

# Wayne and William White Engineering Design Centre

The University of British Columbia, Vancouver, BC

## ARCHITECTURAL CONSTRUCTION DRAWINGS ISSUE: DEVELOPMENT PERMIT, MARCH 26, 2010

Project Description	Building Code Data	Project Statistics	Project Team	Documents List	
<b>Civic Address</b> The University Of British Columbia, 2345 East Mall, Vancouver, BC	<b>Governing Building Code</b> 2006 BCBC - Part 3 <b>Major Occupancy</b> Group A, Division 2 <b>Building Area: Outermost Walls BCBC Definition</b> 742 sm <b>Building Storey Height</b> 3 Storey + Mezzanine <b>No. Of Streets Faced</b> 2 Streets <b>Fire Protection</b> Sprinklered To NFPA-13 <b>2006 BCBC Article(s) Governing Building Size &amp; Construction</b> 3.2.2.24 Group A, Division 2, Up To 6 Storeys, Any Area, Sprinklered <b>Construction</b> Noncombustible Construction <b>Maximum Building Area</b> Any Area <b>Floor Assemblies</b> 1 H <b>Mezzanine Assemblies</b> 1 H <b>Load-bearing Assemblies</b> Fire-resistance Rating as per Supported Assembly	<b>Total Site Area</b> 1,685 Sm <b>Site Coverage</b> 44 % (Bldg Area/Site) <b>FSR</b> 1.12 (GFA/Site) <b>Building Height</b> +/- 13.215m (Ave East Mall Grade To Top Of Parapet) +/- 14.265m (Ave West Plaza Grade To Top Of Parapet) <b>Car Parking</b> N/a <b>Loading</b> 1 Stall (shared) <b>Bike Parking Equivalent to: City of Vancouver Class II Standard</b> 24 Stalls on Project Site 24 Stalls to CEME Courtyard <b>NOTE:</b> Required Bike Spaces: 1 x 16-rack per 100 people = 3x16 = 48 spaces Due to restrictions of Project Site UBC has agreed that remainder of bikes to be provided in adjacent CEME courtyard site.	<b>Client</b> UBC Properties Trust 101 - 555 Great Northern Way Vancouver, V5T 1E2 T: 604 731 3103 F: 604 731 2130 E: denglish@ubcproperties.com Contact: David English <b>Architect</b> McFarland Marceau Architects Ltd 303 - 2930 Arbutus Street Vancouver, V6J 3Y9 T: 604 733 1115 F: 604 733 9345 E: mchevalier@mml.ca Contact: Mark Chevalier <b>Construction Management</b> VanMar Constructors Inc 9110 - 196A Street Langley, V1M 3B4 T: 604 882 0700 x224 F: 604 882 0770 E: robert@vanmarconstructors.com Contact: Robert Horvath <b>Code Consultant</b> GHL Consultants Ltd 950 - 409 Granville Street Vancouver, V6C 1T2 T: 604 689 4449 x105 F: 604 689 4419 E: dg@ghl.ca Contact: David Graham <b>Envelope Consultant</b> Spratt Emanuel Engineering Ltd 2348 Yukon Street Vancouver, V5Y 3T6 T: 604 872 1211 F: 604 872 1274 E: see@telus.net.com Contact: Colin Hadden <b>Civil Engineer</b> Core Group Consultants 320 - 8988 Fraser Court Burnaby, V5J 5H8 T: 604 299 0605 F: 604 299 0629 E: cnolan@coregroupconsultants.com Contact: Cormac Nolan	<b>Geotechnical Engineer</b> GeoPacific Consultants Ltd 410 - 1200 West 73rd Avenue Vancouver, V6P 6G5 T: 604 439 0922 F: 604 439 9189 E: kokan@geopacific.ca Contact: Matt Kokan <b>Landscape Architect</b> Perry + Associates 200 - 1558 West 6th Avenue Vancouver, V6J 1R2 T: 604 738 4118 F: 604 738 4116 E: mp@perryandassociates.ca Contact: Michael Patterson <b>Structural Engineer</b> Fast + Epp 201 - 1672 West 1st Avenue Vancouver, V6J 1G1 T: 604 731 7412 F: 604 731 7620 E: pfast@fastepp.com Contact: Paul Fast <b>Mechanical Engineer</b> Stantec Consulting Inc 1100 - 111 Dunsmuir Street Vancouver, V6B 6A3 T: 604 696 8088 F: 604 696 8100 E: kevin.anthony@stantec.com Contact: Kevin Anthony <b>Electrical Engineer</b> Acumen Engineering Ltd 650 - 2700 Production Way Burnaby, V5A 4X1 T: 604 676 9545 F: 604 676 9544 E: glenn@acumenengineering.ca Contact: Glenn Granstrom <b>Acoustic Consultant</b> BKL Consultants Ltd 308 - 1200 Lynn Valley Road North Vancouver, V7J 2A2 T: 604 988 2508 F: 604 988 7457 E: gaudet@bkl.ca Contact: Mark Gaudet	<b>A000</b> Cover Sheet <b>A001</b> Context Plan - Proposed <b>A002</b> Site Plan <b>A111</b> Main Floor Plan <b>A112</b> Mezzanine Plan <b>A113</b> 2nd Floor Plan <b>A114</b> 3rd Floor Plan <b>A115</b> Roof Plan <b>A301</b> Elevations N & E <b>A302</b> Elevations S & W <b>A401</b> Sections A-A & B-B <b>A402</b> Sections C-C & D-D <b>A403</b> Section E-E

