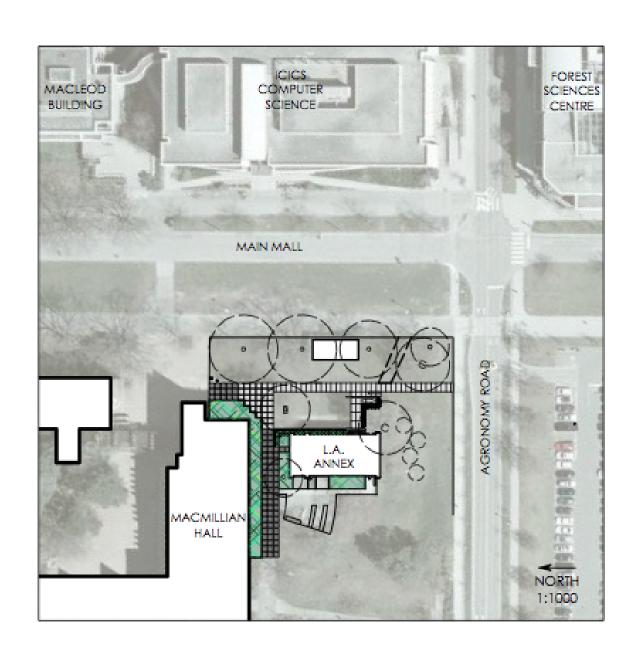
UBC Social Ecological Economic Development Studies (SEEDS) Student Report

Landscape Architecture Annex Raingarden Design
Emily Nixon, Christine Wilson
University of British Columbia
LARC 581B

June 17, 2011

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UNIVERSITY OF BRITISH COLUMBIA

LANDSCAPE ARCHITECTURE ANNEX RAINGARDEN DESIGN

2357 MAIN MALL VANCOUVER, BC

DRAWN BY:

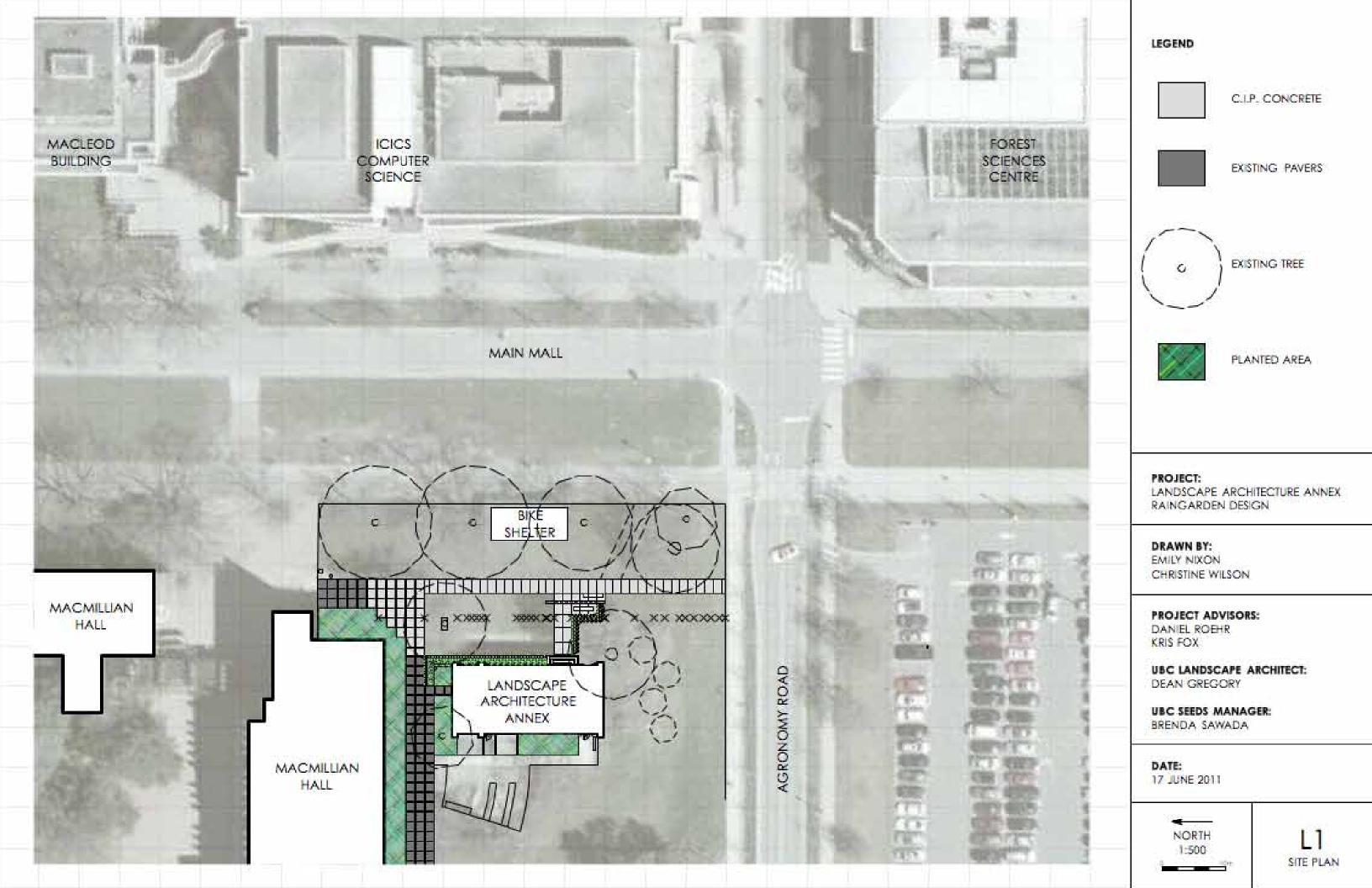
EMILY NIXON CHRISTINE WILSON DATE:

