UBC - PUMP HOUSE REPLACEMENT PROJECT

VANCOUVER, BC



ISSUED FOR DEVELOPMENT PERMIT

SEPTEMBER 05, 2019

PROJECT NO. 115618106

CLIENT

THE UNIVERSITY OF BRITISH COLUMBIA 1100 - 2329 West Mall Vancouver, B.C. V6T 1Z4

Elizabeth Mosier 604.822.5746

MECHANICAL ENGINEERS

STANTEC CONSULTING LTD.

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ELECTRICAL ENGINEERS

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Stella Li, P.Eng, PE 604.587.8479 ARCHITECT

STANTEC ARCHITECTURE

1100 - 111 Dunsmuir Street Vancouver, B.C. V6B 6A3

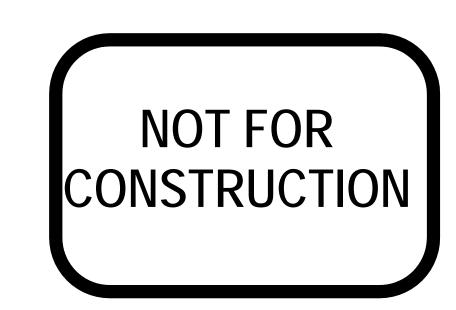
Colleen Dixon, Architect AIBC 604.696.8065

STRUCTURAL ENGINEERS

STANTEC CONSULTING LTD.

1100 - 111 Dunsmuir Street Vancouver, B.C. V6B 6A3

Prem Chane, M.Eng 604.696.8094







PROJECT STATISTICS TOTAL SITE AREA: 485.15 SM SITE COVERAGE: 113.6 SM GROSS FLOOR AREA: 155.6 SM LEVEL 1: 113.6 SM LEVEL 2: 42.0 SM NET FLOOR AREA: 117 SM LEVEL 1: 93 SM LEVEL 2: 24 SM BUILDING HEIGHT: 10.09 M SETBACKS: SOUTH (UNIVERSITY BLVD): 9.3M NORTH: N/A EAST: N/A WEST: N/A FSR: 0.32

ORIGINAL SHEET - ARCH D

BUILDING STATISTICS

PROJECT: UBC PUMPHOUSE 115618354

ADDRESS: EDUCATION RD, VANCOUVER, BC

ARCHITECTURAL DESIGN SUMMARY

FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY (BCBC 2018 PART 3 - DIVISION B)

BCBC 2018 DIVISION B - PART 3 - GENERAL

a. MAJOR OCCUPANCY CLASSIFICATION (3.1.2.1): GROUP F, DIVISION 3

b. OTHER INTENDED OCCUPANCY GROUP(S): N/A c. BUILDING AREA(S): 149 SQUARE METRES

d. BUILDING HEIGHT: 2 STOREYS FACING NUMBER OF STREETS: 2 e. BUILDING IS SPRINKLERED: YES

f. FIREWALL(S): **N/A** g. HIGH BUILDING: NO h. ALTERNATIVE SOLUTION(S): NO

i. DESIGN OCCUPANT LOAD:

BCBC 2018 SECTION 3.2 - BUILDING FIRE SAFETY 3.2.2 - BUILDING SIZE AND CONSTRUCTION RELATIVE TO OCCUPANCY

a. CONSTRUCTION ARTICLE(S): 3.2.2.80 GROUP F DIVISION 3, ANY HEIGHT, ANY AREA, SPRINKLERED b. CONSTRUCTION: NON-COMBUSTIBLE OR COMBUSTIBLE CONSTRUCTION, USED SINGLY OR IN COMBINATION