### Zoning Setbacks & Height

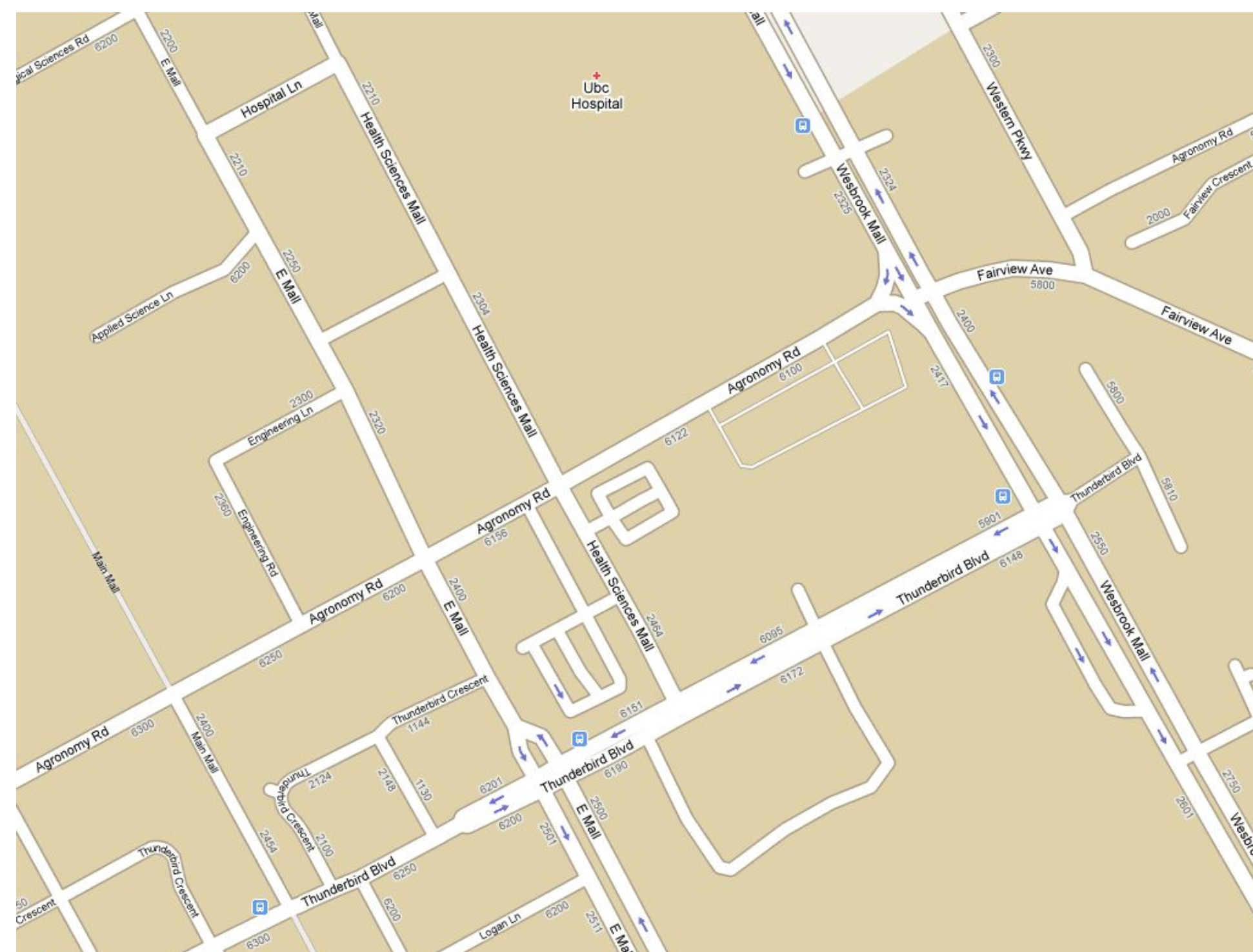
9.900m	Front Yard Setback: Level 1 + Mezzanine
6.700m	Front Yard Setback: Level 2 + Level 3
3.500m	North Side Yard Setback
2.435m	South Side Yard Setback
16.250m	West Rear Yard Setback
14.435m	Height: West Plaza Grade to T/O Roof Edge Curb
All Setbacks Measured to O/S Face of Wall	

