THE UNIVERSITY OF BRITISH COLUMBIA

REQUEST FOR DECISION

FORWARDED TO:

BOARD OF GOVERNORS ON RECOMMENDATION

OF PRESIDENT STEPHEN J. TOOPE

APPROVED FOR SUBMISSION:

Stephen J/Toope

DATE:

PRESENTED BY: Dave Farrar, Provost & Vice President Academic

Pierre Ouillet, Vice President, Finance, Resources & Operations

Paul Smith, Vice Provost & Associate Vice President, Academic

Facilities & Enrolment

Simon Peacock, Dean, Faculty of Science

John Metras, Managing Director, Infrastructure Development

Al Poettcker, President & CEO, UBC Properties

DATE OF MEETING:

February 2, 2012

SUBJECT:

Geological Field School, Oliver, BC

DECISION REQUESTED:

Approval – Board 2

Approvals:

Capital Budget: \$ 2,400,000 Preliminary Operating Budget \$ 31,000

Revised Program Revised Schedule

Proceed to Working Drawings and Tender

Funding Release: \$300,000

Information:

Expenses to Date: \$35,000 Funding Releases to Date \$100,000

EXECUTIVE SUMMARY:

UBC Faculty of Science has initiated a campaign to fundraise \$2.4 million to develop new Geological Field School (GFS) buildings and replace existing dilapidated structures on land owned by UBC and managed by the Department of Earth & Ocean Science (EOS) near Oliver, BC. At the GFS, UBC Geological Sciences and Geological Engineering students learn to create geological maps and develop other skills needed to find and explore for minerals, oil and gas. Replacement of the existing buildings is critical to maintaining the GFS as a functioning facility and the project is a high priority for the Faculty of Science. The proposed new buildings total 1,005 gross square metres (GSM) and include a dining/lecture hall, map study hall, and sleeping cabins to accommodate 90 students, faculty and staff.

ORIGIN OF REQUEST AND ADVANCED CONSULTATION:

PLACE AND
PROMISE
COMMITMENT

The University provides the opportunity for transformative student learning through outstanding teaching and research, enriched educational experiences, and rewarding campus life.

PLACE AND PROMISE ACTION

Provide all students with at least two enriched educational opportunities during their course of studies.

PROJECT RATIONALE

Geological field training forms a critical requirement of modern earth science education and represents a truly enriching educational experience for the students. Having a well-designed and well-implemented field geology program is a hallmark of all top geosciences programs.

The UBC Geological Field School facility at Oliver provides EOS students with world-class field training at a reasonable cost. Replacement of the existing deteriorated buildings is critical to maintaining the GFS as a functioning facility and the project is a high priority for the Faculty of Science.

Previous Report	September 27, 2011 Board of Governors Meeting	Decision	Approved: Board 1, \$100,000 Funding Release
Discussion Points	n/a		
Action / Follow Up	n/a		
Previous Report	September 20, 2011 Board of Governors Meeting	Decision	Approval recommended: Board 1, \$100,000 Funding Release
Discussion Points	n/a		
Action / Follow Up	n/a		

DISCUSSION SUMMARY

Project Management

UBC Properties Trust is managing the design and construction of the project.

Consultant

Battersby-Howatt Architects has been selected as the design consultant for the project.

Campus & Community Planning Review

As this facility is outside UBC campus boundaries, development permit and building permit approvals will need to be obtained from the local authority having jurisdiction. The Regional District of Okanagan Similkameen will be contacted in this regard.

C&CP supports the design direction of the Oliver Field School pavilions, subject to reviewing and supporting the site plan, elevations and material palette that have yet to be provided. The current plans of the various pavilions, shown in Attachment 3, achieve a very good balance of user comfort, functionality and a rustic architectural character in keeping with the forest setting.

Current Project Status

Schematic design for the project was completed on December 13, 2011. Skuka Construction, a Kelowna-based Construction Manager has been hired, and an Environmental Consultant is being retained to obtain approvals for setbacks from the existing dry creek bed.

The fundraising campaign is in progress. Approximately 25% of the targeted \$2.4 million is banked, with commitments for an additional 10%. A lead gift request is in progress, and prospects for the remaining funding have been identified.

