



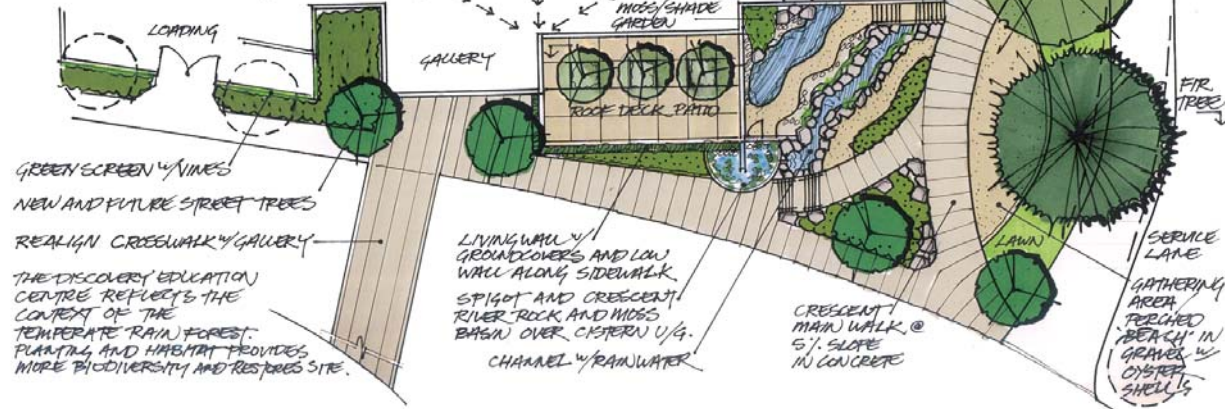
DISCOVERY
EDUCATION
CENTRE

1"=16' 16/08/04 NORTH →



LANDSCAPE CONCEPT / MAKING SUSTAINABILITY VISIBLE
PHASE 1

RAINWATER COLLECTED OFF UPPER ROOFS AND PATIOS IS CHANNLED TO A SPIGOT AT THE CORNER OF THE BUILDING. THE WATER CASCADES DURING AND AFTER A STORM INTO A CISTERN.



WATER EFFICIENCY: USE OF NATIVE OR HARDY PLANTS. COLLECTED WATER IS USED TO MIST THE FERNS AND MOSS GROWING IN POCKETS ON THE BOLDER AND VEGETATED WALL SYSTEM.

HEAT ISLAND REDUCTION: LIVING WALLS, GREEN SCREENS AND ROOFTOP PLANTS COOL THE AMBIENT TEMPERATURE THROUGH EVAPORATIVE COOLING. THE LIVING WALL IS IRRIGATED BY DRIP/SOAKERS.

GREEN SCREEN w/ VINES

NEW AND FUTURE STREET TREES

REALIGN GREENWALK w/ GALLERY

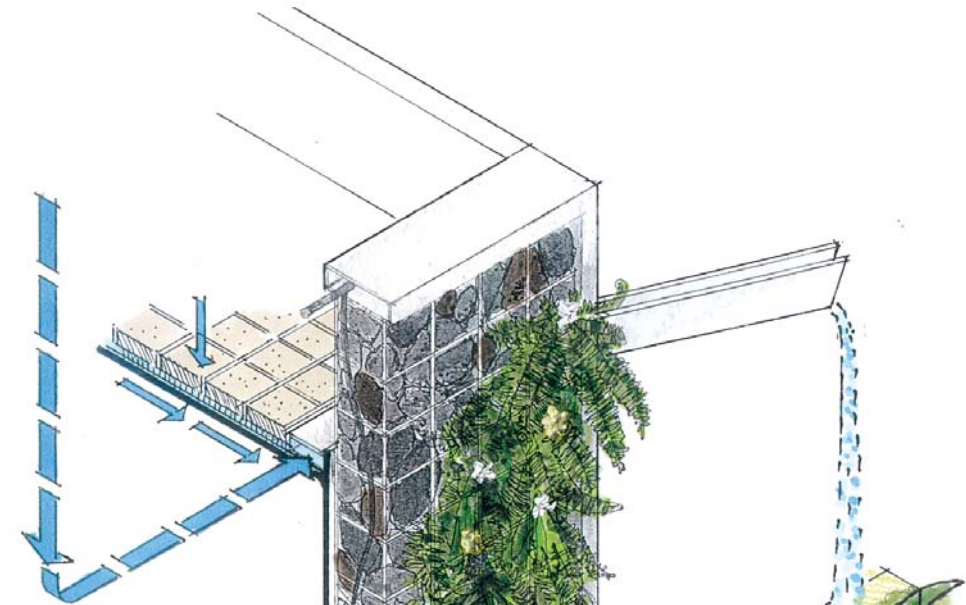
THE DISCOVERY EDUCATION CENTRE REFLECTS THE CONTEXT OF THE TEMPERATE RAIN FOREST. PLANTING AND HABITAT PROVIDES MORE BIODIVERSITY AND RESTORES SITE.

