

MECHANICAL LEGEND

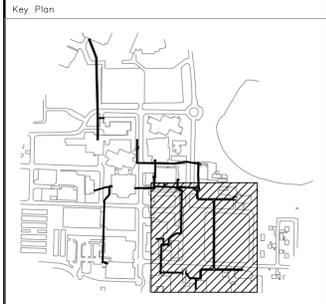
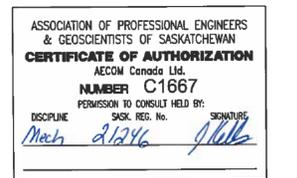
SYMBOL	DESCRIPTION
	BLOCK VALVE
	BLEED VALVE
	ISOLATION VALVE
	BLOWDOWN VALVE
	THERMOSTATIC VALVE
	BALL VALVE
	PRESSURE REDUCING VALVE
	SAFETY RELIEF VALVE
	FLOW CONTROL VALVE
	CHECK VALVE
	PIPING TURNED DOWN
	PIPE TEE
	PIPE ELBOW
	END CAP
	PIPE BREAK LINE
	OBJECT BREAK LINE
	ROUND PIPE BREAK LINE
	ROUND PIPE / DUCT DIAMETER
	RECTANGULAR DUCT
	25mm THK. RIGID FIBERGLASS INSULATION WITH SOLID METAL LINER WITH CLEAR INSIDE DIMENSIONS
	TURNING VANES
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	DUCT SECTION
	EXHAUST DUCT SECTION
	PIPE SECTION
	PUMP
	EXPANSION JOINT
	PIPE GUIDE
	PIPE ANCHOR
	TEMPERATURE SENSOR
	THERMOSTAT
	STEAM REDUCING STATION
	HPD HIGH PRESSURE DRIP LPD LOW PRESSURE DRIP
	EXPANSION LOOP
	PRESSURE GAUGE
	UNION CONNECTION
	Y-STAINER
	MOISTURE SEPARATOR
	STEAM TRAP
	SUMP PUMP
	FIRE HYDRANT
	FIRE SEPARATION
	TAKE-OFF POINT
	REFERENCE CALL OUT DETAILS
	SECTION MARK
	BUILDING NUMBER

SYMBOL	DESCRIPTION
	AIR FLOW DIRECTION
	HIGH PRESSURE STEAM (862 kPag)
	LOW PRESSURE STEAM
	LOW PRESSURE CONDENSATE
	HIGH PRESSURE CONDENSATE
	PUMPED CONDENSATE
	AIR
	DOMESTIC HOT RECIRC WATER
	DOMESTIC HOT WATER
	SOFT WATER
	NATURAL GAS
	PUMPED SANITARY WATER
	COLD WATER SUPPLY
	COLD WATER RECIRC

SYMBOL	DESCRIPTION
	EXISTING HIGH PRESSURE STEAM (862 kPag)
	HIGH PRESSURE CONDENSATE
	LOW PRESSURE SUPPLY
	LOW PRESSURE CONDENSATE
	PUMPED CONDENSATE
	AIR
	DOMESTIC HOT RECIRC WATER
	DOMESTIC HOT WATER
	SOFT WATER
	GAS
	RAW WATER
	STORM WATER
	COLD WATER SUPPLY
	COLD WATER RECIRC
	DOMESTIC COLD WATER

ABBREVIATION	(E)	EXISTING
AHU / MUA		AIR HANDLING UNIT / MAKE-UP AIR UNIT
BT		BUCKET TRAP
BV		BALL VALVE
CV		CHECK VALVE
EX		EXHAUST
EXJ		EXPANSION JOINT
FD		FIRE DAMPER
FEX		FIRE EXTINGUISHER
FH		FIRE HYDRANT
FT		FLASH TANK
GV		GATE VALVE
NO / NC		NORMAL OPEN / NORMAL CLOSE
PH		PENTHOUSE
PRV		PRESSURE REDUCING VALVE
REC		CONDENSATE RECEIVER
SP		SUMP PUMP
STP		STEAM TRAP
UH		UNIT HEATER
YS		Y-STRAINER
B.O.		BOTTOM OF
C.L.		CENTER LINE
Lvl.		LEVEL
T.O.		TOP OF
TYP.		TYPICAL
U.S.		UNDER SIDE
EL		ELEVATION

TENDER
NOT FOR CONSTRUCTION



Revision	Description	Date
E	Issued For Tender	19/09/30
D	Issued For 99% Review	19/06/21
C	Issued For 85% Review	19/03/15
B	Not Issued	-
A	Not Issued	-

Client
Public Works and Government Services Canada

Project title
Tunnel Revitalization

Designed by
J. Kells
 Drawn by
M. Diego
 Approved by
B. Wolfater
 PWGSC Project Manager
J. Dayman
 Drawing title

Package 1 - TBU43 - Above Ground
 Mechanical
 Legends

Project no.	Drawing no.	Revision no.
1004259	M1.00	E

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