c. FLOOR ASSEMBLY OF BASEMENT (3.2.1.4 & 3.2.1.5): **1 HOUR FS**

d. Crawl Space: **N/A** e. OTHER FLOOR ASSEMBLIES: 1 HOUR FS

f. MEZZANINE ASSEMBLIES: **N/A** g. ROOF ASSEMBLY: N/A

h. LOAD BEARING BEAMS AND COLUMNS: 1 HOUR FRR

BCBC 2018 SECTION 3.2.3 - SPATIAL SEPARATION

a. LIMITING DISTANCE: N/A EXPOSING BUILDING FACE: N/A b. UNPROTECED OPENINGS: N/A

c. FRR: N/A SOUTH WALL

a. LIMITING DISTANCE: N/A EXPOSING BUILDING FACE: N/A

b. UNPROTECED OPENINGS: N/A c. FRR: **N/A**

EAST WALL

a. LIMITING DISTANCE: 2.95 METRES EXPOSING BUILDING FACE: 59.22 SQ. METRES

b. UNPROTECED OPENINGS: 13% ALLOWABLE > 0% ACTUAL c. FRR: 1 HR CONSTRUCTION: NON-COMBUSTIBLE CLADDING: NON-COMBUSTIBLE

WEST WALL a. LIMITING DISTANCE: 9 METRES EXPOSING BUILDING FACE: 120 SQ. METRES

b. UNPROTECED OPENINGS: 100% ALLOWABLE > 24% ACTUAL c. FRR: N/A CONSTRUCTION: NON-COMBUSTIBLE CLADDING: NON-COMBUSTIBLE

BCBC 2018 SECTION 3.4 - EXITS

a. MINIMUM TWO EXITS [3.4.2.1.(1)] REQUIRES. NUMBER OF EXITS PROVIDED: 1

b. MEZZANINE EXITS/EGRESS STAIRS: **N/A**

c. DISTANCE BETWEEN EXITS = 10.1M > 1/2 DIAGONAL (N/A) **d**. TRAVEL DISTANCE (3.4.2.5): **25M**

DRAWING LIST

ARCHITECTURAL

SHEET LIST & STATISTICS A002 CONTEXT PLAN

A004 **EXISTING PLAN**

A005 SITE PLAN

A101 LEVEL 1 & 2 PLANS & SECTIONS A102 ROOF & BASEMENT PLAN

A301 **ELEVATIONS ENLARGED ELEVATIONS** A302

A303 PERSPECTIVES

MECHANICAL

PUMP STATION GENERAL ARRANGEMENT

PUMP STATION GENERAL ARRANGEMENT – PLAN M102 PUMP STATION GENERAL ARRANGEMENT – SECTION

M103 PUMP STATION GENERAL ARRANGEMENT – SECTION M104 PUMP STATION GENERAL ARRANGEMENT - SECTION

PROCESS & INSTRUMENTATION DIAGRAM PUMP STATION

M105 PUMP STATION ISOMETRIC

FLOWMETER CHAMBER PLANS AND SECTIONS M110

PROCESS

ELECTRICAL

ELECTRICAL SITEPLAN ELECTRICAL LEVEL 1 & LEVEL 2 POWER PLAN E102

E601 ELECTRICAL SINGLE LINE DIAGRAM

LANDSCAPE L-101 LANDSCAPE LAYOUT AND MATERIAL PLAN

L-201 **GRADING PLAN** L-301 PLANTING

C-SK-001 WATERMAIN INSTALLATION PLAN

C-001 CIVIL NOTES

600 MM SUCTION WATERMAIN - PLAN & PROFILE

C-003 500 MM DISCHARGE WATERMAIN - PLAN & PROFILE C-004 CIVIL WORK MISCELLANEOUS DETAILS

PUMP STATION FLOOR DRAIN - PLAN & PROFILE



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Notes

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Client/Project Logo



Client/Project

UBC PUMP HOUSE

SHEET LIST AND STATISTICS

Project No. 115618354

Revision

1:50 Drawing No.

Scale

Consultant MAIN MALL Notes HENRY ANGUS BUILDING DAVID LAM MANAGEMENT RESEARCH CENTRE SAUDER SCHOOL OF NEVILLE SCARFE BUILDING SAUDER LANE TEMPORARY _GAS METER ____ PUMP HOUSE GAS METER ___ **EDUCATION ROAD** ISSUED FOR DP Issued POWER HOUSE THEATRE FILM DORTHY SOMERSET STUDIOS File Name: N/A PRODUCTION LEONARD S. KLINCK Permit/Seal BUILDING B.C. BINNING STUDIOS AUDAIN ART CENTRE/ SPRUCE HOUSE JACK BELL BUILDING SCHOOL OF SOCIAL WORK FIREHALL Client/Project WEST MALL **EXISTING CONTEXT PLAN** 0 5m 10m 25m
Scale 1: 500 A002 1:500 Project No. 115618354 Revision

ORIGINAL SHEET - ARCH D



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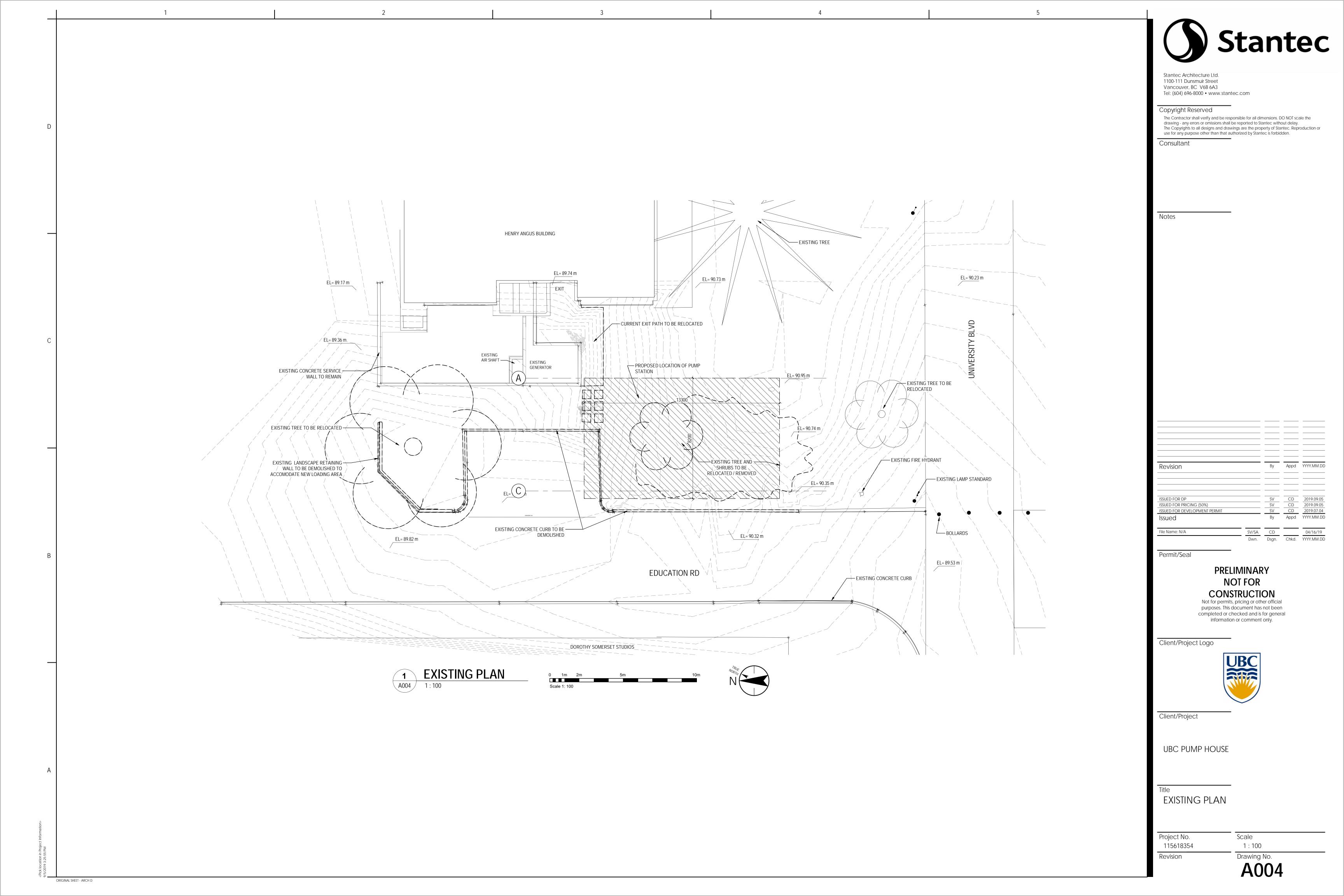


