



# **Standards for Consultant Deliverables**

**Software Standards  
CAD Drawing Standards  
CAD Layering Standards**

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### Introduction

This document establishes standards for consultant deliverables related to Alberta Parks and Protected Areas design and construction programs. Consultant agreements for architectural, engineering and related services typically require the production and submission to Alberta Parks and Protected Areas of 'deliverables' in the form of drawings, specifications, reports, schedules, etc.

To take advantage of the significant efficiencies afforded through the distribution, use, and storage of these documents in electronic form, by multiple users, and throughout the project life cycle, it has become necessary to establish standards for these documents. As a prime example, making bid documents (drawings, specifications and addenda) available to bidders electronically in a consistent format would be extremely difficult to accomplish without standards for consultant deliverables.

There are three parts to this document addressing three distinct areas:

- Part 1 - Software Standards

These standards identify the software applications currently in use by Alberta Parks and Protected Areas internally, the software formats in which Alberta Parks and Protected Areas produced documents are made available to users, and the software formats in which consultant deliverables for building projects are to be submitted to Alberta Parks and Protected Areas. These are subject to change, as new software releases come out and are put into use by Alberta Parks and Protected Areas. Consultants are expected to comply with the latest revision of this standard.

- Part 2 - CAD Drawing Standards

These standards establish basic CAD drawing practices and conventions for building projects (other than for CAD layering).

- Part 3 - CAD Layering Standards

These standards establish a common and consistent approach to organizing and naming CAD drawing layers. They are based on the CAD layers and layering format in 'CAD Layering Guidelines (Computer-Aided Design Management Techniques for Architecture, Engineering and Facility Management) Second Edition' published by the American Institute of Architects Press. Additional layers have been added to suit specific Alberta Parks and Protected Areas needs.



## **Part 1 - Software Standards**

## Software Used by Alberta Parks and Protected Areas

Table 1 indicates software used internally by Alberta Parks and Protected Areas for building project related work, as of the date of this standard:

Application Type	Application Name	Version
Word Processing	Microsoft Word	2003
Spreadsheet	Microsoft Excel	2003
CAD	AutoCAD, Map 3D, Civil 3D, Autodesk ADT.	Current Software Release or 1 Release Previous to Current
GIS	SHP (Include projection and other associated files), SDF	n/a
Viewer for Portable Document Files (PDF)	Adobe Acrobat Reader	6.0
Creating Portable Document (PDF) files	Adobe Acrobat Pro	6.0

Table 1 - Software Used by Alberta Parks and Protected Areas

## Document Distribution Formats

Table 2 indicates the types of documents that Alberta Parks and Protected Areas commonly makes available to users outside the department (e.g. consultants) and the electronic formats in which they are distributed:

Type of Document	Format
Master Specifications	
- Specification sections that are intended to be edited	Microsoft Word
- Specification sections that are <b>not</b> intended to be edited (e.g. General Conditions of Contract)	Adobe Acrobat (PDF)
- Detail drawings that are part of the master specification system and are not intended to be edited	Adobe Acrobat (PDF)
Standards and Guidelines	
- Standards and guideline documents intended for reference purposes (e.g. this standard)	Adobe Acrobat (PDF)
CAD Drawings	
- Title block drawings	AutoCAD DWT (template)
- Drawings of existing facilities	AutoCAD DWG
Correspondence, Reports etc.	Microsoft Word or Adobe Acrobat (PDF)

Table 2 - Alberta Parks and Protected Areas Document Distribution Formats

Consultants who choose to use software that is different from, or not completely compatible with, the software indicated in the above table, are responsible for conversion of the Alberta Parks and Protected Areas documents to the format needed.



## Formats for Consultant Deliverables

Submit documents produced for delivery to Alberta Parks and Protected Areas, in the following formats:

Deliverables	Format
Project Specifications	
- Specification text	Microsoft Word and Adobe Acrobat (PDF)
- Project specific detail drawings, schedules etc.	AutoCAD DWG and Adobe Acrobat (PDF)
Project Drawings	
- Tender Set, Working Drawings	AutoCAD DWG and Adobe Acrobat (PDF)
- Record Drawings	AutoCAD DWG
Cost Information	
- Interim Cost Reports	Microsoft Excel
- Final Cost Report	Adobe Acrobat (PDF)
- Pretender Report	Microsoft Word
Project Addenda	
- Addenda text	Microsoft Word and Adobe Acrobat (PDF)
- Revised drawings	AutoCAD DWG and Adobe Acrobat (PDF)
- Revised sketches	AutoCAD DWG and Adobe Acrobat (PDF)
Reports	Microsoft Word or Adobe Acrobat (PDF)

Table 3 - Formats for Consultant Deliverables

The formats in which documents are submitted shall be compatible with the respective versions used by Alberta Parks and Protected Areas, as identified in Table 1.

If a Consultant chooses to create documents in an application different from that indicated in Table 3, or a version different from that indicated in Table 1, the Consultant is responsible for arranging for the conversion of the documents into a format which is compatible.

All submitted documents shall be capable of being printed and converted to an Adobe Acrobat PDF without any visually apparent errors. **Caution: Shaded areas and shaded text can either blank-out or**

**print as solid black on some printers and plotters. Use solid linework as much as possible when creating PDF documents.**

Consultants are not necessarily expected in all cases to use the software currently used by Alberta Parks and Protected Areas in the 'production' of their deliverables (although this is the preferred and most efficient route). Conversions of documents from and to the Alberta Parks and Protected Areas software standard are acceptable, provided the final deliverables (electronic and hard copy) are 'clean' and free of formatting errors when printed.

