

4. UPDATE MILLHAVEN CHP & SERVICES	09/2011
3. NEW BATH SALLY PORT & BUILDING	08/2011
2. UNIT MANAGEMENT OFFICES	02/2011
1. GENERATOR INSTALLATION	08/2010

LEGEND

(271.89)	MAIN FLOOR ELEVATION
(R)	HORIZONTAL CTRL MONUMENT
(V)	VERTICAL BENCH MARK
(S)	SURVEY PERIMETER BOUNDARIES
(B)	BUILDING
(B)	BURIED STRUCTURE
(D)	DITCH
(C)	CULVERT
(A)	ANTENNA
(G)	GUARDRAIL
(S)	SIGN (SINGLE/DOUBLE POST)
(R)	REGULAR FENCE
(XX)	SECURITY FENCE
(C)	CCTV CAMERA
(M)	MOTION SENSOR
(TM)	TRANSCIVER MODULE
(D)	FENCE DETECTOR
(B)	BELL PEDESTAL
(B)	BELL MANHOLE
(B)	BELL O/H CABLE
(B)	BELL U/G CABLE
(B)	SPEAKER
(I)	INTERCOM
(SD)	SATELLITE DISH
(CMJ)	COMMUNICATION U/G
(CMJ)	VOICE/DATA CABLE
(CMJ-FA)	COMMUNICATION U/G
(FOU)	FIBRE OPTICS U/G
(VSD)	VIDEO SIGNAL U/G
(VSD)	CABLE U/G LINE
(A)	TRANSF. ON CONCRETE PAD
(P)	PULL PIT
(J)	JUNCTION BOX
(H)	HAND POLE
(G)	GROUND INSPECTION BOX
(L)	LEAK
(HP)	HYDRO POLE
(M)	POLE MTD TRANSFORMER
(EMH)	ELECTRICAL MANHOLE
(E)	FIBRE OPTICS MANHOLE
(S)	STREET LIGHT - 120V
(S)	POLE ANCHOR
(S)	WALL MOUNTED LIGHT
(S)	ELECT. RECEPTACLE
(HWD)	440V O/H LINE
(HW)	12.5/7.2KV O/H LINE
(HAW)	13.2/7.2KV U/G LINE
(MW)	600V 3Ø 3W O/H LINE
(MWU)	600V 3Ø 3W U/G LINE
(NW)	120/240V 1Ø 3W O/H
(NWU)	120/240V 1Ø 3W U/G
(NWU)	POWER SERVICE
(LTD)	120/240V 1Ø 3W STREET LIGHTING
(LTD)	LIGHTING AND POWER CABLE U/G LINE
(W)	WATER WELL
(W)	SHARPE CONNECTION
(W)	WATER METER
(W)	PIPE CAP
(FH)	FIRE HYDRANT
(V)	WATER VALVE
(VPC)	VALVE PUMP CHAMBER
(MIPV)	POST INDICATOR VALVE
(V)	HOSE CONNECTION
(V)	FIRE MAIN
(W)	WATER LINE/WELL SUPPLY LINE
(HS)	STEAM LINE (SUPPLY & RETURN)
(P)	PROPANE LINE
(G)	GAS LINE U/G LINE
(G)	GAS VALVE
(G)	GAS METER
(S)	STORM SEWER
(MHC)	MANHOLE CATCHBASIN
(M)	STORM MANHOLE
(CB)	CATCH BASIN
(S)	SANITARY SEWER
(S)	SANITARY MANHOLE
(G.I.H.T.1)	GREASE INTERCEPTOR
(H)	HOLDING TANK
(C)	CLEANOUT
(T)	TO BE VERIFIED
(A)	ABANDONED SERVICES
(M)	HAZARDOUS MATERIAL

NOTE: DATA SHOWN REPRESENTS THE SITE CONDITION MARCH 31, 2008.

