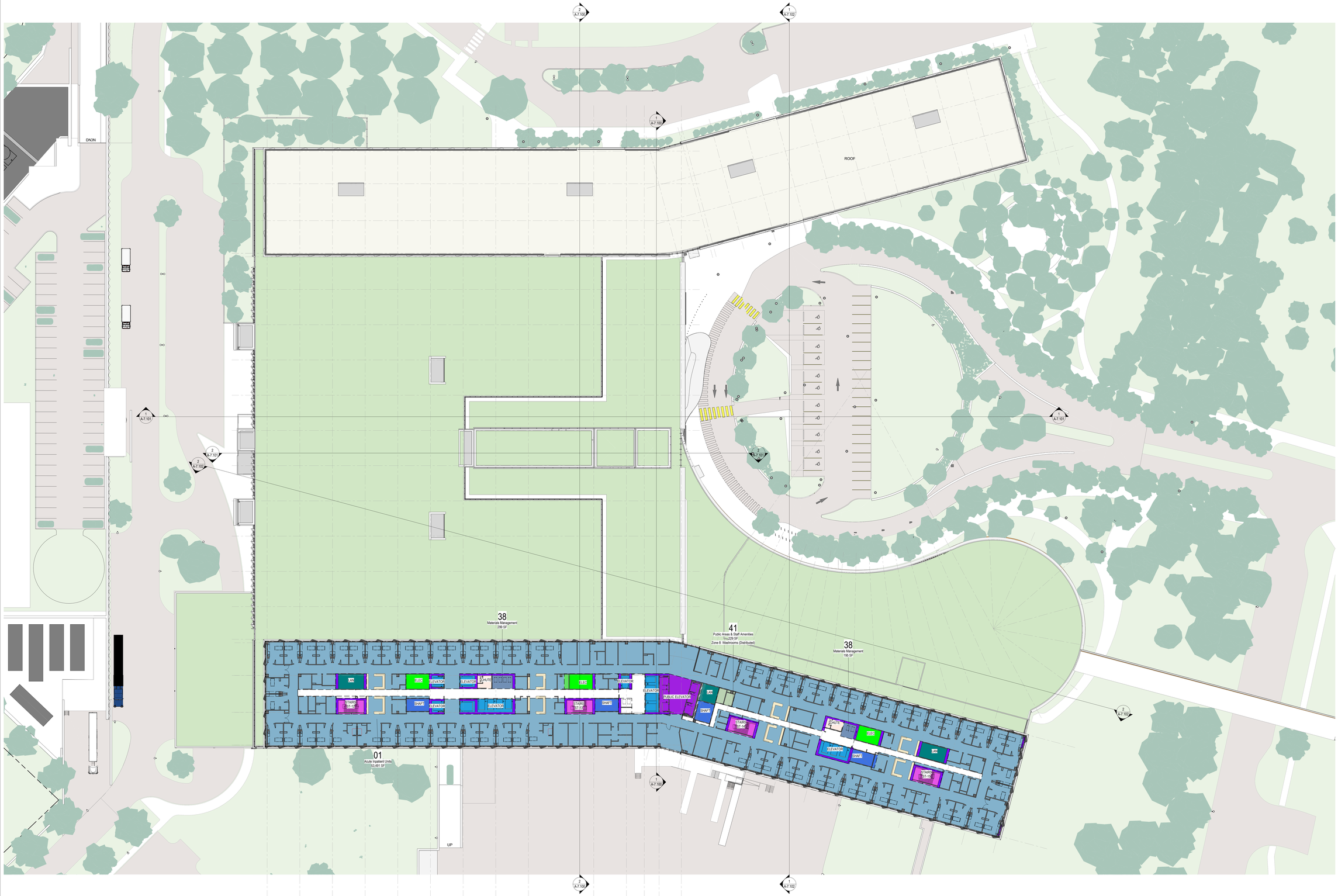
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 11

Sheet Number

A-4.2.111

Project Status

STAGE 3



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Scale 1: 300

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

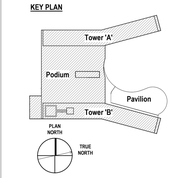
DEPARTMENT AREAS - LEVEL 12

DEPARTMENT No.	DEPARTMENT NAME	AREA (CGSF)
01	Acute Inpatient Units	53,491 SF
38	Materials Management	494 SF
41	Public Areas & Staff Amenities	229 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



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

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ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-FRANÇOIS GAGNÉ
LICENCE
5517

Sheet Name

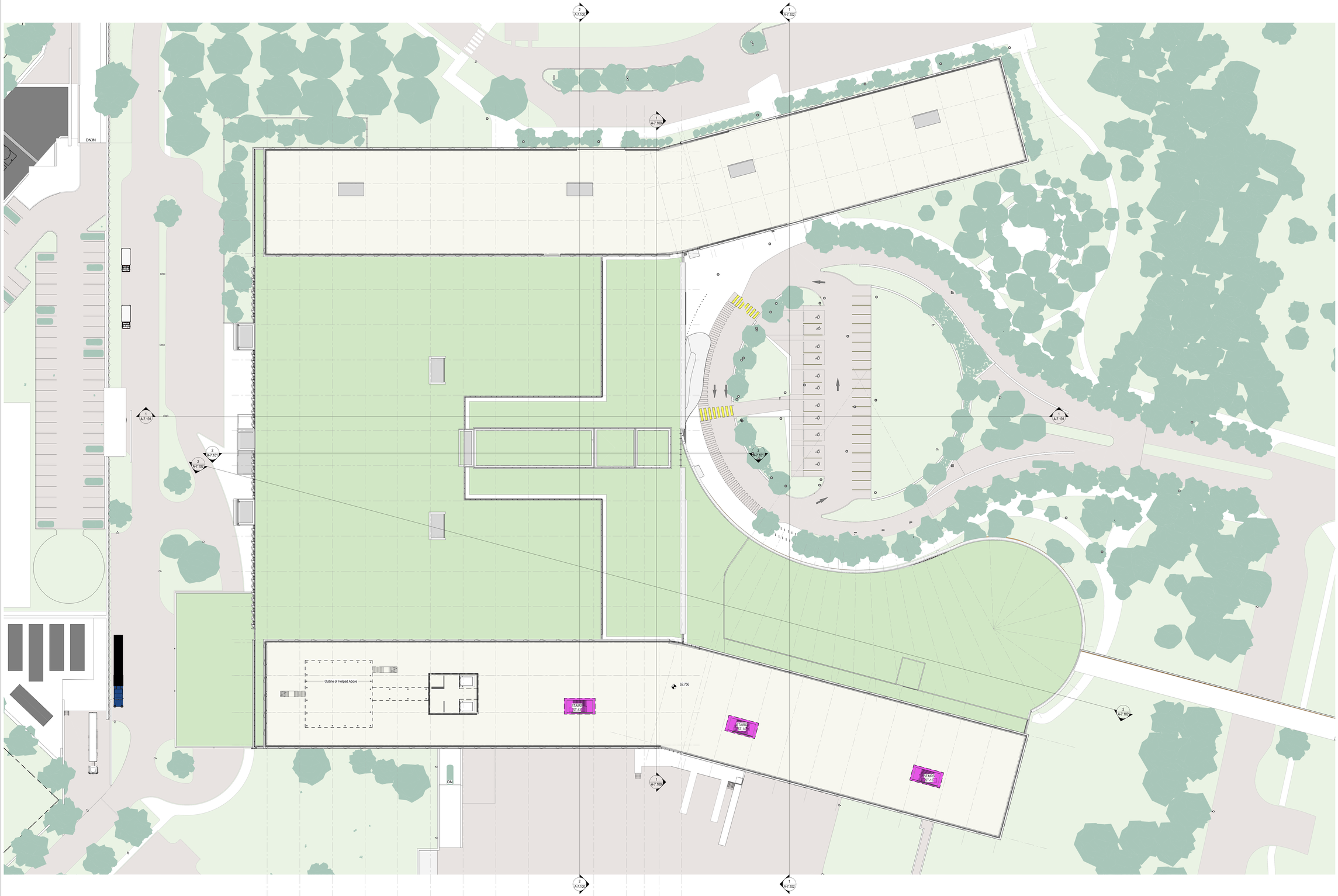
DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 12

Sheet Number

A-4.2.112

Project Status

STAGE 3



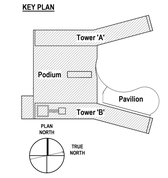
0 3m 6m 15m 30m
Scale 1: 300

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



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	05/11/22

ONTARIO ASSOCIATION OF ARCHITECTS
JOSEPH GREGORY MILLER
LICENCE
5517

Sheet Name

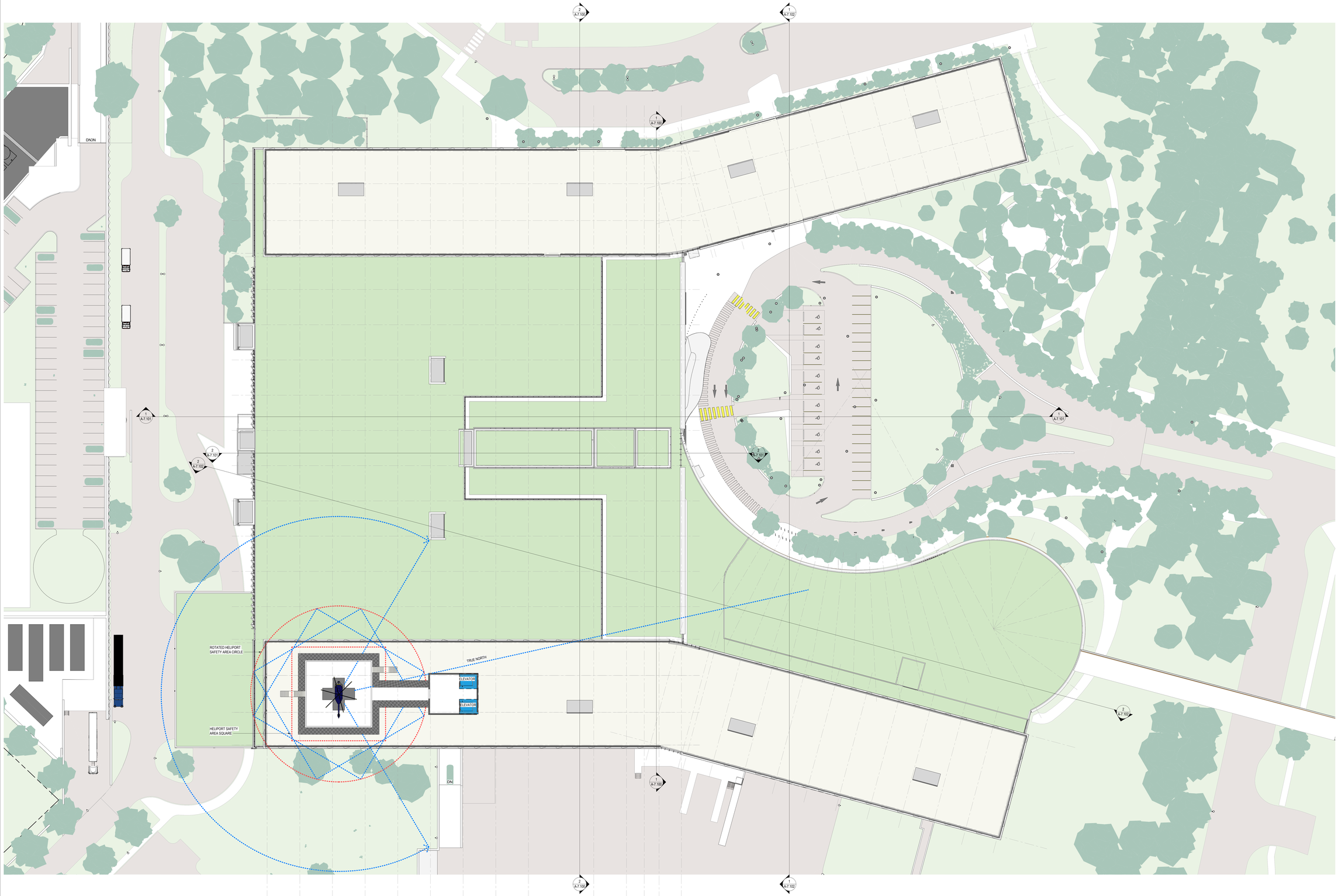
DEPARTMENTAL
GROSS OVERALL
PLAN - LEVEL 13

Sheet Number

A-4.2.113

Project Status

STAGE 3



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Scale 1: 300

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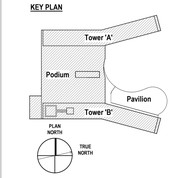
HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	09/13/22

ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-FRANÇOIS GAGNÉ
LICENCE
5517

Sheet Name

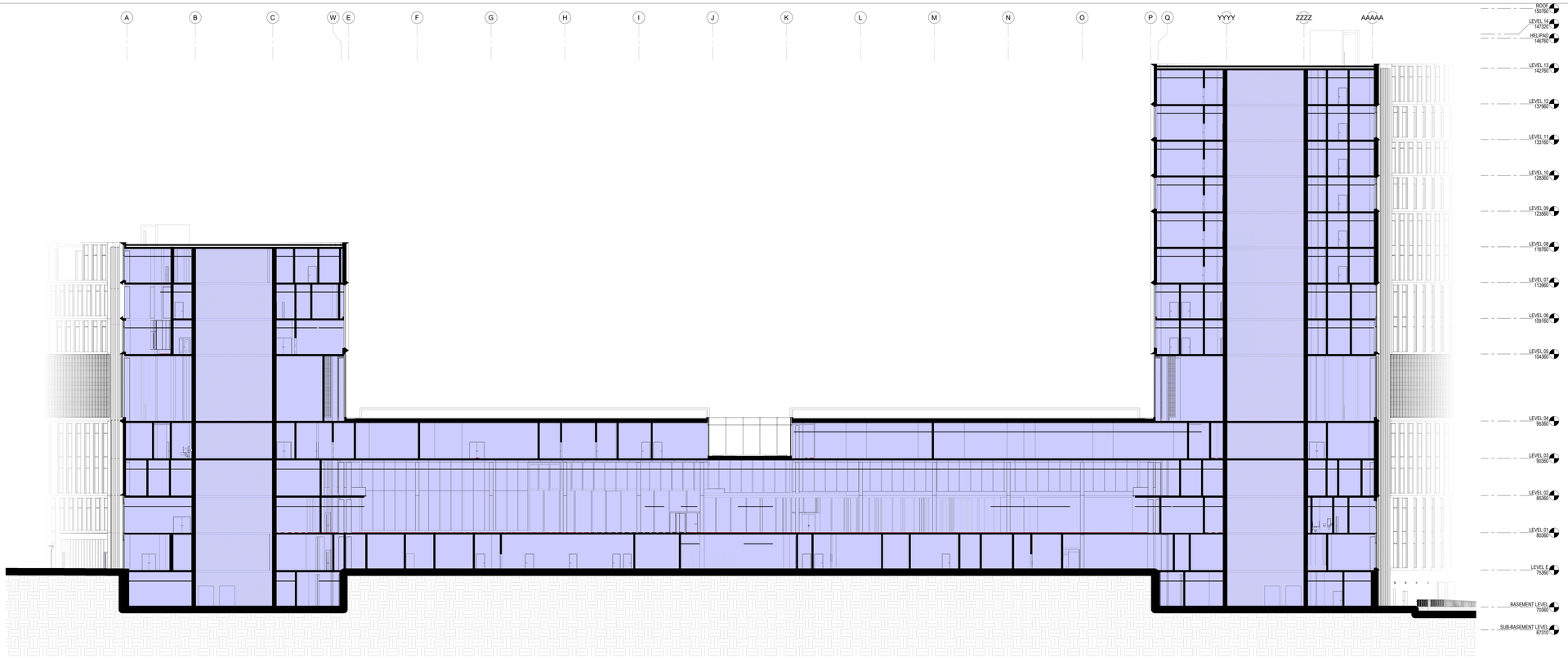
DEPARTMENTAL GROSS OVERALL PLAN - LEVEL 14

Sheet Number

A-4.2.114

Project Status

STAGE 3



1 BUILDING SECTION THRU CONCOURSE N-S
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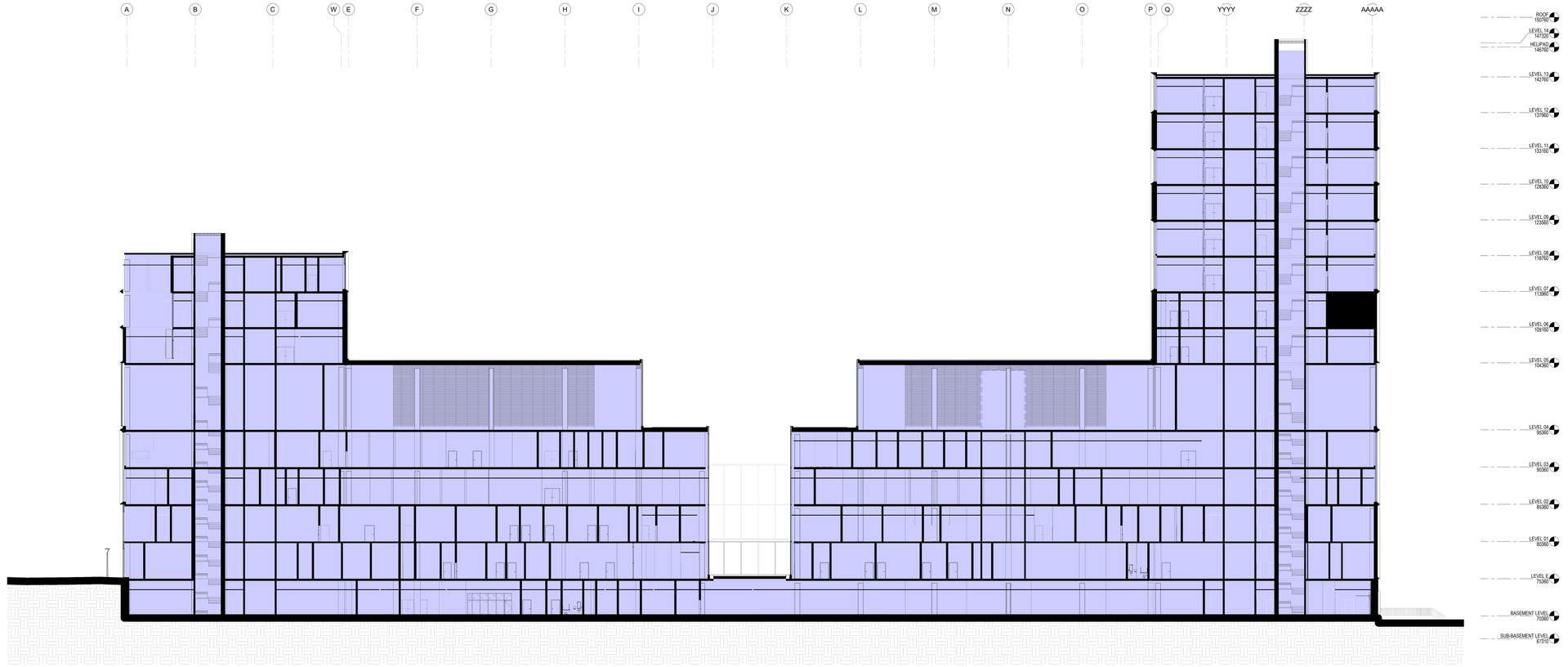

2 BUILDING SECTION THRU LIGHT WELL N-S
1 : 200

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

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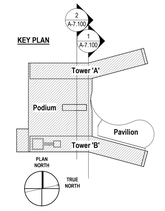
HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
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Landscape Architect	HDR
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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Project Number	10333982
Original Issue	05/26/22

ONTARIO ASSOCIATION OF ARCHITECTS — JOSEPH THOMAS — LICENCE 5517

Sheet Name

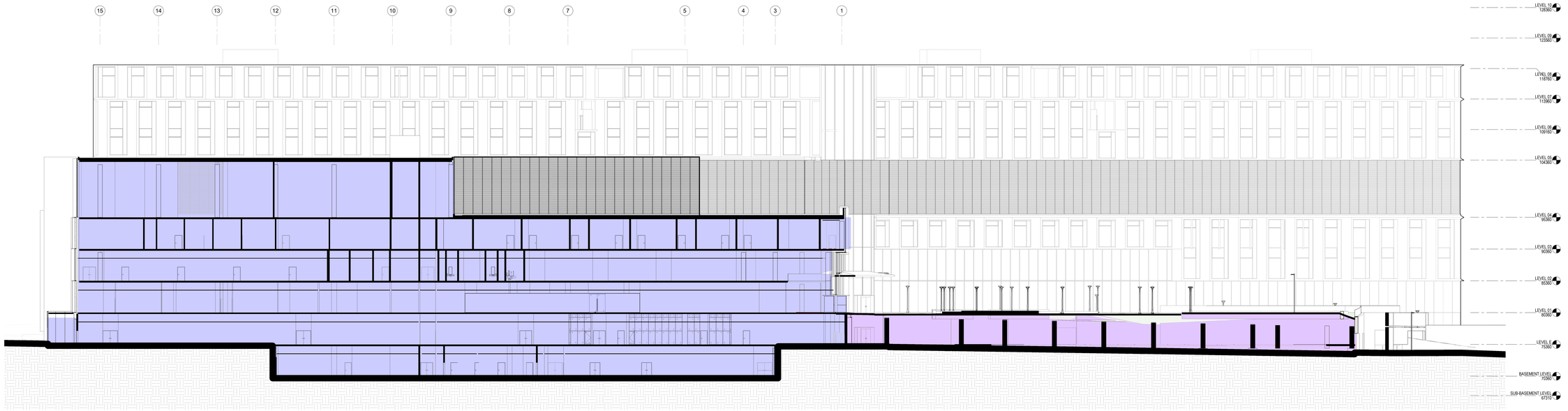
BUILDING SECTIONS

Sheet Number

A-7.100

Project Status

STAGE 3



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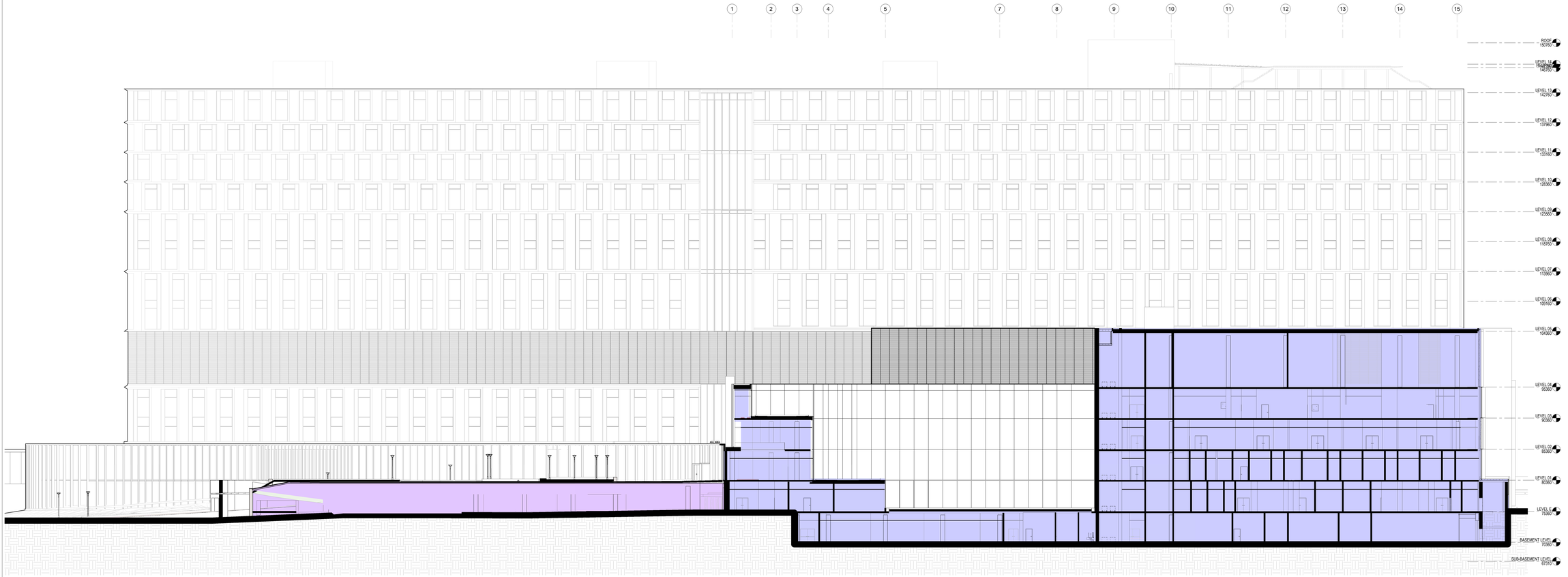

