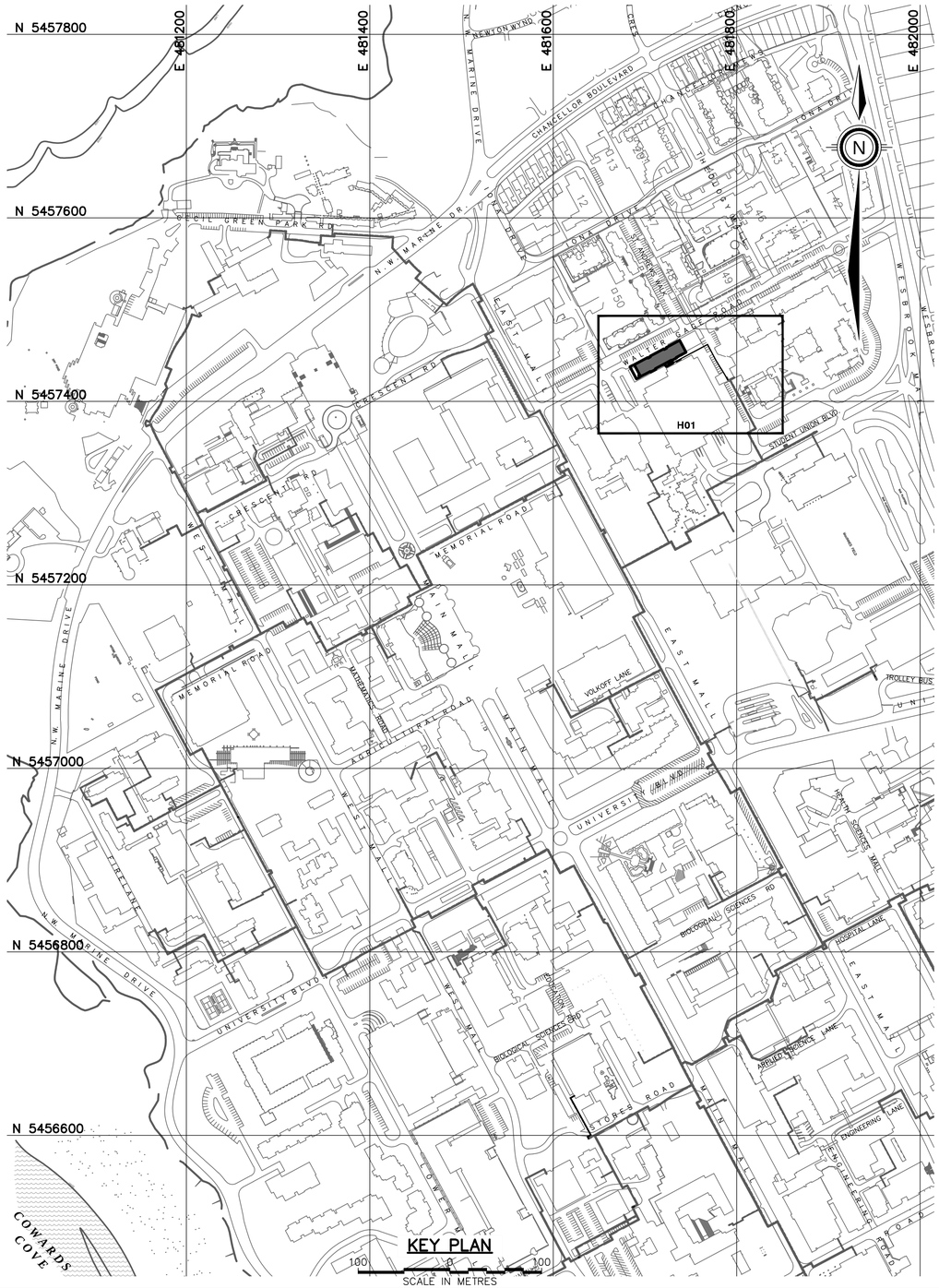
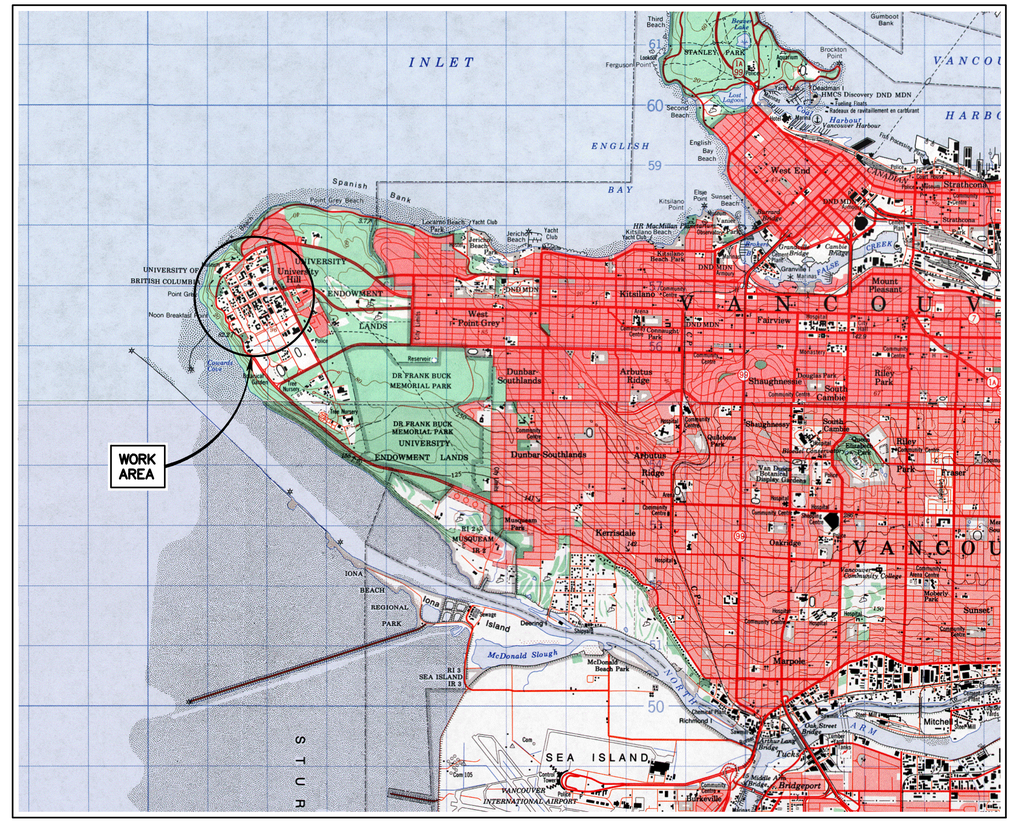