Revised Building Program

	Net Sq. Metres (NSM)	Net Sq. Feet (NSF)	Gross Sq. Feet (GSF)
90 seat dining/lecture/study (incl. kitchen & storage)	198.6	2,138.0	2,299.0
Map study classroom	66.2	712.3	787.7
Faculty/staff cabins (C2) x 2	108.6	1,168.6	1,320.2
Faculty/staff cabin (C2a) x 1	53.6	576.9	660.1
Large student cabins (C1) x 3	273.1	2,939.4	3,253.8
Large student cabin (C1a) x 1	99.5	1,070.5	1,183.0
Wash House x 2	109.0	1,173.4	1,320.2
Total	908.6	9,779.1	10,824.0

Capital Budget

Construction	\$1,643,850	\$152/sq.ft.
Consultant Budget, Printing & Disbursements	300,000	
Project Management (UBCPT)	\$60,000	
FF+E & Signage	\$40,000	
Permits and Insurance	\$122,000	
Commissioning, Inspection and Testing	\$10,000	
Contingency	\$80,000	
Subtotal	\$2,255,850	\$208/sq.ft.
HST (@3.42%)	\$77,150	
Retained Risk Fee	\$20,000	
Construction Period Financing Charges	\$47,000	
TOTAL	\$2,400,000	\$222/sq.ft.

Operating Budget

The GFS is in operation annually from May through October. The 2 week activity of the UBC Geological Field School is supplemented with rental of the facility by other academic and research groups. UBC Faculty of Forestry, UBCO (Housing & Conferences), BCIT (Mining & Mineral Exploration), SFU (Faculty of the Environment), Environment Canada, the University of Calgary and Parks Canada have all expressed interest in renting the renewed GFS for a combined total of approximately 1200 people-nights.

Annual operating expenditures for the renewed facility are estimated to be approximately \$31,000 in the first year of operation. Operating expenditures include repair and maintenance costs, utilities, IT/telecomm, security and seasonal opening and closing costs. These expenses are intended to be covered by rental revenues which are planned to increase over current levels, through a combination of increased rental volume and increased rental rates, in order to achieve and maintain a 'breakeven' status.

Revised Project Schedule

	Board 1	Board 2
Board of Governors (Board 1)	September 2011	September 2011
Board of Governors (Board 2)	December 2011	February 2012
Board of Governors (Board 3)	April 2012	April 2012
Commence Construction	May 2012	May 2012
Final Occupancy	April 2013	April 2013
Board of Governors (Board 4)	April 2014	April 2014

Meeting UBC's Sustainability Objectives

Design and construction of the new facilities will incorporate sustainable building practices. Sustainable design strategies such as utilization of beetle damaged wood products, installation of solar panels for water heating, and rain water capture systems are being explored in detail as part of the design process. LEED certification will not be sought given the small size and seasonal use nature of these facilities.

Funding Release

Approval for funding release of \$300,000 from banked donations is requested to take this project through working drawings and tender.

Attachments

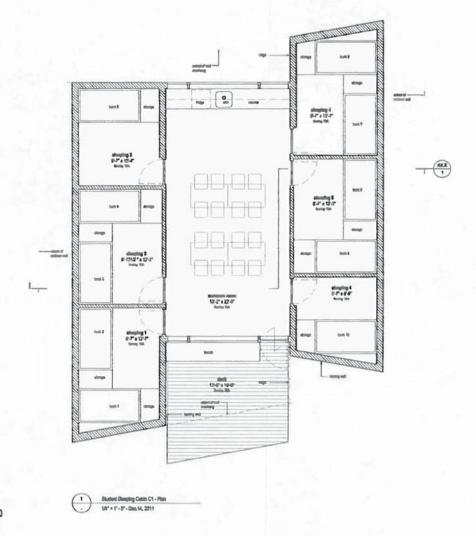
- 1. Capital Project Accountability Scope & Planning
- 2. Capital Project Accountability Budget & Funding
- 3. Schematic Design