A	Detail No.
B	No. of detail
C	drawing no. - where detail required
	drawing no. - where detail sought
	drawing no. - where detail desired
	design no. - as detail

Project No. 2007-12-31
 Millhaven Correctional Service Canada
 Bath Institution

AERP-CONDITION SURVEY 2007

Working No. 310304
 Date of Issue 2007-12-31
SITE SERVICES WATER

Designed by: J. Sormilic
 Drawn by: R. Pitton
 Reviewed by: R. Pitton
 Approved by: J. Sormilic

Project Date: 2007-12-31
 Date of Issue: 2007-12-31
 Drawing No.: 310304
 Revision No.: 423-09/1
 Version No.: 2

NOTES:

1. ALL CO-ORDINATES FOR THIS PLAN ARE REFERENCED TO THE NAD 83 DATUM. ON SITE NAD83 CO-ORDINATES WERE ESTABLISHED USING D.G.P.S. POSITIONING. CO-ORDINATES ARE REDUCED GRID VALUES. APPLY A COMBINED SCALE FACTOR OF 0.999816 TO PLAN CO-ORDINATES TO OBTAIN GROUND DISTANCES.
2. HORIZONTAL CONTROL:
 1) BASE STATION FOR THE ABOVE WORKS WAS MONUMENT #723114 AS SUPPLIED BY GEODETIC SURVEY OF CANADA.
 UNIQUE NUMBER: 723114 NAME: AMHERST U.S.L.C.(U.S. LAKE SURVEY)
 PROVINCIAL IDENT: 00723114
 DATUM: NAD83
 LAT: 44-07-23.92540 LONG: 76-41-24.09902
 UTM: 218 N= 4,886,839.0777m E= 364,785.483m
 GEOID SEPARATION: -34.624m
3. VERTICAL CONTROL:
 1) ALL ELEVATIONS SHOWN ON PLAN ARE GEODETIC AND ARE REFERENCED TO BENCHMARK 670182 - ELEVATION 26.081m. ELEVATIONS ARE BASED ON CGD88 (CANADIAN GEODETIC DATUM OF 1928). BENCHMARK CAN BE LOCATED ON A LARGE CONCRETE CULVERT UNDER HWY #33, 1.4 Km EAST OF JUNCTION WITH HWY #133, 0.5km WEST OF THE ENTRANCE TO C.I.L. MILLHAVEN FIBRES LTD PLANT TRAILER IN TOP OF CULVERT, 30cm FROM SOUTH END, 30cm FROM EAST EDGE, 1m BELOW ROAD LEVEL.
4. ORIGINAL FIELD SURVEY TO COMPLETE CONDITION SURVEY SITE PLAN WAS CONDUCTED FROM NOVEMBER 1994 TO MARCH 31, 1995. ADDITIONAL SURVEY TO UPDATE SITE PLAN FOR "BATH INSTITUTION" ONLY WAS CONDUCTED FROM NOVEMBER 1996 AND MAY, JUNE AND SEPTEMBER 1997.
5. MONUMENTATION:
 ADDITIONAL BRASS MONUMENTS LABELLED PUBLIC WORKS CANADA SURVEY MARKER WERE SET ON SITE MONUMENTS #9 AND #10 ARE PERMANENTLY SET BOLTS WITH NO LABEL. MONUMENT #1 HAS NO LABEL.
 NEW MONUMENTS ARE AS FOLLOWS:

LABEL	NORTHING	EASTING	ELEVATION
1	N= 4,894,478.534	E= 360,158.000	ELEV= 91.041
2	N= 4,894,326.849	E= 359,869.008	ELEV= 91.182
3	N= 4,894,616.686	E= 359,866.083	ELEV= 95.884
4	N= 4,894,680.874	E= 359,593.008	ELEV= 95.884
5	N= 4,895,246.307	E= 360,161.974	ELEV= 95.158 DESTROYED
SM008	N= 4,895,381.450	E= 359,866.753	ELEV= 95.835
9	N= 4,895,101.828	E= 359,931.425	ELEV= 95.835
10	N= 4,895,159.256	E= 359,948.901	ELEV= 96.189
SM011	N= 4,895,404.450	E= 359,834.173	ELEV= 98.923
11	N= 4,894,812.754	E= 359,917.025	ELEV= 97.005