2 BUILDING SECTION THRU LIGHT WELL E-W

1 : 200

0 3m 6m 15m 30m

Scale 1: 300

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

KEY PLAN

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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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Project Number	10333982
Original Issue	05/26/22

ONTARIO ASSOCIATION OF ARCHITECTS
JEAN-FRANÇOIS GAGNON
LICENCE
9517

Sheet Name

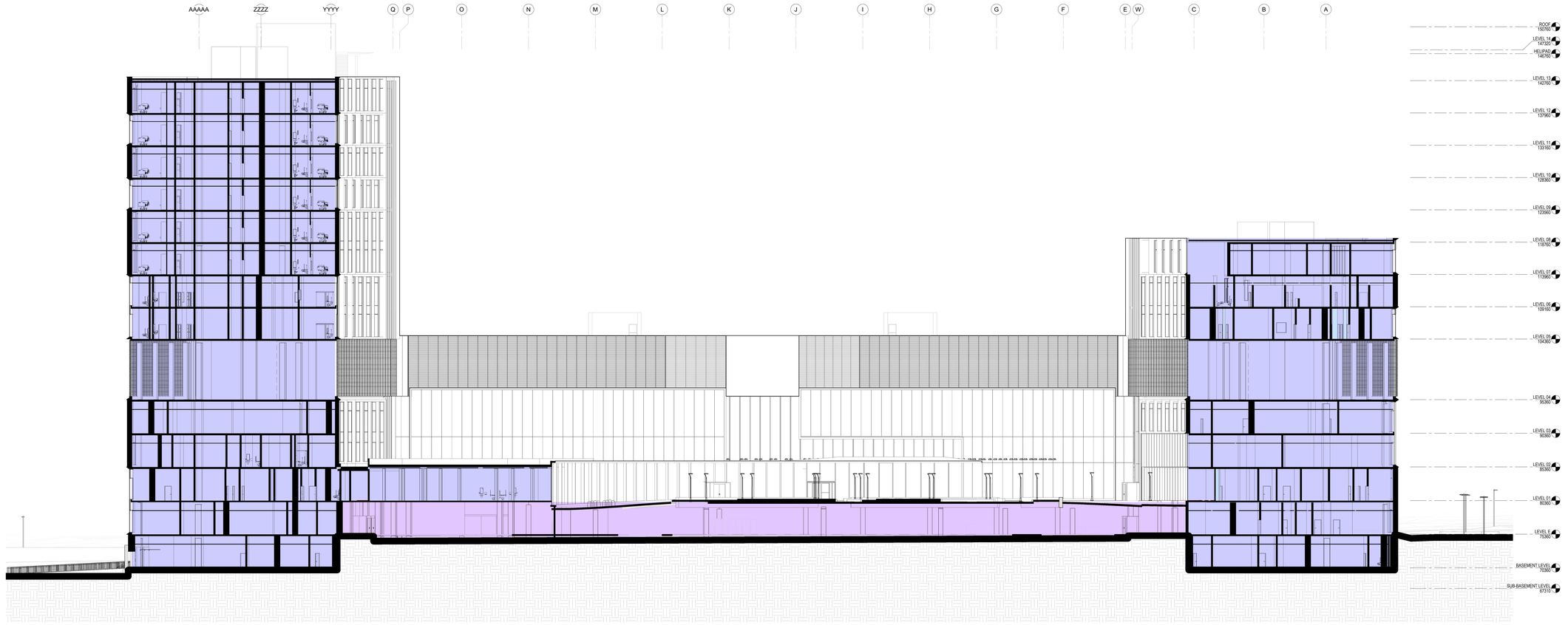
BUILDING SECTIONS

Sheet Number

A-7.101

Project Status

STAGE 3



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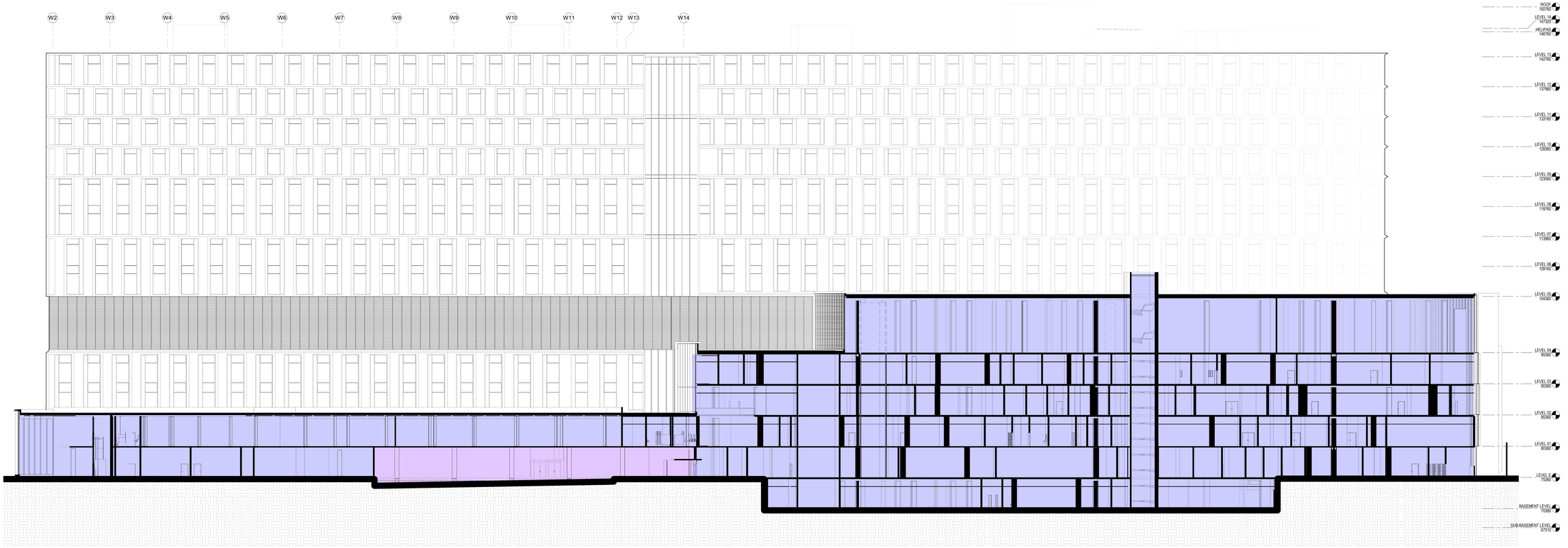

2 BUILDING SECTION - PAVILION - N/S
1 : 200

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

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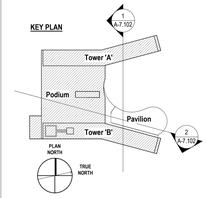
NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Project Manager	MR
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Project Architect	JEG
Landscape Architect	HDR
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
1	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	08/31/22

ONTARIO ASSOCIATION OF ARCHITECTS
JOSEPH GERARD EDWARD MILLAN
LICENCE
5517

Sheet Name

BUILDING SECTIONS

Sheet Number

A-7.102

Project Status

STAGE 3

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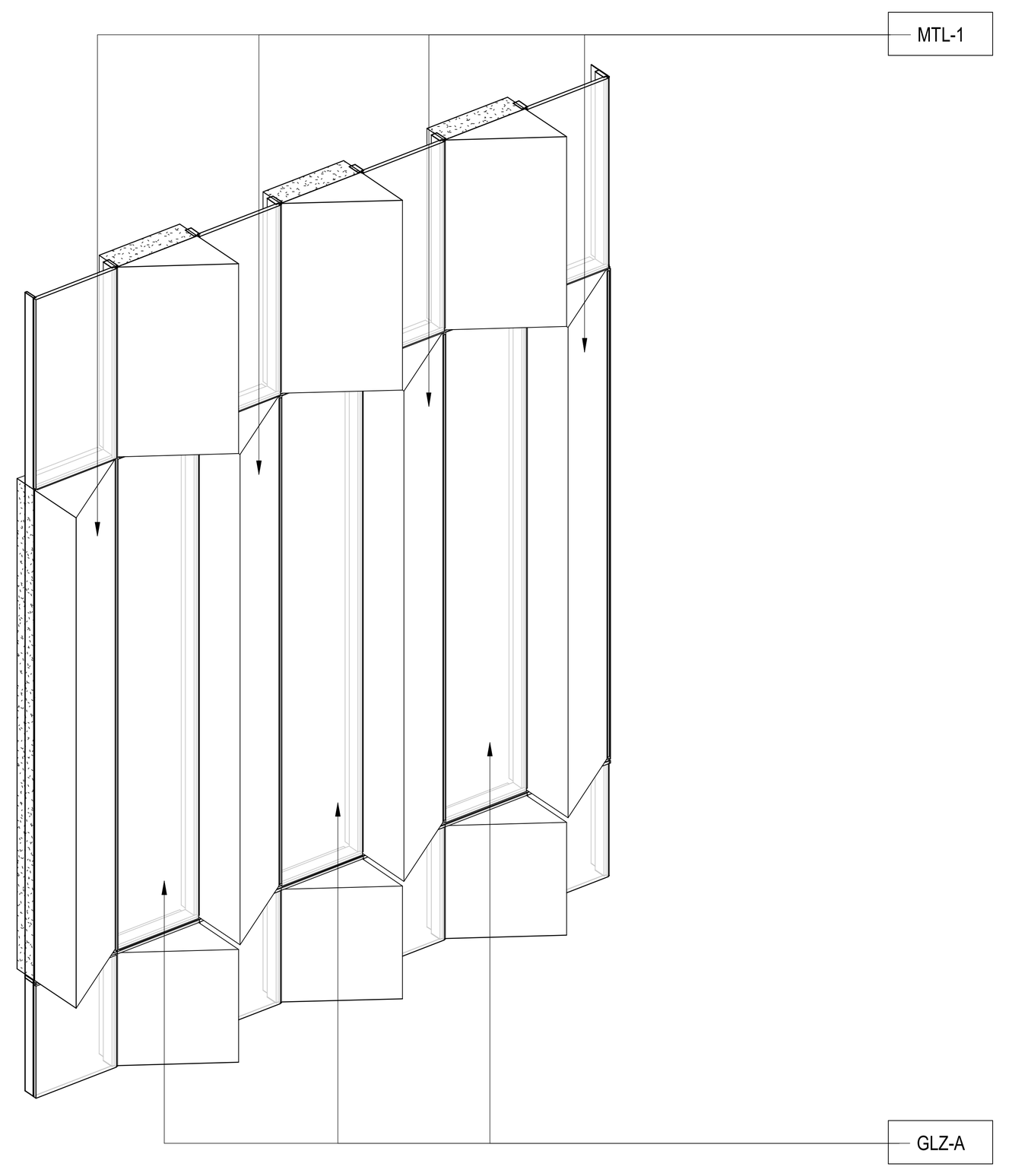
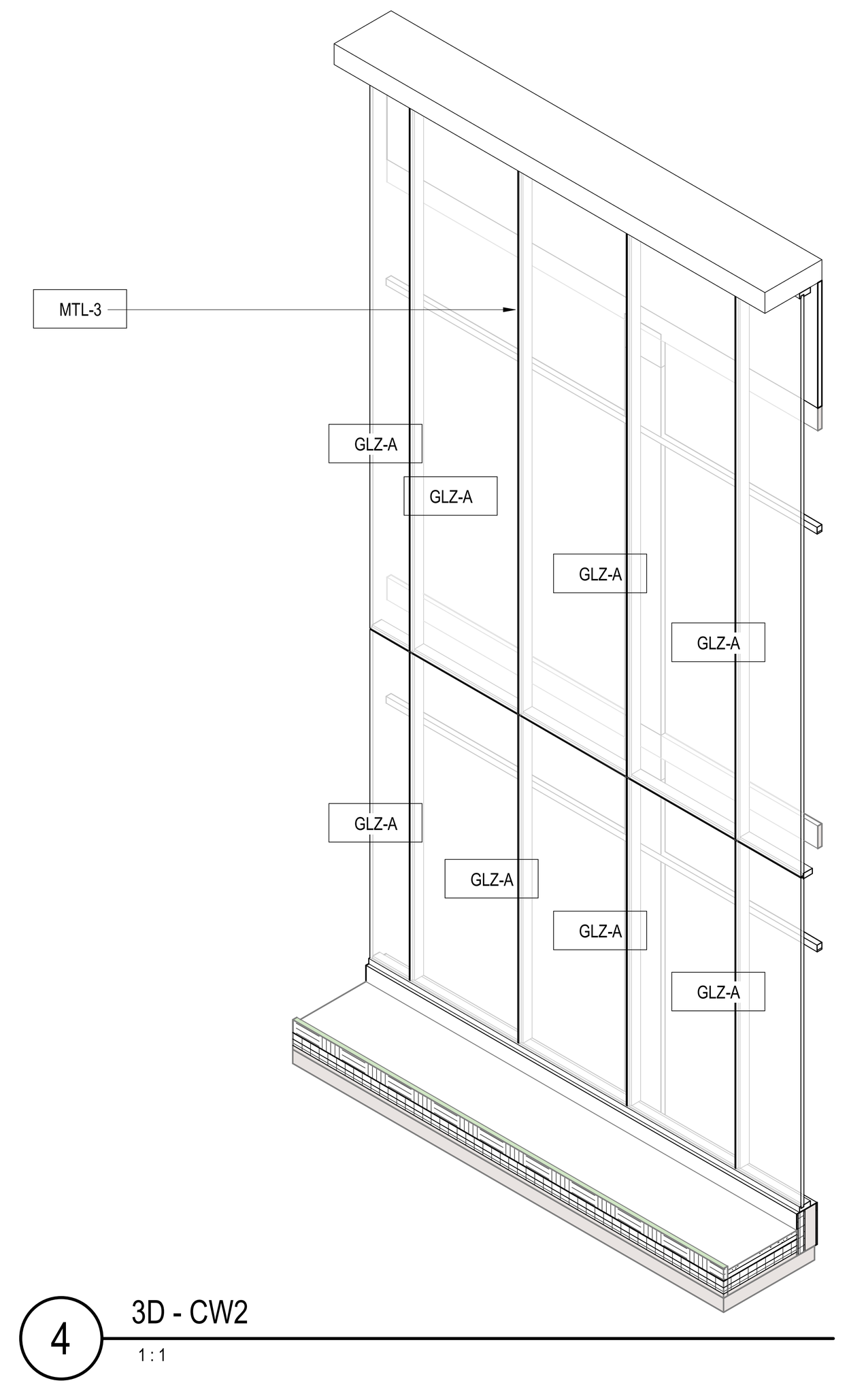
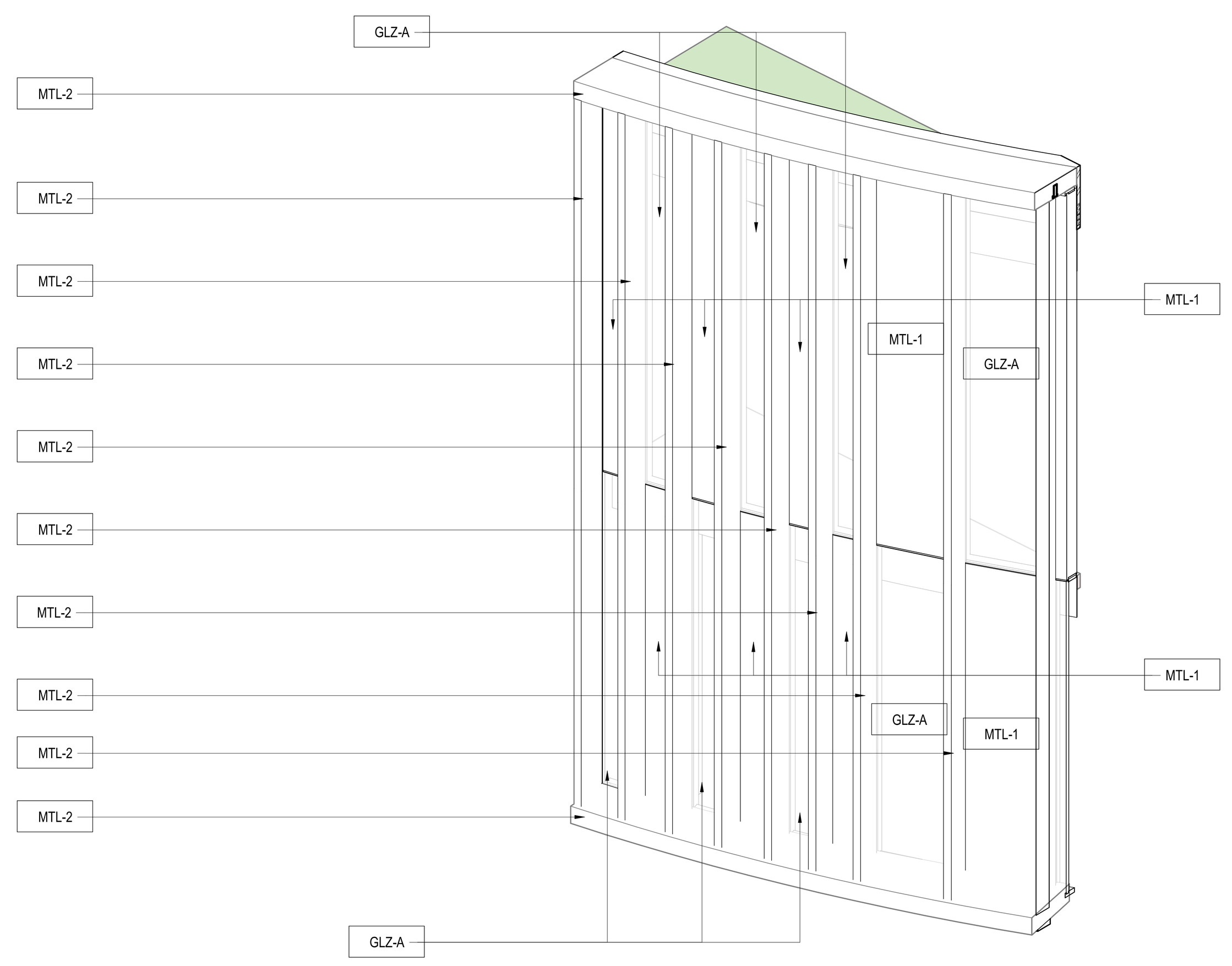


5 3D - CW6
1 : 1

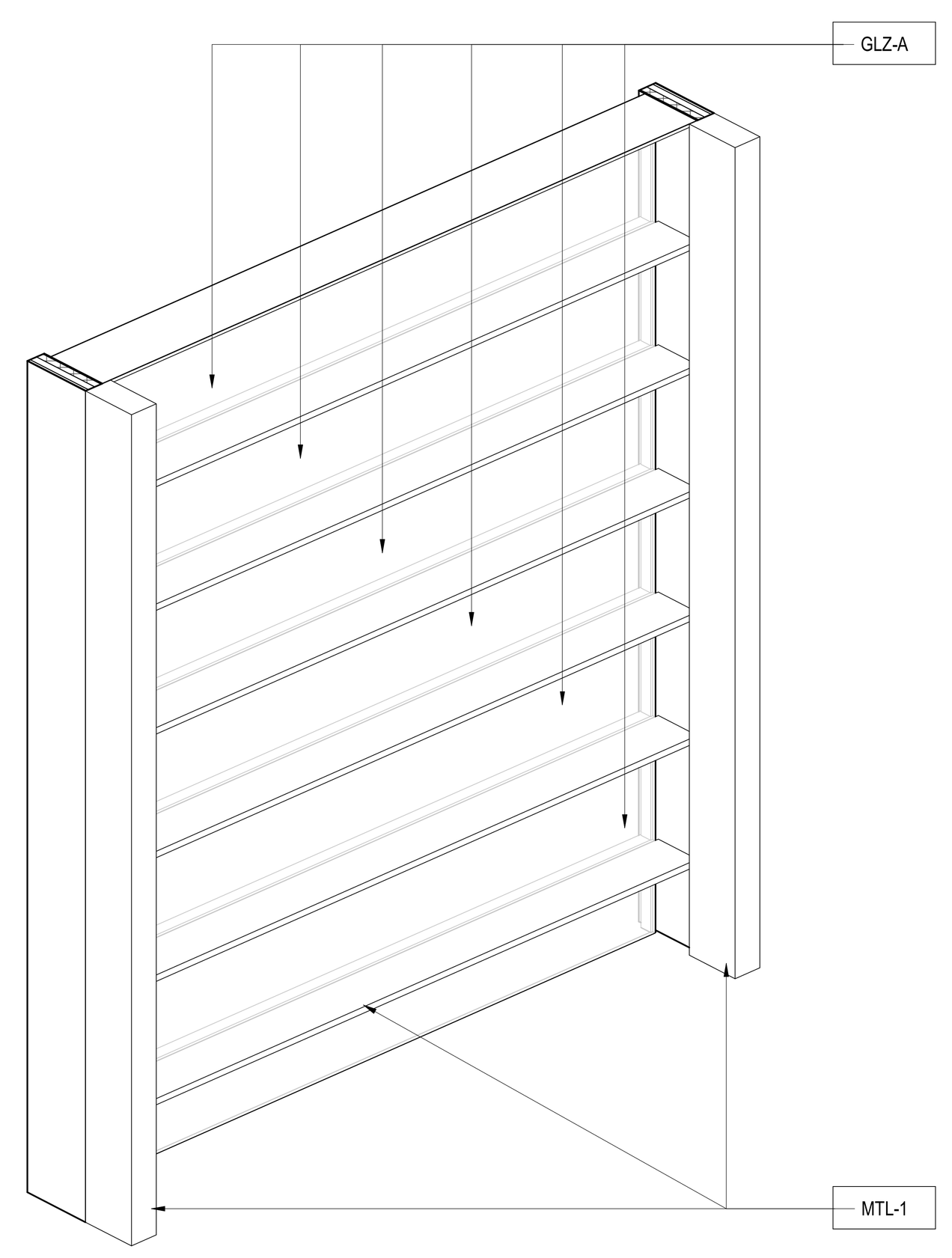


4 3D - CW2
1 : 1

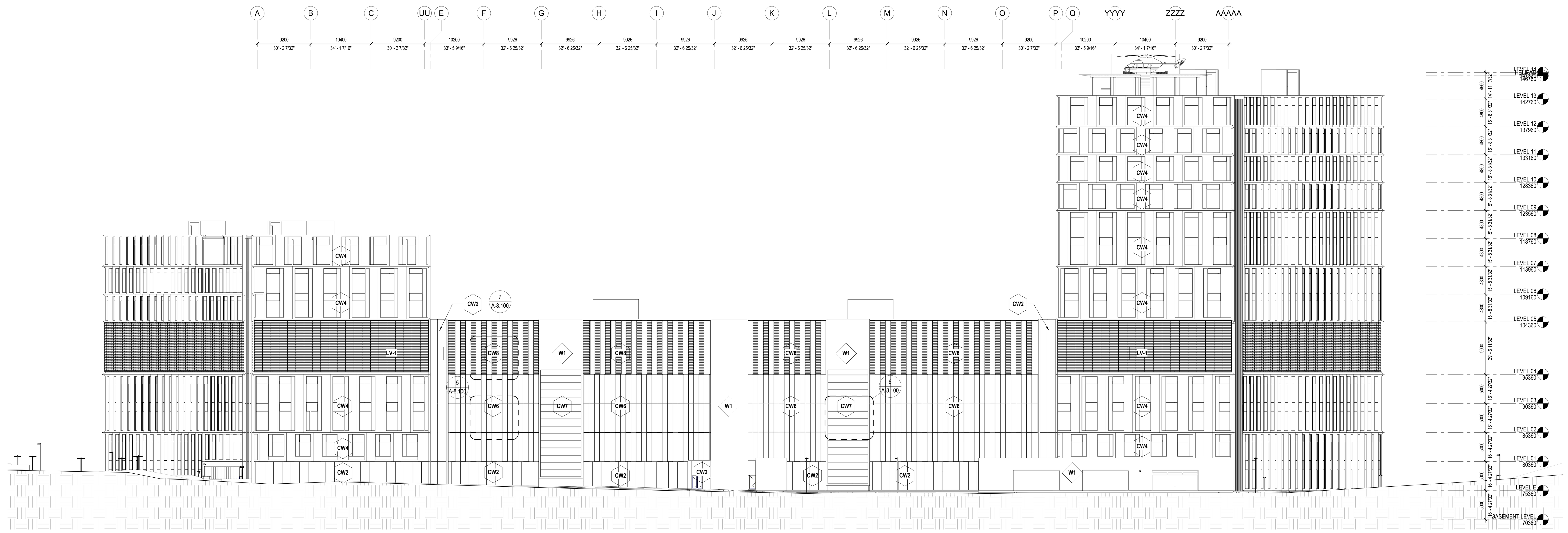


3 3D - CW3
1 : 1

CW1	SSG Curtain Wall Casette Assembly - High Span Structural Steel Supported
CW2	SSG Curtain Wall Assembly
CW3	Fully Captured Curtain Wall Assembly w/ 6" Fin
CW4	Unitized Wall Panel w/ Zero-Sightline Glazing, Spandrel Shadow box and Formed Metal Panel Assembly
CW5	Fully Captured Curtain Wall Casette Assembly w/ 6" 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
CW7	Unitized Wall Panel w/ LV-1 and Formed Metal Panel Assembly
W1	Solid Exterior Rainscreen Assembly w/ Thermally Broken Clips
MTL-1	Alum. Pl. or ACM - Clear anodized
MTL-2	Alum. Pl. or ACM - Bronze anodized
MTL-3	Alum. Pl. or ACM - Charcoal anodized
GLZ-A	Triple IGU Vision Glazing: Low-Iron (w/ BIRD1ST Etch 17, Low-E), Low-Iron, Low-Iron Tempered
GLX-A	Triple IGU Spandrel Glazing: Low-Iron (w/ BIRD1ST Etch 17, Low-E), Low-Iron, Low-Iron Tempered
LV-1	Louvers