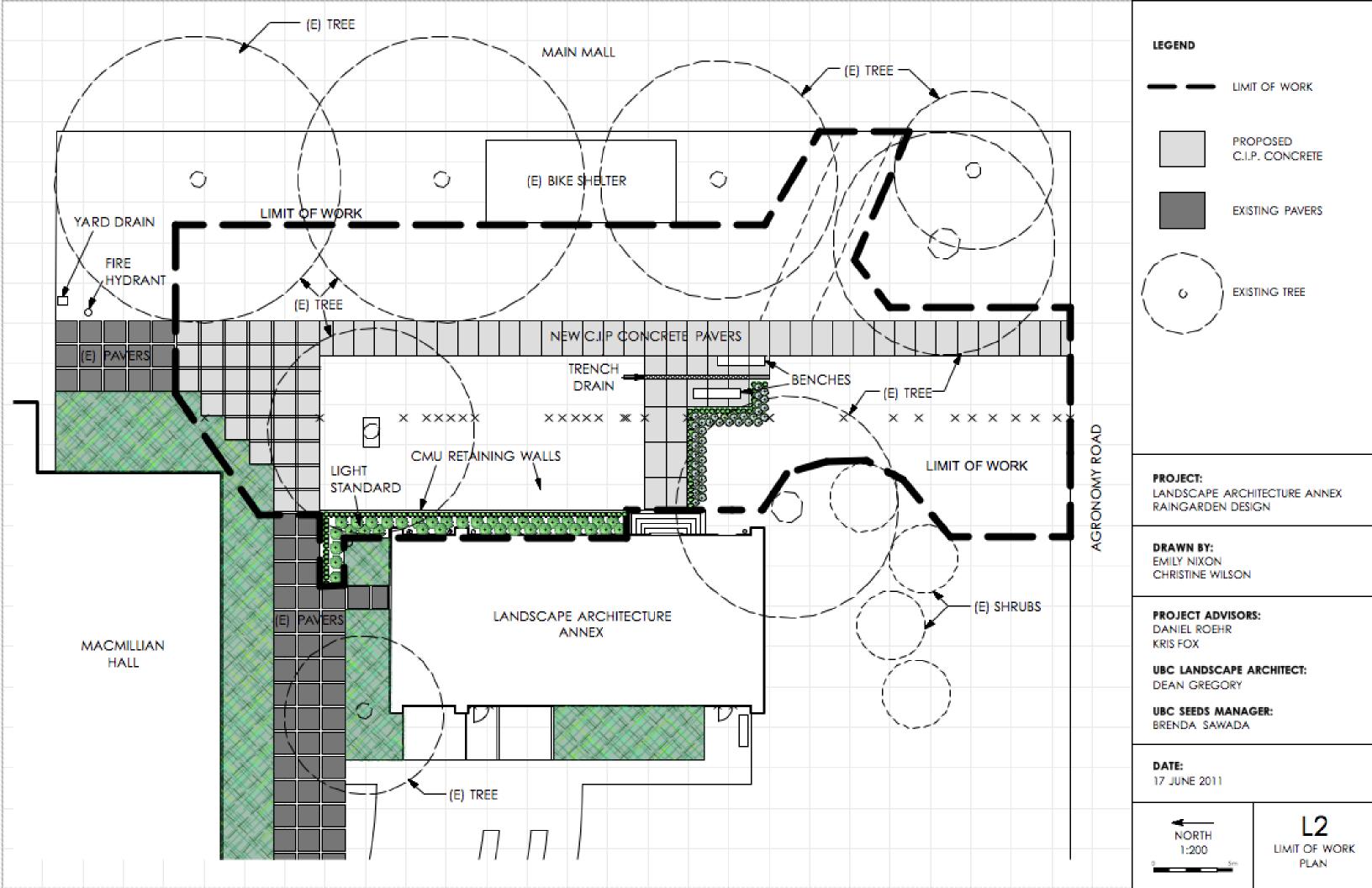
17 JUNE 2011

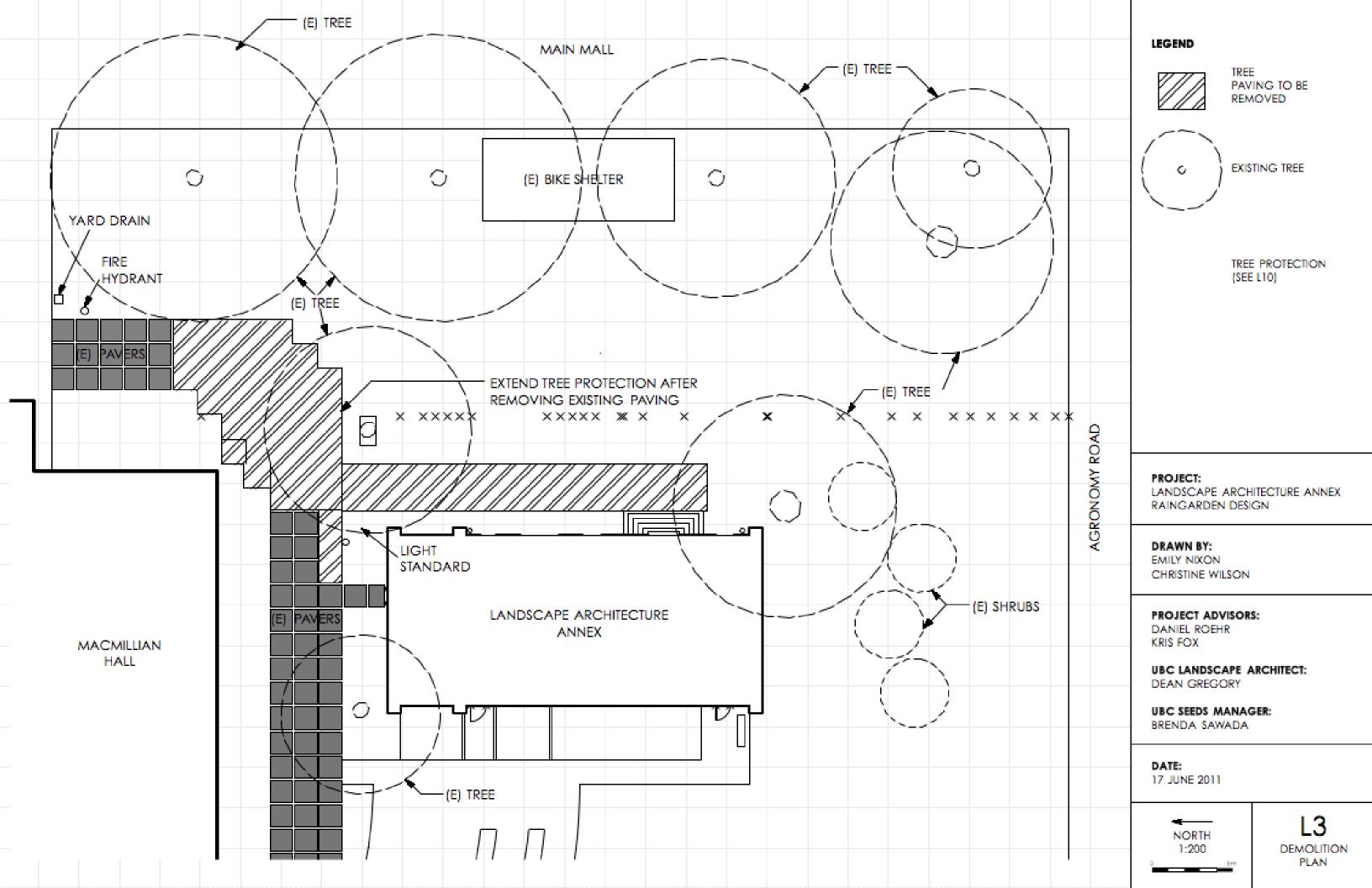
SCHEDULE OF DRAWINGS

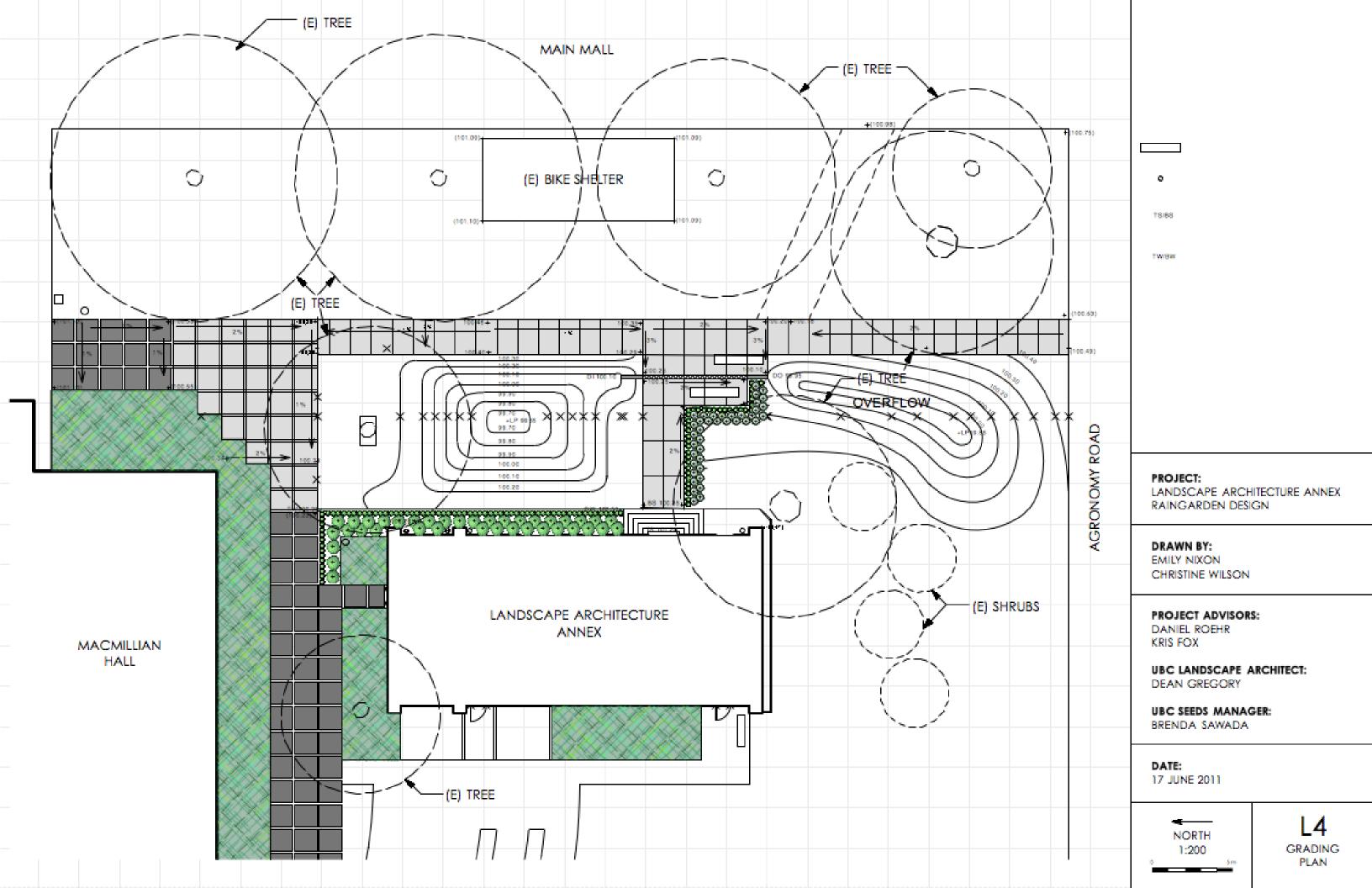
- 1 SITE PLAN
- L2 LIMIT OF WORK PLAN
- L3 DEMOLITION PLAN
- L4 GRADING PLAN
- L5 MATERIALS PLAN
- L6 PLANTING PLAN
 L7 C.I.P CONCRETE DETAILS
- L8 BENCH DETAILS