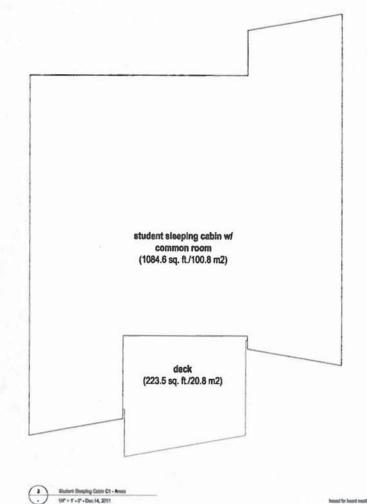
PRO	OJECT NAM	E			CURRENT APPROVAL STATUS					
	ject Name:		ield School, Ol	iver BC			Level	Approval Date		
Dep	partment/Unit	: UBC Faculty	of Science		Executive:		3	23-Aug-11		
	onsor.		ck, Dean, Facult	y of Science	Board:		1	27-Sep-11		
PROJECT DESC	CRIPTION				FUNCTIONAL PROGRA	M				
Development Ty	ype:	New Construc	tion	100	Space Type	Net SM	Net SF	Gross SF		
acility Type:		Field study ca	mp		Dining/lecture, study hall	199	2,138	2,29		
Gross Building A	Area:	10,824 gsf (1,0	005 gsm) - Appro	oximate	Map Classroom	66	712	78		
Capital Cost:		\$2,400,000			Cabins x 9	644	6,929	7,73		
ocation/Site:		Oliver BC			Total	909	9,779	10,82		
Primary Users /	/ Tenants:	Earth & Ocean Science	n Sciences, Fac	culty of						
PROJECT RATI	IONALE & E	BENEFITS								
Need/Benefit A	Area		Description				0 10-			
Learning & Rese	earch Environ	nment	Hands on ged science educ		training is an enriching edu	cation experier	ice and essenti	ai to modem ear		
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			D 11	Provides student education and training Provides student mentorship and links to the business community via alumni mentoring & netwo						
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CAMPUS & COMMUNITY PLANNING COMMENTS

As this facility is outside UBC campus boundaries, it will be approved by the Regional District of Okanagan Similkameen, who will be contacted and local development and building permit processes will be followed. C&CP supports the design direction of the Oliver Field School pavilions, subject to reviewing and supporting the site plan, elevations and material palette that have yet to be provided. The plans of the various pavilions achieve a very good balance in achieving user comfort and functionality and a rustic architectural character in keeping with the forest setting.

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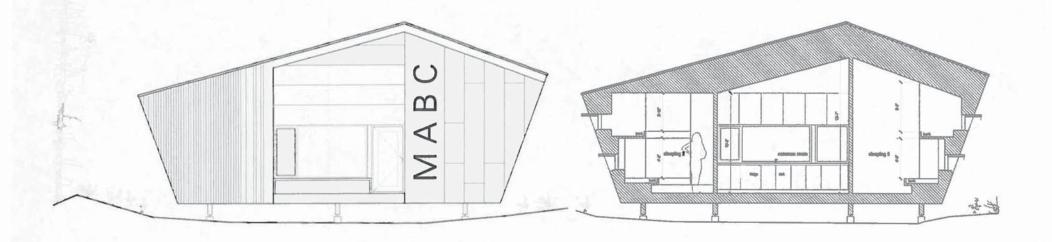
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PLAN BTUDENT CARN C1

PD 1.0

SCALE: as indicated Date: Departure 19, 2011



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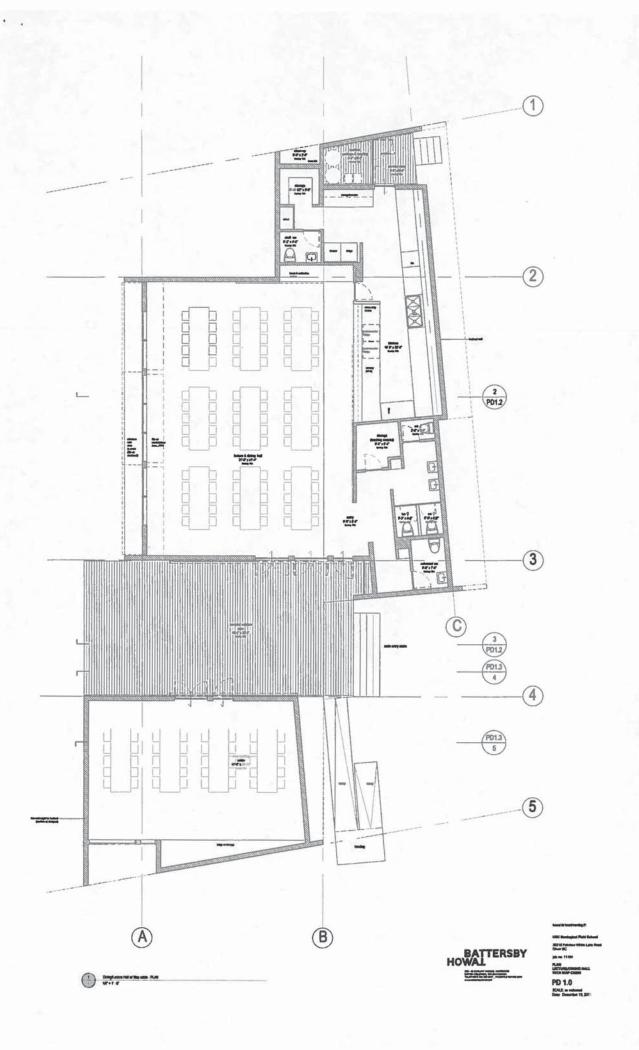
USC Geological Field School