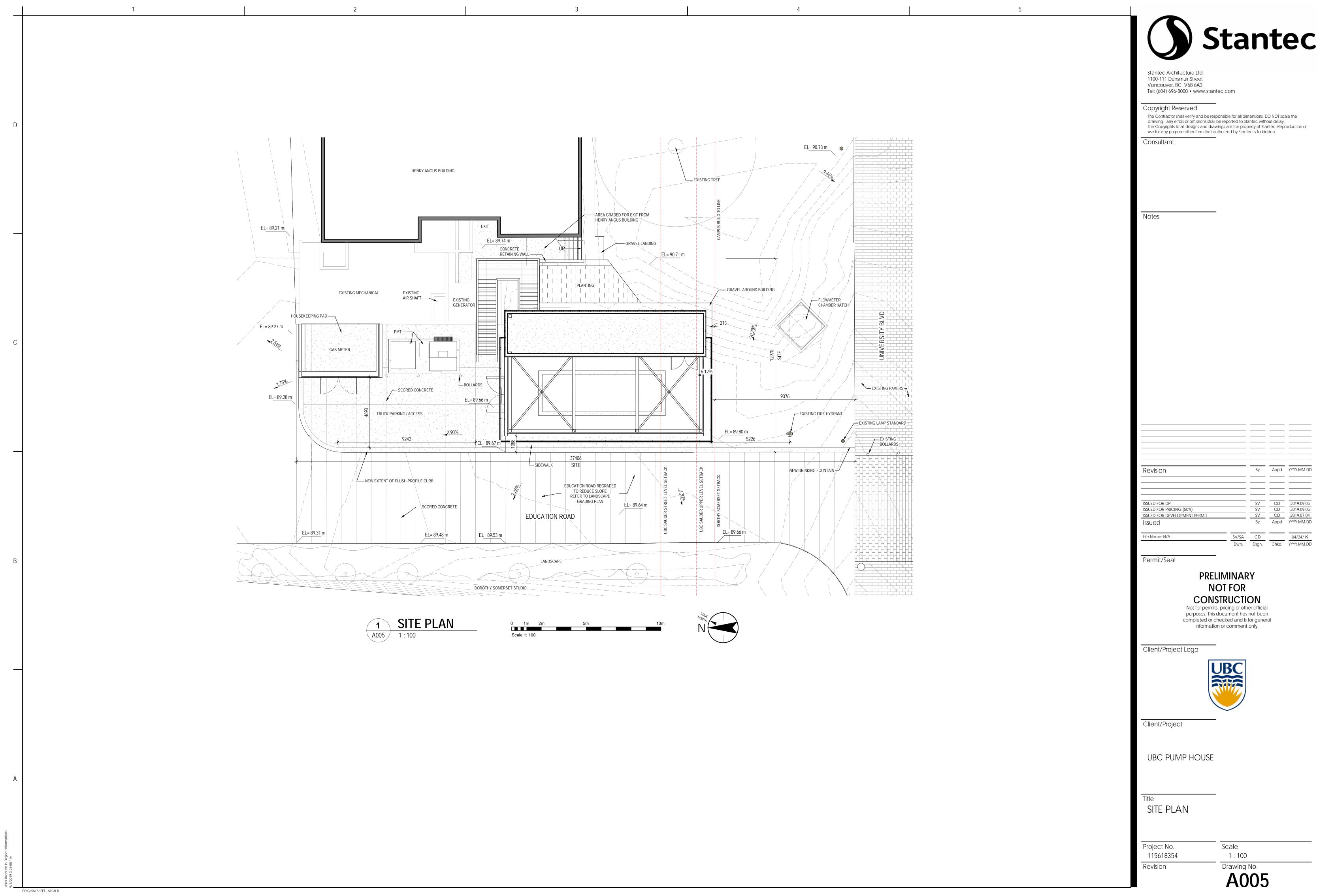
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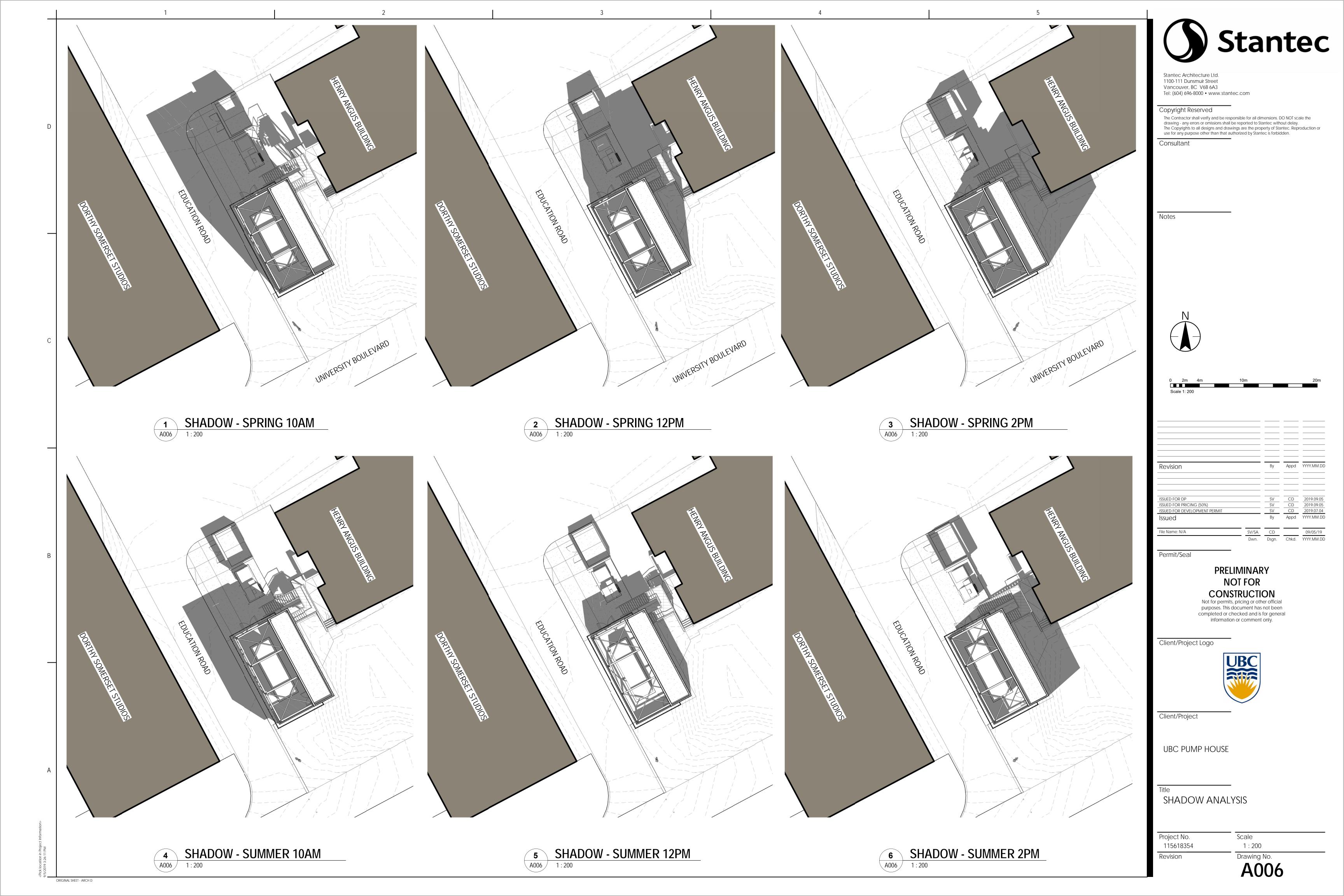
CONTEXT PLAN