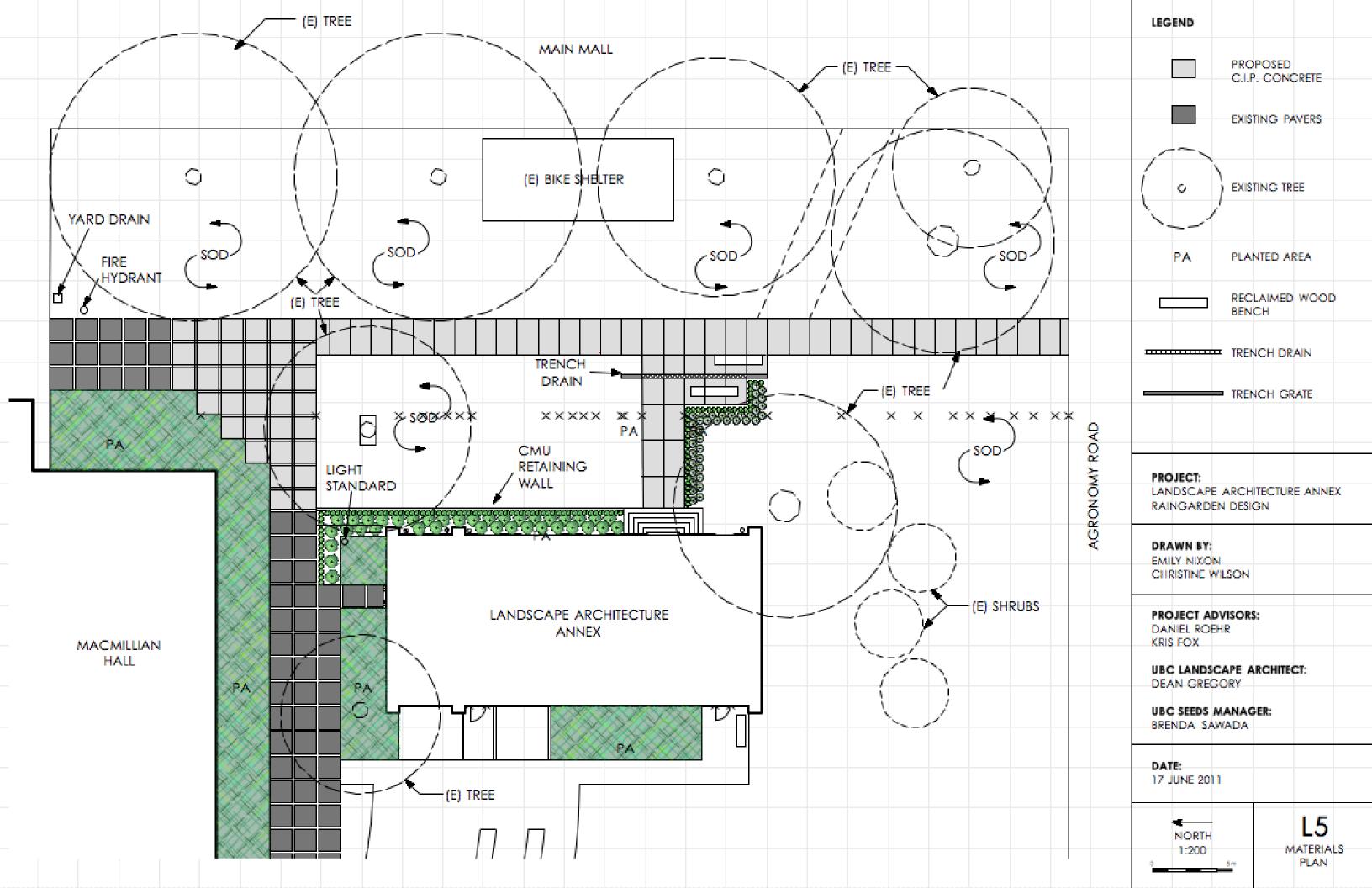
- L9 CUSTOM DETAILS
- L10 PLANTING DETAILS
- L11 SECTIONS
- L12 PERSPECTIVES
- L13 PRECEDENT IMAGES
- L14 BUDGET & SCHEDULE