LIVING WALL w/ GROUNDCOVERS AND LOW WALL ALONG SIDEWALK. SPIGOT AND CRESCENT RIVER ROCK AND MOSS BASIN OVER CISTERN 1/4. CHANNEL w/ RAINWATER

CRESCENT MAIN WALK @ 5% SLOPE IN CONCRETE

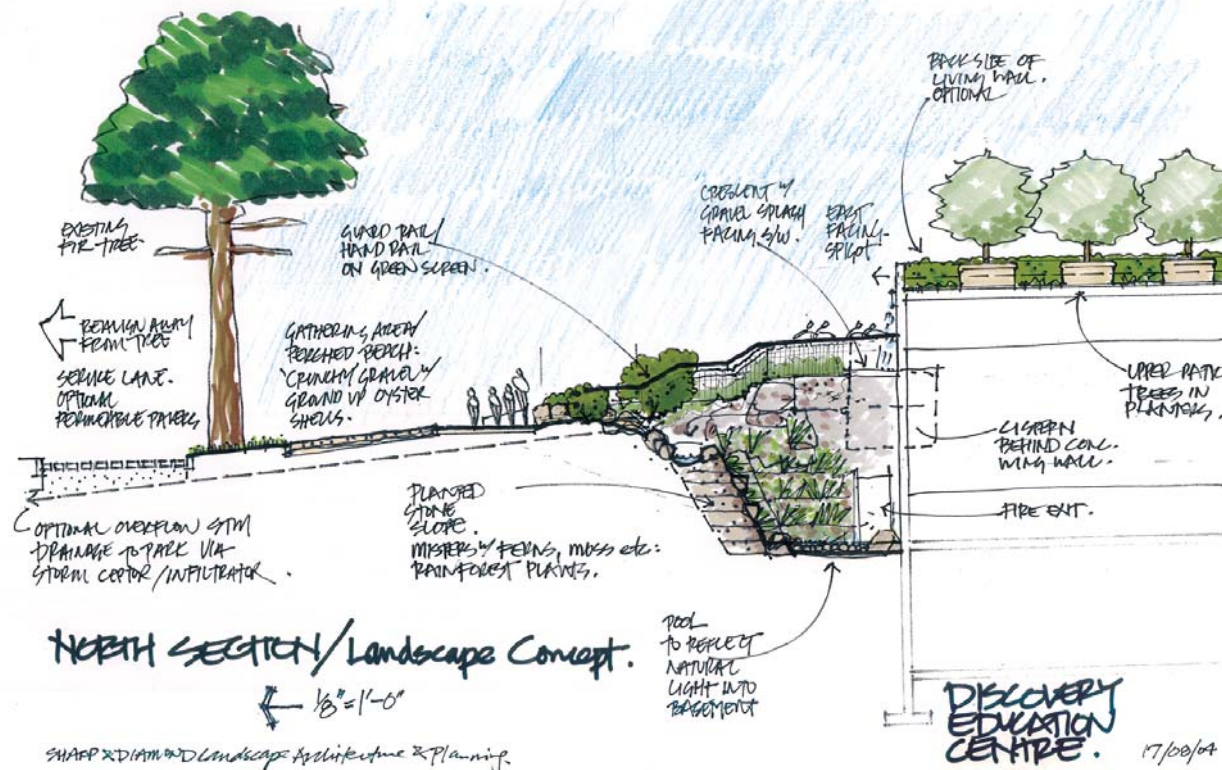
BLACK LOCUST TREE
FIR TREE
SERVILE LAKE
GATHERING AREA REACHED BEACH IN GRAVEL w/ OYSTER SHELLS

WATER RECYCLING



LIVING WALL

LIVING WALL w/ Spigot & Cistern
DISCOVERY EDUCATION CENTRE. SHARP & DIAMOND Landscape Architecture
N.T.S. 16/08/04.



NORTH SECTION / Landscape Concept.

1/8"=1'-0"