Scale 1:500

Drawing No.
A002





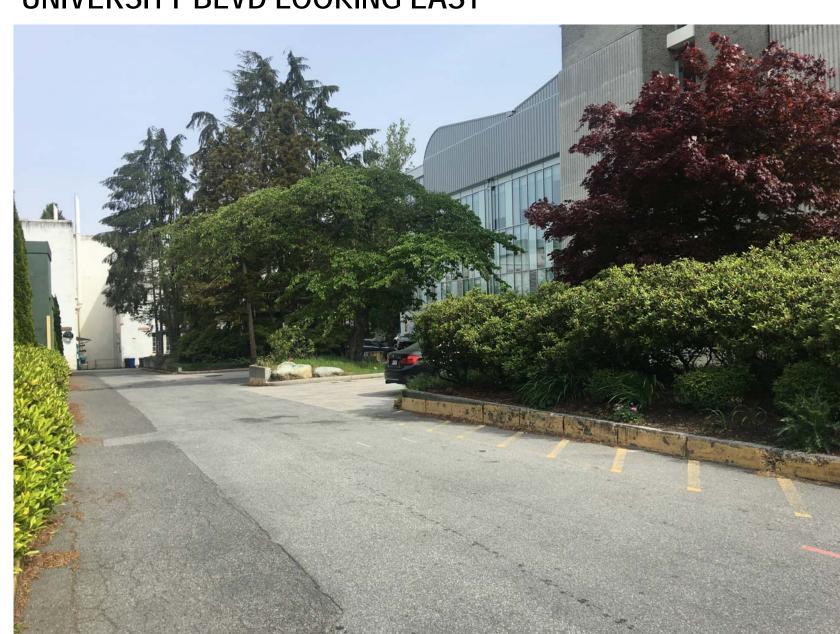




UNIVERSITY BLVD EXISTING STREET ELEVATION



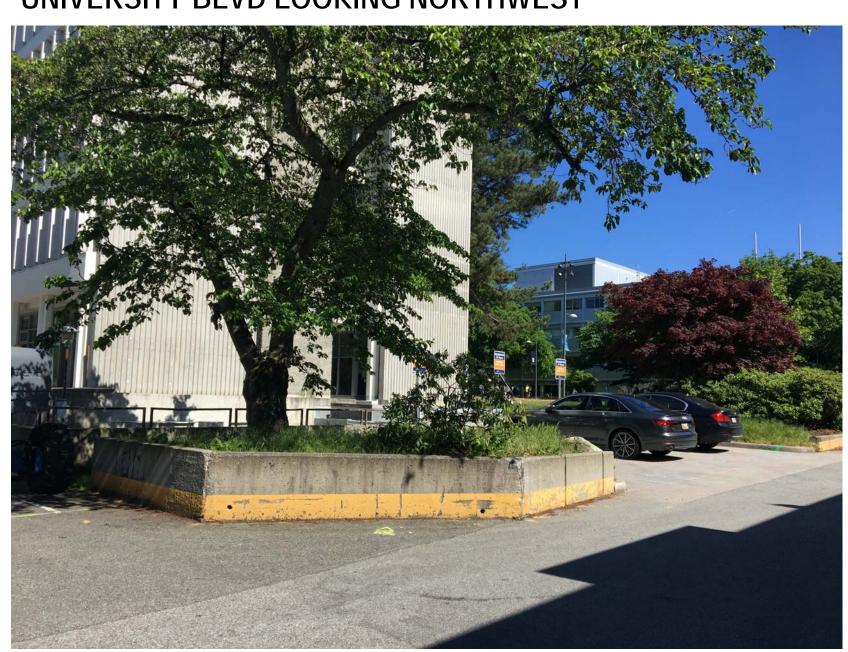
UNIVERSITY BLVD LOOKING EAST



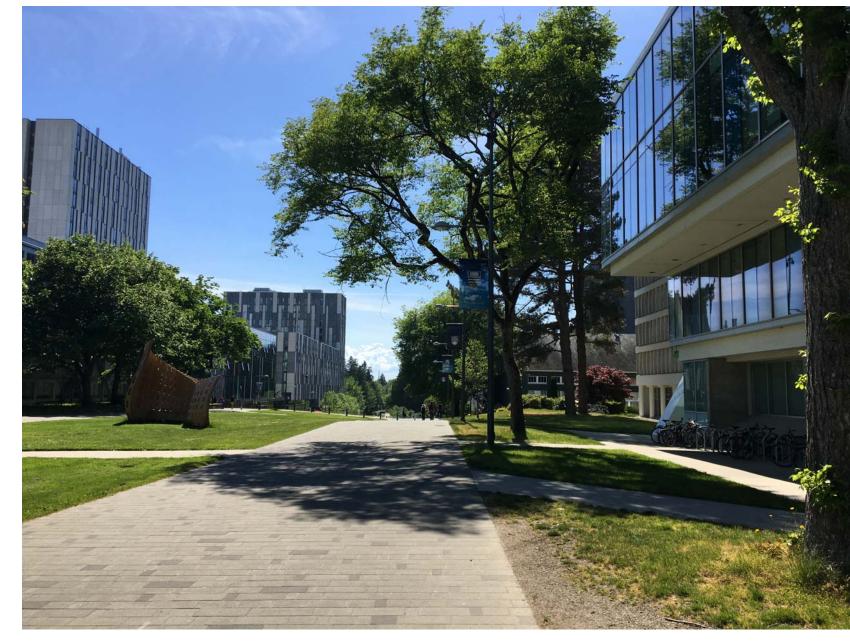
EDUCATION RD. LOOKING NORTH



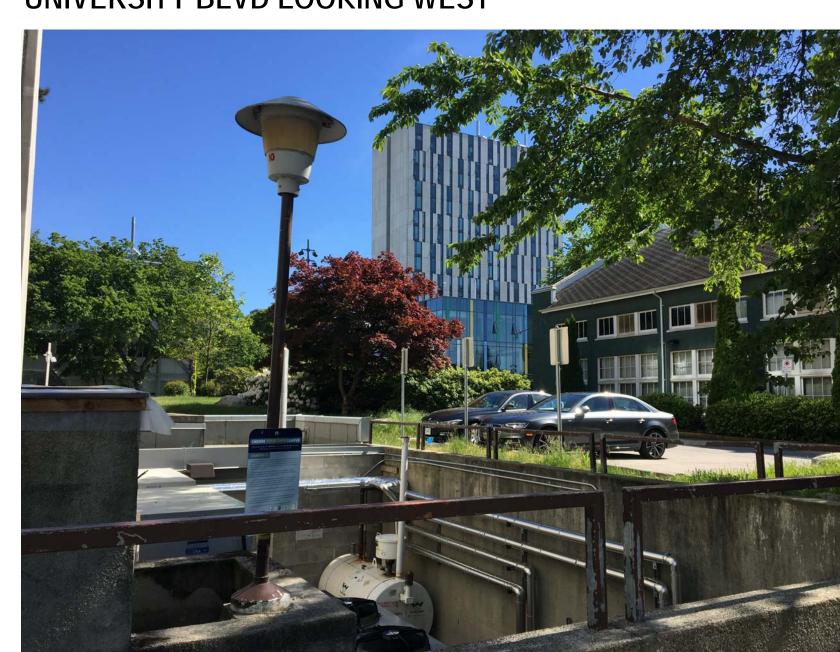
UNIVERSITY BLVD LOOKING NORTHWEST



EDUCATION RD. LOOKING SOUTHEAST



UNIVERSITY BLVD LOOKING WEST