### FSR Calculations

Level	Gross Floor Areas (GFA)
Level 1	681 sm
Mezz.	87 sm (Excl 108 sm M+E Room)
Level 2	581 sm
Level 3	573 sm
<b>Total</b>	<b>1,922 sm</b>

### Mezzanine Areas

<b>40%</b>	Rooms 102/M102 Design Studio Open Mezzanine * M102 Mezzanine Area * 102 Room Area
<b>61 sm</b>	
<b>152 sm</b>	
<b>Exempt</b>	Rooms M160/M170/M170A/M170B/M170C M+E * M+E Rooms Enclosed Service Mezzanine Area Complies to BCBC 3.2.1.1 Exemption from Mezzanine / Storey Calculation



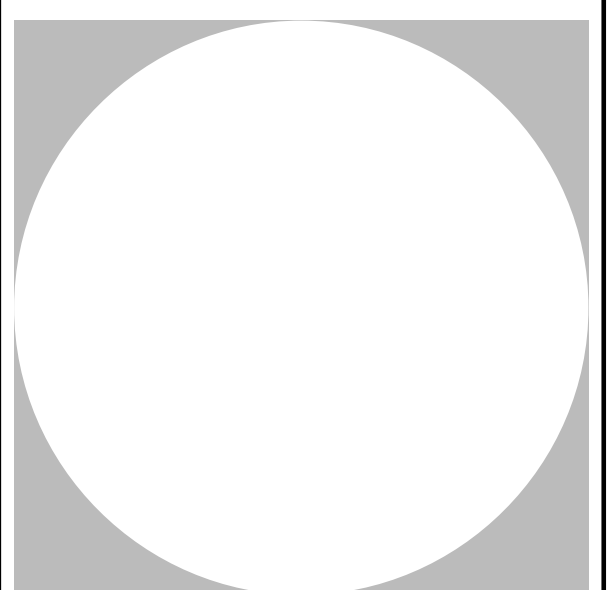
Location Plan

ISSUE / REVISION:		
No.	Date	Description
-	2008.07.29	ISSUED FOR ADVISORY DESIGN PANEL
-	2008.07.29	ISSUED FOR DP APPLICATION
-	2008.08.08	ISSUED FOR COSTING AND COORDINATION
-	2009.06.25	ISSUED FOR COSTING AND COORDINATION
-	2009.08.14	DESIGN DEVELOPMENT SIGN OFF
-	2010.02.02	AUDP UPDATE
-	2010.03.26	DEVELOPMENT PERMIT

