REV. 2.0 99/10

CSC Site Plan Layer Standard

LAYER	LAYER CONTENTS	COLOR	LINETYPE	THICKNESS
BUILDING	Building Footprints	14	Continuous	.500
BUILDING_TXT	Building ID and finished floor elev's*	7 (white)	Continuous	.250
COMMUNICATIONS_A	Communications Lines and Equipment (Above Ground)	20	Continuous	.250
COMMUNICATIONS_A_TXT	Descriptive Text*	20	Continuous	.250
COMMUNICATIONS_A_NOT IN USE	Communications Lines not in use**	20	NOT IN USE	Continuous .250
COMMUNICATIONS_U	Communications Lines and Equipment (Under Ground)	20	Hidden	.250
ELECTRICAL_A	Site Electrical , Wires, Manholes, Electrical Features, Lighting and Light Poles (Above Ground)	242	Continuous	.250
ELECTRICAL_U	Electrical Lines (Under Ground)	242	Hidden	.250
ELECTRICAL_U	Duct Banks	242	Hidden polyline	.350
FUEL_A	Gas Meters, Tanks	40	Continuous	.250
FUEL_U	Gas Lines, Propane Lines	40	Hidden	.250
GRADING	Grading, Berms, Ditches	252	Continuous	.250
LEGEND	Legend	7 (white)	Continuous	.250
NOTES	Schedules, Tables, Bar Scales, North Arrows, etc.	7 (white)	Continuous	.250
SANITARY	Sanitary Lines, Sanitary Manholes	80	Continuous	.250
SECURITY FEATURES	Security Fences, Security Walls, Sally Port, Guard Posts	7 (white)	Continuous	.250
SECURITY SYSTEMS	Security Systems, Cameras, Transceiver modules, Microwave Detection System, P.I.D.S.	20	Continuous	.250
SITE FEATURES	Site Features (Roads, Parking areas, Concrete Pads, Regular Fencing, Signs, Guard Rails, Culverts)	8	Continuous	.180
SITE LANDSCAPING	Vegetation, Watercourses	8	Continuous	.180
STEAM	Heating Distribution Lines, Heating Manholes	40	Contin. (Sup) / Dashed (Ret)	.250
STORM	Storm Lines, Storm Manholes, MHCB, CB's	190	Continuous	.250
SURVEY	Survey control, notes, id's	7 (white)	Continuous	.250
SURVEY_BOUNDARIES	Survey & perimeter boundaries (legal, non-legal)	7 (white)	Continuous	.500
SURVEY_ELEVATIONS	Specific elevations, contours, finished floor elevations	7 (white)	Continuous	.250
SURVEY_SPOT	Survey spot elevations	7 (white)	Continuous	.250
WATER	Water Lines, Valves, Fire Hydrants, Meters, Storage, Wells, Supply Lines, Fire Lines.	5	Continuous	.250
Z_HATCHING	Building Hatching	252	Pattern ANSI31 0', Scale 10	Continuous .250
Z_VIEWPORT	Layout viewports (use no-plot option)	7 (white)	Continuous	.250

*Where Applicable, create corresponding (ie. ABANDON_STORM) layer and place unused, abandon or obsolete services on this layer, utilizing the colour of the discipline as shown above.
**Where Applicable, create corresponding (ie. SITE FEATURES_DO NOT SHOW) layer and place items, objects or text that may not necessarily be deleted but also not displayed on site services plan. Freeze layer upon saving drawings therefore will not publish in DWF format.

CSC Key Plan

SITE FEATURES_ROAD_HATCH	Roads, Parking areas, Concrete Pads	254	Pattern-Dots, Scale-0.5

(This above-noted layer will be visible only on the key plan, to be frozen off on all other paper space views.)

*In all cases, descriptive text shall reside on the corresponding site layer with the suffix '_TXT' in the same colour as the associative layer (with the exception of Buildings).
**Where items are no longer in use, the item and descriptive text shall reside on the corresponding site layer with the suffix '_NOT IN USE' with the identifying text 'NOT IN USE' plotted in black.

'A' Denotes 'At or Above Ground', 'U' Denotes 'Under Ground' for Communications, Electrical and Fuel layers.

Files are to be plotted using the plot style table '_CSC Site plan Standard.ctb'.