6 3D - CW7
1 : 1



1 SOUTH ELEVATION
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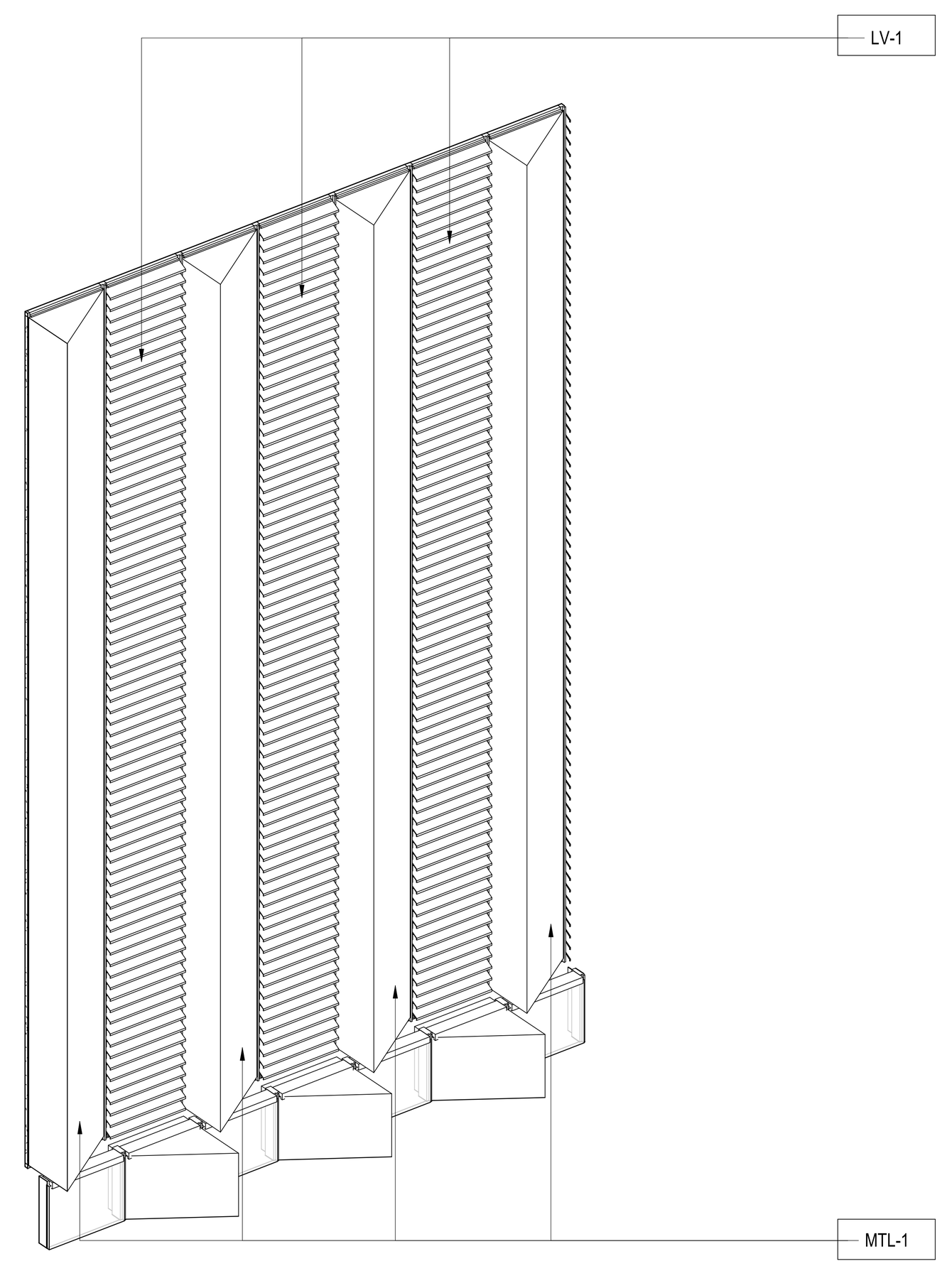
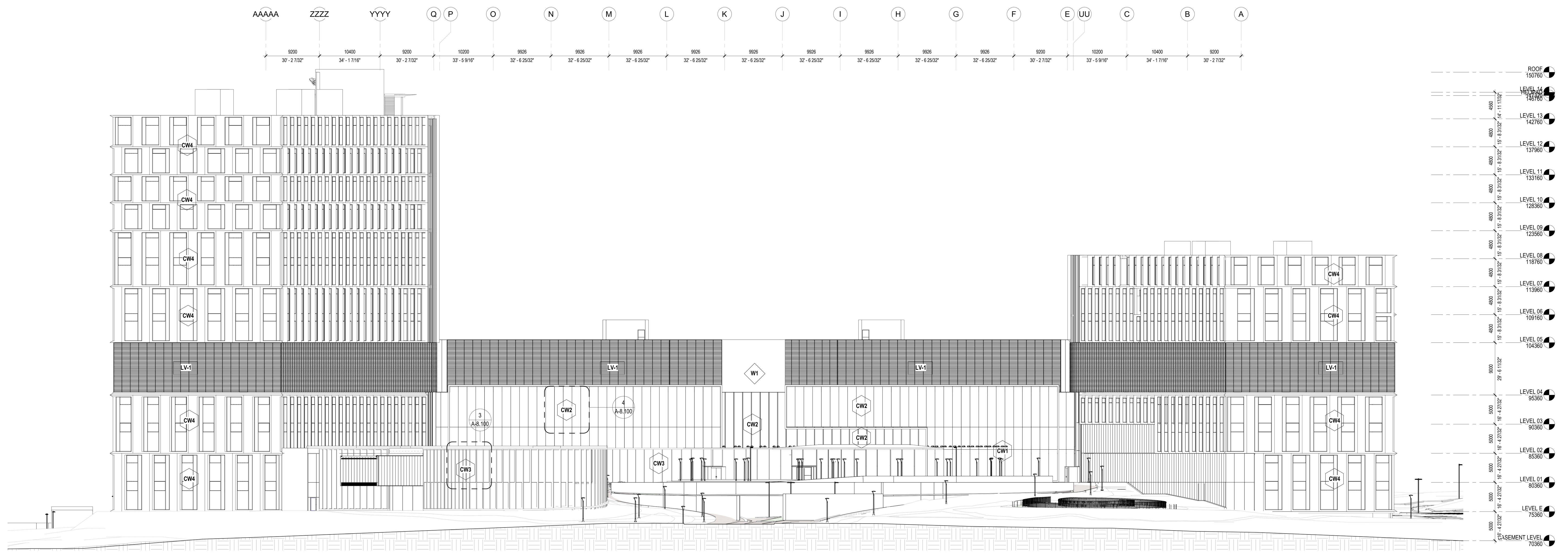


7 3D - CW8
1 : 1



2 NORTH ELEVATION
1 : 300

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Scale 1: 300

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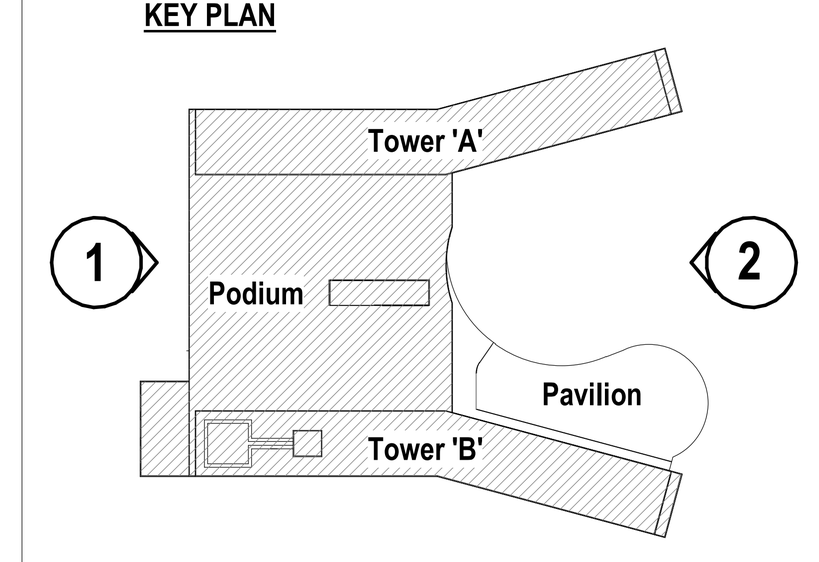
300 Richmond Road, Suite 200
Ottawa, Ontario K1Z 6X6

THE OTTAWA HOSPITAL NEW CAMPUS DEVELOPMENT - HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-06-13	ISSUED FOR COSTING
2	2022-06-30	ISSUED FOR 3A1-1
3	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number 10333982
Original Issue 02/01/22

Sheet Name
NORTH & SOUTH ELEVATIONS

Sheet Number
A-8.100

Project Status
STAGE 3

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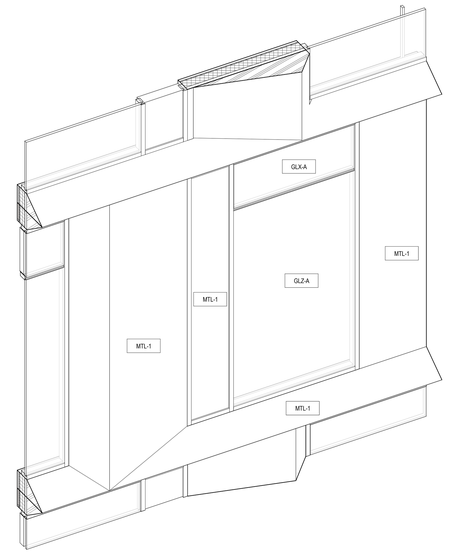

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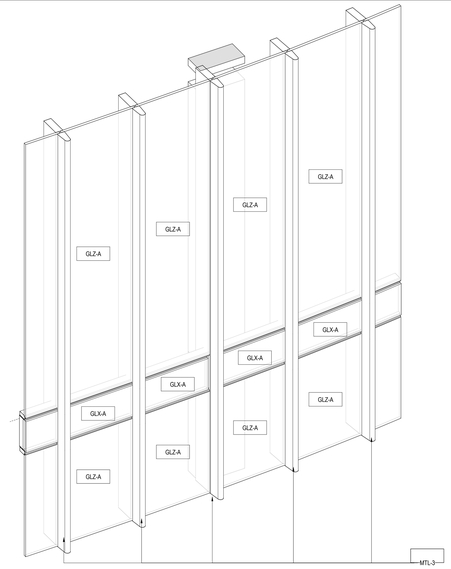
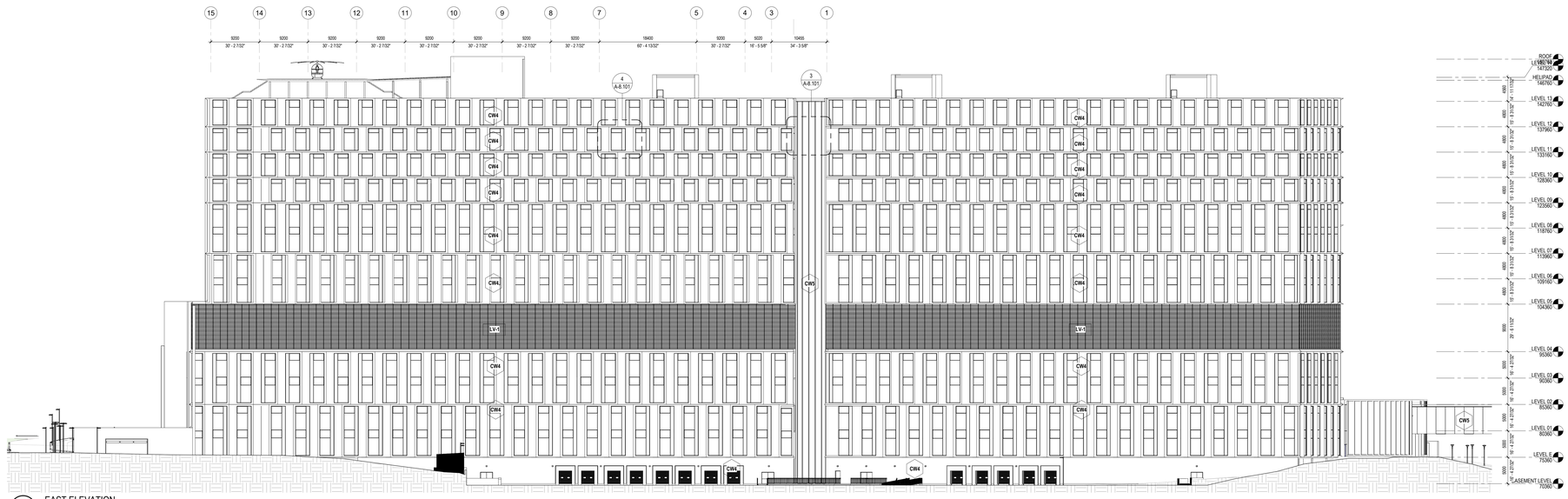


3 3D - CW5
1 : 1

CW1		SSG Curtain Wall Casette Assembly - High Span Structural Steel Supported
CW2		SSG Curtain Wall Assembly
CW3		Fully Captured Curtain Wall Assembly w/ 6" Fin
CW4		Unitized Wall Panel w/ Zero-Sightline Glazing, Spandrel Shadow box and Formed Metal Panel Assembly
CW5		Fully Captured Curtain Wall Casette Assembly w/ 6" 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
CW7		Unitized Wall Panel w/ LV-1 and Formed Metal Panel Assembly
W1		Solid Exterior Rainscreen Assembly w/ Thermally Broken Clips
MTL-1		Alum. Pl. or ACM - Clear anodized
MTL-2		Alum. Pl. or ACM - Bronze anodized
MTL-3		Alum. Pl. or ACM - Charcoal anodized
GLZ-A		Triple IGU Vision Glazing: Low-Iron (w/ BIRD1ST Etch 17, Low-E), Low-Iron, Low-Iron Tempered
GLX-A		Triple IGU Spandrel Glazing: Low-Iron (w/ BIRD1ST Etch 17, Low-E), Low-Iron, Low-Iron Tempered
LV-1		Louvers



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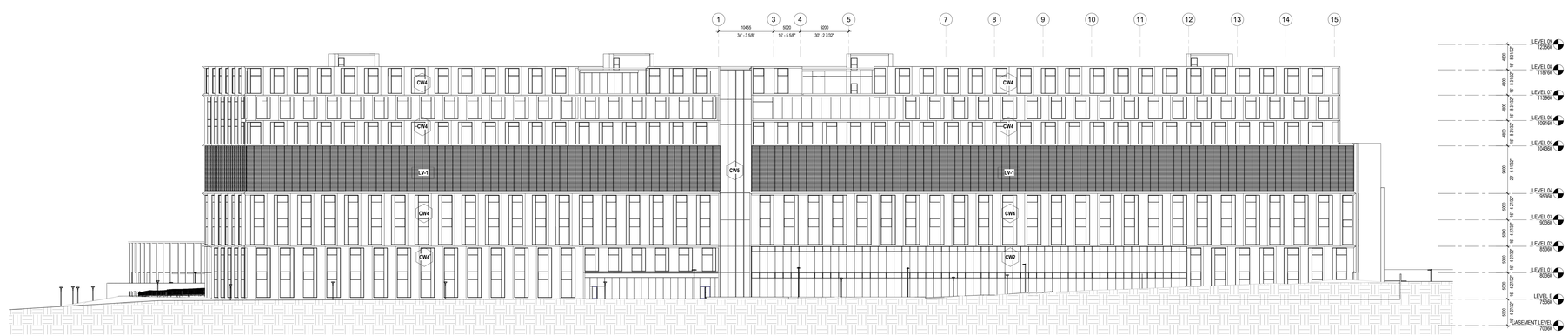

2 WEST ELEVATION
1 : 300

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

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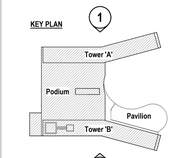
NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



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

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3	2022-09-23	ISSUED FOR PRE-CONSULTATION

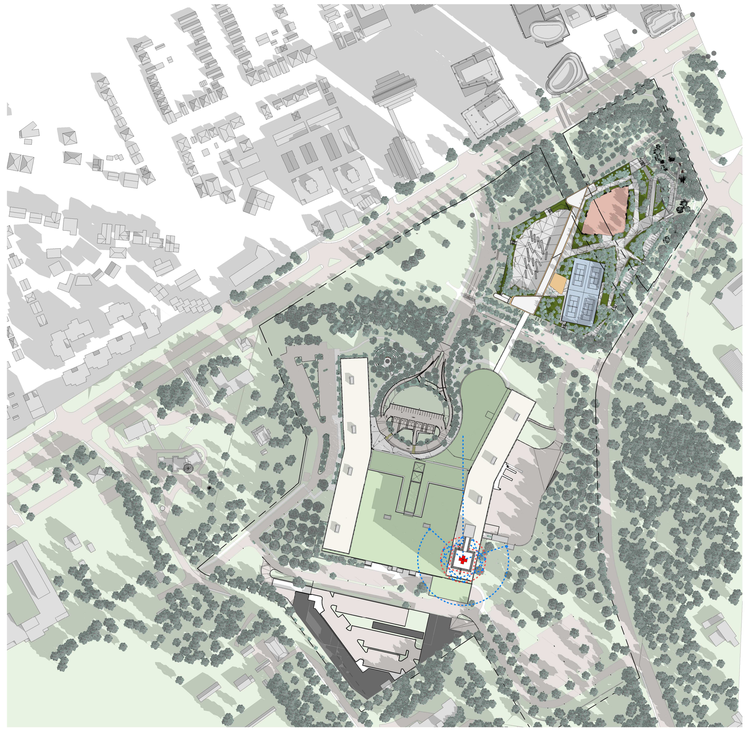
Project Number	103339982
Original Issue	02/01/22

ONTARIO ASSOCIATION OF ARCHITECTS LICENCE 5513

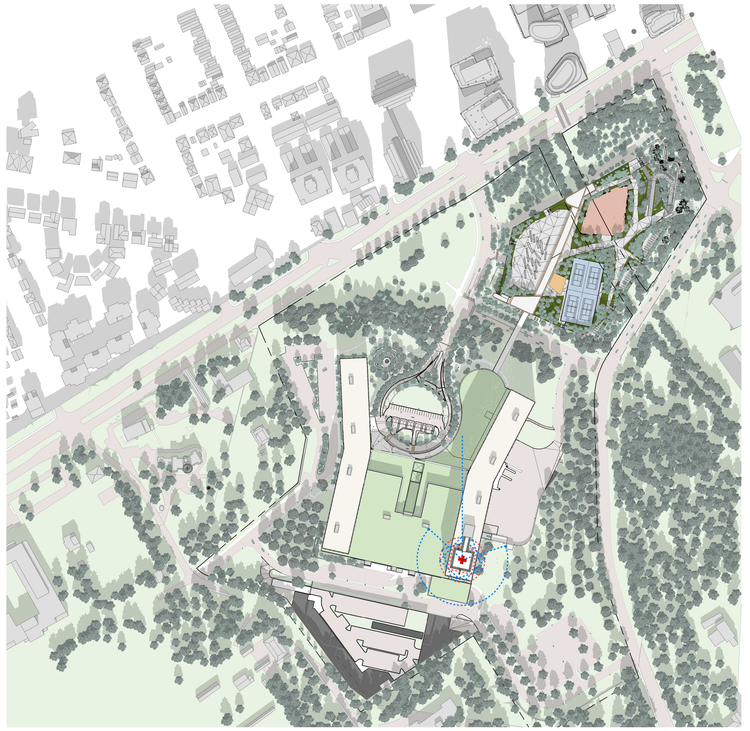
Sheet Name
EAST & WEST ELEVATIONS

Sheet Number
A-8.101

Project Status
STAGE 3



4 SUN & SHADOW STUDY - MARCH 1st @ 9AM
1 : 2000



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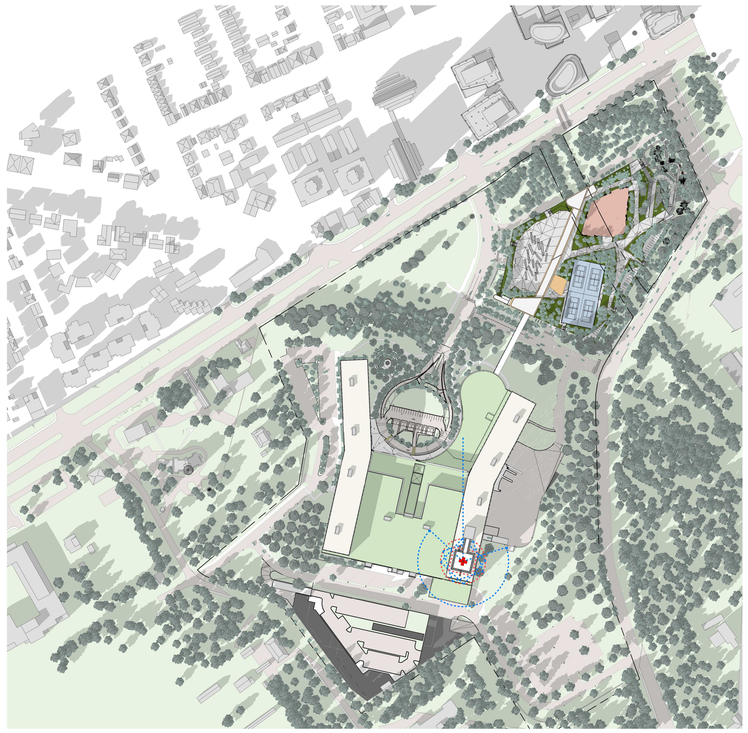