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LMAL Project No.: 0803

File name: 0803 CD Plans + Site Plans

### PROJECT TITLE:

**WAYNE and WILLIAM  
WHITE**

**ENGINEERING  
DESIGN CENTRE  
UBC**

### PROJECT PHASE:

**Dev Permit Documents**

### DRAWING TITLE:

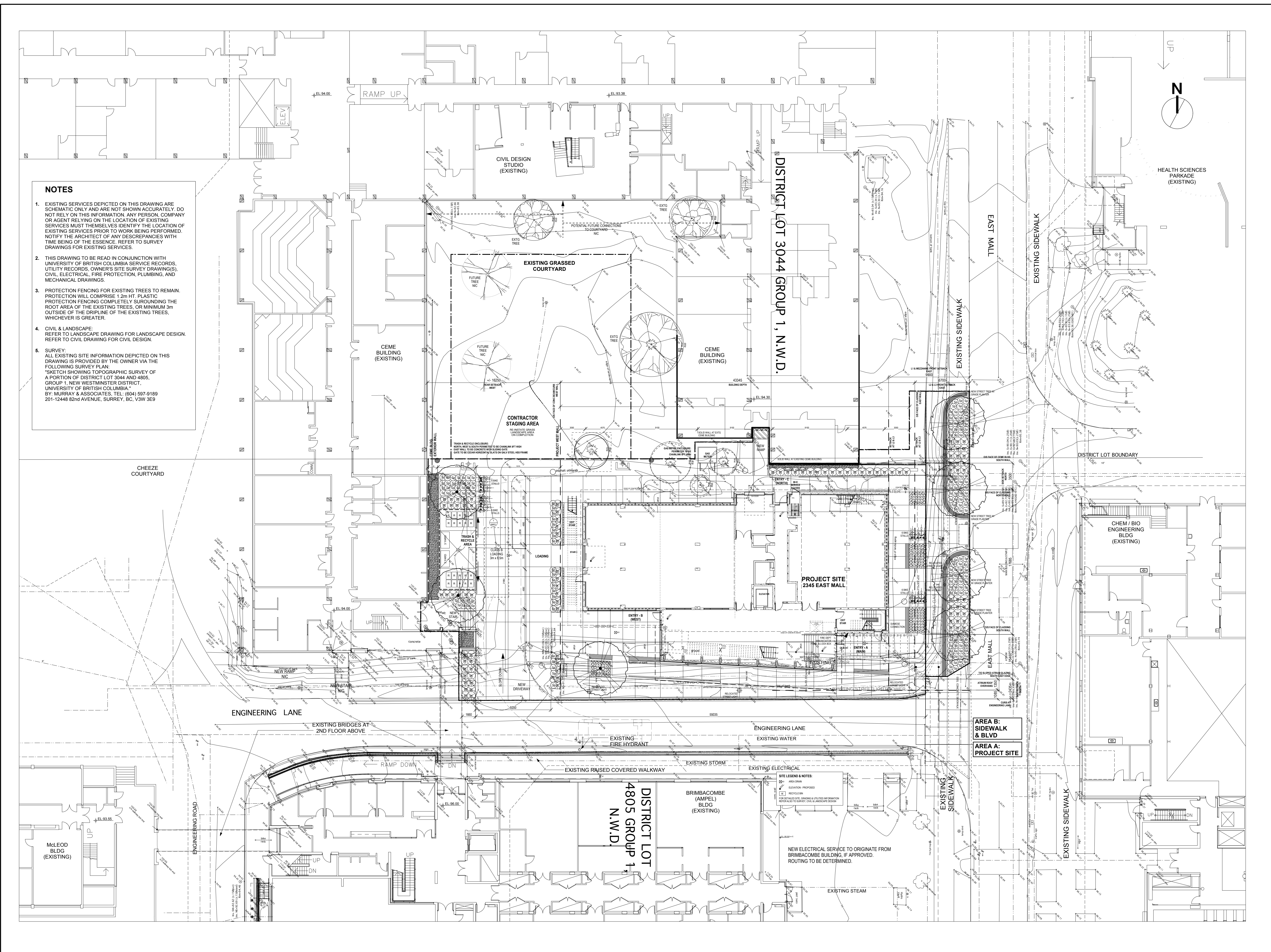
**COVER SHEET**

Date Plotted:  
 Scale: 1:200  
 Drawn:  
 Checked:

### DRAWING NUMBER:

**A000**





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- PROTECTION FENCING FOR EXISTING TREES TO REMAIN. PROTECTION WILL COMPRISE 1.2m HT. PLASTIC PROTECTION FENCING COMPLETELY SURROUNDING THE ROOT AREA OF THE EXISTING TREES, OR MINIMUM 3m OUTSIDE OF THE DRIPLINE OF THE EXISTING TREES, WHICHEVER IS GREATER.
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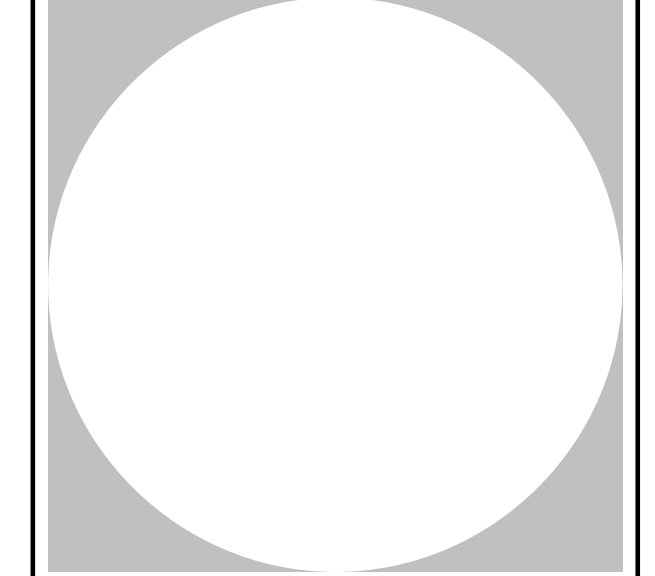
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LMAL Project No.: 0803  
 File name: 0803 CD Plans + Site Plans

