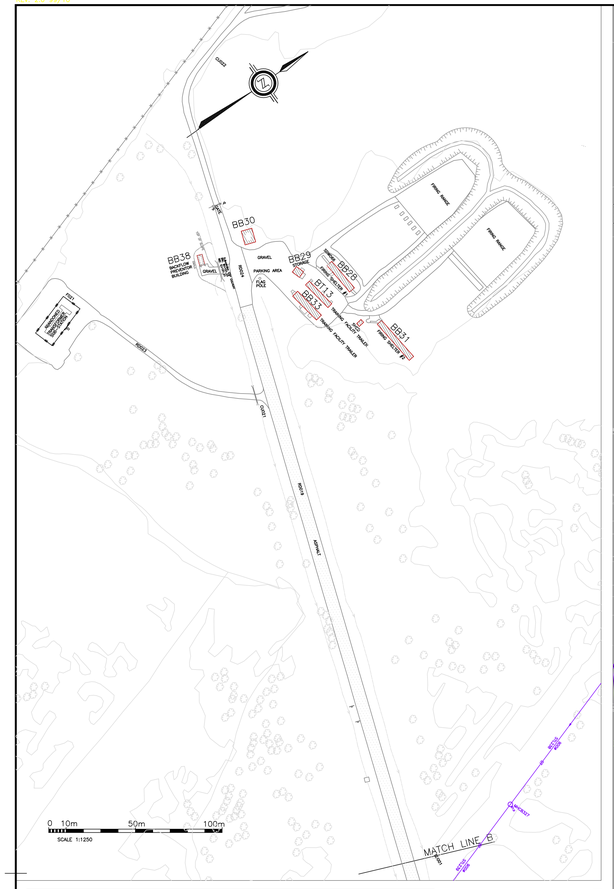
REV. 2.0 96/10

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 millimetres



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.: 001723114
   DATUM: NAD83
   LAT. 44-07-23.32540 LONG. 76-41-24.00902
   U.T.M. Z18 N= 4,886,939.077m E= 364,785.483m
   GEOID SEPARATION: -34.624m

3. VERTICAL CONTROL:
   1) ALL ELEVATIONS SHOWN ON PLAN ARE GEODETIC AND ARE REFERENCED TO BENCHMARK 67U182 – ELEVATION 76.061m. ELEVATIONS ARE BASED ON CGD28 (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, TABLET 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 AT BUILDING A–3 HAS NO LABEL.
   NEW MONUMENTS ARE AS FOLLOWS:

LABEL	NORTHING	EASTING	ELEVATION
1	N= 4,894,478.534	E= 360,159.060	ELEV.= 91.041
2	N= 4,894,398.849	E= 359,869.006	ELEV.= 91.182
4	N= 4,894,618.686	E= 359,666.093	ELEV.= 96.075
5	N= 4,894,680.874	E= 359,593.008	ELEV.= 95.884
7	N= 4,895,246.307	E= 360,161.974	ELEV.= 95.158 DESTROYED
SMON8	N= 4,895,381.460	E= 359,866.753	ELEV.=
9	N= 4,895,101.828	E= 359,931.425	ELEV.= 95.835
10	N= 4,895,159.266	E= 359,848.851	ELEV.= 96.189
SMO11	N= 4,895,404.450	E= 359,834.173	ELEV.= 98.923
A–3	N= 4,894,812.764	E= 359,817.025	ELEV.= 97.005

6. ADDITIONAL TOPOGRAPHIC AND SITE SERVICES INFORMATION WAS OBTAINED FROM:
   1) PWGSC CONTRACT DRAWINGS – "PERIMETER SECURITY FENCE" PROJ. No. 698469, DATED 94-12-02
   2) PWGSC CONTRACT DRAWINGS – "INMATE 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. 620651, 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 PWGSC IN 96/97 SURVEYS.

8. LOCATION RECORDS OF BURIED MAIN TELEPHONE SERVICE WAS SUPLIED BY BELL CANADA. WITH SOME LINE LOCATES DONE BY PWGSC IN 96/97 SURVEYS.