## **Electronic Communication**

Consultants are required to have the capability to communicate with Alberta Parks and Protected Areas electronically via e-mail, ftp, Sharepoint etc.

## **Electronic Document Submission**

**Upon submission, only the complete sets of documents will be acceptable and will always pass from the Prime Consultant to the Project Manager.**

When submitting documents electronically, include the following information in the e-mail message or a text file:

- Project Numbers
- Building / Project Name
- Name of the software and version used to create the document

Submit a complete set of bid documents in electronic form to Alberta Parks and Protected Areas via e-mail, CD-ROM, DVD, ftp, Sharepoint, Autodesk Buzzsaw, etc.

Submit a complete set of documents (including information documents) in:

- Adobe Acrobat (PDF) file format for electronic distribution to bidders, and
- Their original file format for Alberta Parks and Protected Areas record purposes.

For CAD drawings also include the following information using E-Transmit:

Include all Xrefs, images, CTB or STB files and all other files required to properly display drawings.

## **Electronic Bid Document Distribution**

Alberta Parks and Protected Areas distribute building project documents for bidding purposes via COOLNet Alberta's Electronic Plan Room (<http://www.coolnet.ab.ca>). Bid documents are distributed in Adobe Acrobat (PDF) format.

**Part 2 - CAD Drawing Standards**

## CAD Drawing Standards

The purpose of the Alberta Parks and Protected Areas CAD Drawing Standards is to establish drawing practices and conventions that should be followed when preparing CAD documents for Alberta Parks and Protected Areas projects.

### Drawing File Format

AutoCAD is the standard format for development and production of CAD drawings for Alberta Parks and Protected Areas building project projects. Refer to Part 1 – Software Standards (page 6).

### Drawing Sizes

Sheet Size	Dimensions
A0	1189 x 841 mm
A1	841 x 594 mm
A2	594 x 420 mm
Tabloid	11" x 17" (432 x 279 mm)
Letter	8.5" x 11" (279 x 216 mm)

### Drawing Sheet Numbering

Building Projects: Use the following numbering system when numbering drawing sheets:

Sheet Numbers:	Sheet Name / Title
0	Title Sheet and Index
001 - 099	Architectural (Small Scale)
101 - 199	Architectural (Large Scale)
201 - 299	Structural
301 - 399	Mechanical
401 - 499	Electrical
500	Site Plan
501 - 599	Site Development
601 - 699	Food Services
701 - 799	Landscape Development
801 - 899	Acoustics

## File Naming

To completely identify a project and to facilitate electronic file storage and retrieval each file name, create the file name using the following elements:

- Contract Identifier ( a unique number that identifies the construction contract, usually a plan number)
- Building or Site Number
- Drawing Number
- File Type Extension

Following is an example of a complete drawing file name:

Plan Number		Building or Site No.		Drawing Number		File Type Extension
008764	-	0192A	-	100	.	dwg

**008764-192A-100.dwg** is an example of a file name for a project that has a building / site number and a contract identifier.

Obtain the building / site number and contract identifier from the Alberta Parks and Protected Areas Project Manager.

## Peripheral files

When including x-ref files in a drawing (title blocks, base plans, details, etc...) try to keep the naming convention of the files simplistic as possible.

## Measurement Units

Create all drawings using SI (metric) units.

Measurement Method	Units
Maps and Site plans Linear measurement	Meters (m)
Buildings and components	Millimeters (mm)
Angular measurement	degrees, minutes and seconds

Set the display precision to the number of significant decimal places that is appropriate to the work.

## Scale

Draw all physical objects in 1 to 1 scale (their real world size). DO NOT use any scale factor. If a wall is to be drawn 10 m long, the corresponding CAD lines will also be 10 m.

## Fonts

Only use the standard fonts supplied with AutoCAD.

## Text Height

Text height is dependent on the scale of the finished plot. Normally, text height is 2 to 3 mm for the final plot.

Text Location	Text Size
Paper space	Use a one to one relationship
Model space	Calculate the text height from the scale of the plot. For example at a plot scale of 1:1000, text must be 2.0 m high in order for the text in the plot to print 2 mm high.

The following formula may be used to calculate text height in model space for a specific scale:

<b>Desired text height in plot</b>	<b>X</b>	<b>Scale</b>	<b>=</b>	<b>text height in model space</b>
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### Example:

Desired text height on final plot: 3 mm (0.003m)

Scale factor: 1000 (1:1000)

Desired text height in plot	X	Scale	=	text height in model space
3 mm	X	1000 (1:1000)	=	3000 mm

## Symbols and Blocks

**Create new blocks in layer zero ONLY.** Predefined symbols and blocks must be inserted on the proper layer. All blocks must be uniformly scaled.

## Locations of Drawing Elements

Place title blocks, general notes, schedules, charts and other non-graphic information in paper space.

Place drawing items and related descriptive text in model space.

## Entity Construction

Whenever possible assign entity colour and linetype "by layer". Use closed polyline boundaries for all hatched areas.

## **Part 3 - CAD Layering Standards**



The purpose of this standard is to establish a common and consistent approach to naming drawing layers for Alberta Parks and Protected Areas building projects.

The Alberta Parks and Protected Areas CAD Layers have been based on the CAD layers and layering format published in the “CAD Layering Guidelines (Computer-Aided Design Management Techniques for Architecture, Engineering and Facility Management)” Second Edition, published by The American Institute of Architects Press. Alberta Parks and Protected Areas have added layers to meet its specific needs.