SHARP & DIAMOND Landscape Architecture & Planning

DISCOVERY EDUCATION CENTRE. 17/08/04

SUSTAINABILITY CONCEPT

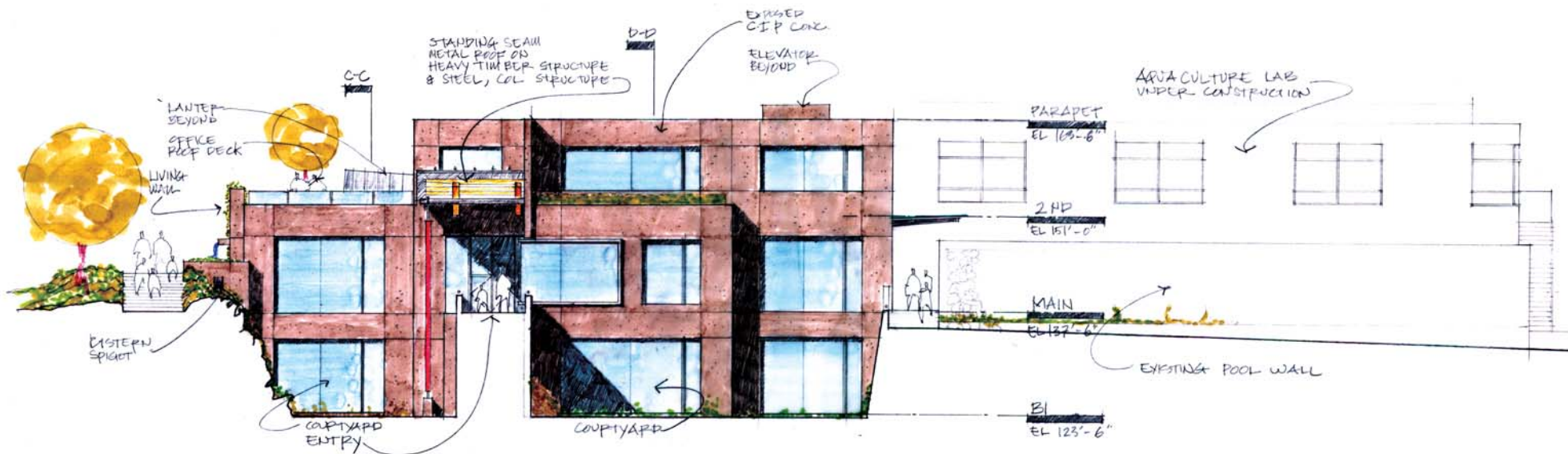






EAST ELEVATION

DISCOVERY EDUCATION
EAST ELEVATION STUDY $\frac{1}{8}'' = 1'-0''$