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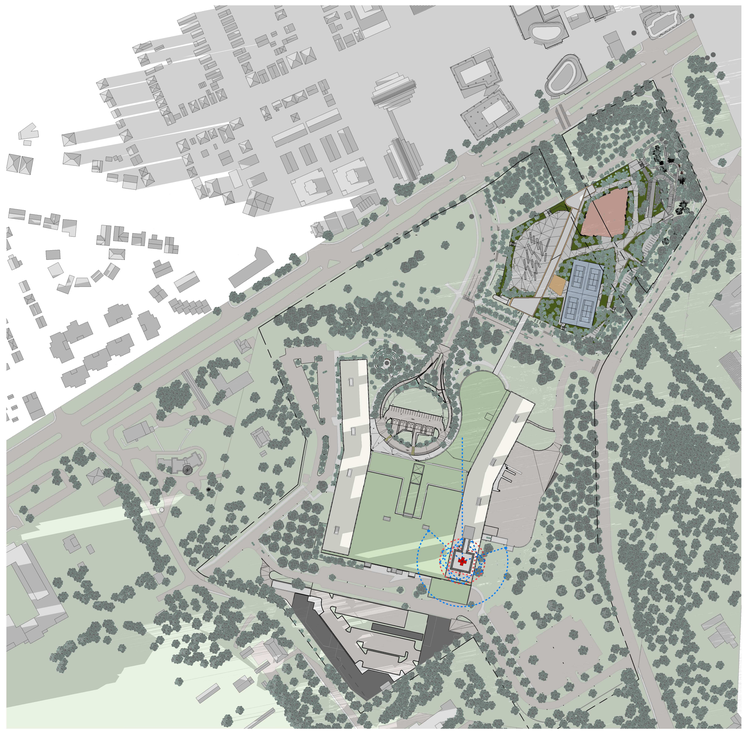
1 : 2000



1 SUN & SHADOW STUDY - MARCH 1st @ 6PM
1 : 2000

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Scale 1: 2000

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Ottawa, Ontario K1Z 6X6

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TRUE NORTH
PLAN NORTH

Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE 5517

Sheet Name

SUN & SHADOW STUDY - MARCH 1st

Sheet Number

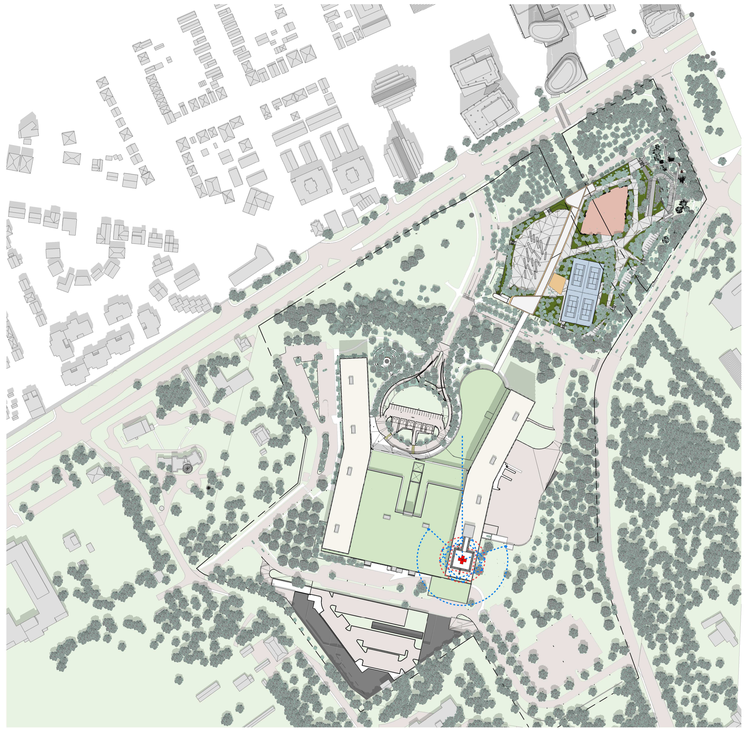
AS-2.300

Project Status

STAGE 3

9/22/2022 3:53:38 PM BIM 360://10333982_TOH New CF PDC_2021/10333982_TOH_CC_PDC_ARCH_RVT2021.rvt

4 SUN & SHADOW STUDY - JUNE 1st @ 9AM
1 : 2000



3 SUN & SHADOW STUDY - JUNE 1st @ 12PM
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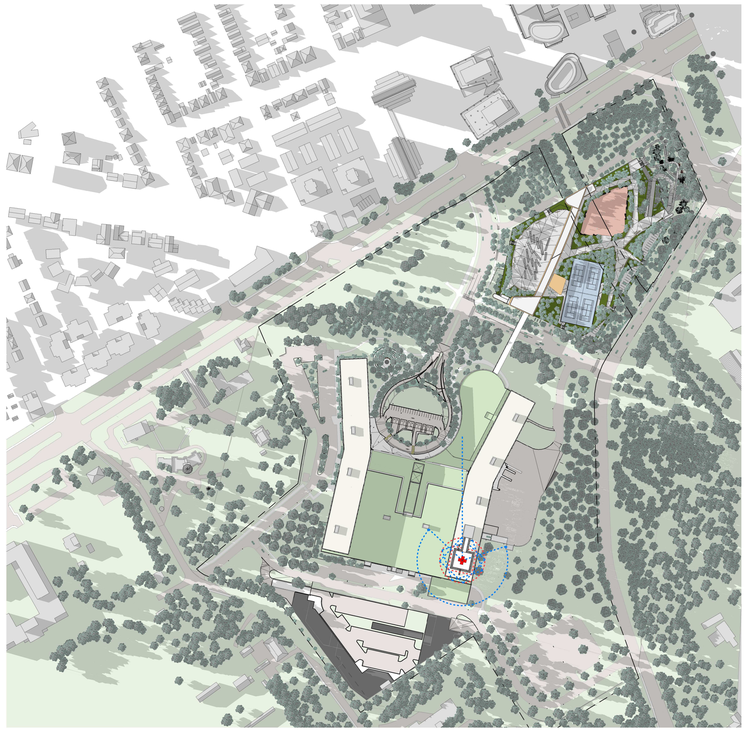
2 SUN & SHADOW STUDY - JUNE 1st @ 3PM
1 : 2000



1 SUN & SHADOW STUDY - JUNE 1st @ 6PM
1 : 2000

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

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

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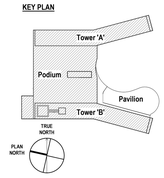
HOSPITAL & CUP

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

KEY PLAN



Project Manager	MR
Project Designer	JEG
Project Architect	JEG
Landscape Architect	HDR
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
1	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE 5517

Sheet Name

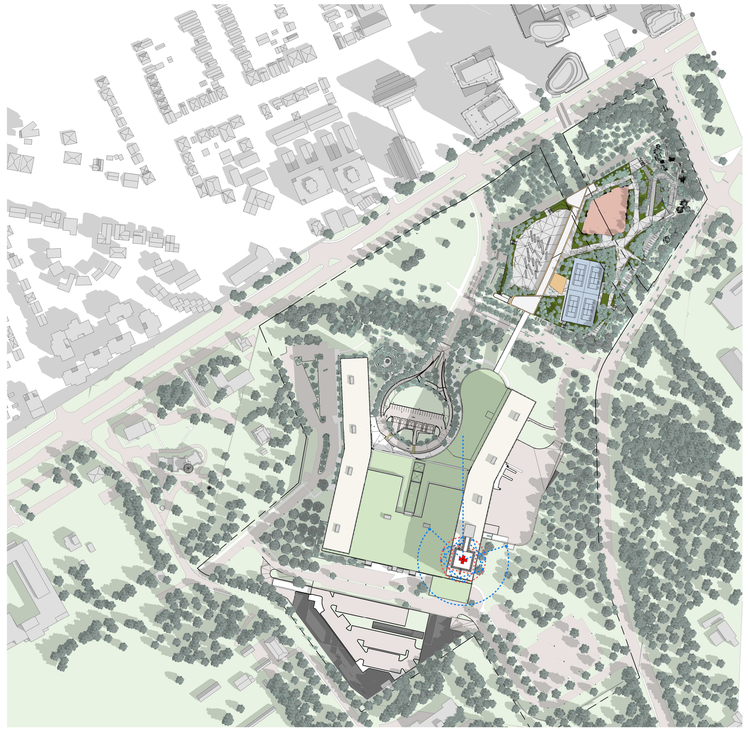
SUN & SHADOW STUDY - JUNE 1st

Sheet Number

AS-2.301

Project Status

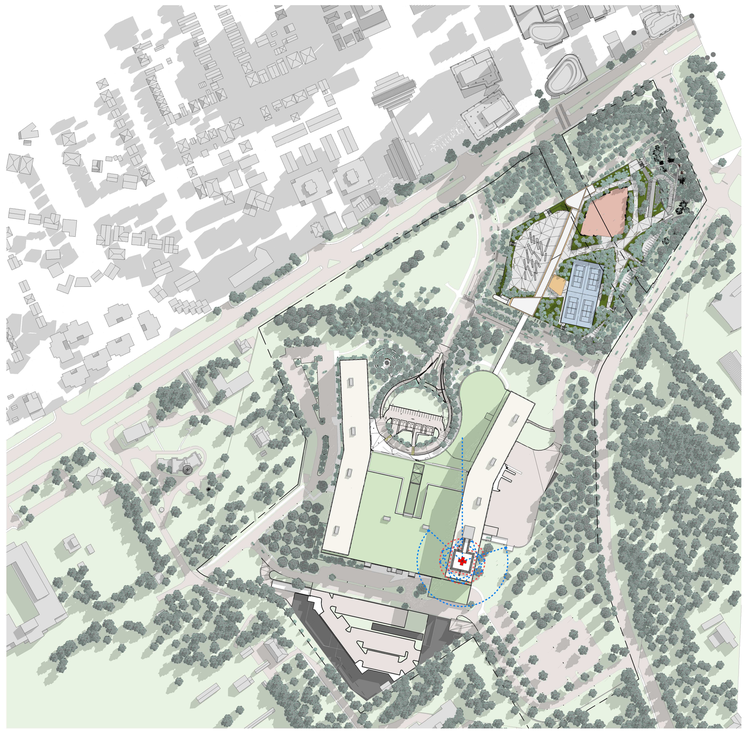
STAGE 3



4 SUN & SHADOW STUDY - SEPTEMBER 1st @ 9AM
1 : 2000

3 SUN & SHADOW STUDY - SEPTEMBER 1st @ 12PM
1 : 2000

2 SUN & SHADOW STUDY - SEPTEMBER 1st @ 3PM
1 : 2000



1 SUN & SHADOW STUDY - SEPTEMBER 1st @ 6PM
1 : 2000

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Scale 1: 2000

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

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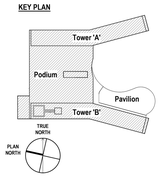
NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Project Manager	MR
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Project Architect	JEG
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Sheet Reviewer	Author

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1	2022-09-23	ISSUED FOR PRE-CONSULTATION

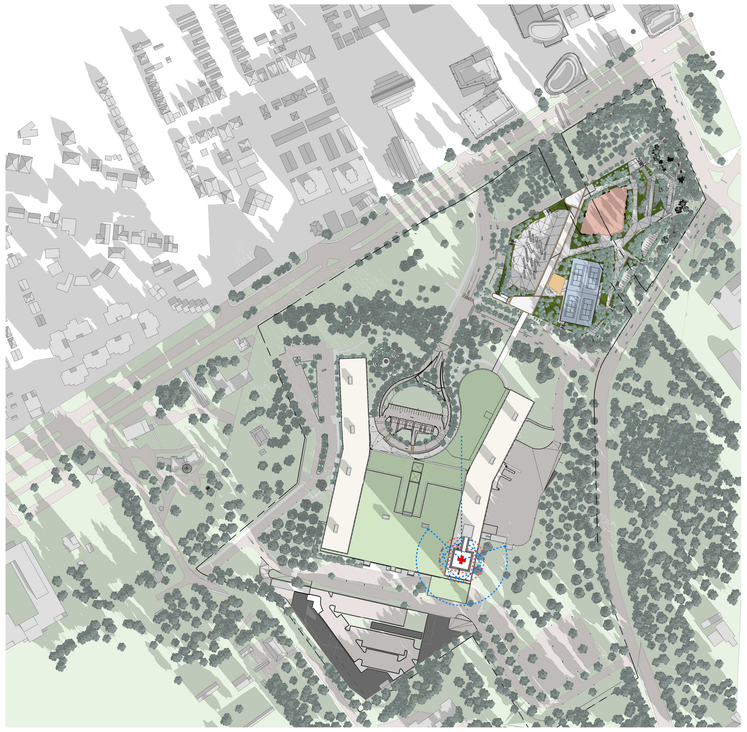
Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE 5517

Sheet Name
SUN & SHADOW STUDY - SEPTEMBER 1st

Sheet Number
AS-2.302

Project Status
STAGE 3



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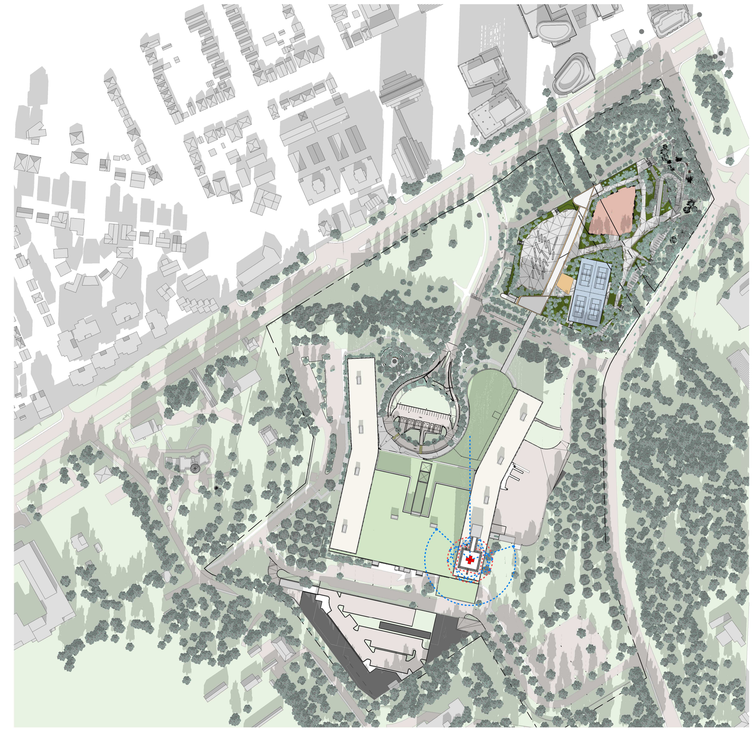

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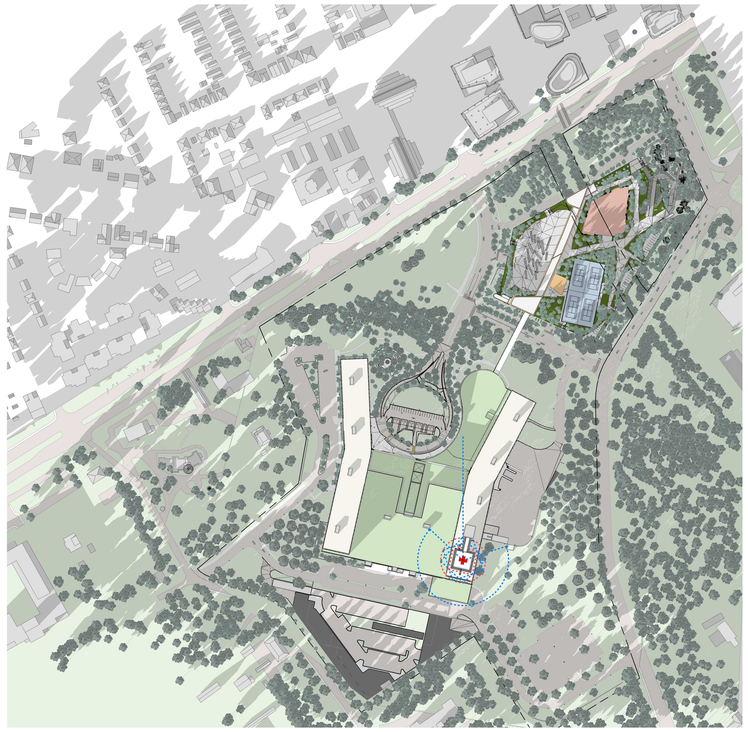

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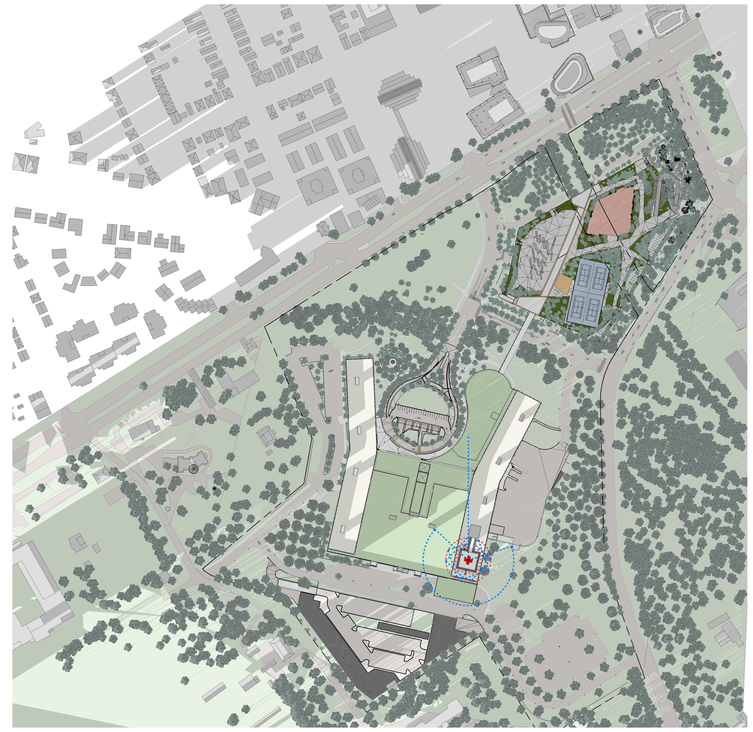

1 SUN & SHADOW STUDY - DECEMBER 1st @ 6PM
1 : 2000

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Scale 1: 2000

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

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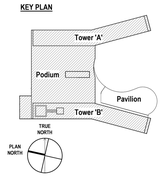
NEW CAMPUS DEVELOPMENT FOR THE OTTAWA HOSPITAL | NOUVEAU CAMPUS DE L'HÔPITAL D'OTTAWA

KEY PLAN



Project Manager	MR
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Project Architect	JEG
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Electrical Engineer	Smith + Andersen
Plumbing Engineer	Smith + Andersen
Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	

Sheet Reviewer	Author

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1	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	2021-03-04

ONTARIO ASSOCIATION OF ARCHITECTS
LICENCE 5517

Sheet Name
SUN & SHADOW STUDY - DECEMBER 1st

Sheet Number
AS-2.303

Project Status
STAGE 3

9/22/2022 4:12:36 PM BIM:360://10333982_TOH New CF PDC_2021/10333982_TOH_CC_PDC_ARCH_RVT2021.rvt

ATTACHMENT 3

Electrical Site Plan

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

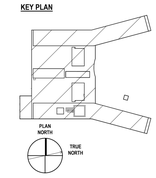
HDR

Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP

Enter address here

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

KEY PLAN



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

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022/09/30	ISSUED FOR PRE-CONSULTATION

Project Number	22150.001
Original Issue	02/12/20

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ELECTRICAL SITE PLAN -OVERAL

Sheet Number

E-101

Project Status

** Work in Progress / Issued for Permit / etc...

2022-09-30 5:38:36 PM BIM 360://103338/E_TOH New Civic DC PDC_22015\22150.001_TOH New Civic Development_Elec_2021.rvt

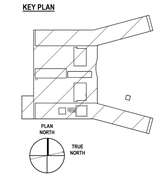
HDR

Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP

Enter address here

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

KEY PLAN



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

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	20220930	ISSUED FOR PRE-CONSULTATION

Project Number	22150.001
Original Issue	08/31/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ELECTRICAL SITE PLAN 1 OF 5

Sheet Number

E-101A

Project Status

** Work in Progress / Issued for Permit / etc...

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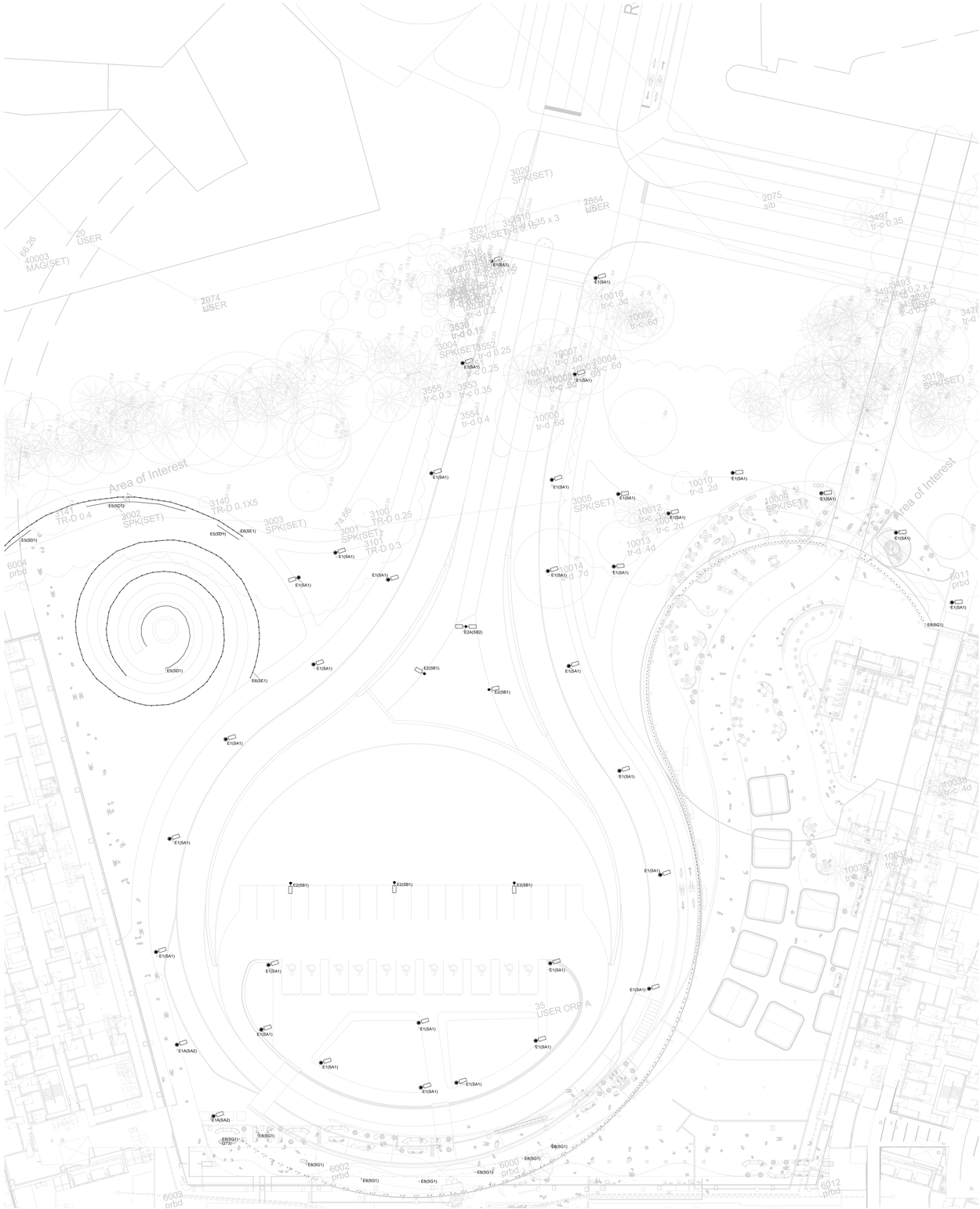