KEY PLAN

100 0 100

SCALE IN METRES



LOCATION MAP

1000 0 1000

SCALE IN METRES

INDEX TO DRAWINGS

SHT.	DWG. NO.	DRAWING TITLE
1	G01	LOCATION MAP, KEY PLAN AND INDEX TO DRAWINGS
2	H01	TALL WOOD BUILDING SERVICE CONNECTION – PLAN AND PROFILE SHEET 1
3	H91	STANDARD DETAILS – SHEET 1
4	H92	STANDARD DETAILS – SHEET 2

THE UNIVERSITY OF BRITISH COLUMBIA
DISTRICT ENERGY SYSTEM
TALL WOOD SERVICE CONNECTION

GENERAL NOTES

1. FABRICATION, ERECTION AND TESTING OF HOT WATER PIPING SHALL BE IN ACCORDANCE TO ASME B31.1 AND CSA B51.
2. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND UBC GUIDELINES (HTTP://WWW.TECHNICAL GUIDELINES.UBC.CA/). IN CASE OF CONFLICT, CONTRACTOR TO REPORT TO ENGINEER IN WRITING.
3. ALL DIMENSIONS ARE ONLY INDICATIVE AND SHALL BE VERIFIED BY CONTRACTOR ON SITE.
4. CONTRACTOR SHALL CONFORM TO MANUFACTURER/SUPPLIER INSTALLATIONS INSTRUCTIONS.
5. ALL PIPING THROUGH SLEEVES OR CORED HOLES SHALL BE SEALED BY CONTRACTOR.
6. ALL JOINTS SHALL BE WELDED UNLESS STATED OTHERWISE.
7. ALL MATERIALS SHALL BE SUPPLIED AND INSTALLED BY CONTRACTOR EXCEPT FOR MATERIAL SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR AS SUMMARIZED IN PROJECT SPECIFICATIONS.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO RECEIVE, HANDLE AND TRACK ALL OWNER SUPPLIED MATERIAL ON SITE AS PER OWNER DIRECTIONS.
9. ANY UTILITY CROSSING WITHIN 250 mm OF HOT WATER PIPING SHALL BE SEGREGATED USING APPROVED INSULATION BOARDS.
10. BID PRICE SHALL INCLUDE ALL COSTS ALLOCATED FOR RELOCATION OF STREET LIGHTING CABLES OBSTRUCTING DES PIPES. OTHER OBSTRUCTIONS SHALL BE ALLOCATED IN THE BID PRICE ONLY IF SHOWN ON THE PLAN AND PROFILE DRAWINGS.
11. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE UN–INSULATED JOINTS ARE PROTECTED FROM WEATHER CONDITIONS AT ALL TIMES AND THAT THE TRENCH IS CONTINUOUSLY DE–WATERED.
12. NONE OF INSTALLED VALVES SHALL BE UTILIZED TO ISOLATE FOR PRESSURE TESTING PURPOSES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY TEMPORARY CONNECTIONS FOR THAT PURPOSE.
13. ALL HOT WATER PIPING SHALL BE STRICTLY ROUTED OUTSIDE OF TREE DRIP LINES.