VIEW FROM EXISTING SERVICE AREA



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ISSUED FOR DP		SV	CD	2019.09.05
ISSUED FOR PRICING (50%)		SV	CD	2019.09.05
ISSUED FOR DEVELOPMENT PERMIT		SV	CD	2019.07.04
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File Name: N/A	SV/SA	CD		09/05/19
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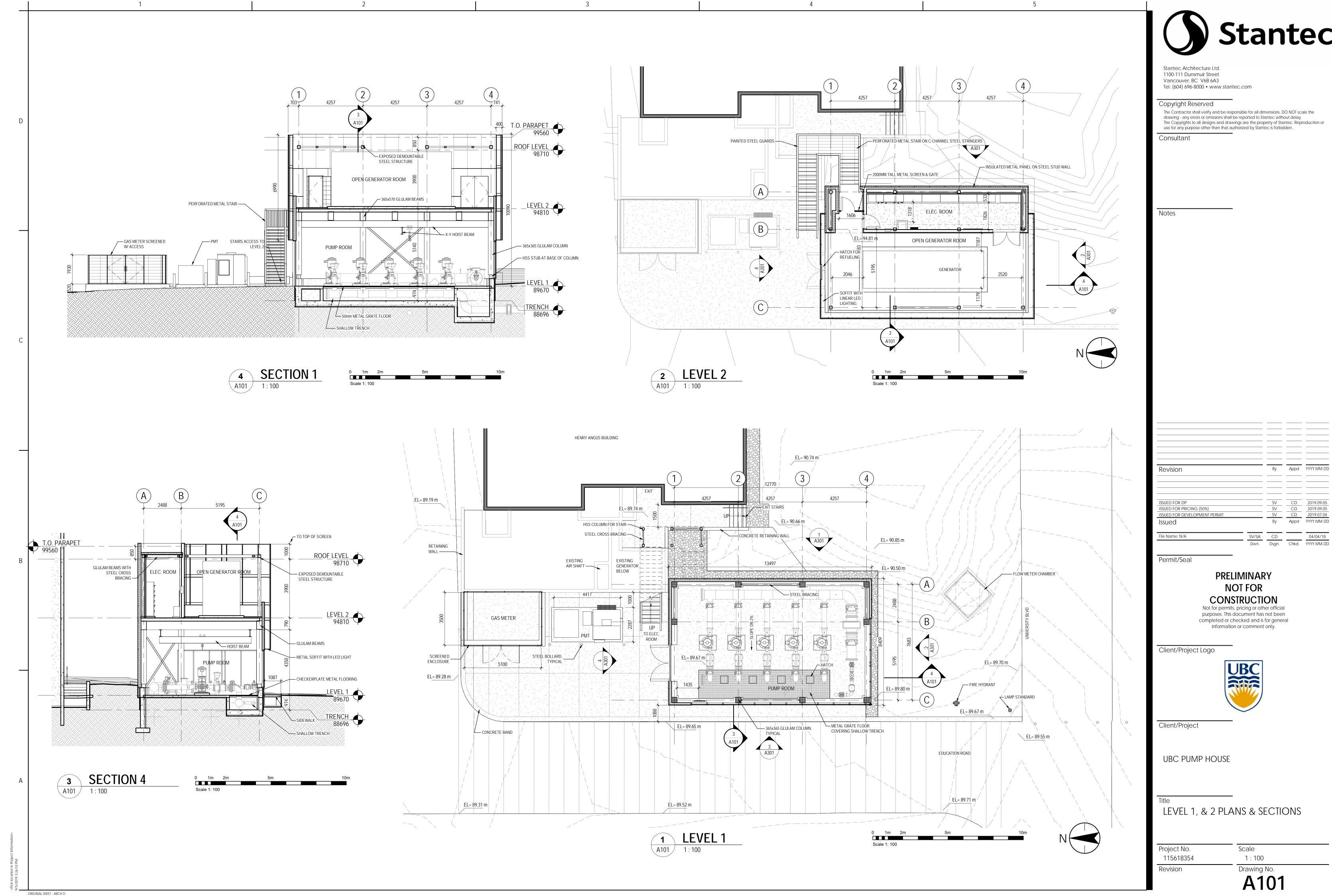
Title
SITE PHOTOS