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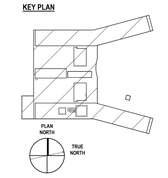
Scale 1: 300

Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP

Enter address here

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

KEY PLAN



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

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022/09/30	ISSUED FOR PRE-CONSULTATION

Project Number	22150.001
Original Issue	08/31/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ELECTRICAL SITE PLAN 2 OF 5

Sheet Number

E-101B

Project Status

** Work in Progress / Issued for Permit / etc...

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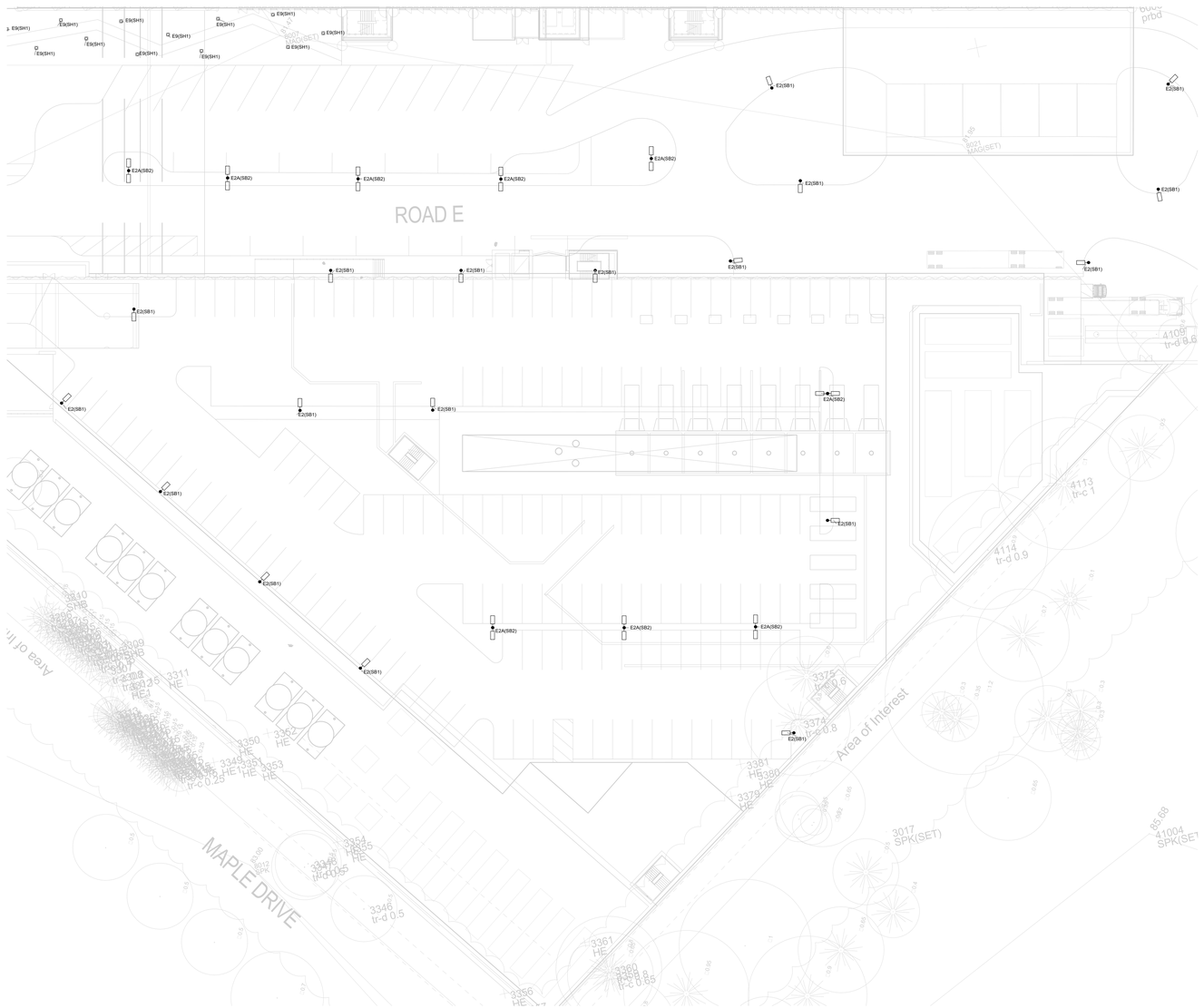

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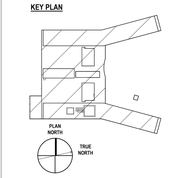
Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP

Enter address here

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

KEY PLAN



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

Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
1	2022/09/30	ISSUED FOR PRE-CONSULTATION

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

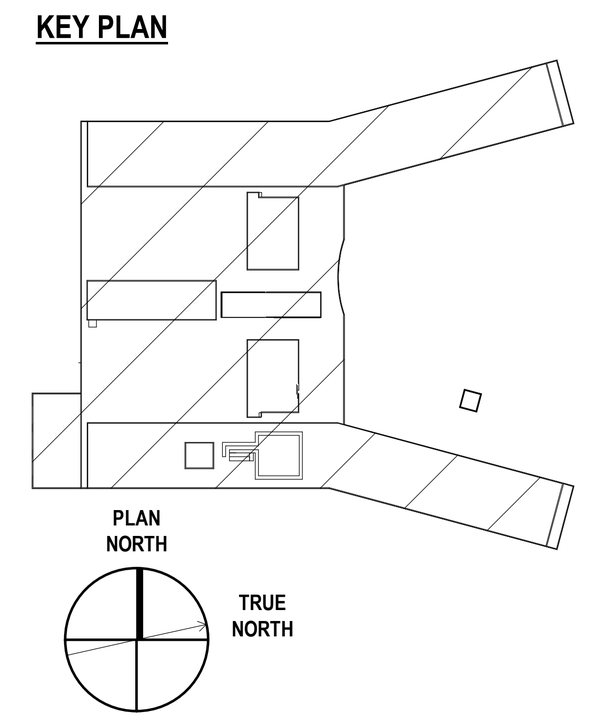
Project Status

** Work in Progress / Issued for Permit / etc...

Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP

Enter address here

KEY PLAN



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

MARK	DATE	DESCRIPTION
1	2022/09/30	ISSUED FOR PRE-CONSULTATION

Project Number	22150.001
Original Issue	08/31/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ELECTRICAL SITE PLAN 4 OF 5

Sheet Number

E-101D

Project Status

** Work in Progress / Issued for Permit / etc...

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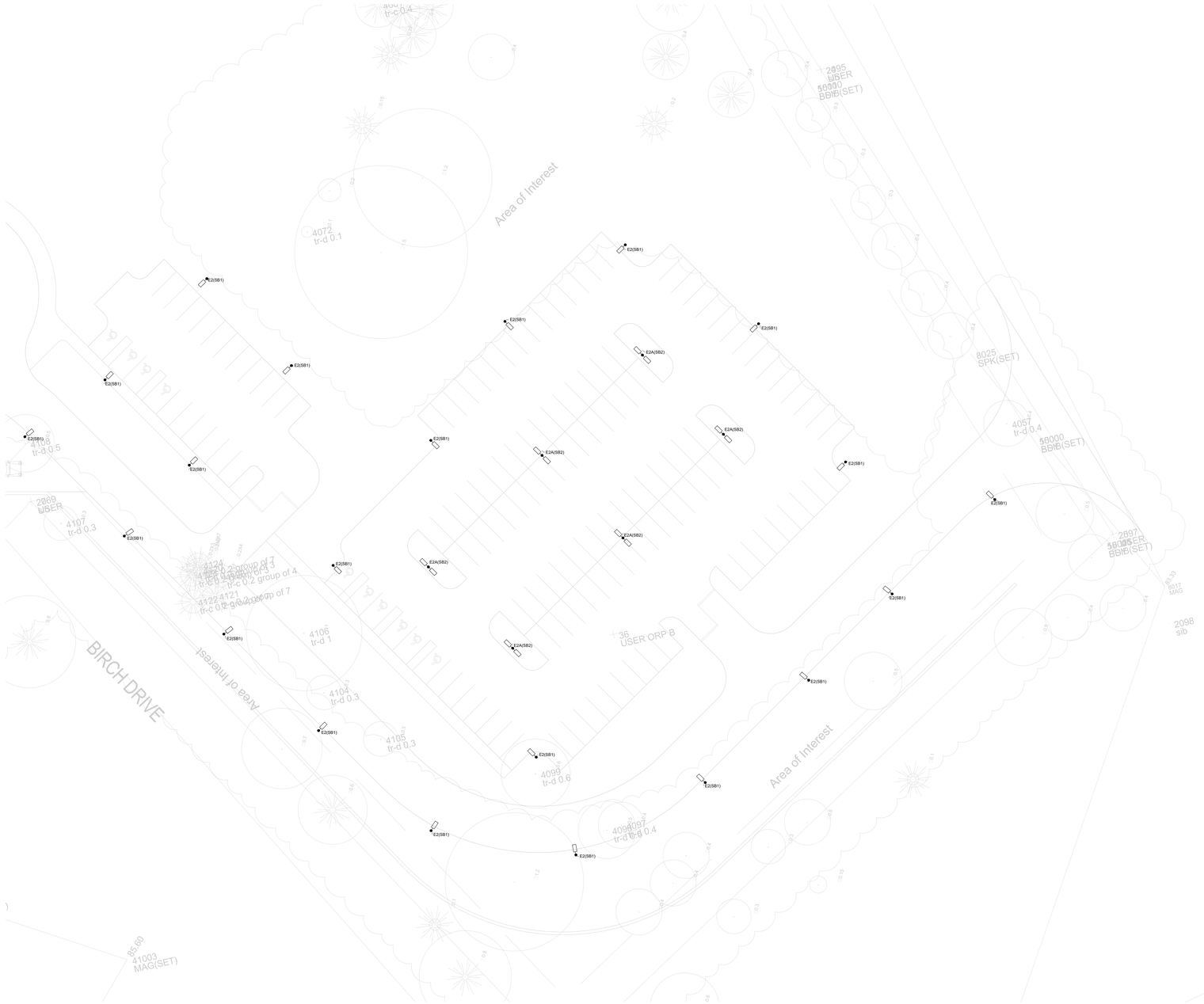


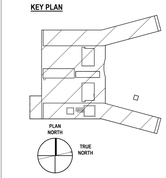
Scale 1: 300

Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP

Enter address here

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

KEY PLAN



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

Sheet Reviewer	Author

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Project Number	22150.001
Original Issue	08/31/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ELECTRICAL SITE PLAN 5 OF 5

Sheet Number

E-101E

Project Status

** Work in Progress / Issued for Permit / etc...

Illumination values shown in Lux
LFF .8

Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Car Entry Pathway	Lux	23.62	51.4	9.9	5.19
Conference Center Pathway_Conference C	Lux	28.16	43.4	9.8	4.43
Entry Parking Lot_Planar	Lux	23.36	61.7	6.6	9.35
Entry Road	Lux	18.22	32.7	5.2	6.29
Entry Walkway	Lux	40.41	118.8	12.9	9.21
Level E Parking Car Path_Planar	Lux	17.32	30.0	2.2	13.64
Pedestrian Sidewalk_Pedestrian S	Lux	18.71	27.0	7.7	3.51
Pedestrian Sidwalk	Lux	33.47	91.1	11.1	8.21
Entry	Lux	48.81	118.8	18.0	6.60
Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Cancer Parking_Planar	Lux	19.90	44.4	4.9	9.06
Emergency Department_Planar	Lux	11.61	35.7	2.7	13.22
Pathway Along Cancer Parking_Planar	Lux	12.34	26.3	2.9	9.07
Road_Planar	Lux	10.98	16.6	5.0	3.32
Roadway to CUP_Planar	Lux	8.76	13.8	3.3	4.18

Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
CUP Parking_Planar	Lux	10.88	24.9	1.7	14.65
Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Conference Deck_Planar	Lux	44.85	153.4	8.9	17.24
Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
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
Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
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
Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Path_Planar	Lux	12.87	28.7	2.2	13.05
Sunken Garden	Lux	16.27	33.1	3.6	9.19
Calculation Summary					
Label	Units	Avg	Max	Min	Max/Min
Walkway behind loading dock_Planar	Lux	13.76	35.9	3.0	11.97

SA1

Catalog Number:
LXS-VA-2-735-*-SYM-C-BK
Mounting Height:
3.6 m

SA2

Catalog Number:
LXS-VA-3-735-*-SYM-C-BK
Mounting Height:
3.6 m

SA3

Catalog Number:
LXS-VA-2-735-*-ASW-C-BK
Mounting Height:
3.6 m

SB1

Catalog Number:
P20-C-A03-835-T4S-AR1-BK
Mounting Height:
6 m

SB2

Catalog Number:
P20-C-A03-835-T4S-AR1-BK
-DOUBLE HEAD
Mounting Height:
6 m

SB3

Catalog Number:
P20-C-A05-835-T4S-AR1-BK
Mounting Height:
6 m

SC1

Catalog Number:
WEDGE3 LED
-P1-35K-80-RFT-MVOLT
Mounting Height:
3.6 m

SC2

Catalog Number:
WEDGE2 LED -
P2-35K-80-VF-MVOLT
Mounting Height:
3.6 m

SD1

Catalog Number:
ADONIS-HYDRA-HD06-W8-32
Mounting Height:
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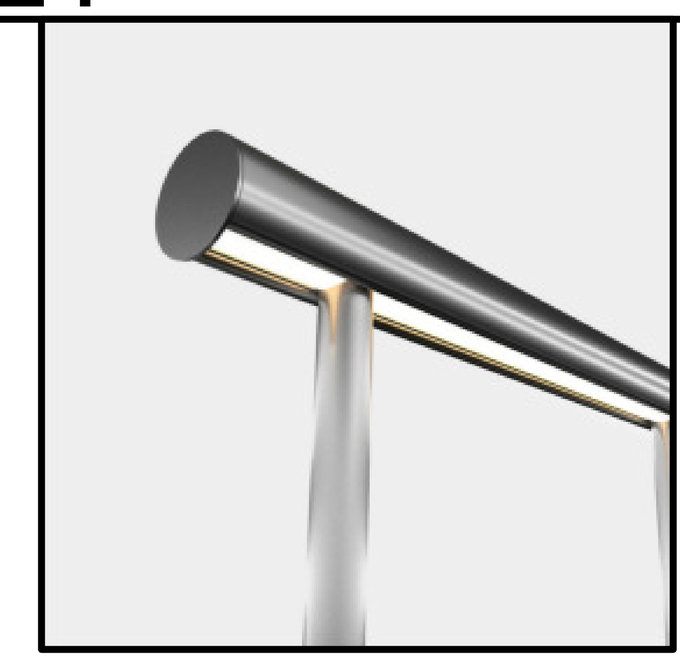
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Mounting Height:
REFER TO SITE PLANS
FOR MH

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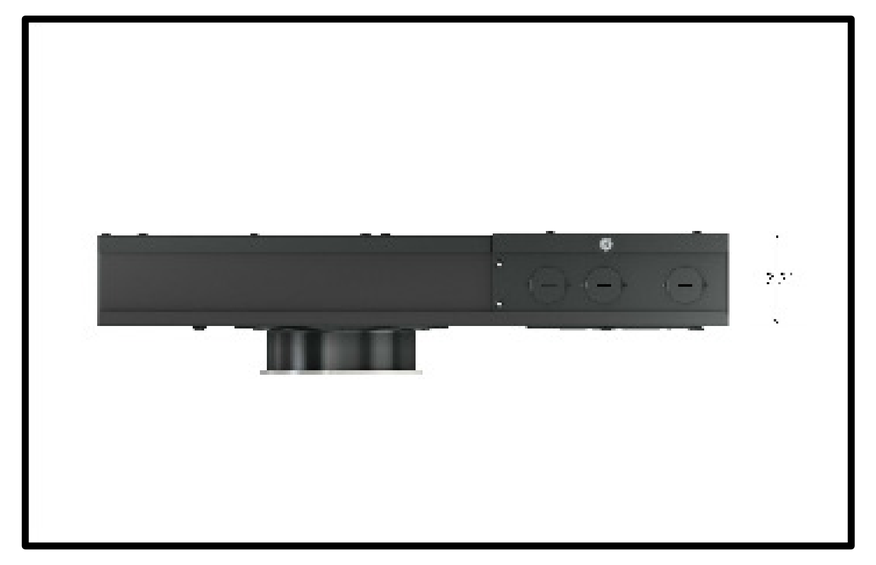
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BL-BL-SA-UNV
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Verify MH with Canopy
height

SH1

Catalog Number:
BEGA - 77 089
Mounting Height:
RECESSED INTO GRADE

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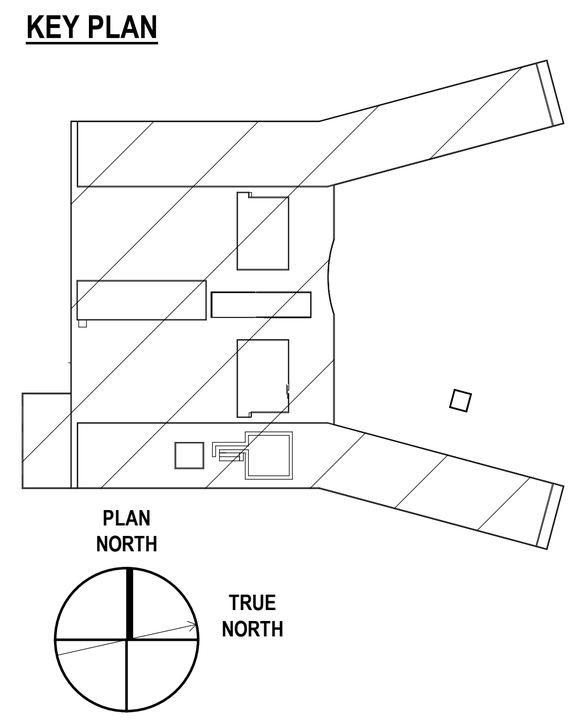
Scale 1: 300

HDR

Owner
TOH NEW CAMPUS DEVELOPMENT - STAGE 3 HOSPITAL & CUP
Enter address here

NEW CIVIC DEVELOPMENT FOR THE OTTAWA HOSPITAL

KEY PLAN


Project Manager
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Wayfinding

Sheet Reviewer: Author

MARK	DATE	DESCRIPTION
1	2022/09/30	ISSUED FOR PRE-CONSULTATION

Project Number: 22150.001
Original Issue: 08/31/22

PRELIMINARY
NOT FOR CONSTRUCTION

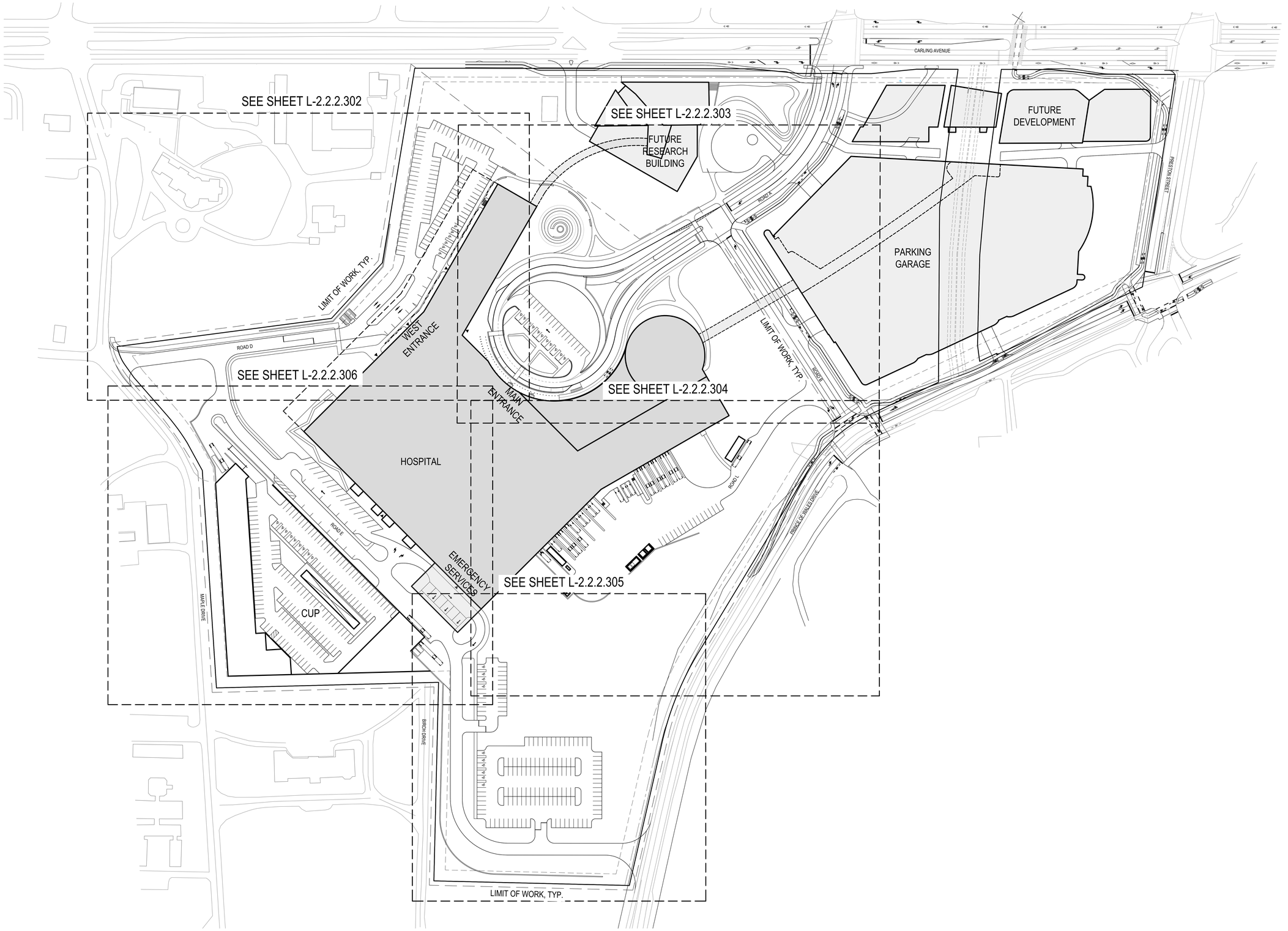
Sheet Name
ELECTRICAL SITE PLAN - FIXTURE SCHEDULE

Sheet Number
E-101F

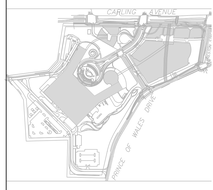
Project Status
** Work in Progress / Issued for Permit / etc...