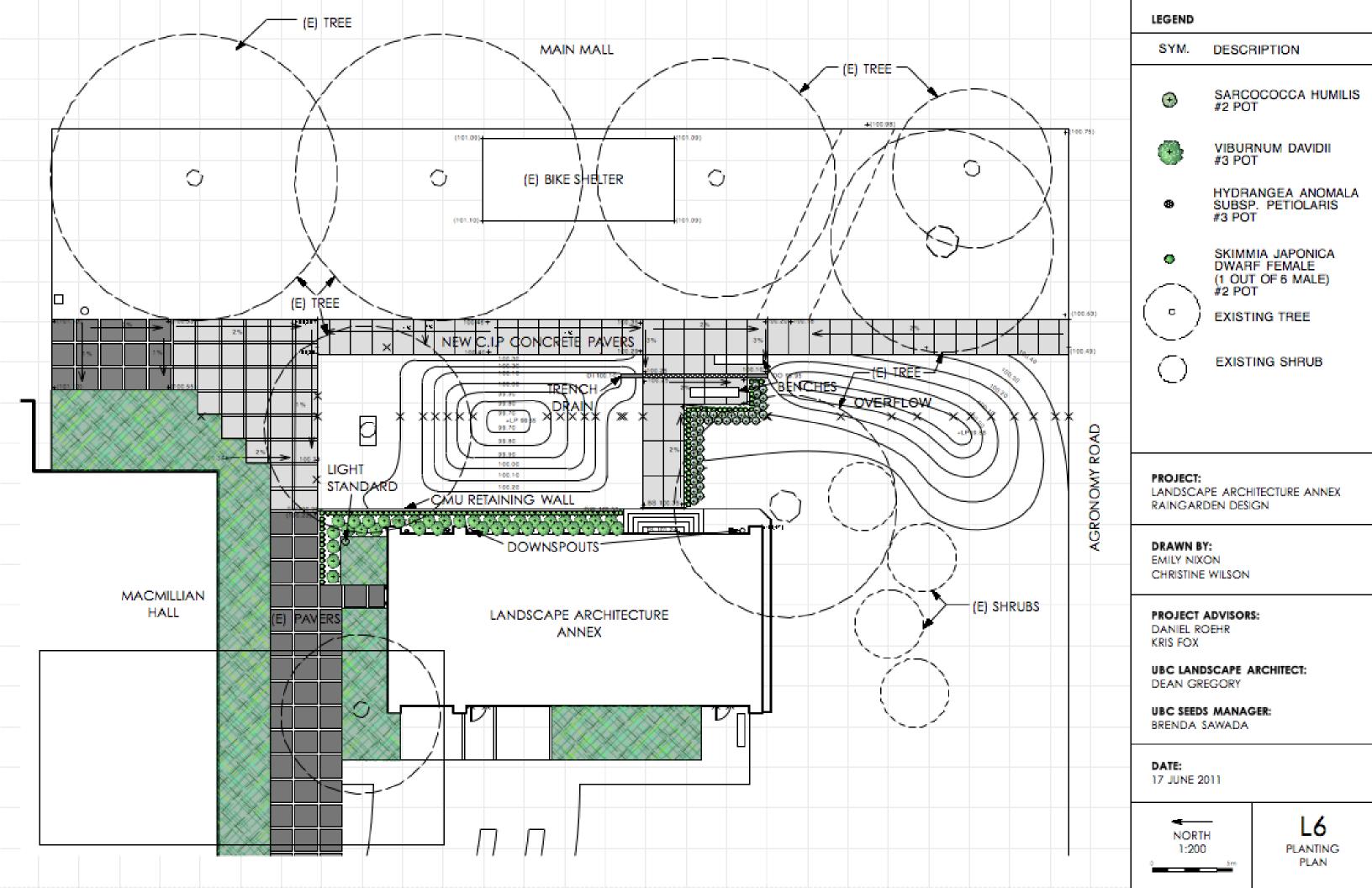


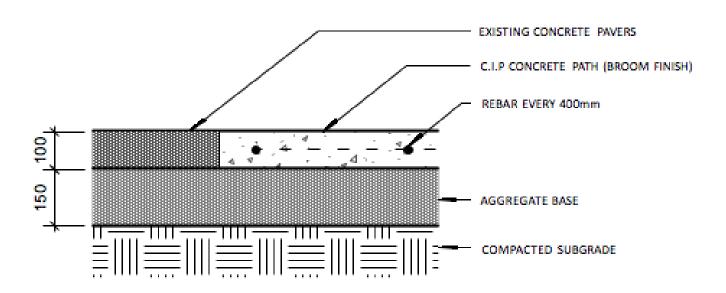






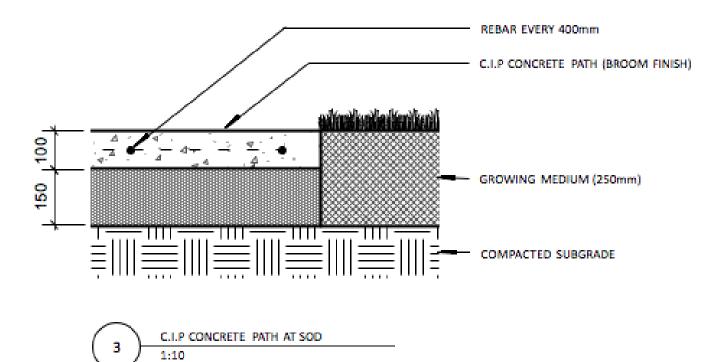


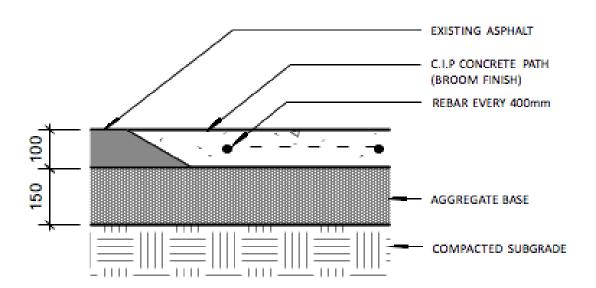




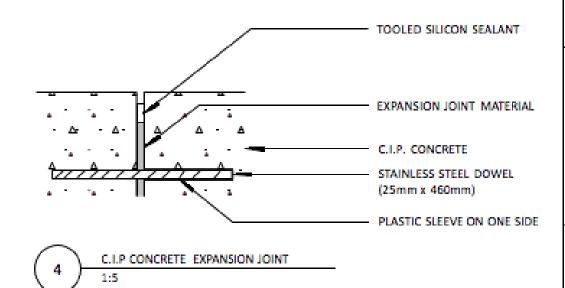
1:10

C.I.P CONCRETE PATH AT EXISTING PAVERS





2 C.I.P CONCRETE PATH AT EXISTING ASPHALT
1:10



PROJECT:

LANDSCAPE ARCHITECTURE ANNEX RAINGARDEN DESIGN

DRAWN BY:

EMILY NIXON CHRISTINE WILSON

PROJECT ADVISORS:

DANIEL ROEHR KRIS FOX

UBC LANDSCAPE ARCHITECT:

DEAN GREGORY

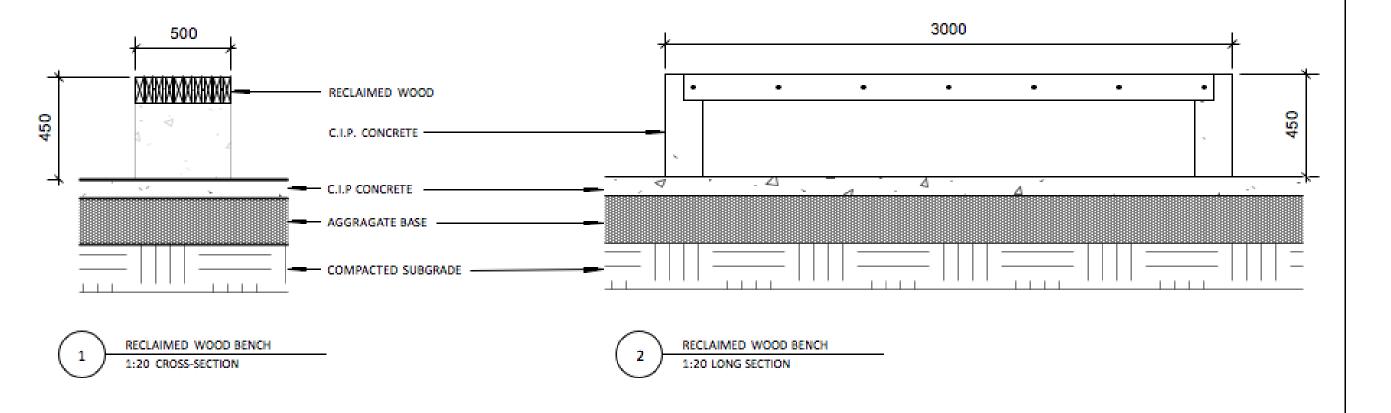
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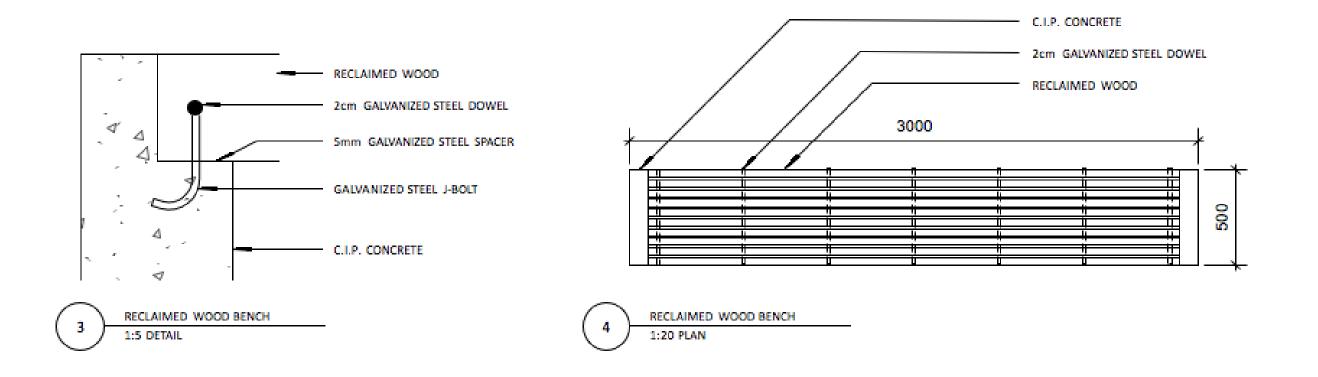
BRENDA SAWADA

DATE:

17 JUNE 2011

L7
CJ.P. CONCRETE
DETAILS





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LANDSCAPE ARCHITECTURE ANNEX RAINGARDEN DESIGN

DRAWN BY:

EMILY NIXON CHRISTINE WILSON

PROJECT ADVISORS:

DANIEL ROEHR KRIS FOX

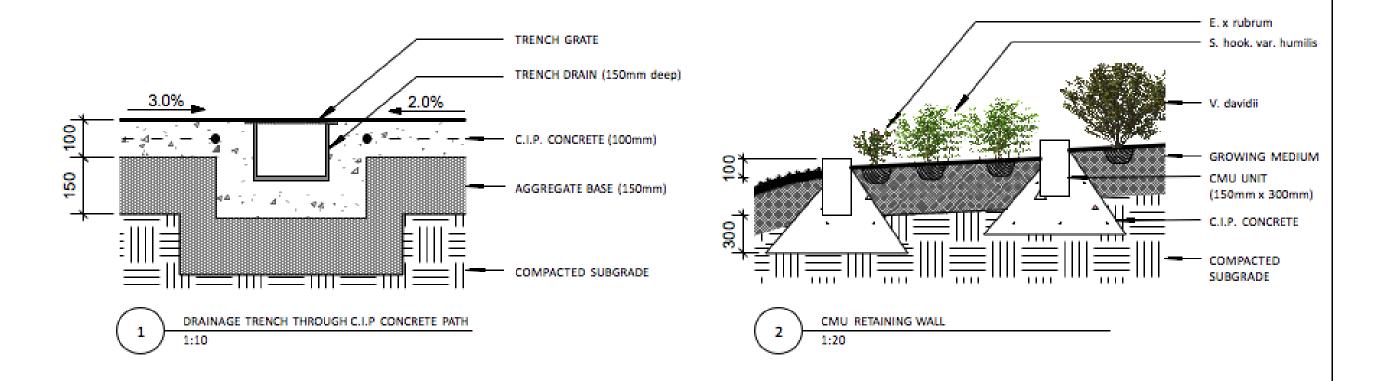
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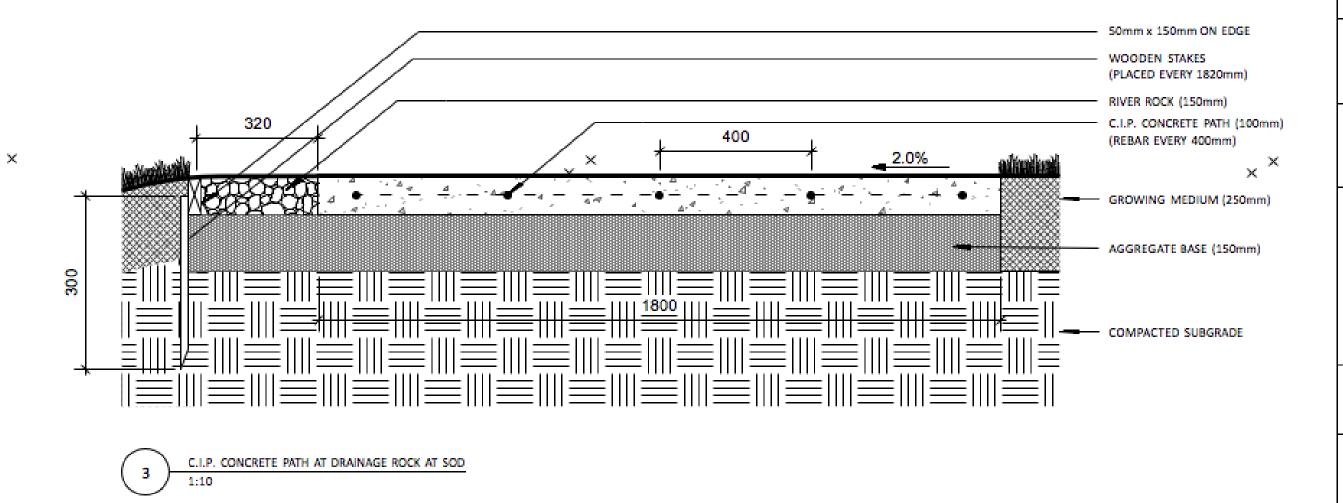
DEAN GREGORY