### Layer Naming Format - Major and Minor Groups

Discipline      Major Group

A	-	WALL
---	---	------

Simple layer name with only a major group

Discipline      Major Group      Minor Group

A	-	WALL	-	JAMB
---	---	------	---	------

Layer name with a major group and a minor group

### Discipline

Layer Format	Description	Discipline Codes
<p>A-FLOR</p> <p>or</p> <p>A-FLOR-WDWK</p>	<p>The <b>Discipline</b> field consists of two characters with the second character a hyphen.</p> <p>The <b>Discipline</b> field is intended to identify the creator of the graphic information.</p>	<p><b>A</b> Architectural</p> <p><b>C</b> Civil</p> <p><b>E</b> Electrical</p> <p><b>F</b> Fire protection</p> <p><b>G</b> General</p> <p><b>H</b> Hazardous materials</p> <p><b>I</b> Interiors</p> <p><b>L</b> Landscape</p> <p><b>M</b> Mechanical</p> <p><b>O</b> Operations</p> <p><b>P</b> Plumbing</p> <p><b>Q</b> Equipment</p> <p><b>R</b> Resource</p> <p><b>S</b> Structural</p> <p><b>T</b> Telecommunications</p> <p><b>V</b> Survey</p> <p><b>X</b> Other disciplines</p> <p><b>Z</b> Contractor / Shop Drawings</p>

**Major Group**

Layer Format	Description	Major Group Codes
A-FLOR or A-FLOR-WDWK	The <b>Major Group</b> field identifies the building system.  <b>Major Group</b> use four characters.	A complete list of Major and Minor Group codes used in the drawing layer names are included in Appendix A.

Example:

<b>A-WALL</b>	Walls
<b>A-DOOR</b>	Doors
<b>A-LITE</b>	Lighting fixtures
<b>A-FIXT</b>	Plumbing fixtures

## Minor Group

Layer Format	Description	Minor Group Codes
A-FLOR- <b>WDWK</b>	<b>Minor Group</b> codes further define Major Group elements.  Minor Group codes consist of a four character field separated with a hyphen.  The Minor Group code modifier is optional and need not be used when the Major Group code alone will suffice.	A complete list of Major and Minor Groups codes used in the drawing layer names are included in Appendix A.  Users may define their own Minor Groups to accommodate special project requirements.  This should only be done if the defined layers do not adequately satisfy project requirements.

Examples:

<b>A-WALL-FULL</b>	Full height walls
<b>A-DOOR-IDEN</b>	Door number etc.
<b>A-FLOR-OVHD</b>	Overhead items

### Layer Naming Format - Status Field or Common Modifiers

Discipline      Major Group      Status Field or Common Modifier

A	-	WALL	-	NEWW
---	---	------	---	------

Layer name with a major group and a status field or common modifier

#### Status Field

Layer Format	Description	Status Codes
A-DOOR- <b>NEWW</b>	<p><b>Status field</b> is primarily used to differentiate between new, existing and future construction work.</p> <p>Status field consist of a four character field separated with a hyphen.</p> <p>Use of Status field is optional.</p> <p>Status field is always the last code in the layer name.</p>	<p><b>NEWW</b> New work</p> <p><b>EXST</b> Existing to remain</p> <p><b>DEMO</b> Existing to demolish</p> <p><b>FUTR</b> Future work</p> <p><b>TEMP</b> Temporary work</p> <p><b>MOVE</b> Items to be moved</p> <p><b>RELI</b> Relocated items</p> <p><b>NICN</b> Not in contract</p> <p><b>PHS1-9</b> Phase numbers</p>

Example:

**A-WALL-NEWW**  
**A-WALL-EXST**  
**A-DOOR-DEMO**

New wall  
 Existing wall to remain  
 Existing door to be demolished

## Common Modifiers

Layer Format	Description	Common Modifier Codes
A-DOOR- <b>PATT</b>	<p><b>Common modifiers</b> are used further define the preceding field.</p> <p>Common modifiers consist of a four character field separated with a hyphen.</p> <p>Use of the common modifier is optional.</p>	<p><b>PATT</b> Cross-hatching poche</p> <p><b>IDEN</b> Identification tags</p> <p><b>ELEV</b> Elevation</p> <p><b>X-RDME</b> Read-me layers, not to be plotted</p>

Example:

A-GLAZ-**IDEN**

Window number

A-WALL-**ELEV**

Wall surfaces, 3D views

### Layer Naming Format - Annotation

Discipline		Annotation		Type
A	-	ANNO	-	DIMS

An annotation layer

#### Annotation

Layer Format	Description	Annotation Codes
*-ANNO-DIMS  *	<b>Annotation</b> comprises text, dimensions, sheet borders, detail references, and other elements on CAD drawings that don't represent aspects of a building.	<b>DIMS</b> Dimensions <b>KEYN</b> Keynotes <b>LEGN</b> Legends and schedules <b>NOTE</b> Notes <b>NPLT</b> Construction lines, non-plotting information <b>REDL</b> Redline <b>REVS</b> Revisions <b>SYMB</b> Symbols <b>TEXT</b> Text <b>TTLB</b> Border and title blocks

Examples:

A-ANNO-DIMS	Dimensions
C-ANNO-TEXT	Text
M-ANNO-TTLB	Border and title blocks

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Layer Name	Description	Remark	Colour	Linetype
<b>Readme Layers</b>				
0	Do not draw on this layer Use this layer to create new blocks	on	(white)	continuous