ATTACHMENT 4

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



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

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Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

ORIENTATION PLAN

Sheet Number

L-2.2.2.000

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

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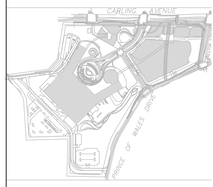
Scale 1: 750

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

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Interior Designer	Interior Designer
Equipment Planner	Colliers
Wayfinding	
Sheet Reviewer	Author

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	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

EXISTING
TOPOGRAPHY PLAN

Sheet Number

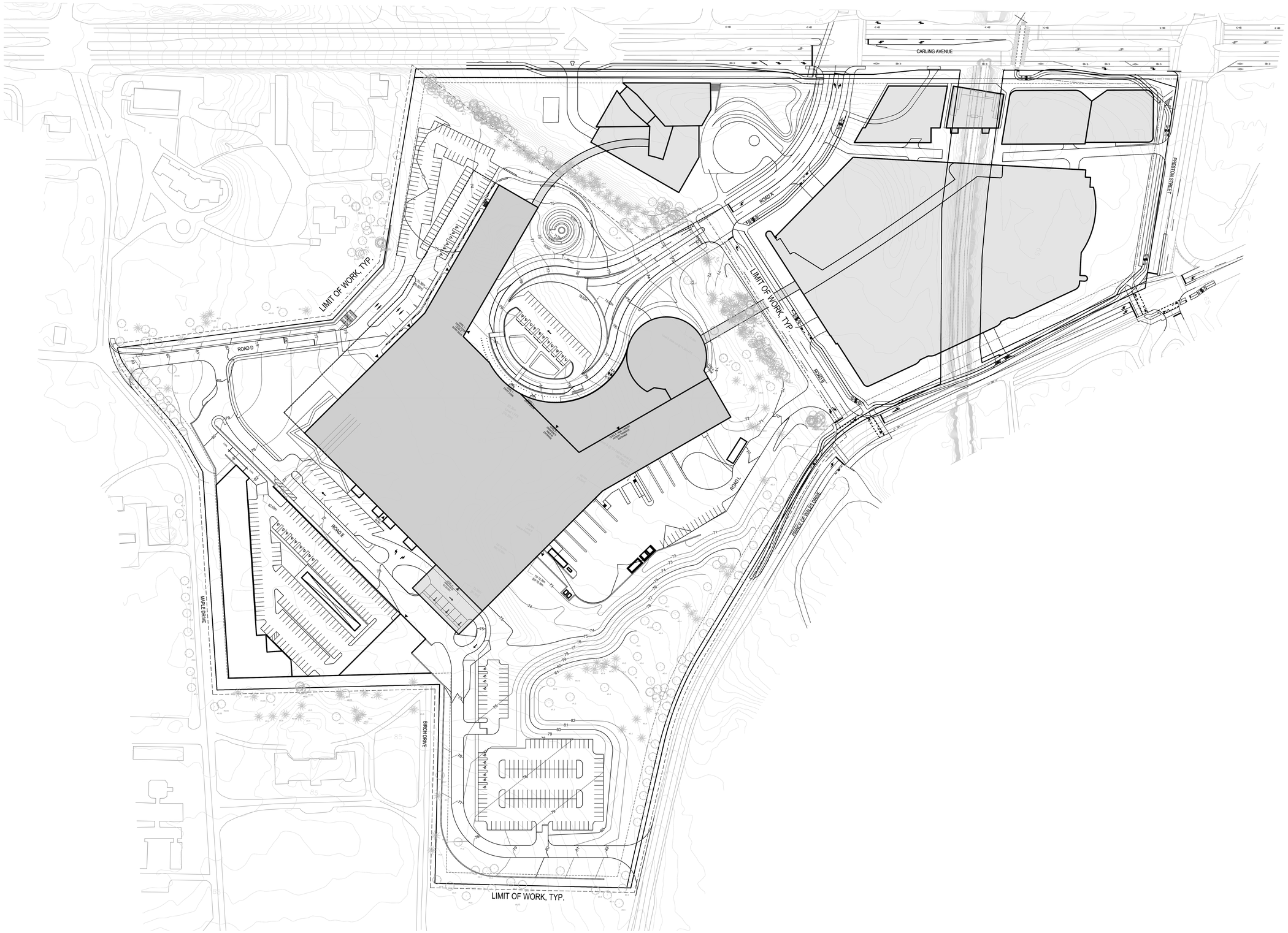
L-2.2.2.200

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 18.75m 37.5m 75m
Scale 1: 750



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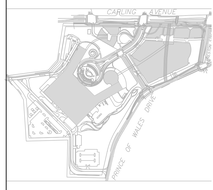

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

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 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
	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
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PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

OVERALL GROUND
PLANE GRADING PLAN

Sheet Number

L-2.2.2.201

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 18.75m 37.5m 75m
Scale 1: 750

PLAN NORTH

TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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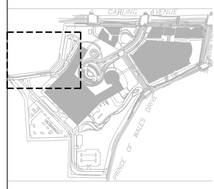

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PRELIMINARY
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Sheet Name

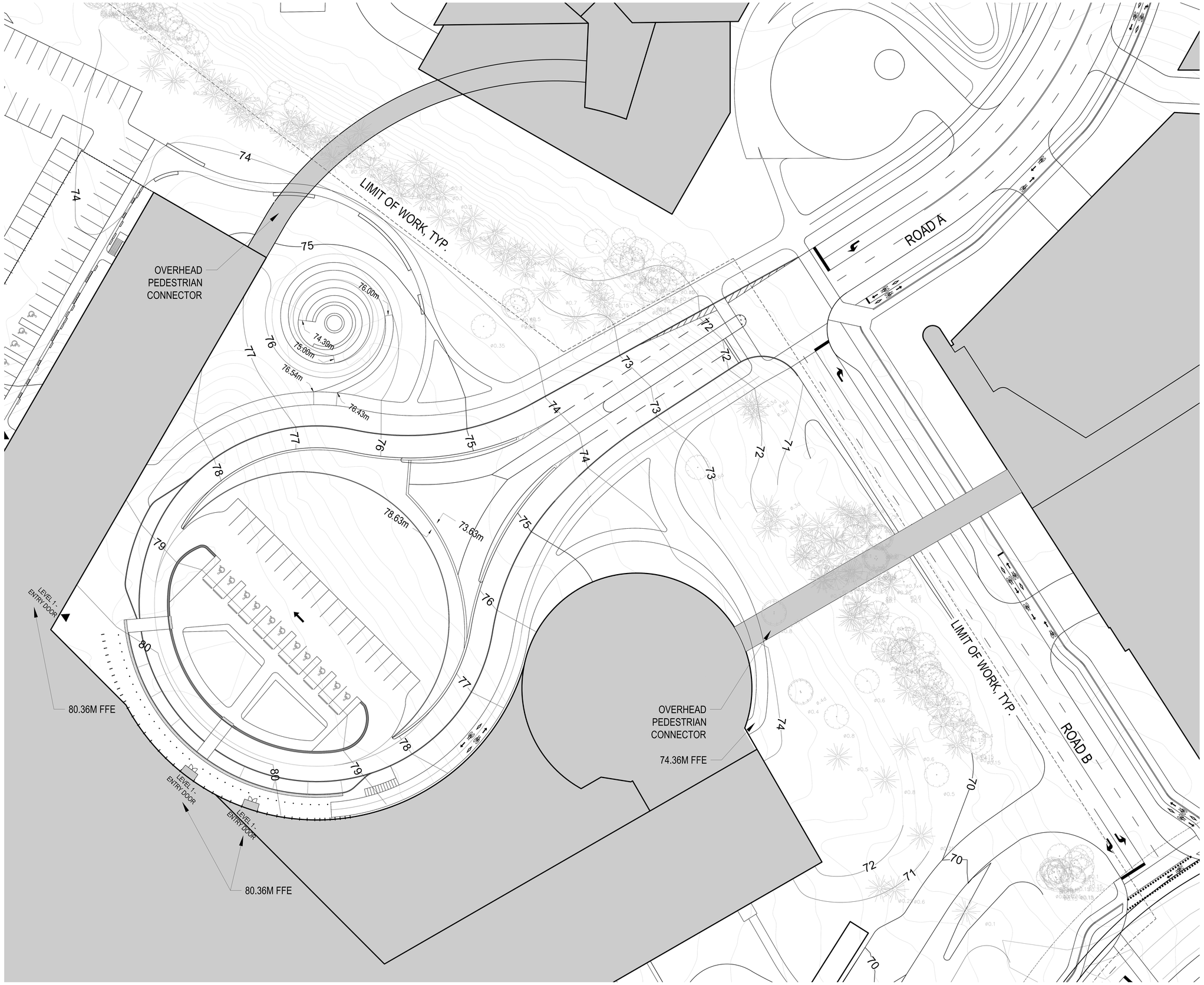
GROUND PLANE
GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.202

Project Status

STAGE 3



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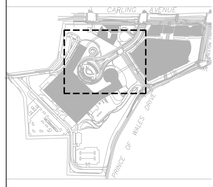

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PRELIMINARY
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Sheet Name

GROUND PLANE
GRADING PLAN
ENLARGEMENT

Sheet Number

L-2.2.2.203

Project Status

STAGE 3

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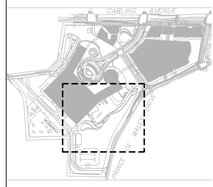

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PRELIMINARY
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Sheet Name

GROUND PLANE
GRADING PLAN
ENLARGEMENT

Sheet Number

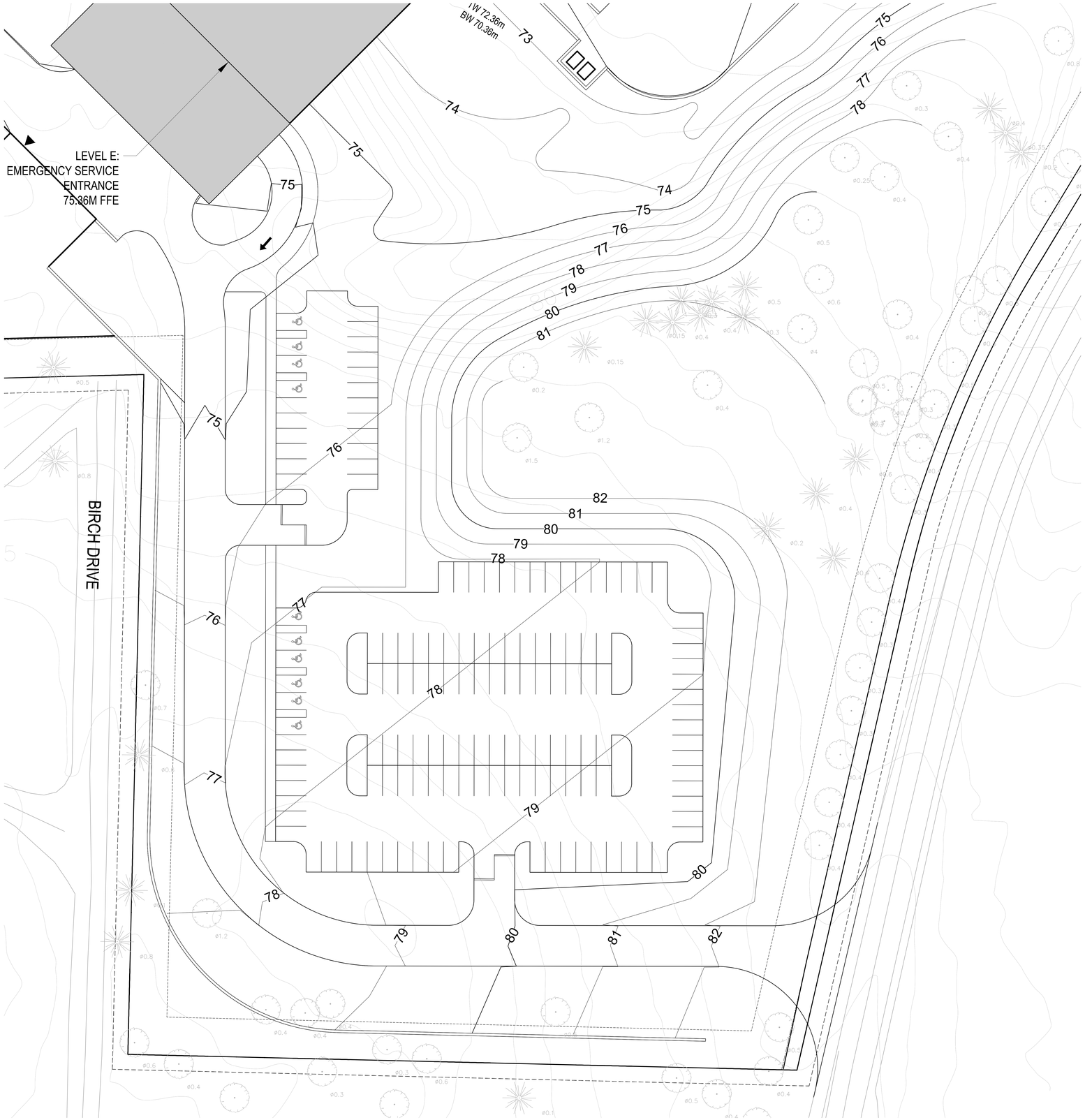
L-2.2.2.204

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

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



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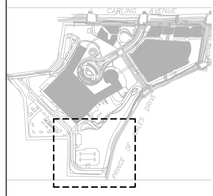

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PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

GROUND PLANE
GRADING PLAN
ENLARGEMENT

Sheet Number

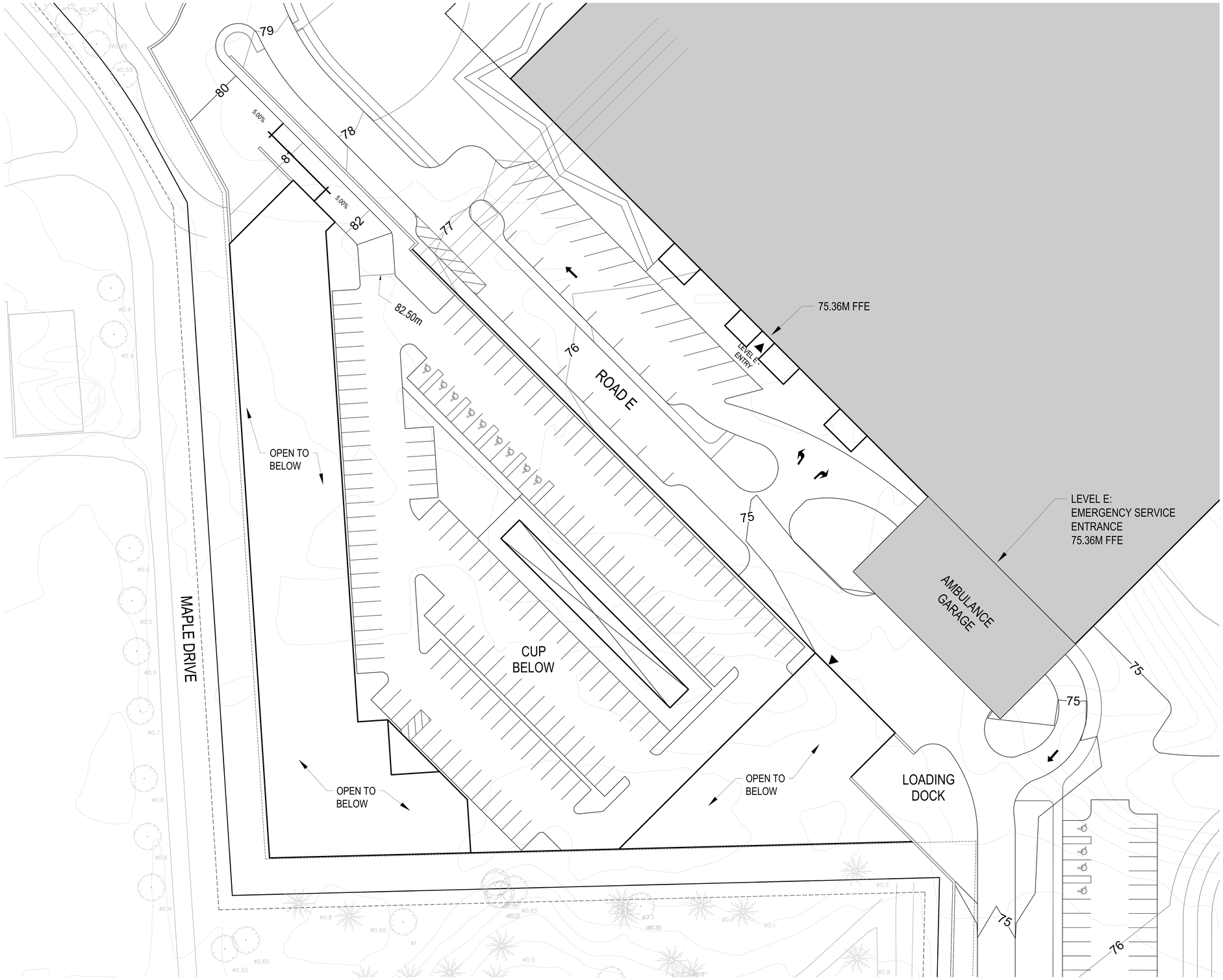
L-2.2.2.205

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

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



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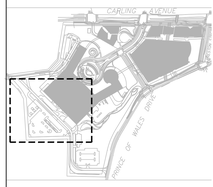

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NOT FOR CONSTRUCTION

Sheet Name

GROUND PLANE
GRADING PLAN
ENLARGEMENT

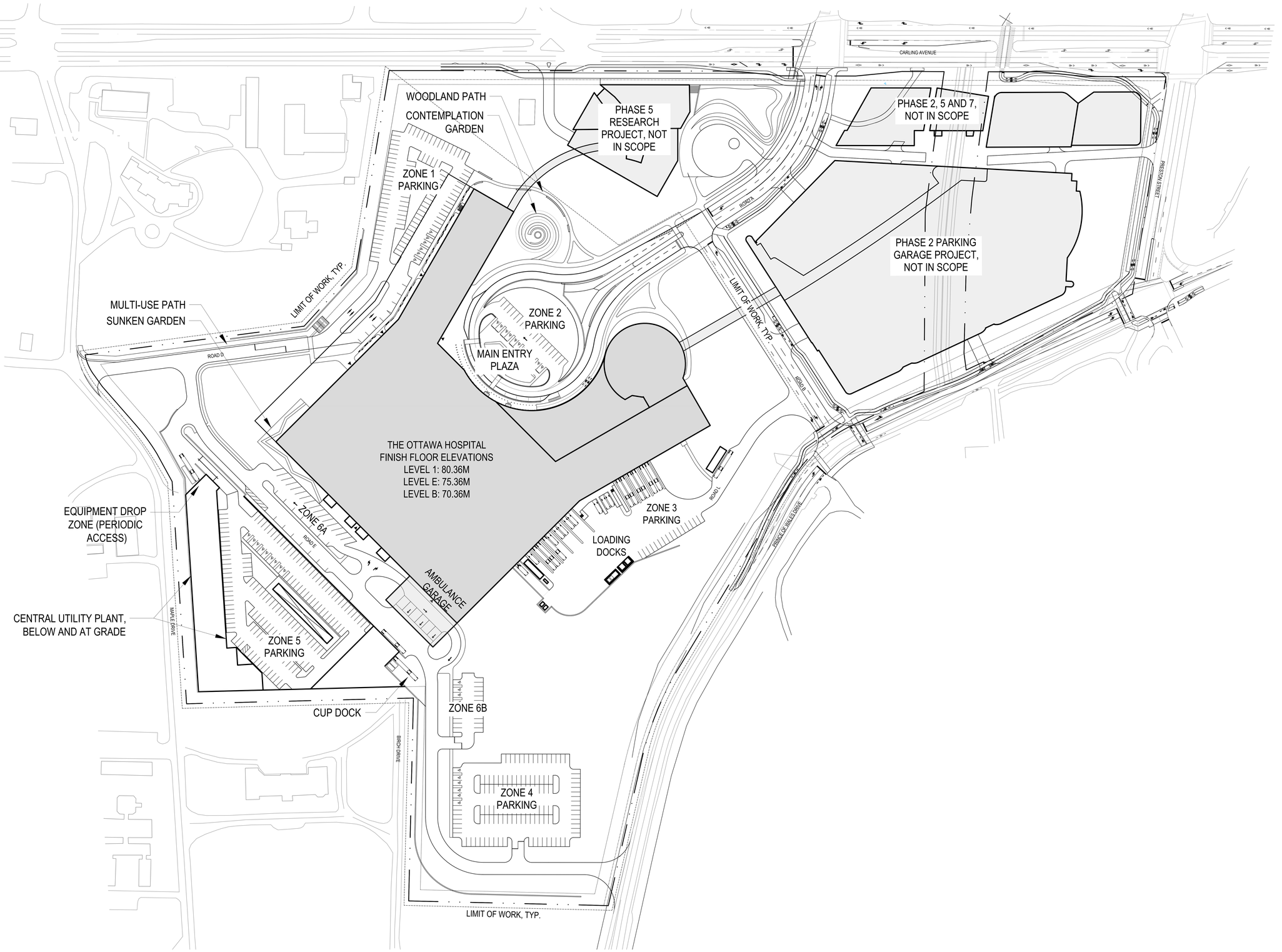
Sheet Number

L-2.2.2.206

Project Status
STAGE 3

PLAN NORTH
TRUE NORTH

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



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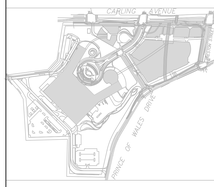

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Sheet Name

OVERALL GROUND PLANE LAYOUT PLAN

Sheet Number

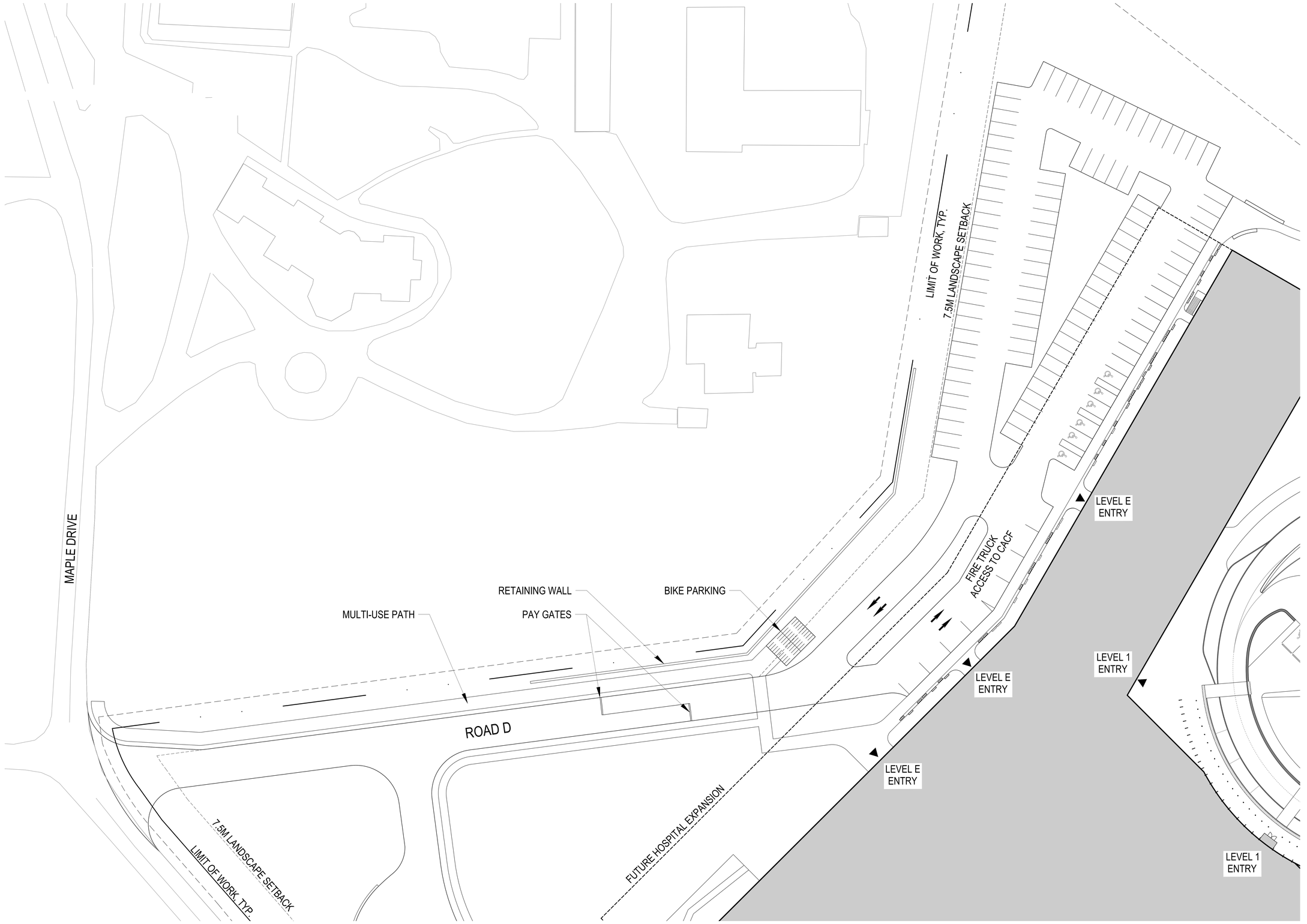
L-2.2.2.301

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 18.75m 37.5m 75m
Scale 1: 750