9. ALL PIPE DIAMETERS ARE IN MILLIMETRES.

CAUTION

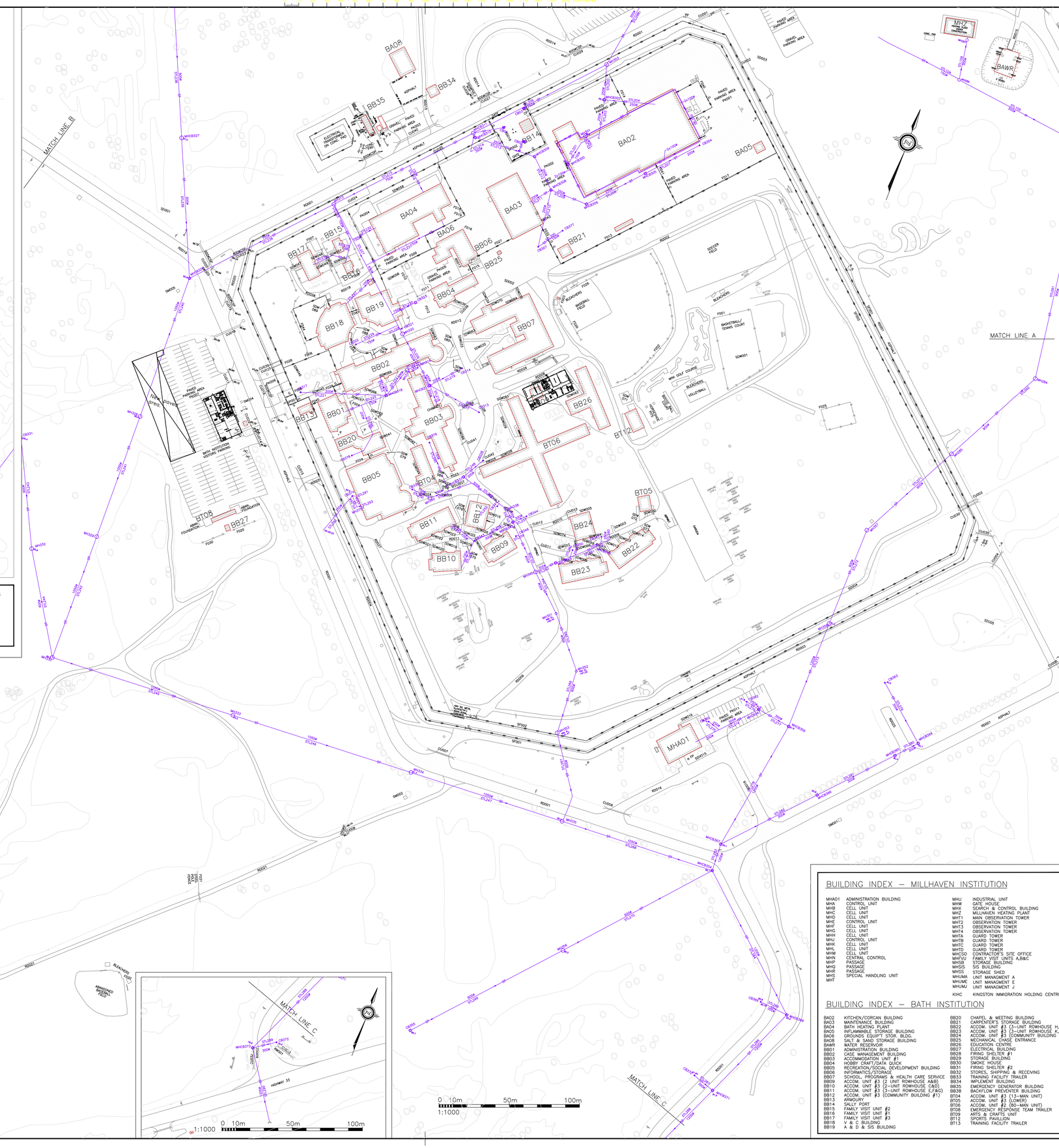
1. SOME BURIED ELECTRICAL, TELEPHONE, WATER AND GAS LINES ARE SHOWN IN APPROXIMATE LOCATIONS
2. EXACT LOCATION OF ALL BURIED SERVICES TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION WORKS.

NB
10. BETWEEN MARCH 31, 1995 AND MARCH 31, 2008 SEVERAL PLANIMETRIC MAPPING AND UTILITY DATA VALIDIFICATION 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, 20007.