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Layer Name	Description	Remark	Colour	Linetype
<b>Generic Layers</b>				
*-Anno-Dims	dimensions	0.25	7 (Black)	Continuous
*-Anno-Keyn	keynotes	as required	7 (Black)	Continuous
*-Anno-Legn	legends and schedules	as required	0 to 15	Continuous
*-Anno-Note	notes	as required	7 (Black)	Continuous
*-Anno-Nplt	construction lines, nonplotting information, viewports	0.18	8 (Grey)	as required
*-Anno-Redl	redlines	0.35	1 (Red)	Continuous
*-Anno-Revs	revisions	0.25	1 (Red)	Continuous
*-Anno-Symb	symbols	0.25	1 (Red)	Continuous
*-Anno-Text	text	0.25	7 (Black)	Continuous
*-Anno-Ttlb	title blocks and sheet borders	0.35	7 (Black)	Continuous
<b>*-Elev</b>	<b>Elevations</b>	as required	0 to 15	<b>Continuous</b>
*-Elev-Iden	Component Identification Numbers	0.25	7 (Black)	Continuous
*-Elev-Otln	Building Outlines	0.35	0 to 15	Continuous
*-Elev-Patt	Textures And Hatch Patterns	0.18	0 to 15	as required
*-Elev-Hidd	Hidden lines	0.18	0 to 15	Hidden
*-Elev-Fine	Fine	0.18	0 to 15	as required
*-Elev-Thin	Thin	0.25	0 to 15	as required
*-Elev-Medm	Medium	0.35	0 to 15	as required
*-Elev-Wide	Wide	0.5	0 to 15	as required
*-Elev-Extw	Extra Wide	0.7	0 to 15	as required
*-Elev-Xxwi	XX Wide	1	0 to 15	as required
*-Elev-Xxxw	XXX Wide	1.4	0 to 15	as required
*-Elev-Xxxx	XXXX Wide	2	0 to 15	as required
<b>*-Sect</b>	<b>Sections</b>	as required	0 to 15	as required
*-Sect-Iden	Component Identification Numbers	0.25	7 (Black)	Continuous
*-Sect-Mbnd	Material Beyond Section Cut	0.25	0 to 15	Continuous
*-Sect-Mcut	Material Cut By Section	0.35	0 to 15	Continuous
*-Sect-Patt	Textures And Hatch Patterns	0.18	0 to 15	as required
*-Sect-Hidd	Hidden lines	0.18	0 to 15	Hidden