CSC Site Plan X-ref File Contents

FILE NAME	LAYER	LAYER CONTENTS
MH-BATH Site Plan Reference.dwg This is the host file for all reference files. This file contains pre defined layouts and title blocks for all disciplines.	G-TL-ATTRIB	Title Block Attributes
	G-TL-LIN	Title Block Linework
	G-TL-LOG	Title Block Graphic - PWGSC Logo
	G-TL-TXT	Title Block Resident Text
	LEGEND	CSC Site Legend
	NOTES	Schedules, Tables, Bar Scales, North Arrows, etc.
	Z_VIEWPORT	Layout viewports (use no-plot option)
421Comm.dwg Contains communications information.	COMMUNICATIONS_A	Communications Lines and Equipment (Above Ground)
	COMMUNICATIONS_A_TXT	Descriptive Text
	COMMUNICATIONS_A_NOT IN USE	Communications Lines not in use
	COMMUNICATIONS_U	Communications Lines and Equipment (Under Ground)
421Elec.dwg Contains electrical distribution.	ELECTRICAL_A	Site Electrical , Wires, Manholes, Electrical Features, Lighting and Light Poles (Above Ground)
	ELECTRICAL_U	Electrical Lines (Under Ground)
	ELECTRICAL_U	Duct Banks
421Fuel.dwg Contains fuel and gas distribution.	FUEL_A	Gas Meters, Tanks
	FUEL_U	Gas Lines, Propane Lines
421Sani.dwg Contains sanitary sewer distribution.	SANITARY	Sanitary Lines, Sanitary Manholes
421Sec.dwg Contains security systems.	SECURITY SYSTEMS	Security Systems, Cameras, Transceiver modules, Microwave Detection System, P.I.D.S.
421Steam.dwg Contains steam distribution.	STEAM	Heating Distribution Lines, Heating Manholes
421Storm.dwg Contains storm sewer distribution.	STORM	Storm Lines, Storm Manholes, MHCB, CB's
421Surv.dwg (shown on request only) Contains survey information.	SURVEY	Survey control, notes, id's
	SURVEY_BOUNDARIES	Survey & perimeter boundaries (legal, non-legal)
	SURVEY_ELEVATIONS	Specific elevations, contours, finished floor elevations
	SURVEY_SPOT	Survey spot elevations
421Water.dwg Contains water distribution.	WATER	Water Lines, Valves, Fire Hydrants, Meters, Storage, Wells, Supply Lines, Fire Lines.
421Base.dwg Contains the base information for the site. This file serves as the base for all other layout views where civil disciplines are applied.	BUILDING	Building Footprints
	BUILDING_TXT	Building ID and finished floor elev's
	GRADING	Grading, Berms, Ditches
	SECURITY FEATURES	Security Fences, Security Walls, Sally Port, Guard Posts
	SITE FEATURES	Site Features (Roads, Parking areas, Concrete Pads, Regular Fencing, Signs, Guard Rails, Culverts).
	SITE LANDSCAPING	Vegetation, Watercourses
	Z_HATCHING	Building Hatching

This example uses Millhaven/Bath Institutions, asset codes 421 and 423, to illustrate the file naming standard. In all cases the asset code for the institution should be used for the naming of reference files as described above. Where two institutions share services, the asset code for the main institution shall be used for the reference file names (see SITE PLAN SHEET AND X-REFERENCE FILE NAMING CONVENTION, below).

Legend

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)
- X — REGULAR FENCE
- XX — SECURITY FENCE
- CCTV CAMERA
- MOTION SENSOR
- TM — TRANSCEIVER MODULE
- FENCE DETECTOR
- PED — BELL PEDESTAL
- BMH — BELL MANHOLE
- B — BELL O/H CABLE
- B — BELL U/G/ CABLE
- 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 / HH / GIB — JUNCTION BOX / HAND HOLE / GROUND INSPECTION BOX
- LS — LIGHT STANDARD
- HP — HYDRO POLE
- POLE MT'D TRANSFORMER
- EMH — ELECTRICAL MANHOLE
- FM — FIBRE OPTICS MANHOLE
- STREET LIGHT - 120V
- POLE ANCHOR
- HVOO — 44.0kV O/H LINE
- HVO — 12.5/7.2kV O/H LINE
- HVU — 12.5/7.2kV 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
- W — WATER WELL
- SIAMESE CONNECTION
- WATER — WATER METER
- PIPE CAP
- FH — FIRE HYDRANT
- WATER VALVE
- VPC — VALVE PUMP CHAMBER
- PR — PRESSURE RELEASE VALVE
- HOSE CONNECTION
- V — VENT
- FM — FIRE MAIN
- W — WATER LINE/WELL SUPPLY LINE
- HS / HR — STEAM LINE (SUPPLY & RETURN)
- P — PROPANE LINE
- G — GAS LINE
- G — GAS VALVE
- G — GAS METER
- ST — STORM SEWER
- MHCB — MANHOLE CATCHBASIN
- MH — STORM MANHOLE
- CB — CATCH BASIN
- SA — SANITARY SEWER
- SAM — SANITARY MANHOLE
- GCO G.I.H.T.1 — GREASE INTERCEPTOR
- HT — HOLDING TANK
- TBV — TO BE VERIFIED
- ABANDONED SERVICES
- HAZARDOUS MATERIAL