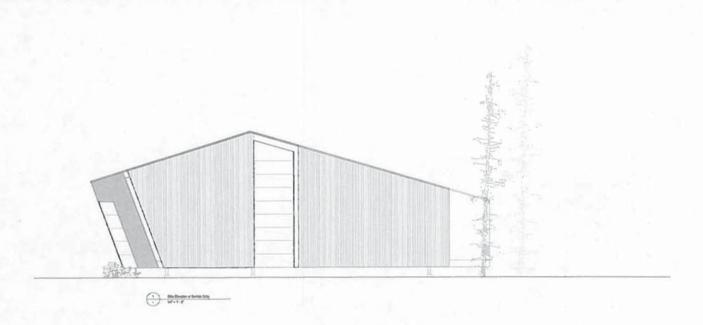
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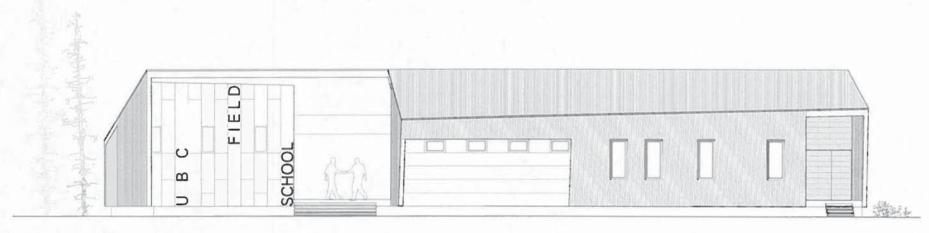
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SECTION & FRONT ELEVATION STUDENT CALIN C1

PD 1.1 SCALE: as Indicated Date: December 19, 2011







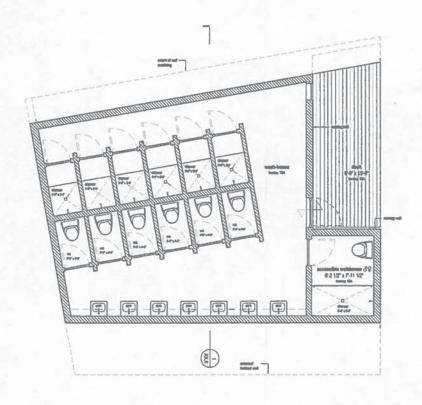
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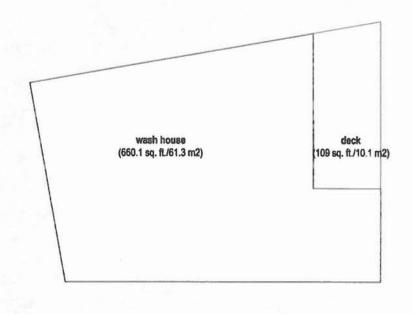
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USC Geological Finis School

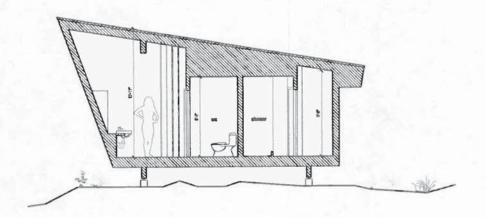
38218 Fain/sw White Lake Road Oliver BC

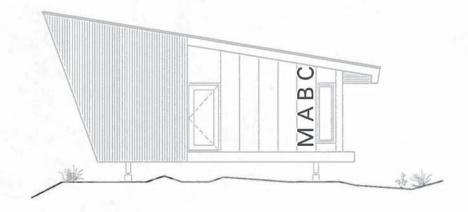
job no. 11184

PLAN WASH NOUSE

PD 1.0

SCALE, so indicated Date: December 19, 2011





1 Wash House - Section
1/4" = 1" - 0"

2 Wash House - Frant Elevation 136" = 1" - 0"

HOWAL

228 - 45 CULTE VY ANDRUM, VINCOUNTED BATTISH COLLEVY AND SAID CARADA TELEFVICINE SEI 600 SECT _ FACISMOLE SEE SEE 301 SHIPL SESSIONELLESS lened for board neeting F1

UBC Occlogical Field School

38216 Feinview White Lette Road Oliver BC

job no. 11184

SECTION & FRONT ELEVATION WAEH HOUSE

PD 1.1

SCALE as indicated Date: December 19, 2011