Layer Name	Description	Remark	Colour	Linetype
*-Sect-Fine	Fine	0.18	0 to 15	as required
*-Sect-Thin	Thin	0.25	0 to 15	as required
*-Sect-Medm	Medium	0.35	0 to 15	as required
*-Sect-Wide	Wide	0.5	0 to 15	as required
*-Sect-Extw	Extra Wide	0.7	0 to 15	as required
*-Sect-Xxwi	XX Wide	1	0 to 15	as required
*-Sect-Xxxw	XXX Wide	1.4	0 to 15	as required
*-Sect-Xxxx	XXXX Wide	2	0 to 15	as required
*-Detl	<b>Details</b>	as required	0 to 15	as required
*-Detl-Iden	Component Identification Numbers	0.25	7 (Black)	Continuous
*-Detl-Mbnd	Material Beyond Section Cut	0.25	0 to 15	Continuous
*-Detl-Mcut	Material Cut By Section	0.35	0 to 15	Continuous
*-Detl-Patt	Textures And Hatch Patterns With Different Pens	0.18	0 to 15	as required
*-Detl-Hidd	Hidden lines	0.18	0 to 15	Hidden
*-Detl-Fine	Fine	0.18	0 to 15	as required
*-Detl-Thin	Thin	0.25	0 to 15	as required
*-Detl-Medm	Medium	0.35	0 to 15	as required
*-Detl-Wide	Wide	0.5	0 to 15	as required
*-Detl-Extw	Extra Wide	0.7	0 to 15	as required
*-Detl-Xxwi	XX Wide	1	0 to 15	as required
*-Detl-Xxxw	XXX Wide	1.4	0 to 15	as required
*-Detl-Xxxx	XXXX Wide	2	0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
<b>Architectural Layers</b>				
A-anno-ttlb	Lines, logo and text for construction documents		0 to 15	continuous
A-anno-ttlb-invp	Lines, logo and text for Space Inventory Plan		0 to 15	as required
A-shel-base	Base building shell, include all elements of exterior walls, columns c/w glazing, doors, base building services and core, fixtures, vertical shanges		3 (green)	varies
A-shel-slid	Architectural shell base (ASHBASE), solid	solid	3 (green)	continuous
A-shel-text	Text and building services labeling		7 (white)	continuous
A-shel-dims	Dimensioning		1 (red)	continuous
A-shel-grid	Column grid line		252	centerx2
A-shel-bsfx	Fixtures for building services including fire hose cabinets, drinking fountains		3 (green)	continuous
A-shel-pkng	Parking lines		2 (yellow)	continuous
A-shel-poly	Polyline for building service hatch		1 (red)	Polyline
A-shel-patt	Hatching	dots	2 (yellow)	continuous
A-shel-keyp	Key plan		0 to 15	as required
A-shel-conv	Convectors	off	1 (red)	continuous
A-exst	Existing drawings			continuous
A-exst-intr	Existing Interior Walls, Doors, Glazing, Millwork, etc		3 (green)	continuous
A-exst-iden	Room numbers, names		5 (blue)	continuous
A-exst-patt	Hatching		2 (yellow)	continuous
A-exst-slid	Solid		3 (green)	continuous
A-exst-text	Text – room name (eg. GEN OFF)		7 (white)	continuous
A-wall	Walls		3 (green)	as required
A-wall-full	Full-height walls, stair and shaft walls, walls to structure		3 (green)	as required
A-wall-prht	Partial-height walls (do not appear on reflected ceiling plans)		As required	as required
A-wall-move	Movable partitions		0 to 15	as required
A-wall-head	Door and window headers (appear on reflected		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
	ceiling plans)			
A-wall-jamb	Door and window jambs (do not appear on reflected ceiling plans)		0 to 15	as required
A-wall-patt	Wall insulation, hatching and fill		0 to 15	as required
A-wall-slid	Wall, solid		3 (green)	continuous
A-wall-elev	Wall surfaces: 3D views		0 to 15	as required
A-wall-fire	Fire wall patterning		0 to 15	as required
A-door	Doors		0 to 15	as required
A-door-full	Full-height (to ceiling) door: swing and leaf		0 to 15	as required
A-door-prht	Partial-height door: swing and leaf		0 to 15	as required
A-door-iden	Door number, hardware group etc.		0 to 15	as required
A-door-elev	Doors: 3D views		0 to 15	as required
A-glaz	Windows, window walls, curtain walls, glazed partitions		0 to 15	as required
A-glaz-full	Full-height glazed walls and partitions		0 to 15	as required
A-glaz-prht	Windows and partial height glazed partitions		0 to 15	as required
A-glaz-sill	Windowsills		0 to 15	as required
A-glaz-iden	Window number		0 to 15	as required
A-glaz-elev	Glazing and mullions - elevation views		0 to 15	as required
A-flor	Floor information		0 to 15	as required
A-flor-text	Text and millwork labeling, room usage		7 (white)	continuous
A-flor-otln	Floor or building outline		0 to 15	as required
A-flor-level	Level changes, ramps, pits and depressions		0 to 15	as required
A-flor-strs	Stair treads, escalators and ladders		0 to 15	as required
A-flor-risr	Stair risers		0 to 15	as required
A-flor-hral	Stair and balcony handrails and guard rails		0 to 15	as required
A-flor-evtr	Elevator cars and equipment		0 to 15	as required
A-flor-tptn	Toilet partitions		0 to 15	as required
A-flor-spcl	Architectural specialties (toilet room accessories, display cases)		0 to 15	as required
A-flor-wdwk	Architectural woodwork (field-built cabinets and		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
	counters)			
A-flor-case	Casework (manufactured cabinets)		0 to 15	as required
A-flor-appl	Appliances		0 to 15	as required
A-flor-ovhd	Overhead items (skylights, overhangs usually dashed lines)		0 to 15	as required
A-flor-rais	Raised floors		0 to 15	as required
A-flor-iden	Room numbers, names, targets, etc.		0 to 15	as required
A-flor-patt	Paving, tile and carpet patterns		0 to 15	as required
A-flor-pfix	Plumbing fixtures		0 to 15	as required
A-flor-fixt	Miscellaneous fixtures		0 to 15	as required
A-flor-sign	Signage		0 to 15	as required
A-eqpm	Equipment		0 to 15	as required
A-eqpm-fixd	Fixed equipment		0 to 15	as required
A-eqpm-move	Movable equipment		0 to 15	as required
A-eqpm-nicn	Equipment not in contract		0 to 15	as required
A-eqpm-accs	Equipment access		0 to 15	as required
A-eqpm-iden	Equipment identification numbers		0 to 15	as required
A-eqpm-elev	Equipment surfaces: 3D views		0 to 15	as required
A-eqpm-clng	Ceiling-mounted or suspended equipment		0 to 15	as required
A-furn	Furniture		0 to 15	as required
A-furn-free	Furniture: freestanding (desks credenzas, etc.)		0 to 15	as required
A-furn-char	Chairs and other seating		0 to 15	as required
A-furn-file	File cabinets		0 to 15	as required
A-furn-pnls	Furniture system panels		0 to 15	as required
A-furn-wksf	Furniture system work surface components		0 to 15	as required
A-furn-stor	Furniture system storage components		0 to 15	as required
A-furn-powr	Furniture system - power designations		0 to 15	as required
A-furn-iden	Furniture numbers		0 to 15	as required
A-furn-plnt	Plants		0 to 15	as required
A-furn-patt	Finish patterns		0 to 15	as required
A-furn-elev	Furniture: 3D views		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
A-clng	Ceiling information		0 to 15	as required
A-clng-text	Text notes, ceiling height		4 (cyan)	continuous
A-clng-grid	Ceiling grid		252	continuous
A-clng-open	Ceiling / roof penetrations		0 to 15	as required
A-clng-tees	Main tees		0 to 15	as required
A-clng-susp	Suspended elements		0 to 15	as required
A-clng-patt	Ceiling patterns		0 to 15	as required
A-clng-accs	Ceiling access		0 to 15	as required
A-lite	Light fixtures		2 (yellow)	as required
A-cols	Columns		0 to 15	as required
A-hvac	Hvac		0 to 15	as required
A-hvac-sdff	Supply diffusers		0 to 15	as required
A-hvac-rdff	Return air diffusers		0 to 15	as required
A-grid	Planning grid or column grid		0 to 15	as required
A-roof	Roof		0 to 15	as required
A-roof-text	Zone designations text notes	romanc	as required	continuous
A-roof-dims	Roof plan dimensions	romans	2 (yellow)	continuous
A-roof-cutl	Cut lines and hidden lines		5 (blue)	hidden
A-roof-symb	Symbols for equipment on roof		4 (cyan)	continuous
A-roof-otln	Roof outline		0 to 15	as required
A-roof-level	Level changes		0 to 15	as required
A-roof-strs	Stair treads and ladders		0 to 15	as required
A-roof-risr	Stair risers		0 to 15	as required
A-roof-hral	Stair handrails, nosings and guardrails		0 to 15	as required
A-roof-patt	Roof surface patterns, hatching	ansi 31	as required	continuous
A-roof-elev	Roof surfaces: 3D views		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
A-roof-vdh1	Visual defect history 1		0 to 15	as required
A-roof-vdh2	Visual defect history 2		0 to 15	as required
A-roof-vdh3	Visual defect history 3		0 to 15	as required
A-roof-rhst	Repair history		0 to 15	as required
A-roof-crec	Current recommendation		0 to 15	as required
A-roof-dran	Drainage		0 to 15	as required
A-roof-skyl	Skylight		0 to 15	as required
A-roof-strf	Steep roof		0 to 15	as required
A-roof-base	Building Layout with all Roof Zones		6 (magenta)	continuous
A-roof-zone	Zone area		7 (white)	continuous
A-area	Area calculation boundary lines		0 to 15	as required
A-area-patt	Area cross hatching		0 to 15	as required
A-area-iden	Room numbers, tenant identifications, area calculations		0 to 15	as required
A-area-occp	Occupant or employee names		0 to 15	as required
A-area-blbs	Building service area	polyline	4 (cyan)	continuous
A-area-blbs-regn	Building service area region	off	6 (magenta)	continuous
A-area-usbl	Usable area	polyline	4 (cyan)	continuous
A-area-usbl-regn	Usable area region	off	151	continuous
A-area-gros	Gross area	polyline	1 (red)	continuous
A-area-ubnd	User boundaries	polyline	6 (magenta)	continuous
A-area-text	User names – text (eg. INFRA)	romand	1 (red)	continuous
	Area, usage – text (eg. 12.0)	romans	7 (white)	continuous
A-elev	Interior and exterior elevations		0 to 15	as required
A-elev-otln	Building outlines		0 to 15	as required
A-elev-fnsh	Finishes, woodwork and trim		0 to 15	as required
A-elev-case	Wall-mounted casework		0 to 15	as required
A-elev-fixt	Miscellaneous fixtures		0 to 15	as required
A-elev-pfix	Plumbing fixtures in elevation		0 to 15	as required
A-elev-sign	Signage		0 to 15	as required
A-elev-patt	Textures and hatch patterns	dots	2 (yellow)	as required