Project No. 115618354

Revision

Scale

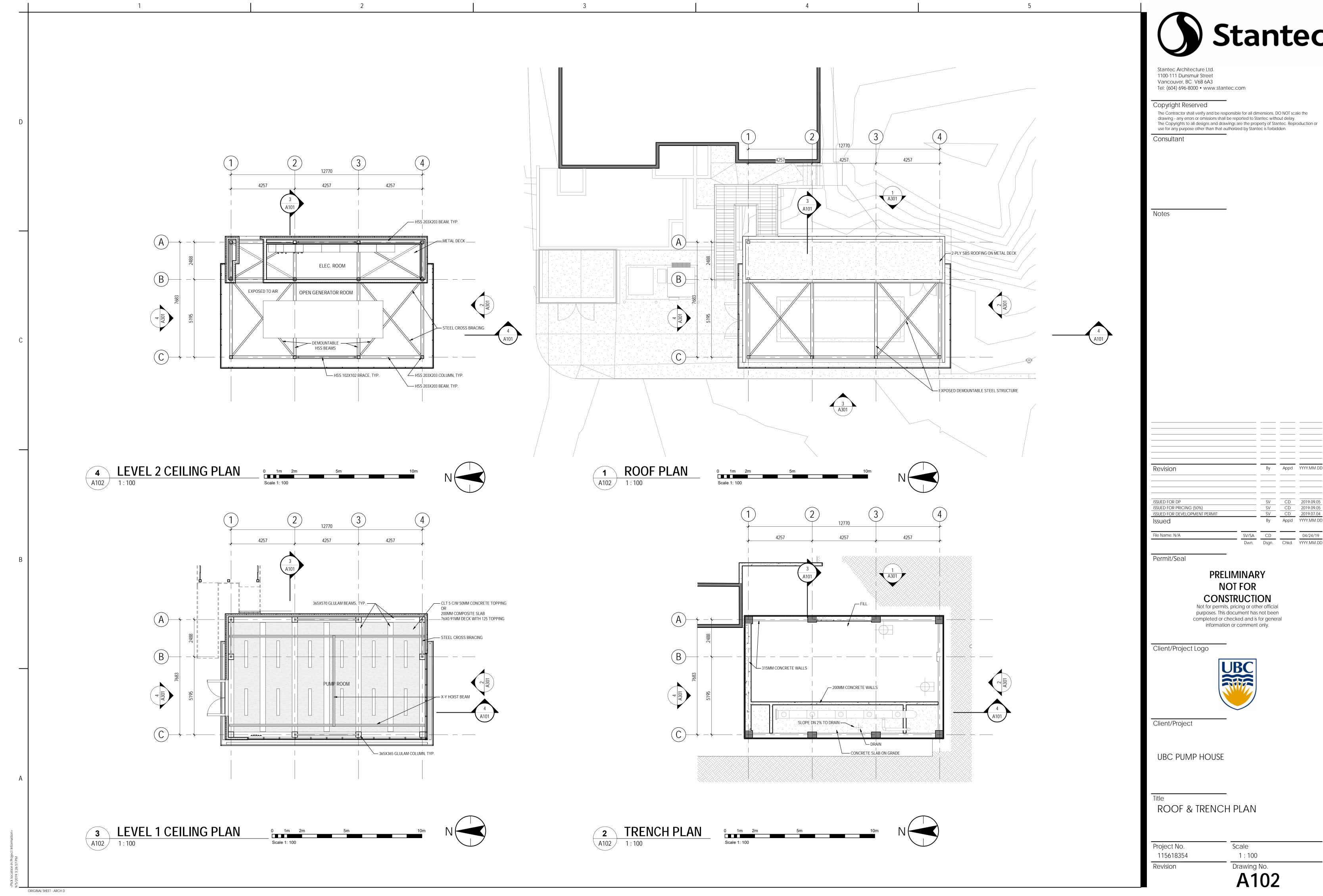
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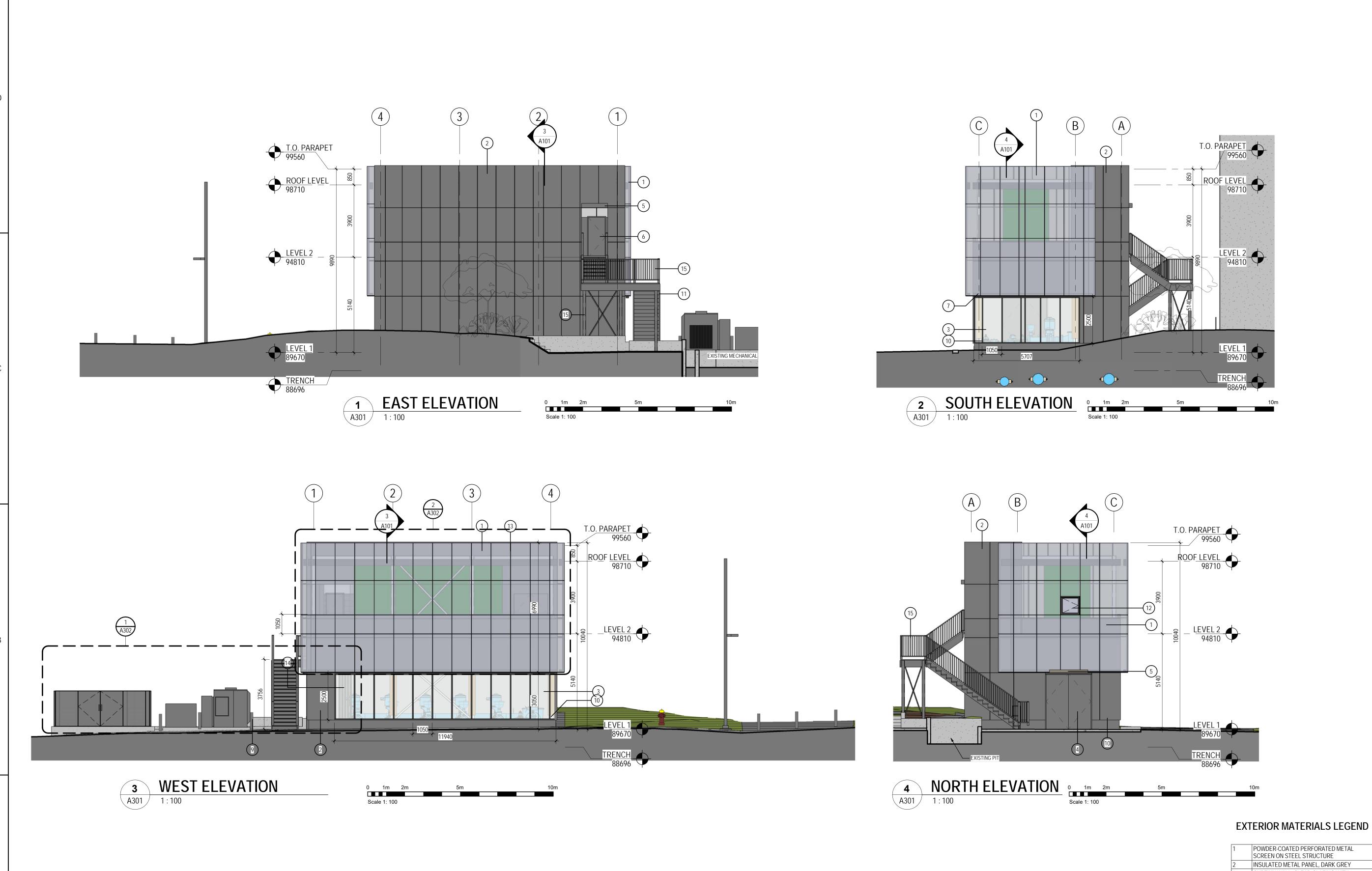