AUG 13 2004

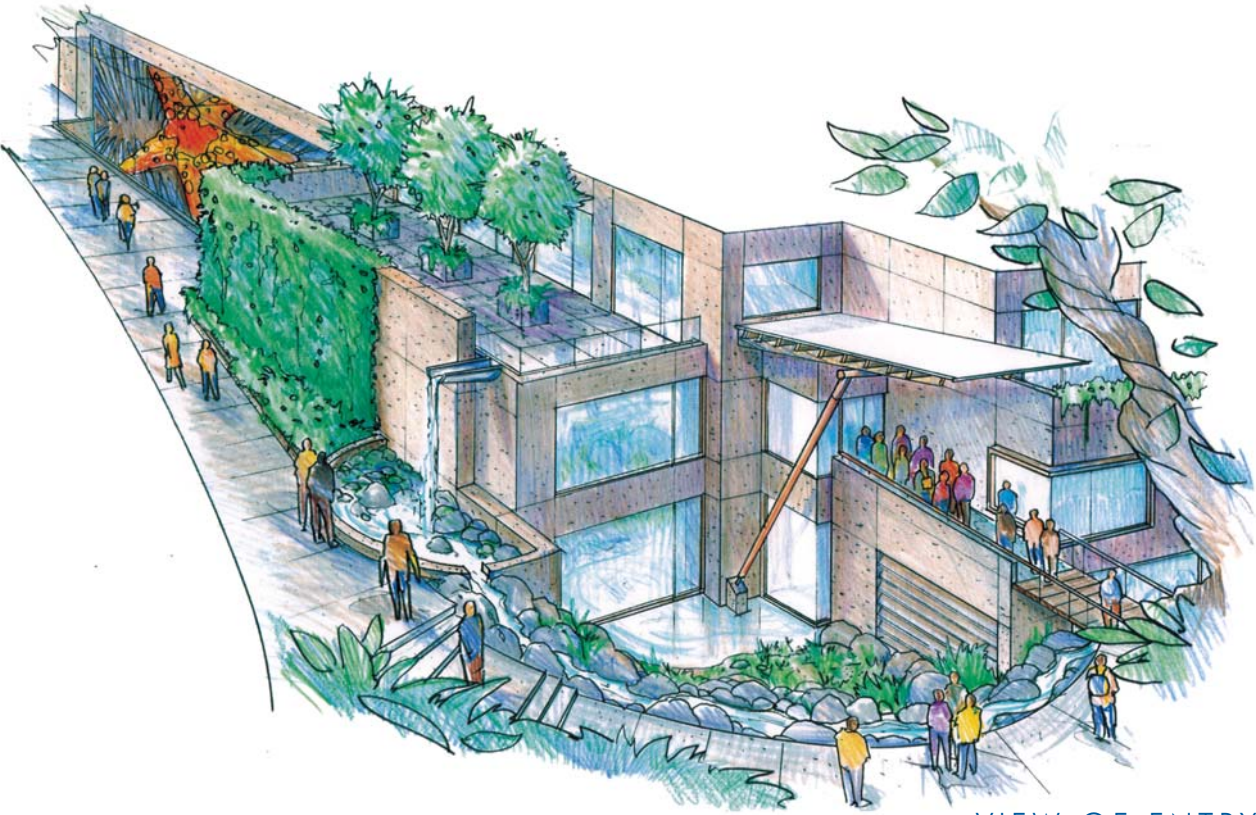


NORTH ELEVATION

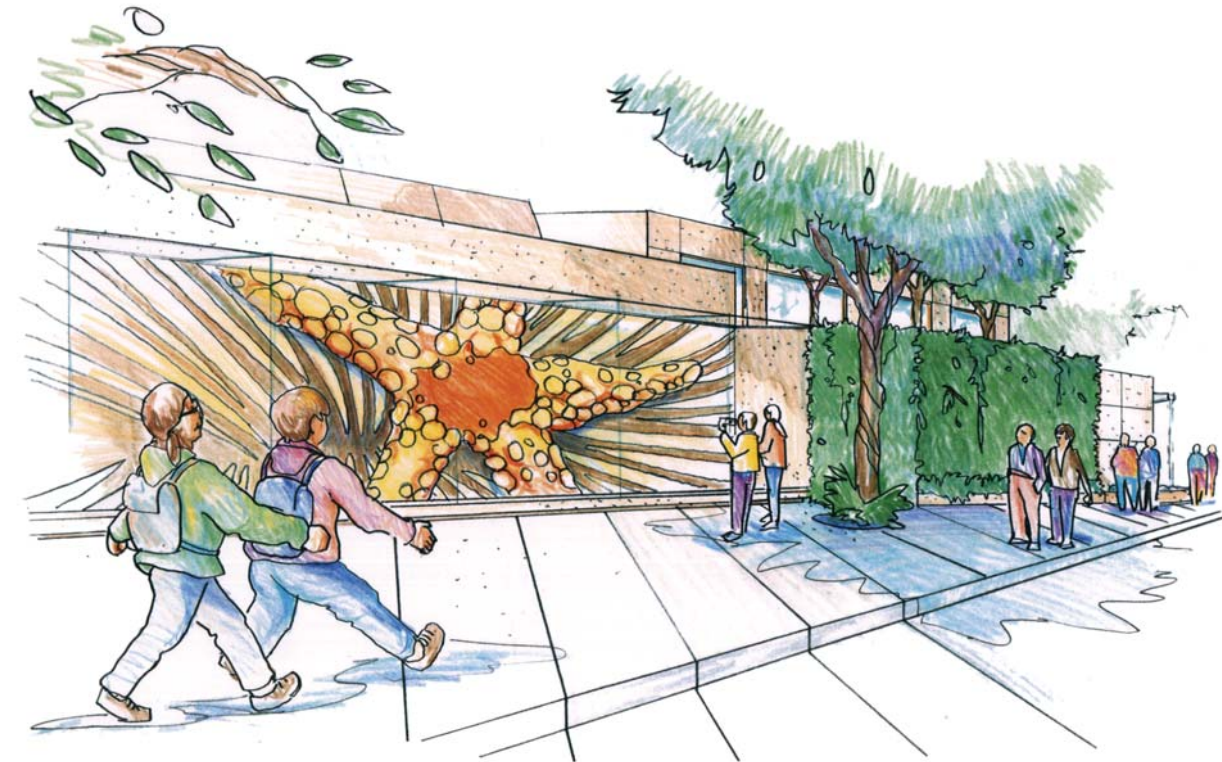
DISCOVERY EDUCATION
NORTH ELEVATION STUDY $\frac{1}{8}'' = 1'-0''$
AUGUST 13 2004