Layer Name	Description	Remark	Colour	Linetype
A-elev-iden	Component identification numbers		0 to 15	as required
A-elev-stak	Stacking plan		3 (green)	continuous
A-elev-text	Text - users / area		1 (red)	continuous
	All other text		7 (white)	continuous
A-sect	Sections		0 to 15	as required
A-sect-mcut	Material cut by section		0 to 15	as required
A-sect-mbnd	Material beyond section cut		0 to 15	as required
A-sect-patt	Textures and hatch patterns		0 to 15	as required
A-sect-iden	Component identification numbers		0 to 15	as required
A-detl	Details		0 to 15	as required
A-detl-mcut	Material cut by section		0 to 15	as required
A-detl-mbnd	Material beyond section cut		0 to 15	as required
A-detl-patt	Textures and hatch patterns		0 to 15	as required
A-detl-iden	Component identification numbers		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
<b>Civil Layers</b>				
C-anno-ttlb	Line work, logos, and text	Font varies	Varies	Varies
C-anno-ttlb-trim	Trim line for finished plot		0 to 15	as required
C-anno-bldg-desc	Building names		0 to 15	as required
C-anno-bldg-elev	Building finish floor elevations		0 to 15	as required
C-anno-coax-desc	Coax cable descriptive text		0 to 15	as required
C-anno-coax-elev	Coax cable elevation text		0 to 15	as required
C-anno-dims	Dimensions		0 to 15	as required
C-anno-fire-desc	Fire protection lines descriptive text		0 to 15	as required
C-anno-fire-elev	Fire protection lines elevation text		0 to 15	as required
C-anno-fuel-desc	Fuel lines descriptive text		0 to 15	as required
C-anno-fuel-elev	Fuel lines elevation text		0 to 15	as required
C-anno-legn	Legends and schedules		0 to 15	as required
C-anno-legn-text	Legends and schedules text		0 to 15	as required
C-anno-ngas-desc	Natural gas descriptive text		0 to 15	as required
C-anno-ngas-elev	Natural gas elevation text		0 to 15	as required
C-anno-note	Site utilities notes		0 to 15	as required
C-anno-nplt	Non-plotting information		0 to 15	as required
C-anno-prop-esmt	New layer for annotation of r/w		0 to 15	as required
C-anno-road	Roads text		0 to 15	as required
C-anno-road-city	City road text		0 to 15	as required
C-anno-road-pave	Roads that are paved text		0 to 15	as required
C-anno-road-grvl	Roads that are gravel text		0 to 15	as required
C-anno-road-unpv	Roads that are unpaved text		0 to 15	as required
C-anno-site-tunn-desc	Tunnels underground descriptive text		0 to 15	as required
C-anno-site-tunn-elev	Tunnels underground elevation text		0 to 15	as required
C-anno-sswr-city-desc	City sanitary sewer description text		0 to 15	as required
C-anno-sswr-city-elev	City storm sanitary elevation text		0 to 15	as required
C-anno-sswr-desc	Sanitary sewer lines descriptive text		0 to 15	as required
C-anno-sswr-elev	Sanitary sewer lines elevation text		0 to 15	as required
C-anno-strm-city-desc	City sanitary sewer description text		0 to 15	as required
C-anno-strm-city-elev	City sanitary sewer elevation text		0 to 15	as required