UBC SEEDS MANAGER:

BRENDA SAWADA

DATE:





PROJECT:

LANDSCAPE ARCHITECTURE ANNEX RAINGARDEN DESIGN

DRAWN BY:

EMILY NIXON CHRISTINE WILSON

PROJECT ADVISORS:

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UBC LANDSCAPE ARCHITECT:

DEAN GREGORY

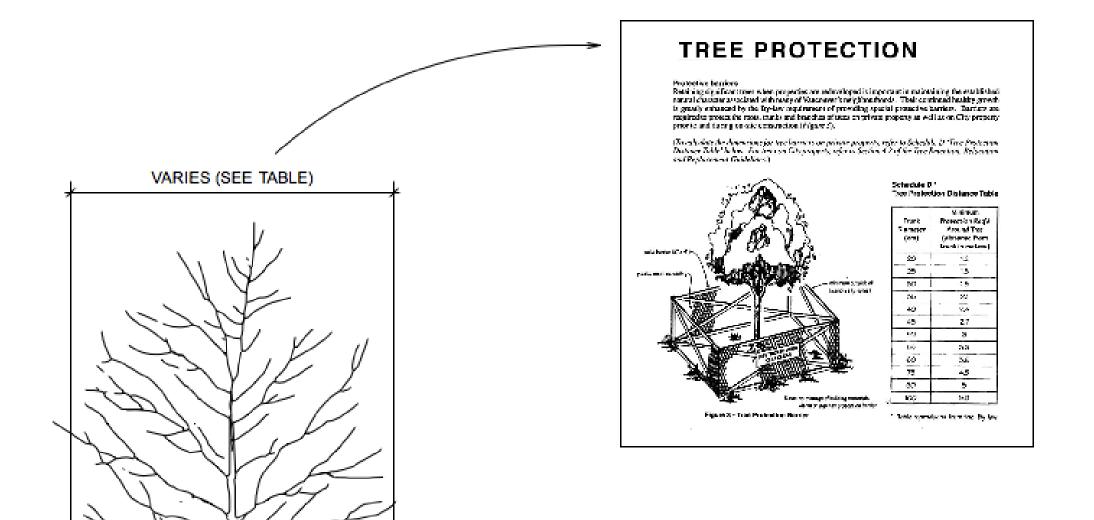
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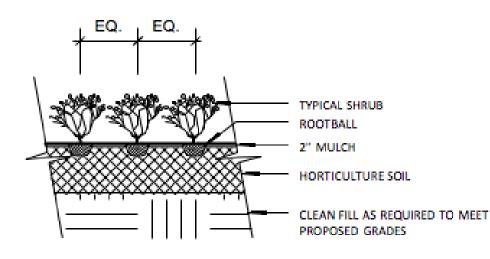
L9 CUSTOM DETAILS