THE FOLLOWING HEATING MANHOLES CONTAIN VALVES:

HMH101
HMH102
HMH103
HMH104
HMH105
HMH107
HMH109



Public Works and Government Services Canada
Architectural and Engineering Services
Ontario Region

Travaux publics et Services gouvernementaux Canada
Services d'architecture et de génie
Région de l'Ontario

4	UPDATE MILLHAVEN CHP & SERVICES	09/2011
3	NEW BATH SALLY PORT & BUILDING	06/2011
2	UNIT MANAGEMENT OFFICES	02/2011
1	GENERATOR INSTALLATION	08/2010
revisions		date

LEGEND

- 271.89 MAIN FLOOR ELEVATION
- HORIZONTAL CTRL MONUMENT
- VERTICAL BENCH MARK
- SURVEY & PERIMETER BOUNDARIES
- BUILDING
- BURIED STRUCTURE
- DITCH
- CULVERT
- ANTENNA
- GUARDRAIL
- SIGN (SINGLE/DOUBLE POST)
- REGULAR FENCE
- SECURITY FENCE
- CCTV CAMERA
- MOTION SENSOR
- TRANSCEIVER MODULE
- FENCE DETECTOR
- FA SEC FIRE ALARM & SECURITY U/G
- PED BELL PEDESTAL
- BMH BELL MANHOLE
- B BELL O/H CABLE
- B BELL U/G/ CABLE
- SPEAKER
- INTERCOM
- SD SATELLITE DISH
- CMU COMMUNICATION U/G
- VOICE/DATA CABLE
- CMU–FA COMMUNICATION U/G FIRE ALARM
- FOU FIBRE OPTICS U/G DUCT C/W CABLE
- VID VIDEO SIGNAL U/G (CABLE)
- TRANSF. ON CONCRETE PAD
- PULL PIT
- JB JUNCTION BOX
- HH HAND HOLE
- GIB GROUND INSPECTION BOX
- LS LIGHT STANDARD
- HYDRO POLE
- POLE MT'D TRANSFORMER
- EMH ELECTRICAL MANHOLE
- FIBRE OPTICS MANHOLE
- STREET LIGHT – 120V
- POLE ANCHOR
- WALL MOUNTED LIGHT
- ELECT. RECEPTACLE
- HVOO 44KV O/H LINE
- HVO 12.5/7.2kV O/H LINE
- HVU 12.3/7.2kV U/G LINE
- MVO 600V 3Ø 3W O/H LINE
- MVU 600V 3Ø 3W U/G LINE
- NVO 120/240V 1Ø 3W O/H POWER SERVICE
- NVU 120/240V 1Ø 3W U/G POWER SERVICE
- LTO 120/240V 1Ø 3W STREET LIGHTING
- LTOO 120 1Ø 2W STREET LIGHTING AND POWER SERVICE U/G LINE
- WATER WELL
- SIAMESE CONNECTION
- W WATER METER
- PIPE CAP
- FH FIRE HYDRANT
- WATER VALVE
- VPC VALVE PUMP CHAMBER
- PIV POST INDICATOR VALVE
- HOSE CONNECTION
- V VENT
- FM FIRE MAIN
- W WATER LINE/WELL SUPPLY LINE
- NS STEAM LINE (SUPPLY & RETURN)
- P PROPANE LINE
- G GAS LINE
- GAS VALVE
- GAS METER
- STORM SEWER
- MHCB MANHOLE CATCHBASIN
- MH STORM MANHOLE
- CB CATCH BASIN
- SAN SANITARY SEWER
- SAM SANITARY MANHOLE
- G.I.H.T.1 GREASE INTERCEPTOR
- HOLDING TANK
- CLEANOUT
- TBV TO BE VERIFIED
- ABANDONED SERVICES
- HAZARDOUS MATERIAL

NOTE: DATA SHOWN REPRESENTS THE SITE CONDITION MARCH 31, 2009.