Layer Name	Description	Remark	Colour	Linetype
C-anno-strm-desc	Storm sewer descriptive text		0 to 15	as required
C-anno-strm-elev	Storm sewer elevation text		0 to 15	as required
C-anno-swbt-desc	Swb descriptive text		0 to 15	as required
C-anno-swbt-elev	Swb elevation text		0 to 15	as required
C-anno-tele-desc	Telephone underground descriptive text		0 to 15	as required
C-anno-tele-elev	Telephone underground elevation text		0 to 15	as required
C-anno-ttlb	Title block		0 to 15	as required
C-anno-ttlb-text	Title block text		0 to 15	as required
C-anno-vprt-#	Paper space viewports		0 to 15	as required
C-anno-watr-desc	Water descriptive text		0 to 15	as required
C-anno-watr-elev	Water elevation text		0 to 15	as required
C-anno-watr-irrg-desc	Irrigation water descriptive text		0 to 15	as required
C-anno-watr-irrg-elev	Irrigation water elevation text		0 to 15	as required
C-anno-watr-main-desc	Water main description text		0 to 15	as required
C-anno-watr-main-elev	Water main elevation text		0 to 15	as required
C-anno-watr-serv-desc	Water service description text		0 to 15	as required
C-anno-watr-serv-elev	Water service elevation text		0 to 15	as required
C-anno-xref-#	X-reference insertion layer.		0 to 15	as required
C-prop	Property lines, survey benchmarks		1 (red)	Center
C-prop-esmt	Easements, rights-of-way, setback lines		1 (red)	Center
C-prop-esmt-text	Easements, right of way text	Romand	2 (yellow)	Continuous
C-prop-brng	Bearings and distance labels		2 (yellow)	Continuous
C-prop-cons	Construction controls		1 (red)	Continuous
C-prop-text	Plan numbers	Romand	2 (yellow)	Continuous
C-prop-bnmk	Benchmark, monument		1 (red)	Continuous
C-prop-bnmk-text	Benchmark, monument text	Romans	2 (yellow)	Continuous
C-topo	Proposed contour lines and elevations		0 to 15	As required
C-topo-spot	Spot elevations	Romans	4 (cyan)	Continuous
C-topo-bore	Test borings		2 (yellow)	Continuous
C-topo-rtwl	Retaining wall		2 (yellow)	Continuous

Layer Name	Description	Remark	Colour	Linetype
C-topo-dran	Drainage features		4 (cyan)	Continuous
C-topo-berm	Berms, embankments		4 (cyan)	Continuous
C-topo-cont-majr	Major contours and text		0 to 15	Continuous
C-topo-cont-minr	Minor contours and text		0 to 15	Continuous
C-topo-bnch	Benchmarks and benchmark text		0 to 15	Continuous
C-topo-grid-200	200 grid and text		0 to 15	Continuous
C-topo-grid-50	50 grid lines and text		0 to 15	Continuous
C-topo-misc	Misc. Topography stuff		0 to 15	Continuous
C-topo-rtwl	Retaining walls		0 to 15	Continuous
C-bldg	Building outline	Polyline	6 (magenta)	Continuous
C-bldg-text	Building name, number	Romand	1 (red)	Continuous
C-bldg-patt	Hatching	Asnsi37	5 (blue)	Continuous
C-bldg-ovhd	Overhangs, canopies etc.		5 (blue)	Continuous
C-pkng	Parking lots		0 to 15	As required
C-pkng-strt	Parking lot striping, handicapped symbol		2 (yellow)	Continuous
C-pkng-cars	Graphic illustration of cars		0 to 15	As required
C-pkng-isld	Parking islands		0 to 15	As required
C-pkng-dran	Parking lot drainage slope indications		0 to 15	As required
C-pkng-exst	Existing parking lots to remain		0 to 15	As required
C-pkng-demo	Existing parking lots to be demolished		0 to 15	As required
C-pkng-text	Parking stall lines and parking text	Romans	2 (yellow)	Continuous
C-pkng	Parking lots		0 to 15	As required
C-pkng-pave	Parking lots that are paved		0 to 15	As required
C-pkng-grvl	Parking lots that are gravel		0 to 15	As required
C-pkng-unpv	Parking lots that are unpaved		0 to 15	As required
C-pkng-curb	Parking lot curbs		0 to 15	As required
C-road	Roads		0 to 15	As required
C-road-cntr	Centre lines		0 to 15	As required
C-road-curb	Curbs		0 to 15	As required

Layer Name	Description	Remark	Colour	Linetype
C-road-text	Street names etc.	Romans	2 (yellow)	Continuous
C-road-exst	Existing parking road to remain		0 to 15	As required
C-road-demo	Existing road to be demolished		0 to 15	As required
C-road-patt	Hatch patterns		0 to 15	As required
C-road-cntr	Center lines		0 to 15	As required
C-road-curb	Road curb and gutter		0 to 15	As required
C-road-pave	Roads that have no curb and gutter but are paved		0 to 15	As required
C-road-slev	Sleeves under roads		0 to 15	As required
C-road-grvl	Roads that are unpaved		0 to 15	As required
C-road-unpv	Roads that are unpaved		0 to 15	As required
C-road-brdg	Bridge		0 to 15	As required
C-tral	Trails			
C-tral-circ-grvl	Gravel circulation trail		0 to 15	As required
C-tral-circ-pave	Paved circulation trail		0 to 15	As required
C-tral-circ-unsu	Un-surfaced Circulation Trail		0 to 15	As required
C-tral-circ-brdg	Circulation trail bridge		0 to 15	As required
C-tral-hike-grvl	Gravel hiking trail		0 to 15	As required
C-tral-hike-pave	Paved hiking trail		0 to 15	As required
C-tral-hike-unsu	Un-surfaced Hiking Trail		0 to 15	As required
C-tral-hike-brdg	Hiking trail bridge		0 to 15	As required
C-util-strm	Storm sewer		3 (green)	As required
C-util-strm-text	Storm sewer text	Romans	4 (cyan)	Continuous
C-util-strm-frdr	Storm sewer (french drain)		3 (green)	Continuous
C-util-strm-mhol	Storm manhole.			
C-util-strm-undr	Storm drainage pipe - underground		0 to 15	As required
C-util-comm	Site communication/telephone poles, boxes, towers		0 to 15	As required
C-util-comm-undr	Underground communication lines		0 to 15	As required
C-util-comm-ovhd	Overhead communication lines		0 to 15	As required