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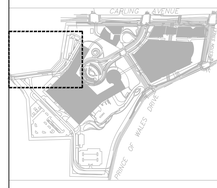

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Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

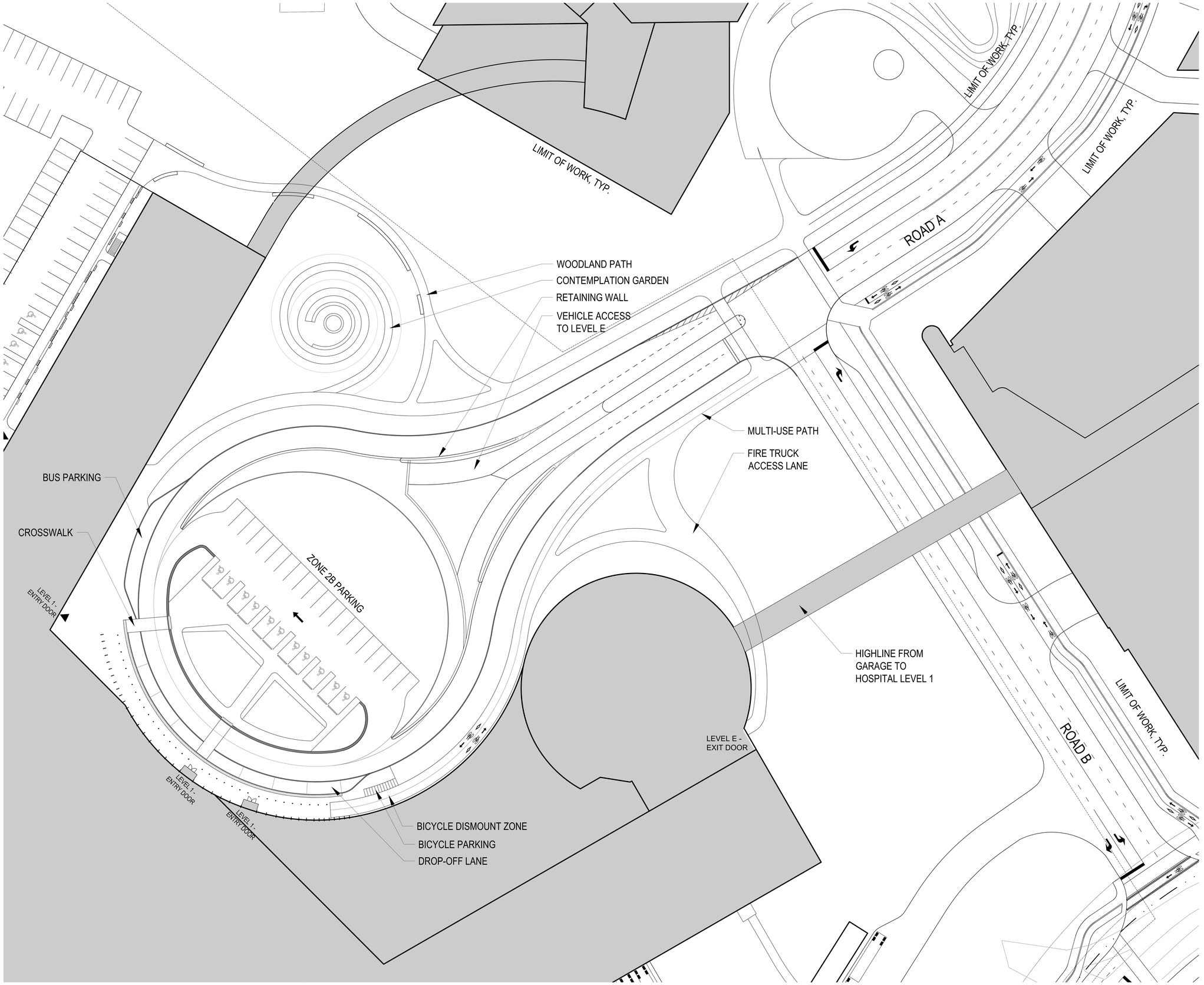
GROUND PLANE
LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.302

Project Status

STAGE 3



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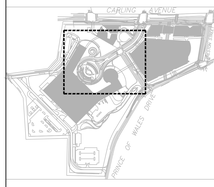

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Original Issue	04/21/22

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NOT FOR CONSTRUCTION

Sheet Name

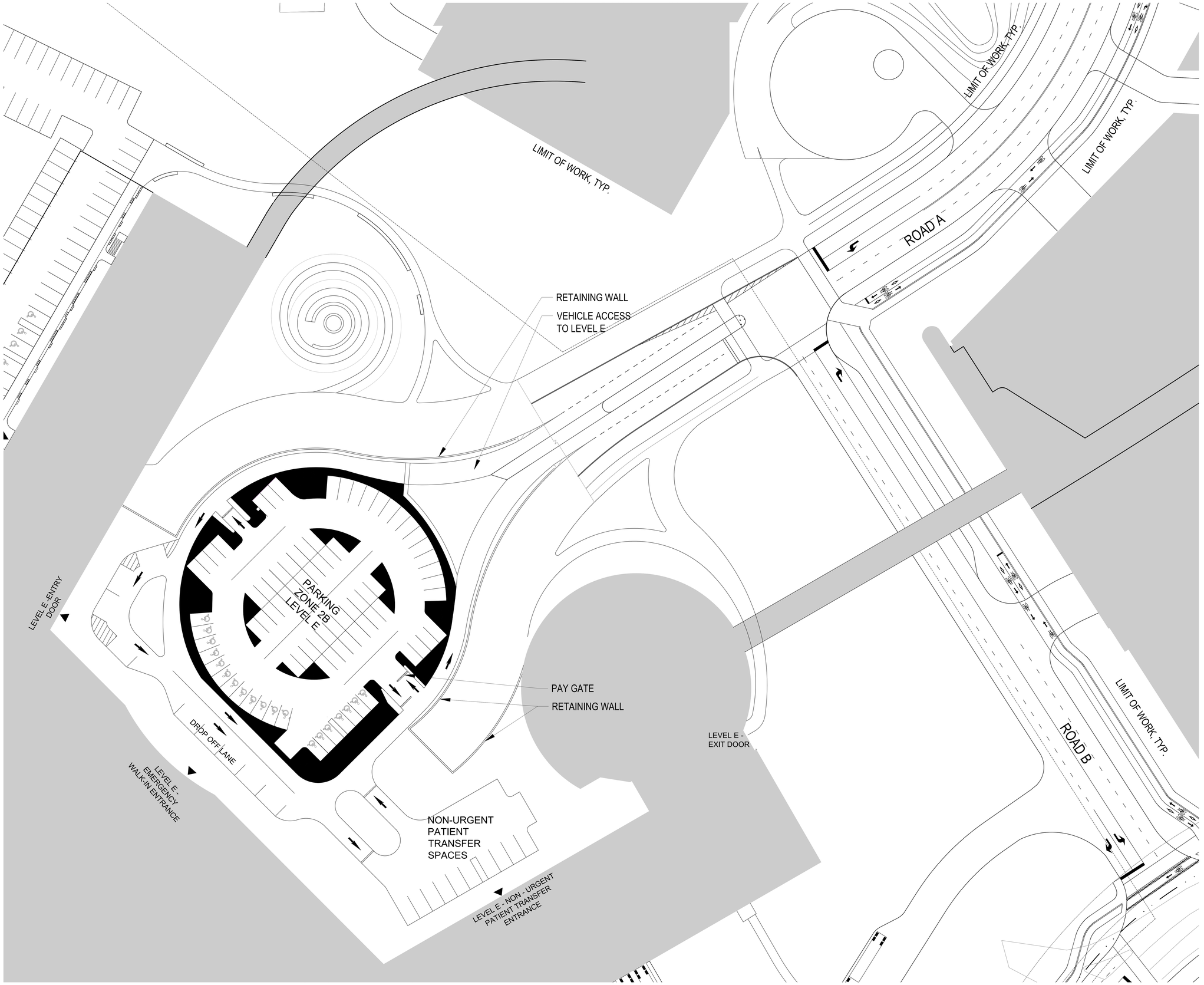
GROUND PLANE
LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.303

Project Status

STAGE 3



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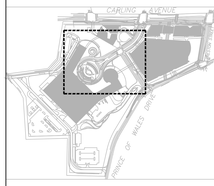

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Sheet Name

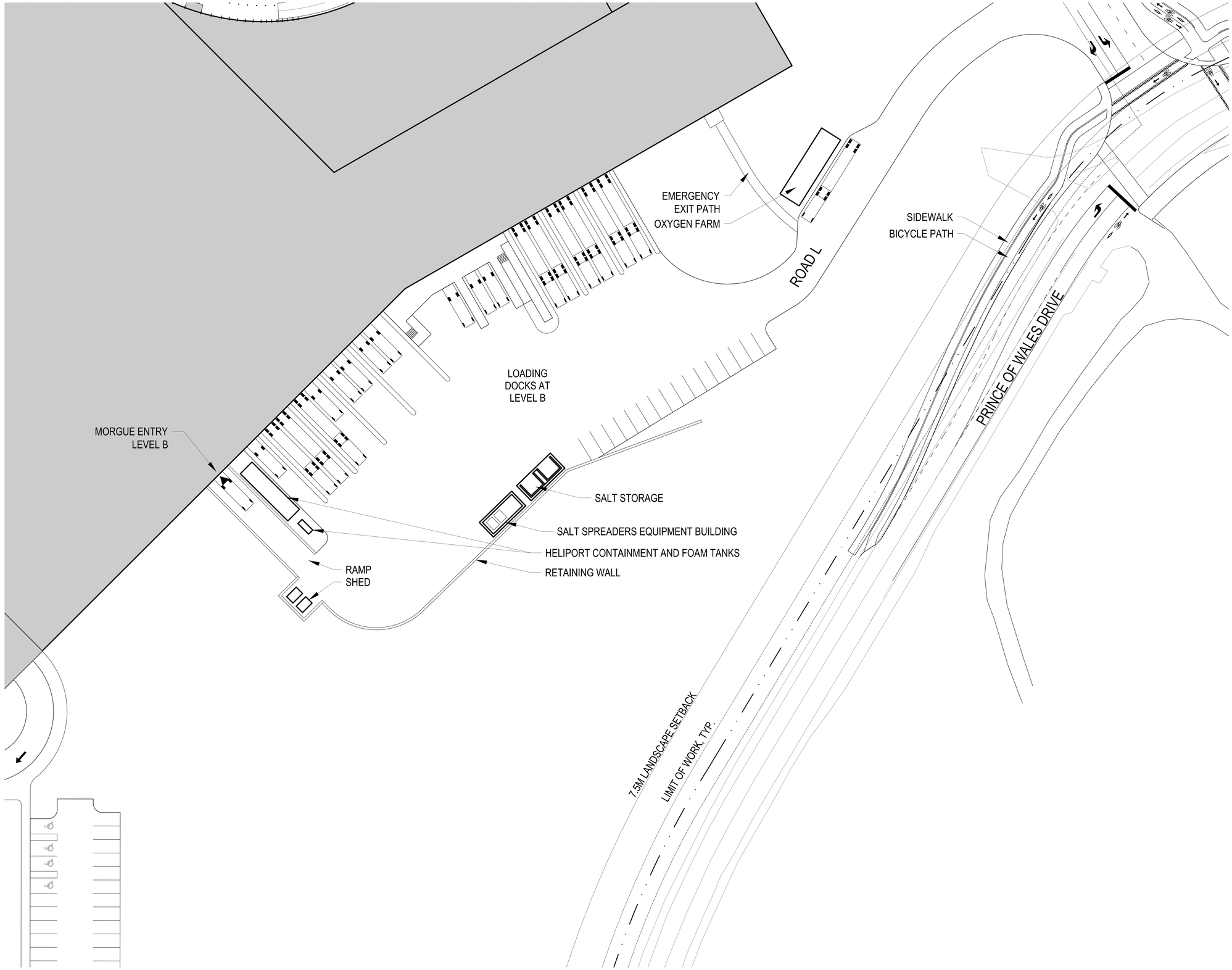
GROUND PLANE
LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.303.1

Project Status

STAGE 3



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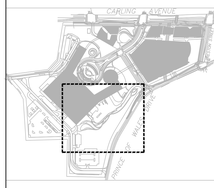

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Project Number	10333582
Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

GROUND PLANE
LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.304

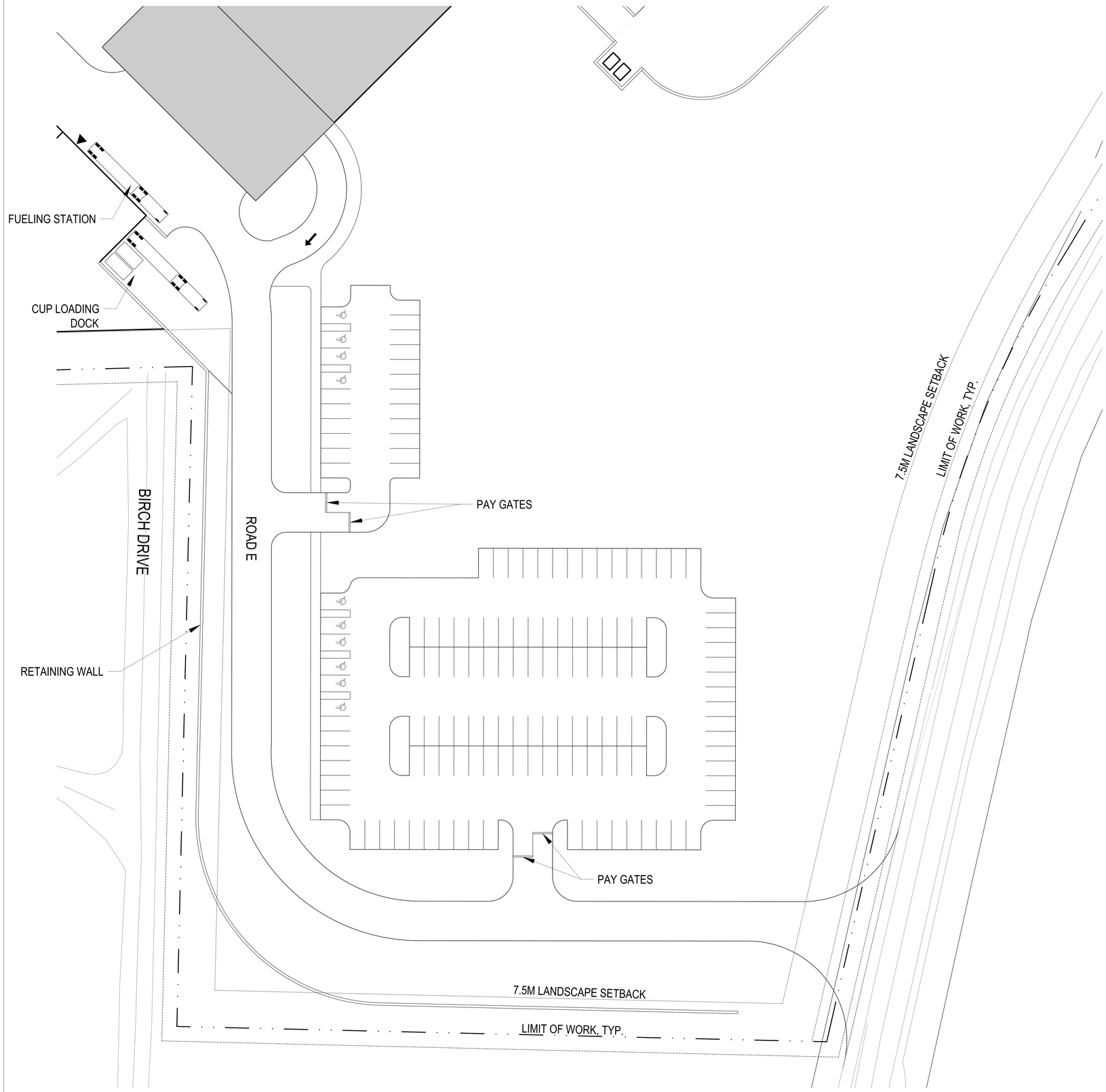
Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250



PLAN NORTH

TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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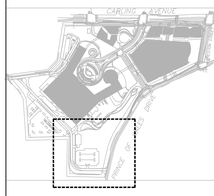

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PRELIMINARY
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Sheet Name

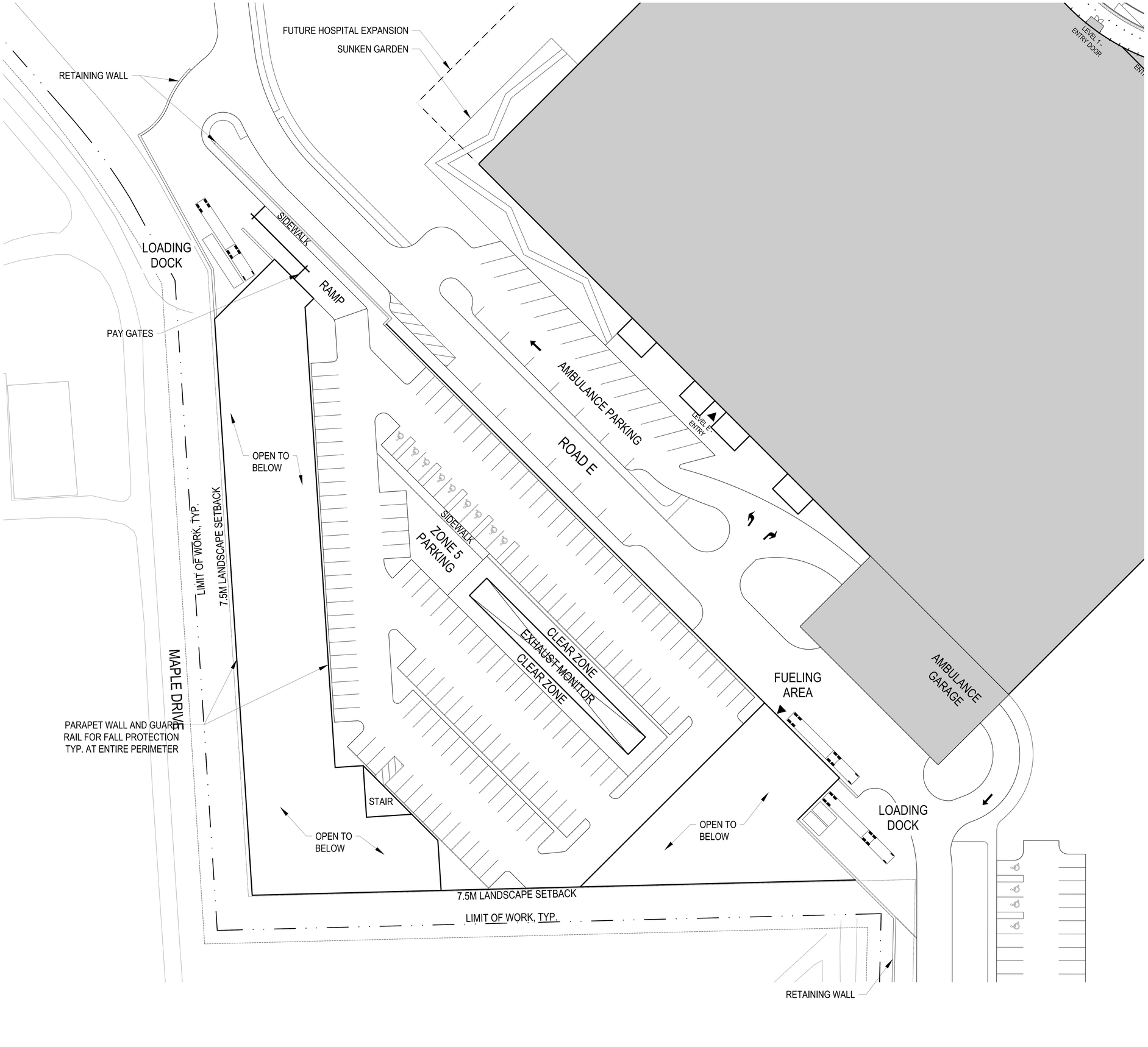
GROUND PLANE
LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.305

Project Status

STAGE 3



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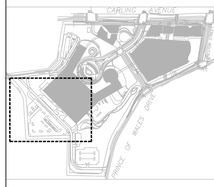

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PRELIMINARY
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Sheet Name

GROUND PLANE
LAYOUT ENLARGEMENT

Sheet Number

L-2.2.2.306

Project Status

STAGE 3

PLAN NORTH
TRUE NORTH

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

CANOPY (Trees)	
Mixed Woodland	
Scientific name	**Common name**
Acer saccharum	Sugar Maple
Quercus rubra	Red Oak
Pinus strobus	Eastern White Pine
Acer nigrum	Black Maple
Betula papyrifera	White Birch
Juniperus virginiana	Eastern Red Cedar
Juglans nigra	Black Walnut
Carya cordiformis	Bitternut
Carya ovata	Shagbark Hickory
Tilia americana	Basswood
Prunus serotina	Black Cherry
Quercus macrocarpa	Bur Oak
Quercus alba	White Oak
Olneya tesota	Ironwood
Carpinus caroliniana	Blue-beech
Larix laricina	Tamarack
Abies	Fir
Thuja occidentalis	White Cedar
Alvar Grassland	
Scientific name	**Common name**
Prunus americana	Prunus americana
Amelanchier alnifolia	Saskatoon Serviceberry
Prunus nigra	Canada Plum
Prunus virginiana	Chokecherry
Ptelea trifoliata	Hop Tree

MIDDLESTORY (Small trees / Large shrubs)	
Mixed Woodland	
Scientific name	**Common name**
Amelanchier	Serviceberry
Cornus alternifolia	Alternate-leaved Dogwood
Cercis canadensis	Eastern Redbud
Picea glauca	White Spruce
Alvar Grassland	
Scientific name	**Common name**
Prunus nigra	Canada Plum
Prunus americana	American Plum
Amelanchier alnifolia	Saskatoon Serviceberry
Ptelea trifoliata	Hop Tree Full
Amorpha fruticosa	Indigo Bush
Shepherdia	Buffaloberry
Viburnum rafinesqueanum	Downy Arrowwood
Sunken Garden	
Scientific name	**Common name**
Betula papyrifera	White Birch
Amelanchier canadensis	Amelanchier
Carpinus caroliniana	Blue-beech
Abies	Fir