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UBC PUMP HOUSE

Revision

ELEVATIONS

Project No. 115618354

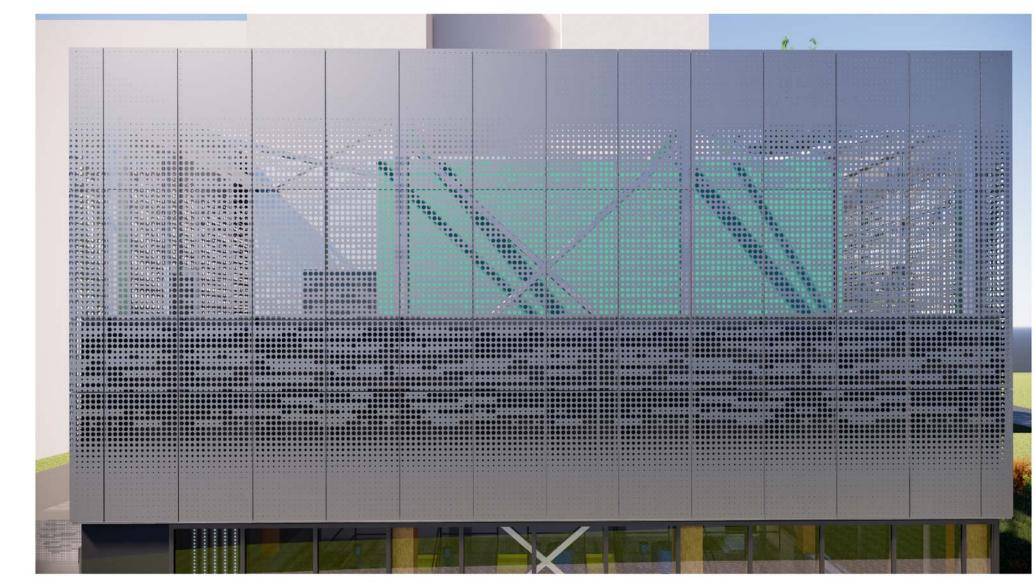
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A301