EXTERIOR ELEVATIONS

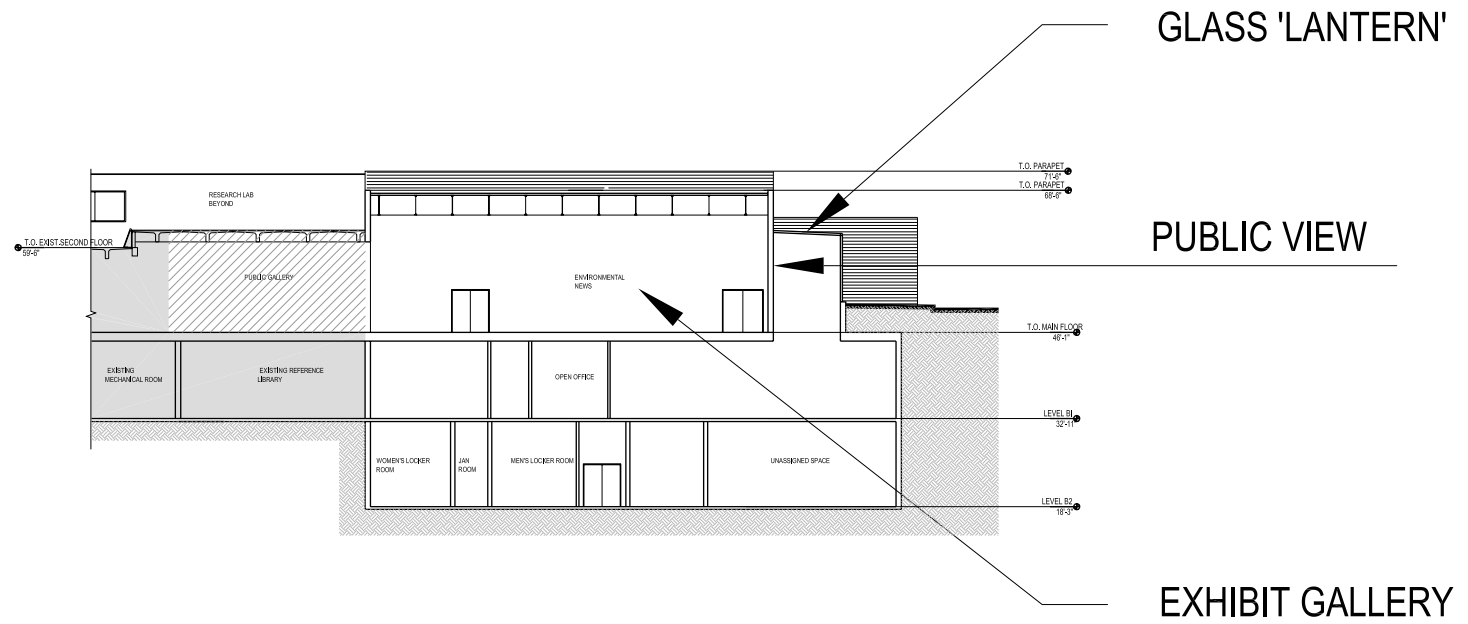




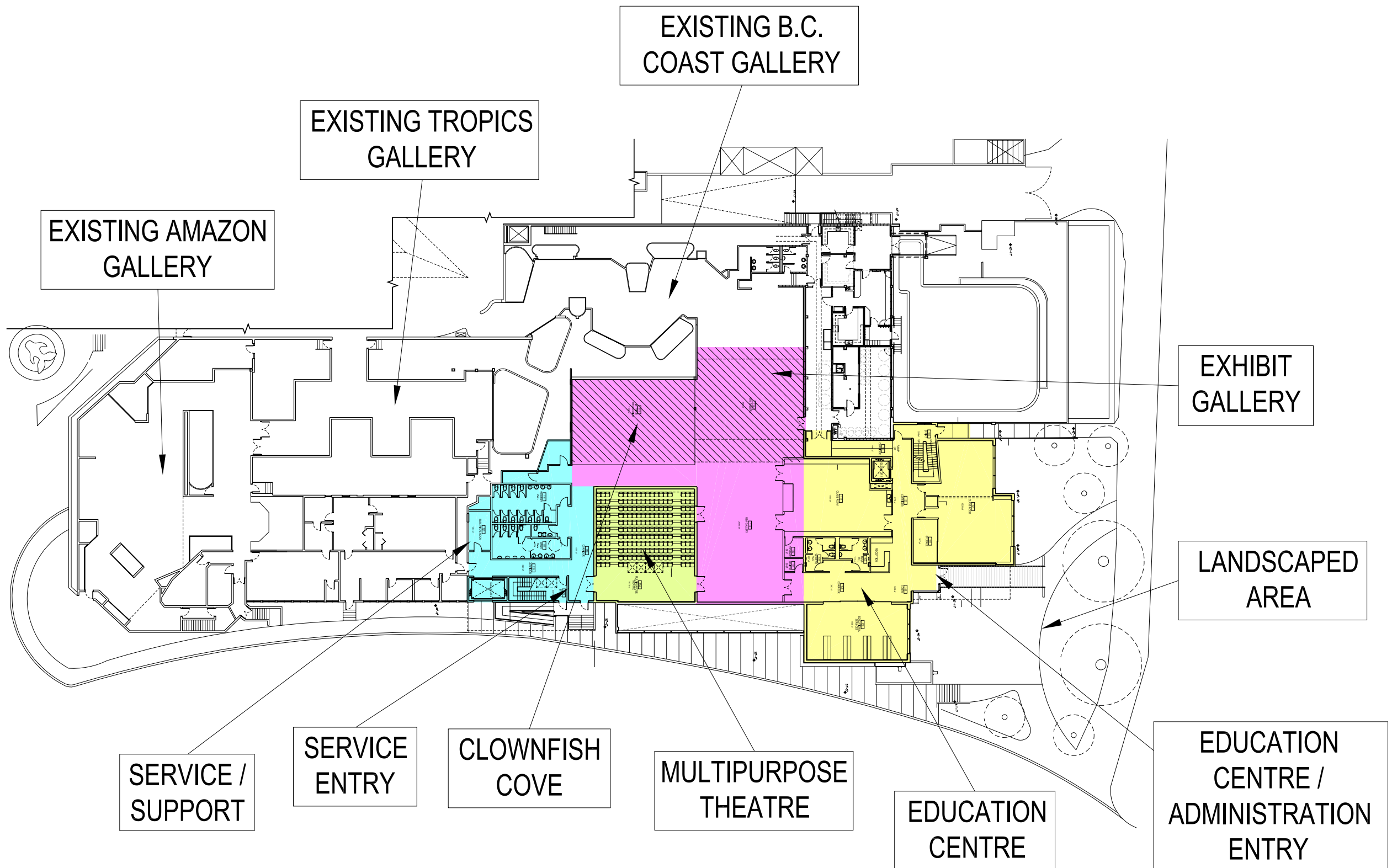
VIEW OF ENTRY



VIEW FROM SIDEWALK THROUGH TO GALLERY