14. THE CONTRACTOR SHALL COORDINATE BETWEEN THE SUPPLY AND RETURN LINES BURIED PIPING AND THE INTERIOR ABOVE GROUND BUILDING PIPING TO ENSURE PROCESS CONTINUITY. THE ORDER OF PIPING SHOWN ON THE PLAN AND PROFILE DRAWING TAKE PRECEDENCE.
15. DES PIPE SHALL NOT PASS BELOW ANY HYDRO DUCT.
16. BUILDING PENETRATION CONVENTION IS TO ALWAYS HAVE THE RETURN LINE ON THE RIGHT.
17. ALL DES PIPE SHALL BE APPROPRIATELY MARKED WITH PAINT: SUPPLY OR RETURN.
18. ALL CONCRETE CAPS ARE TECHNICAL REQUIREMENT.
19. IF DISTURBING SOIL BEHIND EXISTING THRUST BLOCK, CONSULT ENGINEER FOR SOLUTION.
20. FOR EXCAVATION WITHIN DRIP LINES, CUT ROOTS CLEANLY WITH SAW AFTER GETTING NECESSARY APPROVALS.
21. PRIOR TO CORING BUILDING PENETRATIONS, CONTRACTOR TO EXAMINE INSIDE WALL AND REPORT ANY CONFLICTS (WITH DIMENSIONS AND PHOTOS) TO ENGINEER.
22. SEE DRAWINGS H91 TO H92 FOR ADDITIONAL STANDARD DETAILS.
23. OWNER SUPPLIED LEAK DETECTION JUNCTION BOXES SHALL BE INSTALLED AT ALL BUILDING PENETRATIONS 1.5 m ABOVE FLOOR LEVEL. FOR THOSE BUILDINGS THE S04 PIPE IS TERMINATING OUTSIDE, SUPPLY AND INSTALL LEAK DETECTION WIRES TO BE STRAPPED TO THE S01 PIPE THAT PENETRATE THE BUILDING.
24. CONTRACTOR TO CONFIRM BUILDING PENETRATION LOCATION PRIOR TO EXCAVATION. FINAL ELEVATION OF PIPING AT BUILDING PENETRATIONS TO SUIT SITE CONDITIONS.
25. CONTRACTOR TO ENSURE THAT THE SITE IS RESTORED TO ORIGINAL CONDITION.

AT FULL SIZE THIS BAR MEASURES 100mm. ALL SCALES REFERENCED TO FULL SIZE.

Aug.17/16 2:27 PM

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ISSUED INFORMATION	Issued for	Issue	Date	Issued By
	Reference			
	Approvals	A0	Jul.26/16	KAW
	Tender			
	Permits			
	Construction	C0	Sep.26/16	EMOS
	Record Drawings			

REVISION INFORMATION	Rev. No.	Date	Designed	Drawn	Checked	Description of Revision
	0	Jul.26/16	EMOS	SB	KAW	ISSUED FOR CLIENT REVIEW
	1	Sep.26/16	EMOS	SB	KAW	ISSUED FOR CONSTRUCTION

The University of British Columbia

PROFESSIONAL ENGINEER – PROVINCE OF BRITISH COLUMBIA – A. M. FAHMY # 35522 – 2016-09-26

Seal

KERR WOOD LEIDAL consulting engineers

THE UNIVERSITY OF BRITISH COLUMBIA
UBC DISTRICT ENERGY SYSTEM - TALL WOOD BLDG.
LOCATION MAP, KEY PLAN & INDEX TO DRAWINGS

KWL Project No. 2108-012 | Scale AS SHOWN | G01 Drawing Number

Sheet 1 of 4 | Rev. No. 1

Client: The University of British Columbia