**PROJECT TITLE:**

**WAYNE and WILLIAM WHITE**

**ENGINEERING DESIGN CENTRE UBC**

**PROJECT PHASE:**

**Dev Permit Documents**

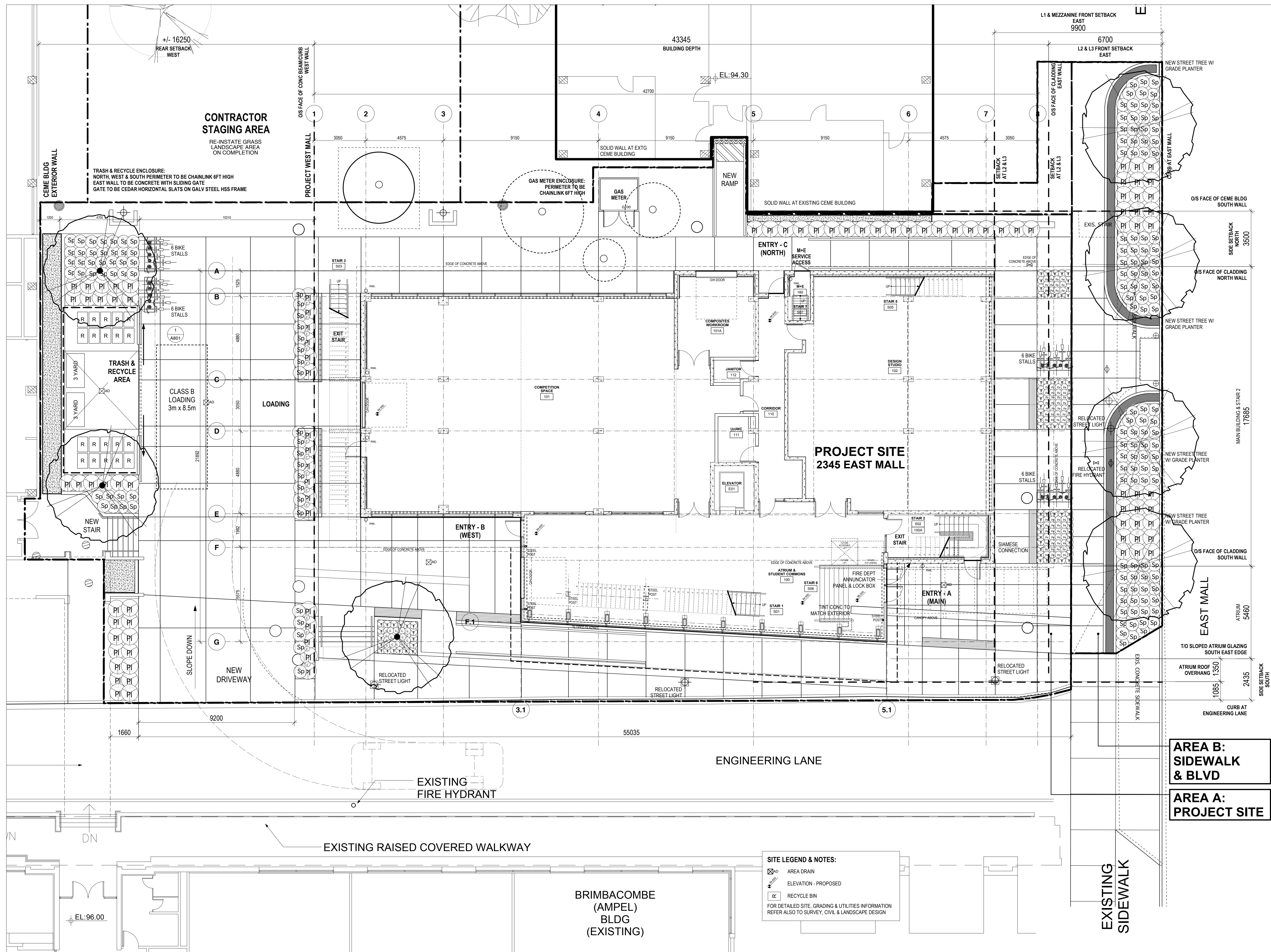
**DRAWING TITLE:**

**CONTEXT PLAN PROPOSED**

Date Plotted:  
 Scale: 1:200  
 Drawn:  
 Checked:

**DRAWING NUMBER:**

**A001**



**SITE LEGEND & NOTES:**

- ⊗ AD AREA DRAIN
- ⊕ ELEVATION - PROPOSED
- ♻️ RECYCLE BIN

FOR DETAILED SITE, GRADING & UTILITIES INFORMATION REFER ALSO TO SURVEY, CIVIL & LANDSCAPE DESIGN

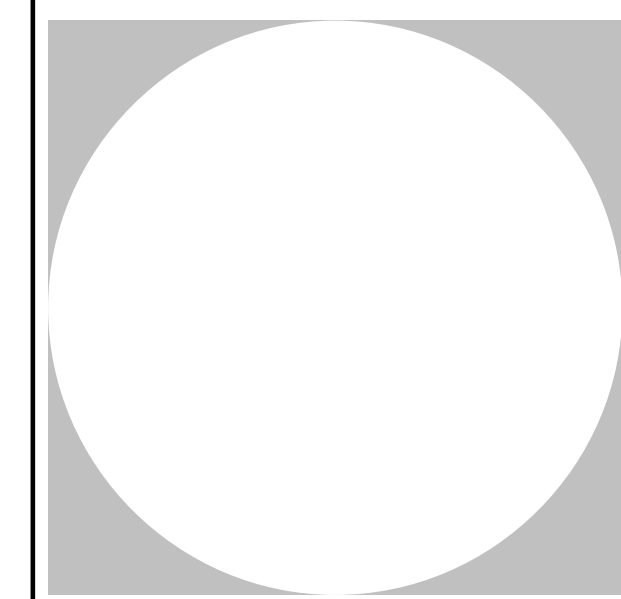
**ISSUE / REVISION:**

No.	Date	Description
-	2008.08.18	START CONSTRUCTION DOCUMENTS
-	2009.08.26	25% CONSTRUCTION DOCUMENTS
-	2009.09.17	50% CONSTRUCTION DOCUMENTS
-	2010.02.02	AUDP UPDATE
-	2010.03.26	DEVELOPMENT PERMIT

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**PROJECT PHASE:**  
**Dev Permit Documents**

**DRAWING TITLE:**  
**SITE PLAN**

Date Plotted: 1:200  
 Scale:  
 Drawn:  
 Checked:

**DRAWING NUMBER:**  
**A002**