A Detail No.
B No. du detail
C drawing no. – where detail required
dessin no. – ou detail évoqué
drawing no. – where detailed
dessin no. – ou detaillé

BUILDING INDEX – MILLHAVEN INSTITUTION

MHA01	ADMINISTRATION BUILDING	MHU	INDUSTRIAL UNIT
MHA	CONTROL UNIT	MHW	GATE HOUSE
MHB	CELL UNIT	MHX	SEARCH & CONTROL BUILDING
MHC	CELL UNIT	MHZ	MILLHAVEN HEATING PLANT
MHD	CELL UNIT	MHT1	MAIN OBSERVATION TOWER
MHE	CONTROL UNIT	MHT2	OBSERVATION TOWER
MHF	CELL UNIT	MHT3	OBSERVATION TOWER
MHG	CELL UNIT	MHT4	OBSERVATION TOWER
MHH	CELL UNIT	MHTA	GUARD TOWER
MHJ	CONTROL UNIT	MHTB	GUARD TOWER
MHK	CELL UNIT	MHTC	GUARD TOWER
MHL	CELL UNIT	MHTD	GUARD TOWER
MHM	CELL UNIT	MHSO	CONSTRUCTION SITE OFFICE
MHN	CENTRAL CONTROL	MHFVG	FAMILY VISIT UNITS A,B&C
MHP	PASSAGE	MHSR	STORAGE BUILDING
MHQ	PASSAGE	MHSIS	SIS BUILDING
MHR	PASSAGE	MHSS	STORAGE SHED
MHS	SPECIAL HANDLING UNIT	MHUMA	UNIT MANAGMENT A
MHT		MHUME	UNIT MANAGMENT E
		MHUMJ	UNIT MANAGMENT J
		KIHC	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,I&J)
BA05	INFLAMMABLE STORAGE BUILDING	BB23	ACCOM. UNIT #3 (3–UNIT ROWHOUSE K,L&M)
BA06	GROUNDS EQUIPT STOR. BLDG.	BB24	ACCOM. UNIT #3 (COMMUNITY BUILDING #2)
BA08	SALT & SAND STORAGE BUILDING	BB25	MECHANICAL CHASE ENTRANCE
BAWR	WATER RESERVOIR	BB26	EDUCATION CENTRE
BB01	ADMINISTRATION BUILDING	BB27	ELECTRICAL BUILDING
BB02	CASE MANAGEMENT BUILDING	BB28	FIRING SHELTER #1
BB03	ACCOMMODATION UNIT #1	BB29	STORAGE BUILDING
BB04	HOBBY CRAFT/DATA QUICK	BB30	SMOKE HOUSE
BB05	RECREATION/SOCIAL DEVELOPMENT BUILDING	BB31	FIRING SHELTER #2
BB06	INFORMATICS/STORAGE	BB32	STORES, SHIPPING & RECEIVING
BB07	SCHOOL, PROGRAMS & HEALTH CARE SERVICE	BB33	TRAINING FACILITY TRAILER
BB09	ACCOM. UNIT #3 (2–UNIT ROWHOUSE A&B)	BB34	IMPLEMENT BUILDING
BB10	ACCOM. UNIT #3 (2–UNIT ROWHOUSE C&D)	BB35	EMERGENCY GENERATOR BUILDING
BB11	ACCOM. UNIT #3 (3–UNIT ROWHOUSE E,F&G)	BB38	BACKFLOW PREVENTER BUILDING
BB12	ACCOM. UNIT #3 (COMMUNITY BUILDING #1)	BT04	ACCOM. UNIT #3 (13–MAN UNIT)
BB13	ARMOURY	BT05	ACCOM. UNIT #3 (LOWER)
BB14	SALLY PORT	BT06	ACCOM. UNIT #2 (80–MAN UNIT)
BB15	FAMILY VISIT UNIT #2	BT08	EMERGENCY RESPONSE TEAM TRAILER
BB16	FAMILY VISIT UNIT #1	BT09	ARTS & CRAFTS UNIT
BB17	FAMILY VISIT UNIT #3	BT12	SPORTS PAVILLION
BB18	V & C BUILDING	BT13	TRAINING FACILITY TRAILER
BB19	A & D & SIS BUILDING		

project title
titre du projet
MILLHAVEN ONTARIO
CORRECTIONAL SERVICE CANADA
BATH INSTITUTION

AERP–CONDITION SURVEY 2007

drawing title
titre du dessin
SITE SERVICES
STORM

designed by
conc. par:

drawn by
dessiné par J.Sormilic

reviewed by
examiné par R. Pitton

approved by
approuvé par

project date
date du projet 2007-12-31

project no.
no. du projet 310304

drawing no.
dessin no. 423–08/1

version no. 2

DISC-M1 PLOT SCALE: 1:1000 CAD FILE: ERAM.DGN # 74473