SITE PLAN REFERENCE.dwg LAYOUT TAB NAMES & LIST OF X-REFERENCED FILES OR ELEMENTS TO BE DISPLAYED

	Model	Key Plan	01 Master	02 Communications	03 Electrical	04 Fuel	05 Sanitary	06 Security	07 Steam	08 Storm	09 Water	10 Site Features & Roads	11 Boundary
Model Space	Schedule of Revisions CSC Legend North Arrow Bar Scale All reference files	421Base.dwg turn following layers off: BUILDING_TXT GRADING SITE LANDSCAPING Z_HATCHING	All disciplines (excluding boundary)	421Comm.dwg 421Base.dwg	421Elec.dwg 421Base.dwg	421Fuel.dwg 421Base.dwg	421Sani.dwg 421Base.dwg	421Sec.dwg 421Base.dwg	421Steam.dwg 421Base.dwg	421Storm.dwg 421Base.dwg	421Water.dwg 421Base.dwg	421Base.dwg	421Boundary.dwg 421Base.dwg
Paper Space		11x17 Title Block Building ID's Building List North Arrow	Title Block Viewports Drawing List Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*	Title Block Viewports Schedules* Tables*

* - If required

Note: The file 421Surv.dwg is plotted on a request only basis, but is included as a standard x-reference file, and is bound to the Master drawing for extranet upload.

CSC SITE ASSET CODES FOR LAYOUT SHEET NUMBERING

Listed are the official CSC Asset Codes, Institution namesand addresses for CSC sites as they should appear on completed title blocks.

401	Regional Headquarters	443 Union St., Kingston
401-2	440-462 King St. West	440 King St., Kingston
401-3	PCCC (Portsmouth)-Closed	508 Portsmouth Ave., Kingston
402	RCSC (Staff College)	443 Union St., Kingston
415	Regional Treatment Centre	Hwy. 33, Bath
416	Kingston Penitentiary	555 King St., Kingston
421	Millhaven Institution	Hwy. 33, Bath
422	Fenbrook Institution	2000 Beaver Creek Dr., Gravenhurst
423	Bath Institution	Hwy. 33, Bath
431	Isabel McNeil House	525 King St., Kingston
440	Collins Bay Institution	1455 Bath Rd., Kingston
441	Frontenac Institution	1455 Bath Rd., Kingston
443	Beaver Creek Institution	2000 Beaver Creek Dr., Gravenhurst
450	Joyceville Institution	Hwy. 15, Kingston
451	Pittsburgh Institution	Hwy. 15, Kingston
460	Warkworth Institution	County Rd. #29, Campbellford
465	Grand Valley Institution	1575 Homer Watson Blvd., Kitchener
470-05	Henry Traill CCC	Hwy. 33, Bath

SITE PLAN SHEET AND X-REFERENCE FILE NAMING CONVENTION

Site Plan Sheets are identified by a combination of the CSC Site Asset Code and discipline code as described in the CSC ASSET CODES, left, and the LAYOUT TAB NAMES listed above. This compiled number is entered in the 'drawing no.' field of the title block (e.g.. 423-01 = Bath Institution - Site Services Master Plan). Where two institutions share operational systems such as water, electricity, storm, etc., there will be multiple sheets within each layout. Each sheet on each layout shall display the asset code of the institution that it most represents. Title Block address fields of all sheets shall be identical, with the 'scope of work' identifying the institution depicted, and the 'drawing title' describing the drawing contents. The title block of this drawing serves as an example for completion of title block attributes.

When datasets depict multiple institutions, the xref files shall be named as follows:

Millhaven/Bath - reference files shall have the prefix '421'
Beaver Creek/Fenbrook - reference files shall have the prefix '443'
Joyceville/Pittsburgh - reference files shall have the prefix '450'
Collins Bay/Frontenac - reference files shall have the prefix '440'

The CSC Legend is to be inserted as a block in the Site Plan.dwg file, and should reside in model space. Each layout will display the legend through the use of a viewport.

Location, client and *address* fields will be identical for both Bath and Millhaven Institutions

Scope of work attribute

drawing title attributes

Institution number & layout code

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

Revisions / Date

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

project title / titre du projet
BATH Correctional Service Canada Ontario
Millhaven / Bath Institutions
Hwy. #33

BATH INSTITUTION

drawing title / titre du dessin
SITE SERVICES MASTER PLAN

designed by / conçu par
drawn by / dessiné par TMDM
reviewed by / examiné par
approved by / approuvé par
project date / date du projet 2005-03-14
project no. / no. du projet 305913
drawing no. / dessin no. 423-01

DGC-XX DATE PLOTTED: 05/04/29 PLOT SCALE: 1:100 CAD FILE:

EDRM # 105908