TREE STAKE

NOTE: ROOTBALL SIZE NOT ACCURATE

BECAUSE TREES ARE EXISTING



1 TREE PROTECTION

2

TYPICAL SHRUB PLANTING

1:50

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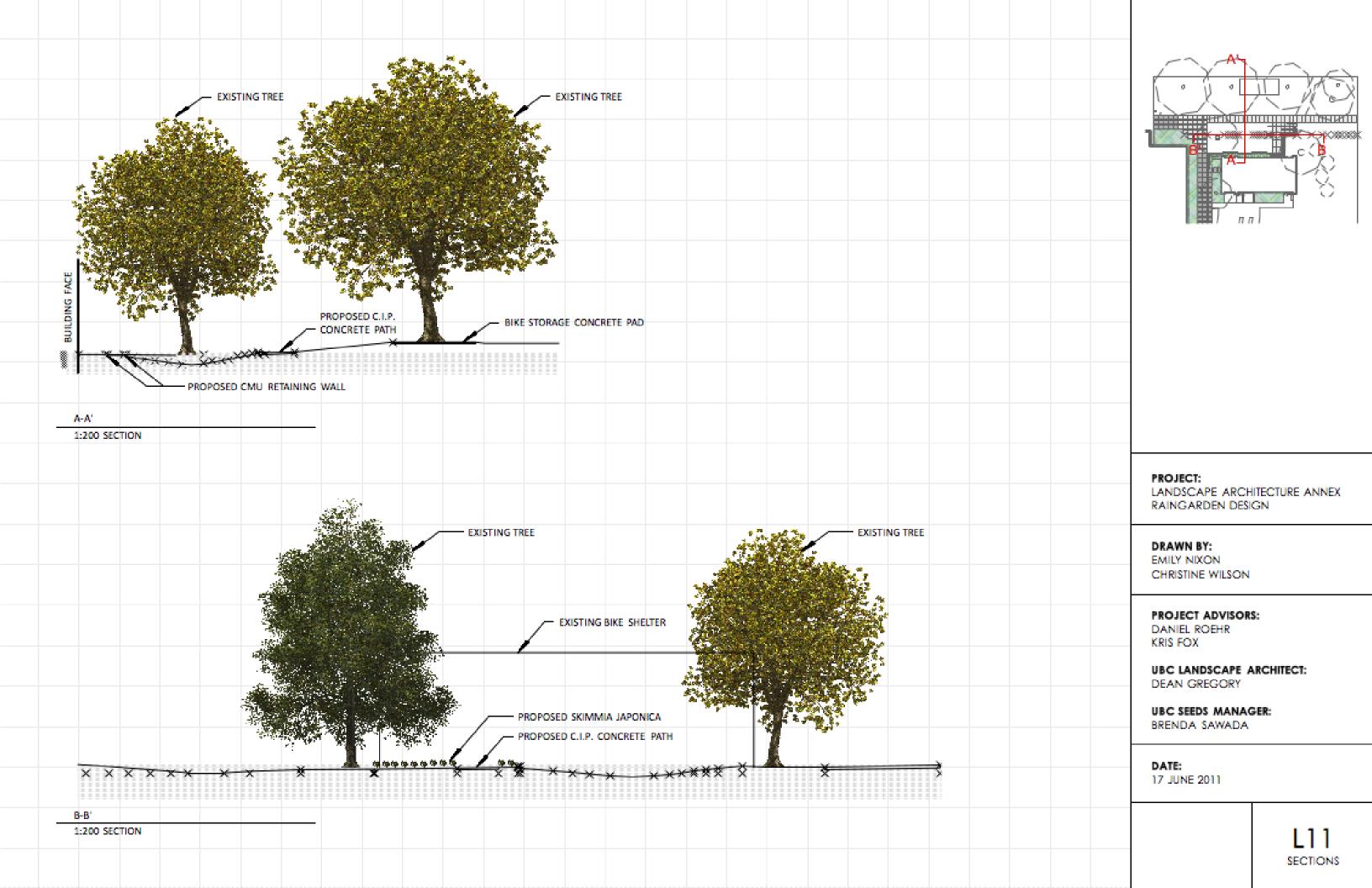
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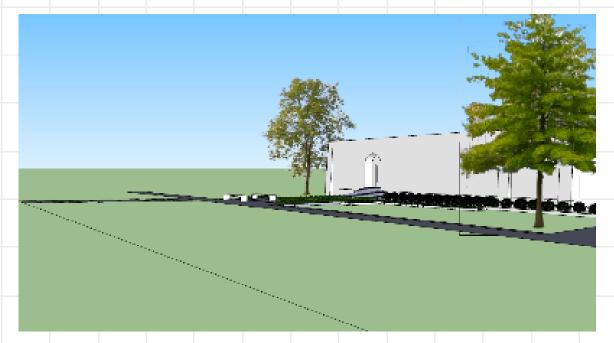
DEAN GREGORY

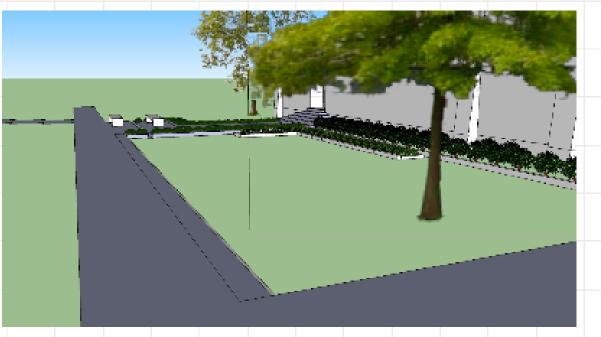
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BRENDA SAWADA

DATE:







VIEW OF SITE FROM MAIN MALL

VIEW OF SITE FROM MACMILLIAN ENTRANCE



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UBC LANDSCAPE ARCHITECT:

DEAN GREGORY

UBC SEEDS MANAGER:

BRENDA SAWADA

DATE:







BENCH OUTSIDE BEATY BIODIVERSITY MUSEUM







WALKWAY AND BENCH OUTSIDE LIBRARY PROCESSING CENTRE

PROJECT:

LANDSCAPE ARCHITECTURE ANNEX RAINGARDEN DESIGN

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UBC LANDSCAPE ARCHITECT:

DEAN GREGORY

UBC SEEDS MANAGER:

BRENDA SAWADA

DATE:

SEEDS Project: Landscape Architecture Annex Raingarden Design University of British Columbia, Vancouver, BC

BUDGET

Update: 17 June 2011

Item/Description		Quantity	Rate	Amount
Softscape				
Viburnum davidii (Pot #3)		38	\$15/ea	\$570
Sarcococca hook. Var. humilis		114	\$15/ea	\$1,710
Skimmia japonica		40	\$20/ea	\$800
Hydrangea anomala subsp. petiolaris (Pot #3)) 2	\$30/ea	\$60
Growing Medi	um	35	\$15/m2	\$525
Sod		400 m2	\$5/m2	\$2,000
Subtotal				\$5,665
Hardscape				
C.I.P. Concret	e Walkway	60 m3	\$120/m3	\$7,200
Custom Bench	nes	2	\$2000/ea	\$4,000
CMU Wall		20m	\$30/m	\$600
Trench Drain Channel (bent into C-shape)		7 m2	\$25/m2	\$175
Trench Drain		6.5m	\$50/m	\$325
Subtotal				\$12,300
Other				
Site Demolition/Preperation/Regrading				\$3,000
Subtotal				\$3,000

Subtotal	\$20,965
HST	\$2,516
Total	\$23,481

SEEDS Project: Landscape Architecture Annex Raingarden Design University of British Columbia, Vancouver, BC

SCHEDULE

Update: 17 June 2011

Task Name	Duration	Students	Plant Ops
Site Verification	1 day	X	
Site Fencing	1/2 day	X	
Clearing and Grubbing	1/2 day	X	
Protective Tree Hoarding	1/2 day	X	
Shrub and Plant removals	1/2 day	Х	
Concrete Removals	2 days		X
Walkway Subbase Preparation	1/2 day	X	X
Trench Drain Installation	1 day		X
Sand Bedding Installation	1 day	Х	
CMU Wall Installation	2 days		X
Formwork Creation	3 days		X
Formwork Assembly	1 day		X
Concrete Reinforcing Bars Installation	1 day		X
Concrete Pour	1 day		X
Furniture Carpentry	2 days		X
Furniture Installation	1 day		X
Fine Grading	1 day	X	
Planting	1 day	Х	
Sod/Seed	1 day	Х	