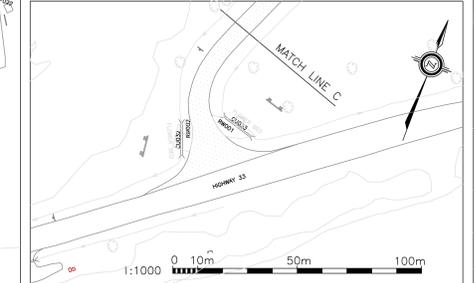
6. ADDITIONAL TOPOGRAPHIC AND SITE SERVICES INFORMATION WAS OBTAINED FROM:
 1) PWSCC CONTRACT DRAWINGS - "PERIMETER SECURITY FENCE" PROJ. NO. 699489, DATED 94-12-02
 2) PWSCC CONTRACT DRAWINGS - "PRIVATE HOUSING" PROJ. NO. 670568, DATED 94-05-16
 3) VARIOUS "AS-BUILT" DRAWINGS OF SITE SERVICES WORKS AND "1985 PHYSICAL PLAN SURVEY" DRAWINGS PROJ. NO. 620051, DATED FEB. 1985
7. LOCATION RECORDS OF BURIED GAS MAIN AND SERVICES WAS SUPPLIED BY CENTRA GAS ONTARIO INC. WITH SOME LINE LOCATES DONE BY PWSCC IN 96/97 SURVEYS.
8. LOCATION RECORDS OF BURIED MAIN TELEPHONE SERVICE WAS SUPPLIED BY BELL CANADA, WITH SOME LINE LOCATES DONE BY PWSCC IN 96/97 SURVEYS.
9. ALL PIPE DIAMETERS ARE IN MILLIMETRES.

CAUTION

1. SOME BURIED ELECTRICAL, TELEPHONE, WATER AND GAS LINES ARE SHOWN IN APPROXIMATE LOCATIONS
2. EXACT LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION WORKS.

10. BETWEEN MARCH 31, 1995 AND MARCH 31, 2008 SEVERAL PLANNING MAPPING AND UTILITY DATA VALIDATION SURVEYS HAVE BEEN CARRIED OUT AT BOTH THE MILLHAVEN AND BATH INSTITUTIONS, TO REFLECT THE PHYSICAL CHANGES TO THESE SITES AND TO VERIFY THE LOCATION OF THE UNDERGROUND SERVICES.
 CAUTION: THESE UPDATES DO NOT CAPTURE SITE CONSTRUCTION THAT WAS INCOMPLETE AT DECEMBER 31, 2007.