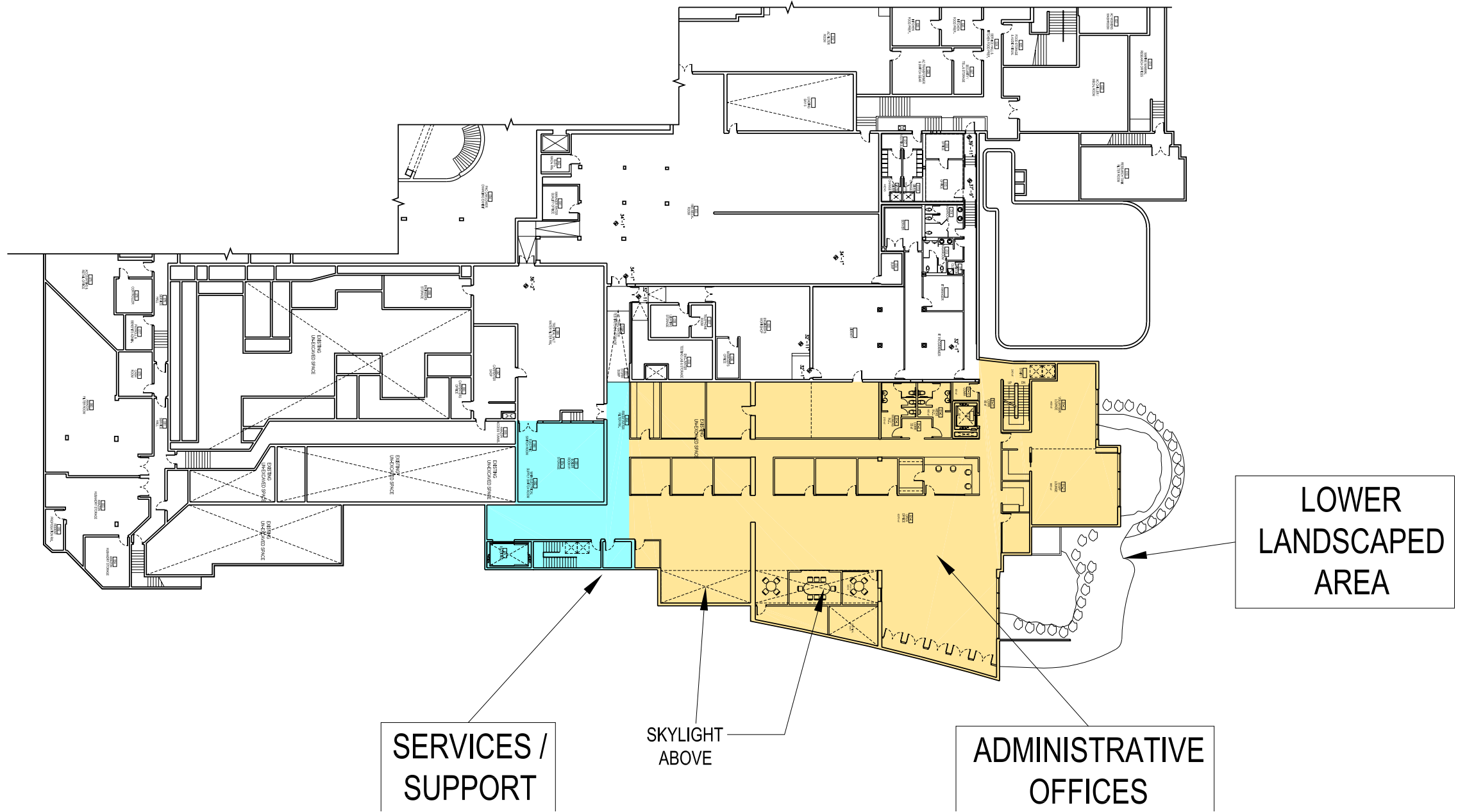


SECTION THROUGH GALLERY AND SIDEWALK



MAIN FLOOR PLAN

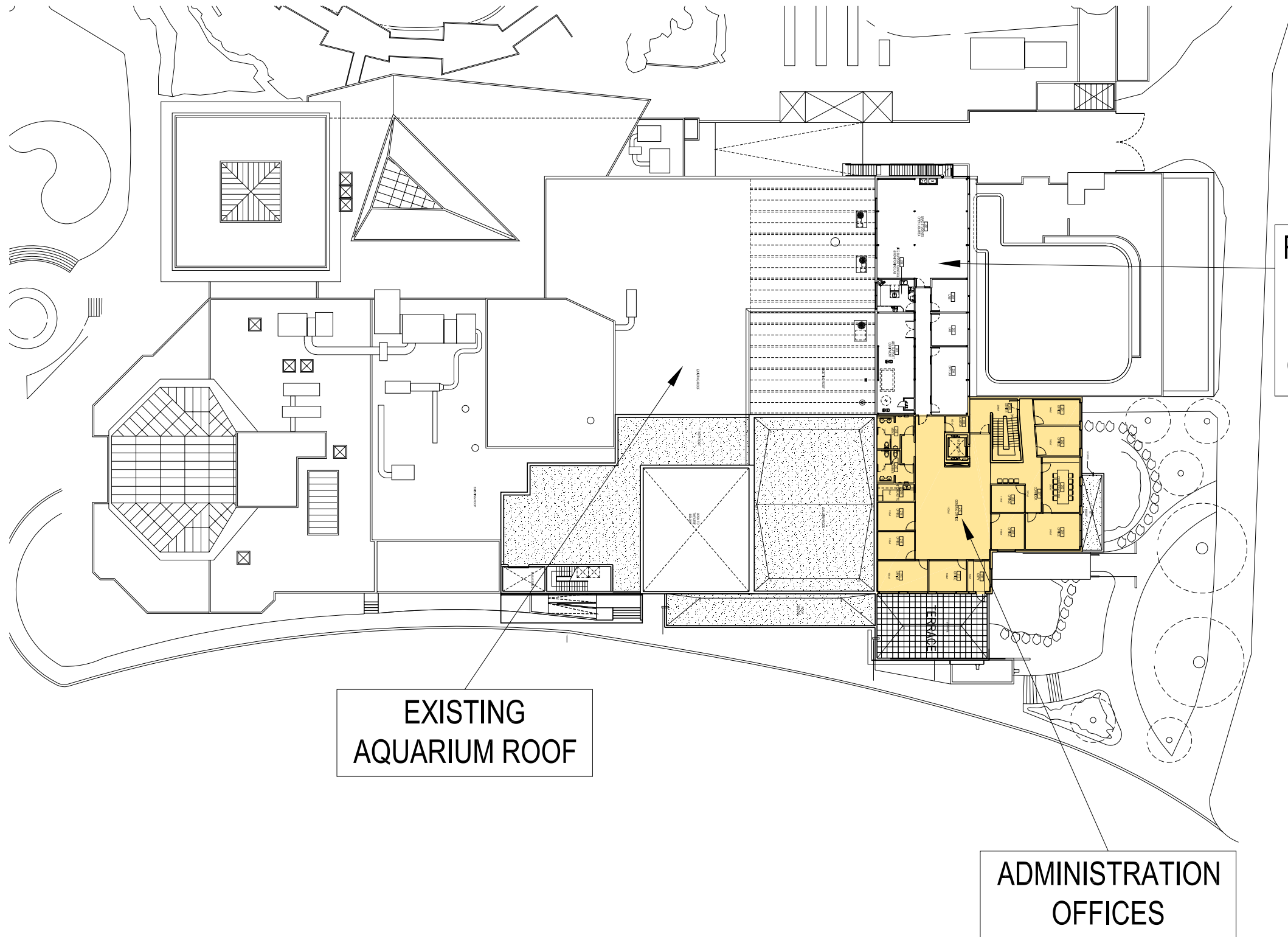