UNDERSTORY (Small shrubs)	
Mixed Woodland	
Scientific name	**Common name**
Acer saccharum	Sugar Maple
Quercus rubra	Red Oak
Pinus strobus	Eastern White Pine
Acer nigrum	Black Maple
Betula papyrifera	White Birch
Juniperus virginiana	Eastern Red Cedar
Alvar Grassland	
Graminoides	
Scientific name	**Common name**
Carex sprengellii	Long Beaked Sedge
Sporobolus vaginiflorus	Poverty Grass
Eleocharis compressa	Flatstem Spikerush
Panicum philadelphicum	Philadelphia Panic Grass
Schizachyrium scoparium	Little Bluestem
Sporobolus heterolepis	Prairie Dropseed
Sporobolus neglectus	Small Dropseed
Antennaria neglecta	Prairie Pussytoes
Geranium bicknellii	Bicknell's Cranesbill
Geum triflorum	Prairie Smoke
Micranthes virginiensis	Early Saxifrage
Penstemon hirsutus	Hairy Beardtongue
Ranunculus fascicularis	Early Buttercup
Aquilegia canadensis	Eastern Red Columbine
Clinopodium arkansanum	Limestone Calamint
Dalea purpurea	Purple Prairie Clover
Fragaria vesca	Wild Strawberry
Ratibida pinnata	Grey headed Coneflower
Hieracium piloselloides	Tall Hawkweed
Houstonia canadensis	Canada Summer Bluet
Houstonia longifolia	Long-leaved Bluet
Solidago nemoralis	Grey Goldenrod
Solidago ptarmicoides	Upland White Goldenrod
Hedeoma	False Pennyroyal
Forbes	
Scientific name	**Common name**
Antennaria neglecta	Prairie Pussytoes
Penstemon hirsutus	Hairy Beardtongue
Micranthes virginiensis	Early Saxifrage
Ranunculus fascicularis	Early Buttercup
Fragaria vesca	Wild Strawberry
Aquilegia canadensis	Eastern Red Columbine
Clinopodium arkansanum	Limestone Calamint
Ratibida pinnata	Grey headed Coneflower
Dalea purpurea	Purple Prairie Clover
Geranium bicknellii	Bicknell's Cranesbill
Phlox pilosa	Prairie
Geum triflorum	Prairie Smoke
Ranunculus fascicularis	Early Buttercup
Hieracium piloselloides	Tall Hawkweed
Houstonia canadensis	Canada Summer Bluet
Houstonia longifolia	Long-leaved Bluet
Solidago nemoralis	Grey Goldenrod
Solidago ptarmicoides	Upland White Goldenrod
Hedeoma	False Pennyroyal
Medium / Low Shrubs	
Scientific name	**Common name**
Arctostaphylos uva-ursi	Bearberry
Vaccinium angustifolium	Lowbush blueberry
Comptonia peregrina	Sweetfern
Rhus aromatica	Fragrant Sumac
Ceanothus americanus	New Jersey Tea
Prunus pumila	Dwarf Sand Plum
Lonicera	Honeysuckle
Baptisia tinctoria	Yellow Wild Indigo
Diervilla lonicera	Northern Bush Honeysuckle
Dasiphora fruticosa	Shrubby Cinquefoil
Sunken Garden	
Scientific name	**Common name**
Acer saccharum	Sugar Maple
Quercus rubra	Red Oak
Pinus strobus	Eastern White Pine
Acer nigrum	Black Maple
Betula papyrifera	White Birch
Juniperus virginiana	Eastern Red Cedar
Lawn	
Scientific name	**Common name**
Poa pratensis	Kentucky Bluegrass Sod Turf

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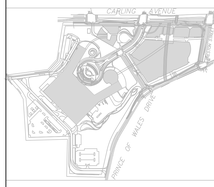

THE OTTAWA HOSPITAL
NEW CAMPUS
DEVELOPMENT -
HOSPITAL & CUP

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 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	
Sheet Reviewer	Author

MARK	DATE	DESCRIPTION
	2022-09-23	ISSUED FOR PRE-CONSULTATION

Project Number	10333982
Original Issue	04/21/22

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Sheet Name

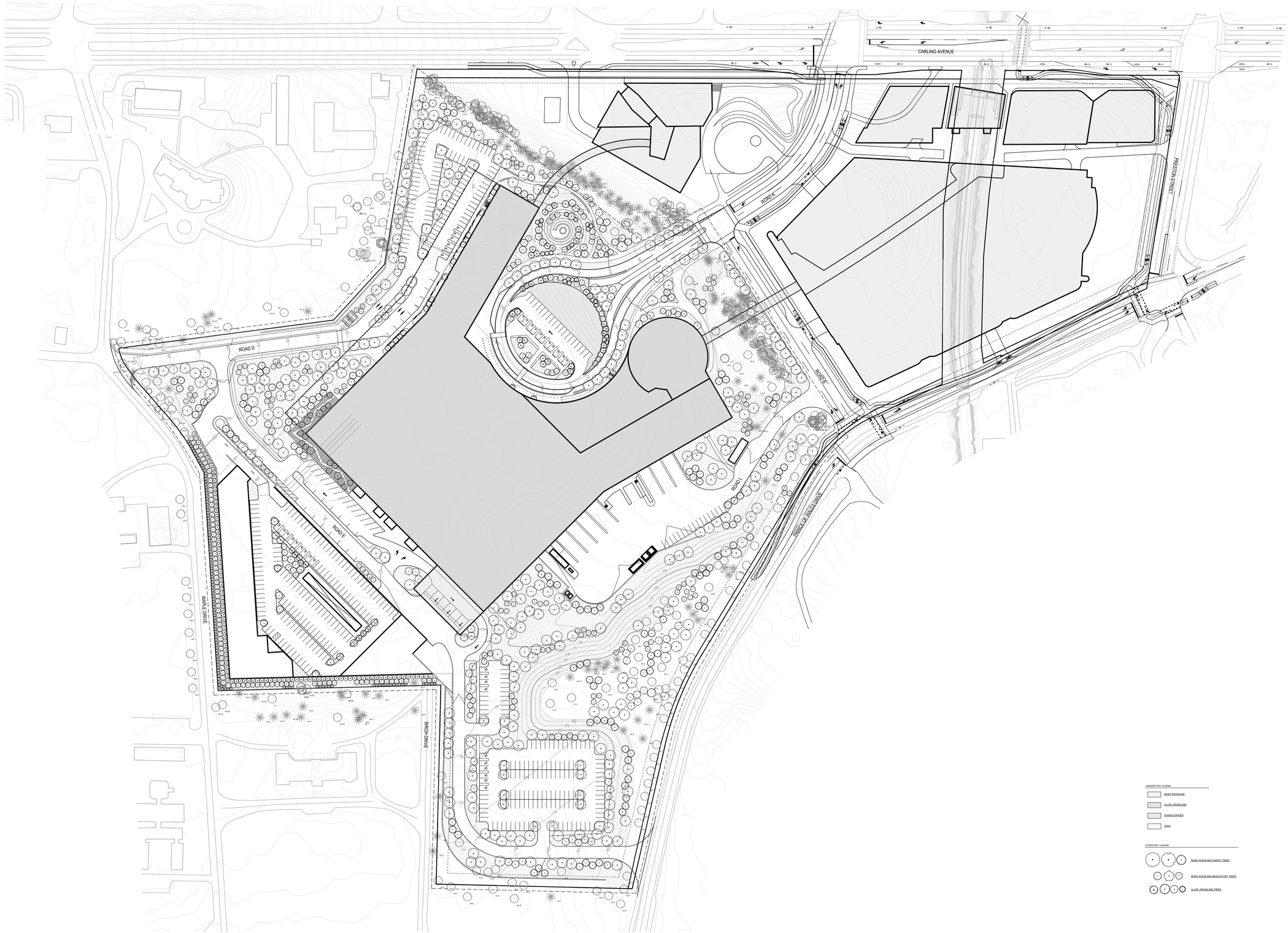
PLANTING SCHEDULE

Sheet Number

L-2.2.2.703

Project Status

STAGE 3



UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- LAWN

OVERSTORY LEGEND

- MIXED WOODLAND CANOPY TREES
- MIXED WOODLAND MIDDLESTORY TREES
- ALVAR GRASSLAND TREES

PLAN NORTH

TRUE NORTH

0 18.75m 37.5m 75m

Scale 1: 750

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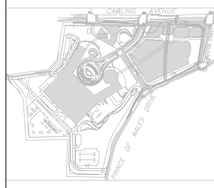

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Wayfinding	
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Sheet Name

OVERSTORY OVERALL
PLANTING PLAN

Sheet Number

L-2.2.2.801

Project Status

STAGE 3

UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- LAWN

OVERSTORY LEGEND

- MIXED WOODLAND CANOPY TREES
- MIXED WOODLAND MIDDLESTORY TREES
- ALVAR GRASSLAND TREES

PLAN NORTH
TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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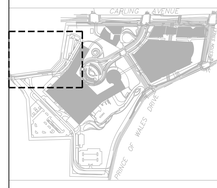

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Original Issue	04/21/22

PRELIMINARY
NOT FOR CONSTRUCTION

Sheet Name

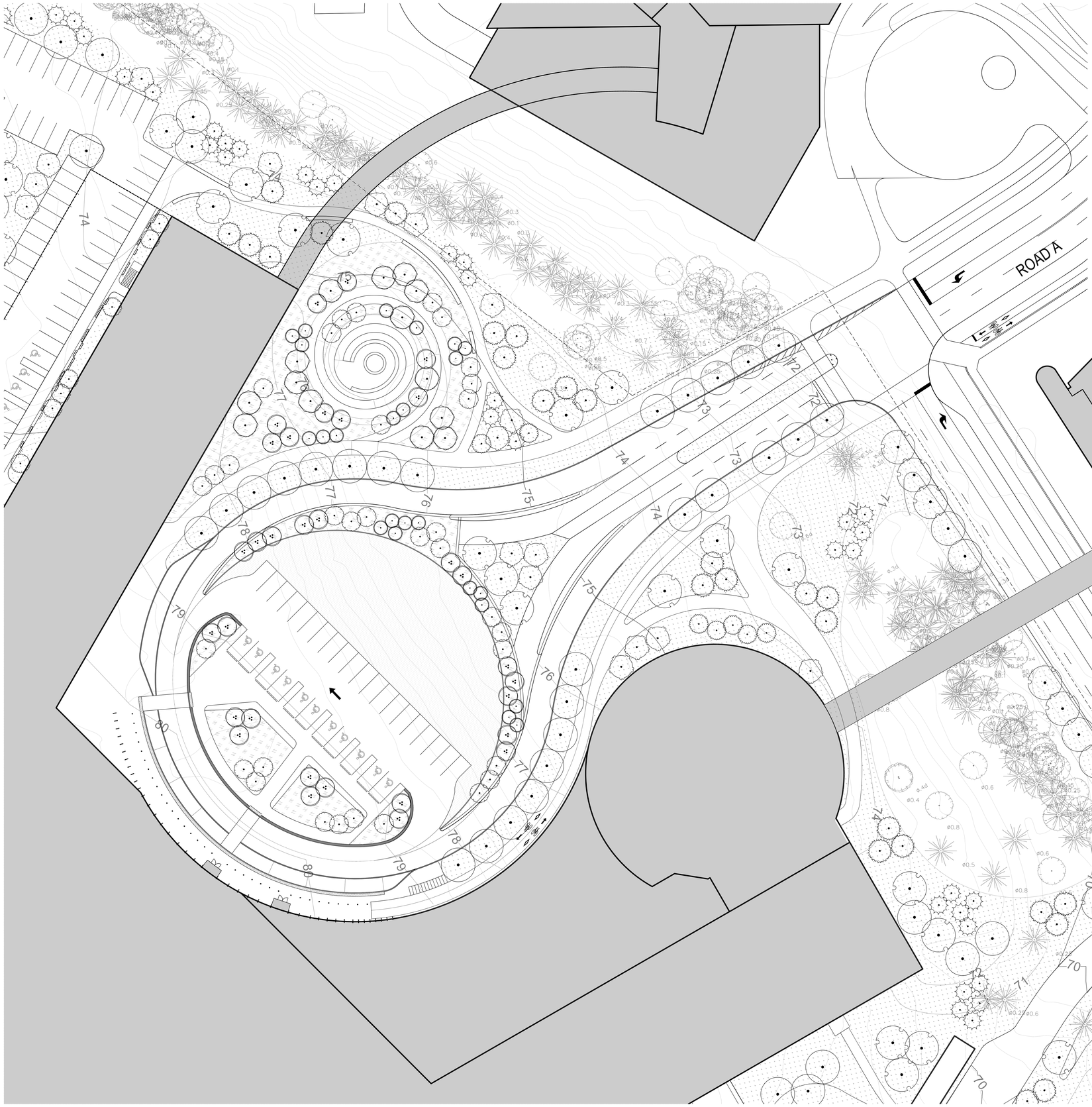
OVERSTORY PLANTING
PLAN ENLARGEMENTS

Sheet Number

L-2.2.2.802

Project Status

STAGE 3



UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- LAWN

OVERSTORY LEGEND

- MIXED WOODLAND CANOPY TREES
- MIXED WOODLAND MIDDLESTORY TREES
- ALVAR GRASSLAND TREES

PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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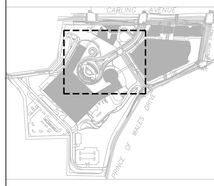

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Original Issue	04/21/22

PRELIMINARY
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Sheet Name

OVERSTORY PLANTING PLAN ENLARGEMENTS

Sheet Number

L-2.2.2.803

Project Status

STAGE 3

UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- LAWN

OVERSTORY LEGEND

- MIXED WOODLAND CANOPY TREES
- MIXED WOODLAND MIDDLESTORY TREES
- ALVAR GRASSLAND TREES

PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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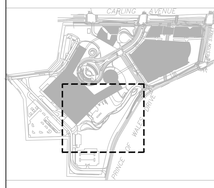

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OVERSTORY PLANTING
PLAN ENLARGEMENTS

Sheet Number

L-2.2.2.804

Project Status

STAGE 3

UNDERSTORY LEGEND

- MIXED WOODLAND
- ALVAR GRASSLAND
- SUNKEN GARDEN
- LAWN

OVERSTORY LEGEND

- MIXED WOODLAND CANOPY TREES
- MIXED WOODLAND MIDDLESTORY TREES
- ALVAR GRASSLAND TREES

PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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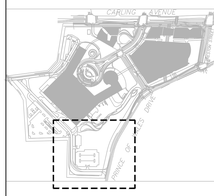

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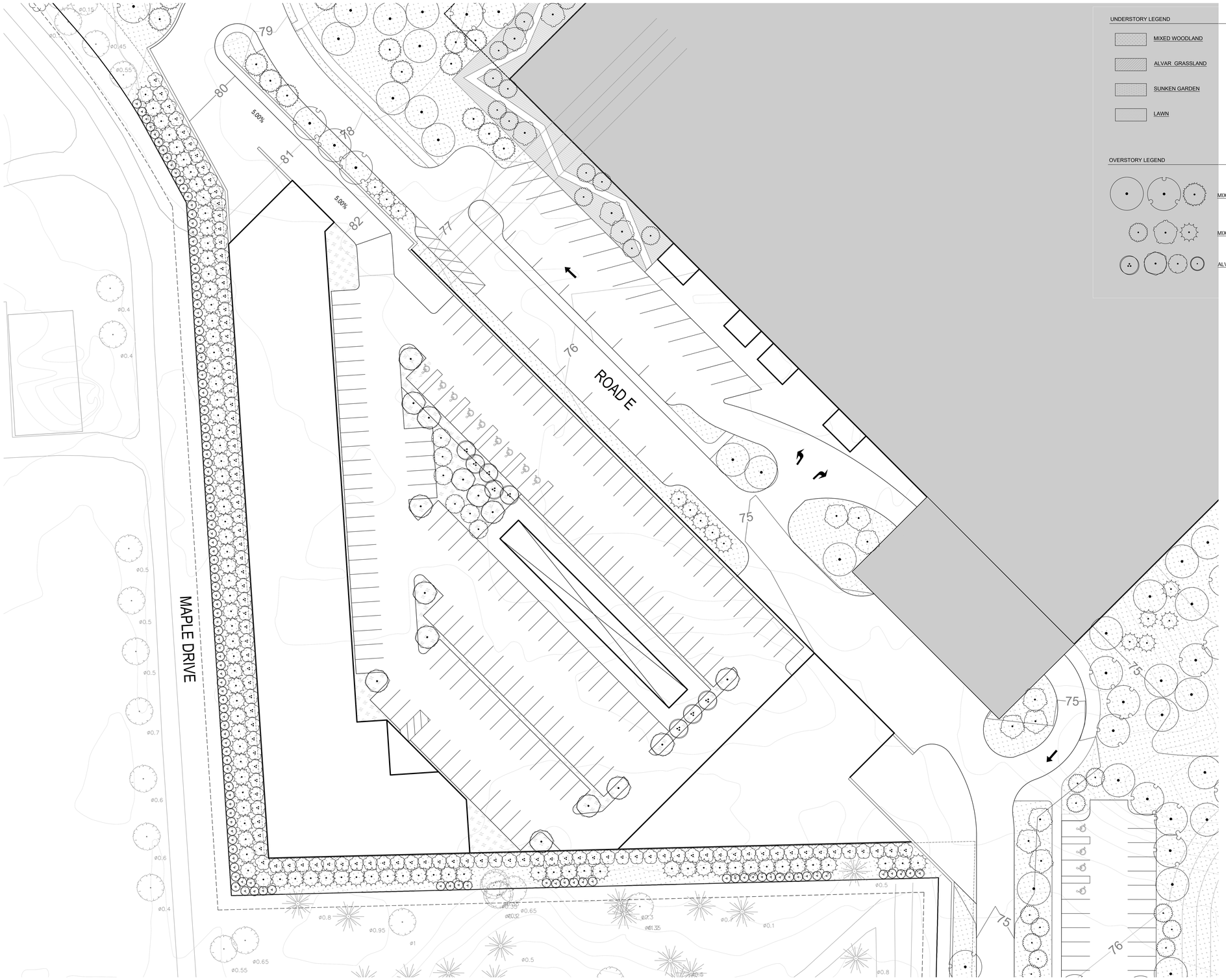
OVERSTORY PLANTING
PLAN ENLARGEMENTS

Sheet Number

L-2.2.2.805

Project Status

STAGE 3



PLAN NORTH / TRUE NORTH

0 3m 6.25m 12.5m 25m

Scale 1: 250

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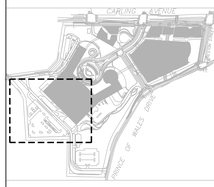

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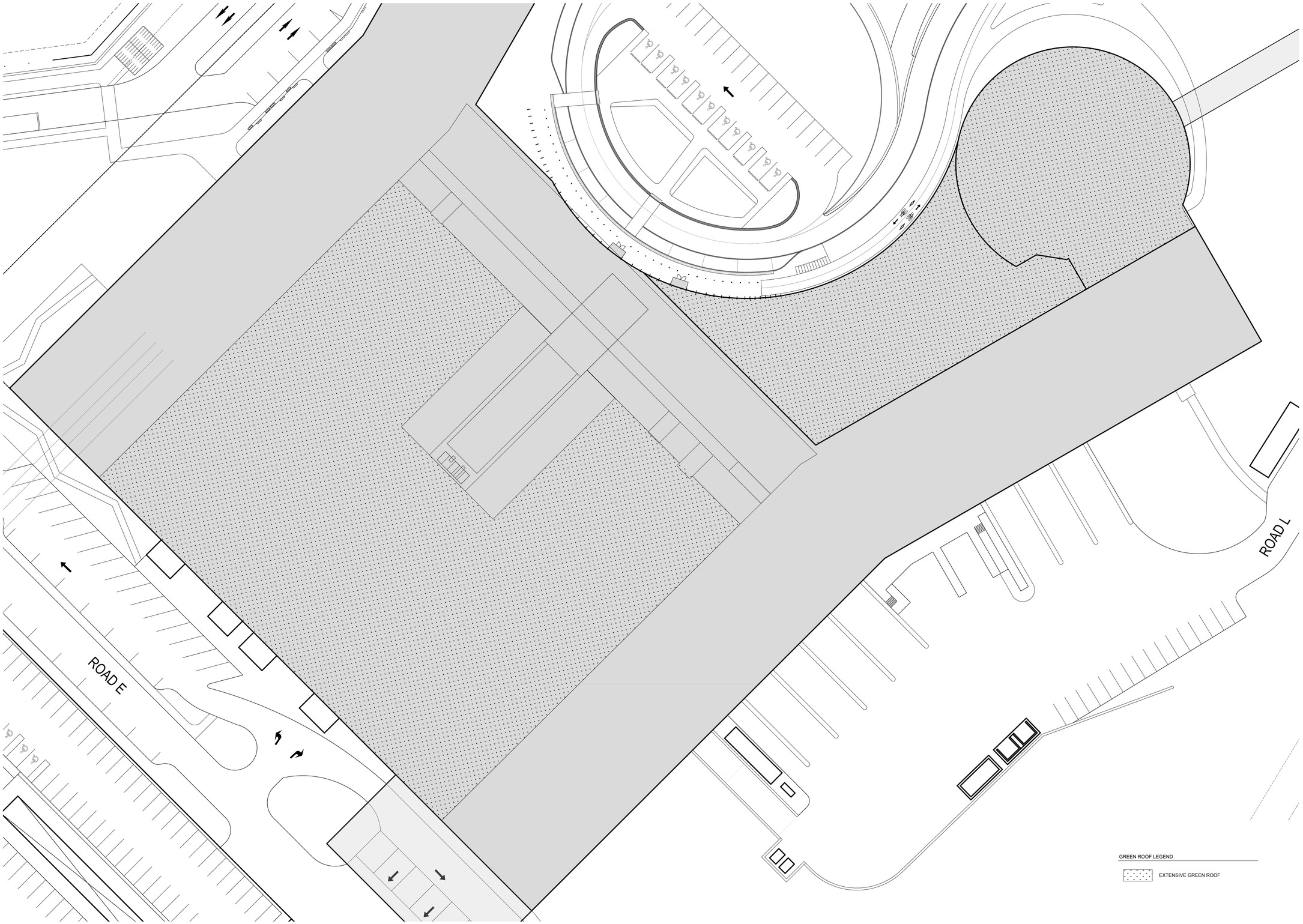
PLAN ENLARGEMENTS

Sheet Number

L-2.2.2.806

Project Status

STAGE 3



GREEN ROOF LEGEND

EXTENSIVE GREEN ROOF

PLAN NORTH

TRUE NORTH

0 6.25m 12.50m 25m

Scale 1: 250

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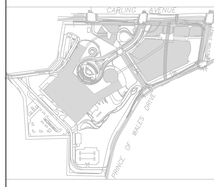
Ottawa, Ontario K1Z 6X6



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HOSPITAL & CUP

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Sheet Name

GREEN ROOF OVERALL
PLANTING PLAN

Sheet Number

L-2.2.2.851

Project Status

STAGE 3

ATTACHMENT 5

Modeled Views, September 2022

View 1: Prince of Wales Drive (Enlarged)

View 2: Prince of Wales Drive (Midway)

View 2: Prince of Wales Drive and Navy Private

View 3: Prince of Wales Drive and Preston Drive

View 4: Carling Avenue, east of the Hospital

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

View 6: Dow's Lake (1)

View 7: Dow's Lake (2)

View 7.5: Dow's Lake (3)

View 8: View from Dominion Observatory Complex

View 9: Saunders Building from Maple Drive

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

View 11: Saunders Building from front lawn

View 12: Traffic Circle on Prince of Wales Drive

View 13: Arboretum Park

View 14: Commissionaires Park