THE FOLLOWING HEATING MANHOLES CONTAIN VALVES:
 HMH101
 HMH102
 HMH103
 HMH104
 HMH105
 HMH107
 HMH109



BUILDING INDEX - MILLHAVEN INSTITUTION

MHA01	ADMINISTRATION BUILDING	MHW	INDUSTRIAL UNIT
MHA	CONTROL UNIT	MHW	GATE HOUSE
MHB	CELL UNIT	MHC	SEARCH & CONTROL BUILDING
MHC	CELL UNIT	MHC	MILLHAVEN HEATING PLANT
MHD	CELL UNIT	MHT	MAIN OBSERVATION TOWER
MHE	CELL UNIT	MHT	OBSERVATION TOWER
MHF	CELL UNIT	MHT	OBSERVATION TOWER
MHG	CELL UNIT	MHT	OBSERVATION TOWER
MHH	CELL UNIT	MHT	GUARD TOWER
MHI	CELL UNIT	MHT	GUARD TOWER
MHJ	CELL UNIT	MHT	GUARD TOWER
MHK	CELL UNIT	MHT	GUARD TOWER
MHL	CELL UNIT	MHT	GUARD TOWER
MHM	CELL UNIT	MHT	GUARD TOWER
MHN	CELL UNIT	MHT	GUARD TOWER
MHO	CELL UNIT	MHT	GUARD TOWER
MHP	CELL UNIT	MHT	GUARD TOWER
MHQ	CELL UNIT	MHT	GUARD TOWER
MHR	PASSAGE	MHS0	CONTRACTOR'S SITE OFFICE
MHS	PASSAGE	MHTU	FAMILY VISIT UNITS & ABC
MHT	PASSAGE	MHSB	STORAGE BUILDING
		MHS	SITE BUILDING
		MHS5	STORAGE SHED
		MHSMA	UNIT MANAGEMENT A
		MHSME	UNIT MANAGEMENT E
		MHSJ	UNIT MANAGEMENT J
		MHSK	KINGSTON IMMIGRATION HOLDING CENTRE

BUILDING INDEX - BATH INSTITUTION

BA02	KITCHEN/CORCAN BUILDING	BB20	CHAPEL & MEETING BUILDING
BA03	MAINTENANCE BUILDING	BB21	CARPENTER'S STORAGE BUILDING
BA04	BATH HEATING PLANT	BB22	ACCOM. UNIT #3 (3-UNIT ROWHOUSE H&M)
BA05	INFLAMMABLE STORAGE BUILDING	BB23	ACCOM. UNIT #3 (3-UNIT ROWHOUSE K&M)
BA06	FOUNDATIONS STOR. BLDG.	BB24	ACCOM. UNIT #3 (COMMUNITY BUILDING #2)
BA08	SALT & SAND STORAGE BUILDING	BB25	MECHANICAL CHASE ENTRANCE
BA09	MECHANICAL CHASE ENTRANCE	BB26	EDUCATION CENTRE
BAWR	WATER RESERVOIR	BB27	ELECTRICAL BUILDING
BB01	ADMINISTRATION BUILDING	BB28	FIRING SHELTER #1
BB02	CASE MANAGEMENT BUILDING	BB29	STORAGE BUILDING
BB03	ACCOMMODATION UNIT #1	BB30	SMOKE HOUSE
BB04	HOBBY CRAFT/DATA QUICK	BB31	STORAGE BUILDING #2
BB05	RECREATION/FORMAL DEVELOPMENT BUILDING	BB32	STORES, SHIPPING & RECEIVING
BB06	INFORMATICS/STORAGE	BB33	TRAINING FACILITY BULLER HEALTH CARE SERVICE
BB07	SCHOOL PROGRAMS & HEALTH CARE SERVICE	BB34	IMPLEMENT BUILDING
BB08	ACCOM. UNIT #3 (2 UNIT ROWHOUSE A&B)	BB35	EMERGENCY OBSERVATION BUILDING
BB09	ACCOM. UNIT #3 (2 UNIT ROWHOUSE C&D)	BB36	BACKFLOW PREVENTER BUILDING
BB10	ACCOM. UNIT #3 (3-UNIT ROWHOUSE E,F&G)	BB38	ACCOM. UNIT #3 (13-MAN UNIT)
BB11	ACCOM. UNIT #3 (COMMUNITY BUILDING #1)	BT04	ACCOM. UNIT #2 (80-MAN UNIT)
BB12	ARCADE	BT05	EMERGENCY RESPONSE TEAM TRAILER
BB13	SALLY PORT	BT06	ARTS & CRAFTS UNIT
BB14	FAMILY VISIT UNIT #1	BT07	SPORTS FACILITY
BB15	FAMILY VISIT UNIT #2	BT08	TRAINING FACILITY TRAILER
BB16	FAMILY VISIT UNIT #3		
BB17	FAMILY VISIT UNIT #3		
BB18	X & C BUILDING		
BB19	A & D & S/B BUILDING		