Scale

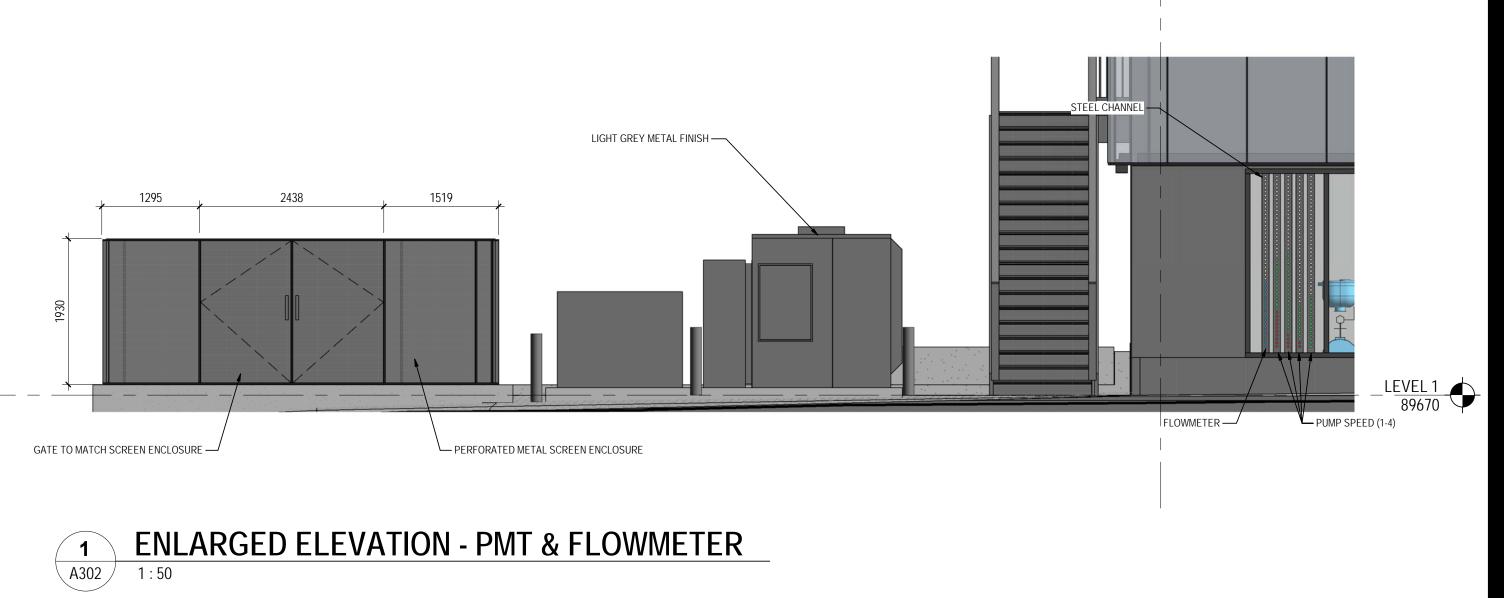
ORIGINAL SHEET - ARCH D

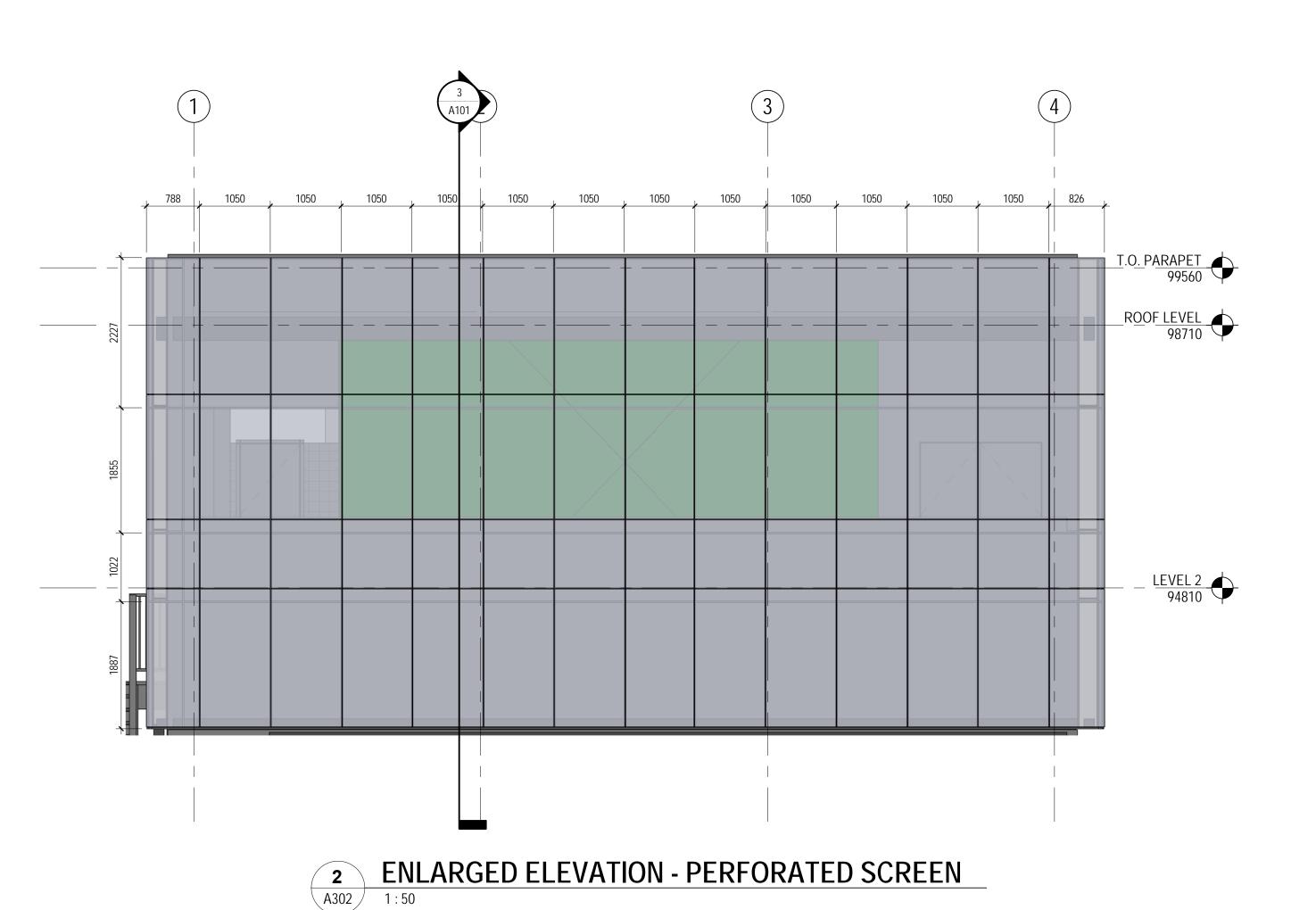
	SCREEN ON STEEL STRUCTURE
2	INSULATED METAL PANEL, DARK GREY
3	CURTAIN WALL, CLEAR GLAZING WITH CHARCOAL ALUMINUM MULLIONS
4	PAINTED ALUMINUM DOOR, DARK GREY
5	EXTERIOR LED LIGHTING
6	PERFORATED METAL DOOR TO MATCH SCREEN
7	LED LIGHTING STRIP ON UNDERSIDE OF SCREEN
9	36" TALL, 6" STATIONARY BOLLARD, UBC GREY TO MATCH EXISTING
10	METAL PANEL OVER PROTECTION BOARD AND INSULATION ON FOUNDATION WALL
11	STEEL STAIR WITH PERFORATED EXPANDED STEEL TREADS
12	HATCH
13	REVEAL
14	LED FLOWMETER DISPLAY
15	PAINTED STEEL

PUBLIC FLOWMETER DISPLAY



STAINLESS STEEL PERFORATED SCREEN PATTERN







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Revision

UBC PUMP HOUSE

ENLARGED ELEVATIONS

Scale Project No. 115618354 1 : 50

Drawing No.
A302

ORIGINAL SHEET - ARCH D

VIEW FROM UNIVERSITY BLVD - LOOKING EAST







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PERSPECTIVES

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Project No. 115618354 Scale

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A303



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