LOWER LEVEL



Stantec



EXISTING
AQUARIUM ROOF

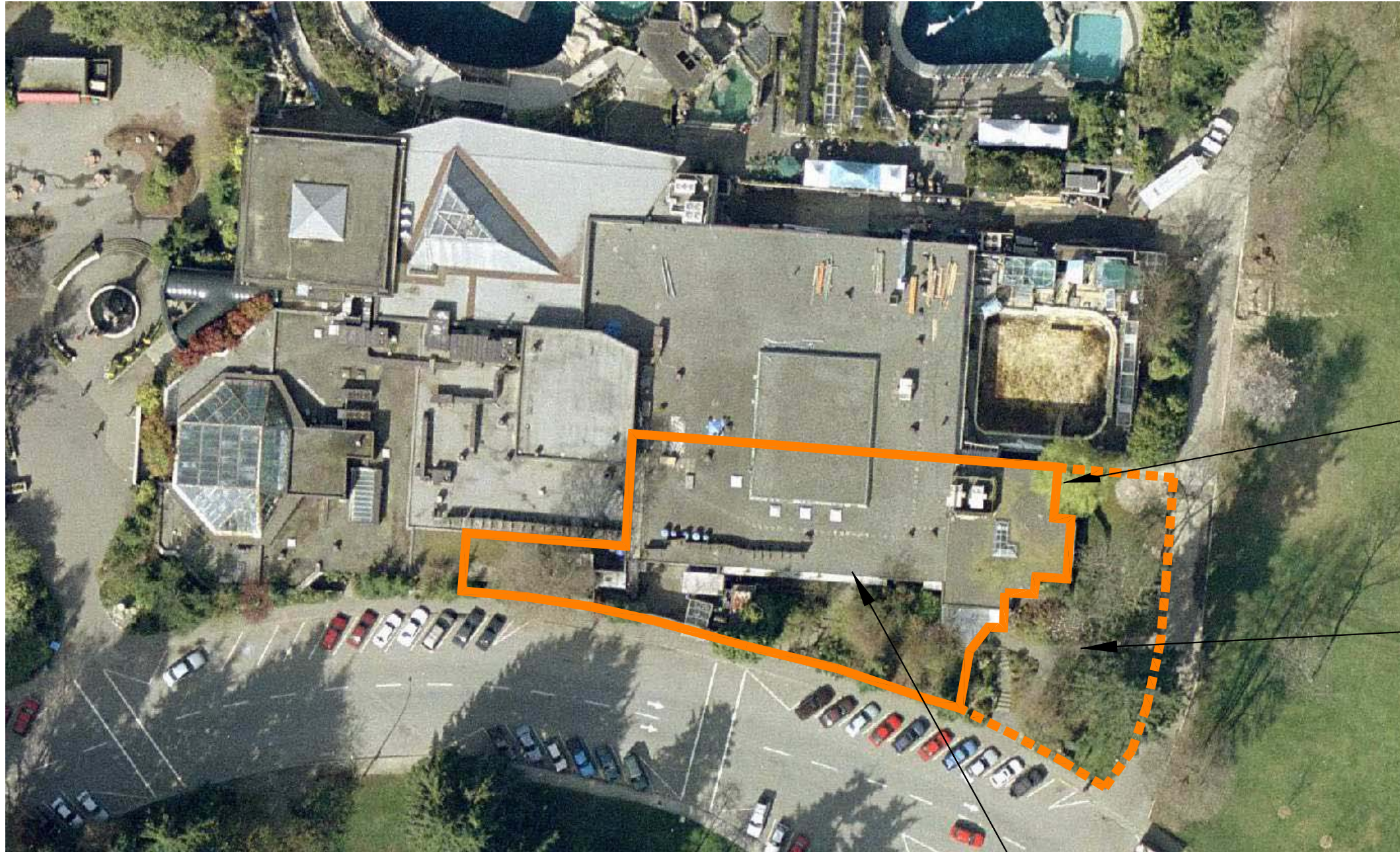
RESEARCH WING
EXPANSION
(UNDER
CONSTRUCTION)

ADMINISTRATION
OFFICES

UPPER LEVEL



Stantec



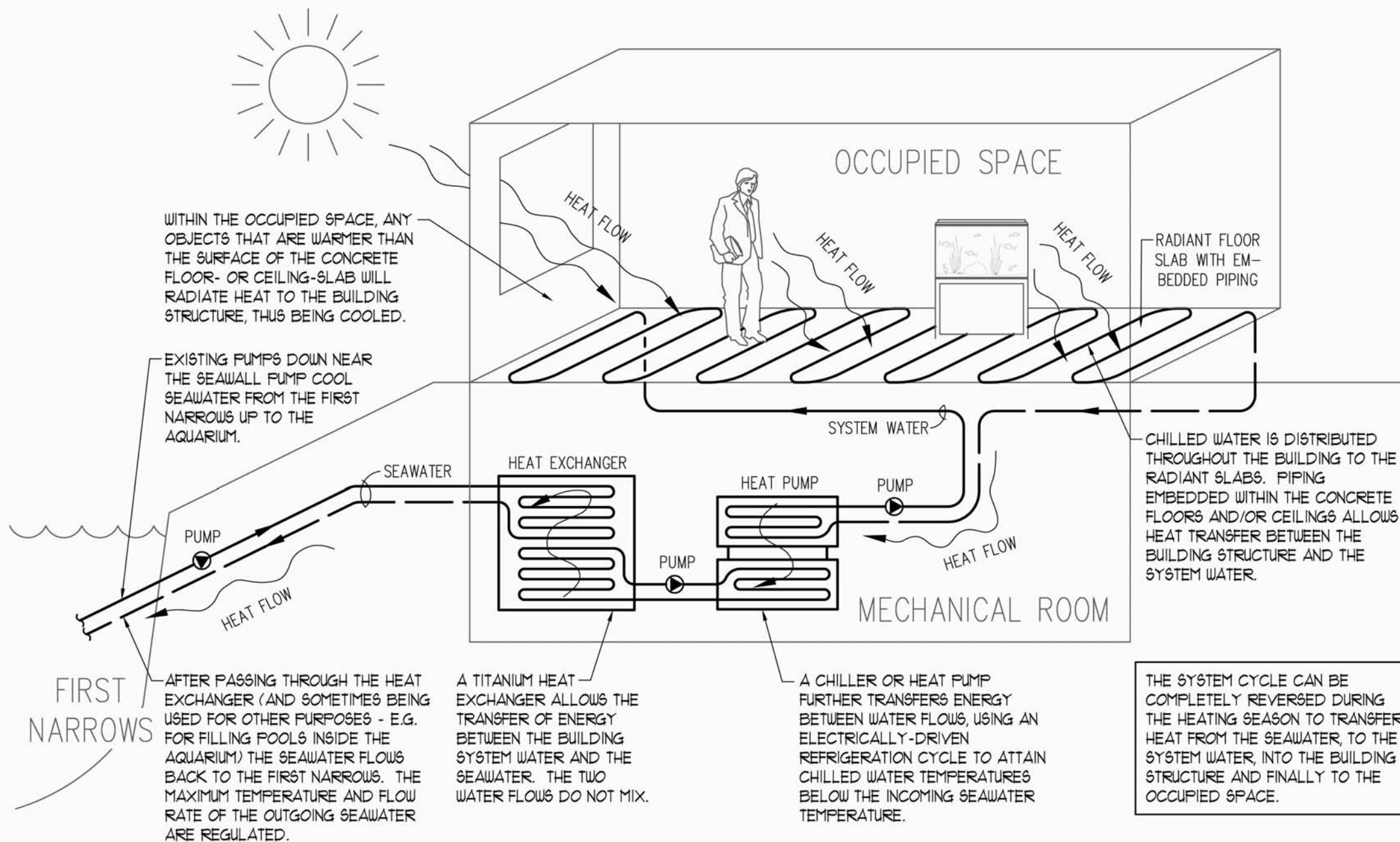
EXTENT OF NEW
CONSTRUCTION

EXTENT OF NEW
LANDSCAPE

PORTION OF EXISTING
BUILDING TO BE
DEMOLISHED

EXTENT OF PROJECT SITE PLAN





MECHANICAL COOLING/HEATING
SYSTEM CONCEPT SCHEMATIC

PROJECT	VANCOUVER AQUARIUM DISCOVERY EDUCATION CENTRE		
	DATE	JOB No.	SKETCH No.
	SEPTEMBER, 2004	04-2237-000	J.E.M.
			SKM-1

VELL
ENGINEERING
CONSULTING MECHANICAL ENGINEERS
Suite 305 - 625 Howe St
Vancouver, BC V6C 2T6
Tel : 604-687-1800
FAX : 604-687-1802
E-MAIL : info@velleng.com