Layer Name	Description	Remark	Colour	Linetype
C- util-watr	Domestic water - manholes, pumping stations, storage tanks		1 (red)	Continuous
C-util-watr-undr	Domestic water - underground lines		0 to 15	As required
C-util-watr-text	Domestic water text	Romans	1 (red)	Continuous
C-util-fire	Fire water		4 (cyan)	Continuous
C-util-fire-undr	Fire protection-underground lines		0 to 15	As required
C-util-fire-text	Fire water text	Romans	4 (cyan)	Continuous
C-util-ngas	Natural gas		5 (blue)	Continuous
C-util-ngas-undr	Natural gas - underground lines		0 to 15	As required
C-util-ngas-text	Natural gas text	Romans	5 (blue)	Continuous
C-util-sswr	Sanitary sewer		3 (green)	Continuous
C-util-sswr-undr	Sanitary sewer - underground lines		0 to 15	As required
C-util-sswr-mhol	Sanitary sewer - manhole			
C-util-sswr-text	Sanitary sewer text	Romans	4 (cyan)	Continuous
C-util-powr	Power		2 (yellow)	Continuous
C-util-powr-text	Power text	Romans	2 (yellow)	Continuous
C-util-sert	Security		2 (yellow)	Continuous
C-util-sert-telv	Security (tv)		2 (yellow)	Continuous
C-util-almr	Alarm system		2 (yellow)	Continuous
C-util-catv	Cable television		2 (yellow)	Continuous
C-util-catv-text	Cable television text	Romans	2 (yellow)	Continuous
C-util-abnd	Abandoned utilities		3 (green)	Dot
C-util-abnd-text	Abandoned utilities text	Romans	3 (green)	Continuous

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Layer Name	Description	Remark	Colour	Linetype
C-fuel	Petroleum product systems		1 (red)	Continuous
C-fuel-text	Petroleum product systems text	Romans	1 (red)	Continuous
C-fuel-iden	Tank id and contents chart	Romans	1 (red)	Continuous

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Layer Name	Description	Remark	Colour	Linetype
<b>Electrical Layers</b>				
E-anno-ttlb	Line work, logos, and text	font varies	varies	varies
E-lite	Lighting		0 to 15	as required
E-lite-spcl	Special lighting		0 to 15	as required
E-lite-emer	Emergency lighting		0 to 15	as required
E-lite-exit	Exit lighting		0 to 15	as required
E-lite-clng	Ceiling-mounted lighting		0 to 15	as required
E-lite-wall	Wall-mounted lighting		0 to 15	as required
E-lite-flor	Floor-mounted lighting		0 to 15	as required
E-lite-otln	Lighting outline for background (optional)		0 to 15	as required
E-lite-numb	Lighting circuit numbers		0 to 15	as required
E-lite-roof	Roof lighting		0 to 15	as required
E-lite-site	Site lighting (also see civil)		0 to 15	as required
E-lite-swch	Lighting switches		0 to 15	as required
E-lite-circ	Lighting circuits		0 to 15	as required
E-lite-iden	Luminaire identification and text		0 to 15	as required
E-lite-jbox	Junction box		0 to 15	as required
E-powr	Power		0 to 15	as required
E-powr-wall	Power wall outlets and receptacles		0 to 15	as required
E-powr-clng	Power-ceiling receptacles and devices		0 to 15	as required
E-powr-panl	Power panels		0 to 15	as required
E-powr-eqpm	Power equipment		0 to 15	as required
E-powr-swbd	Power switchboards		0 to 15	as required
E-powr-circ	Power circuits		0 to 15	as required
E-powr-urac	Under floor raceways		0 to 15	as required
E-powr-ucpt	Under-carpet wiring		0 to 15	as required
E-powr-cabl	Cable trays		0 to 15	as required
E-powr-feed	Feeders		0 to 15	as required
E-powr-busw	Busways		0 to 15	as required
E-powr-numb	Power circuit numbers		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
E-powr-iden	Power identification, text		0 to 15	as required
E-powr-site	Site power (also see civil)		0 to 15	as required
E-powr-roof	Roof power		0 to 15	as required
E-powr-otln	Power outline for backgrounds		0 to 15	as required
E-powr-jbox	Junction box		0 to 15	as required
E-ctrl	Electric control systems		0 to 15	as required
E-ctrl-devc	Control systems devices		0 to 15	as required
E-ctrl-wire	Control system wiring		0 to 15	as required
E-grnd	Ground system		0 to 15	as required
E-grnd-circ	Ground system circuits		0 to 15	as required
E-grnd-refr	Reference ground system		0 to 15	as required
E-grnd-equi	Equipotential ground system		0 to 15	as required
E-grnd-diag	Ground system diagram		0 to 15	as required
E-auxl	Auxiliary systems		0 to 15	as required
E-ltng	Lightning protection system		0 to 15	as required
E-fire	Fire alarm, fire extinguishers		0 to 15	as required
E-comm	Telephone, communication outlets		0 to 15	as required
E-data	Data outlets		0 to 15	as required
E-soun	Sound / PA system		0 to 15	as required
E-tvan	TV antenna system		0 to 15	as required
E-cctv	Closed-circuit TV		0 to 15	as required
E-sert	Security		0 to 15	as required
E-pgng	Paging system		0 to 15	as required
E-dict	Central dictation system		0 to 15	as required
E-bell	Bell system		0 to 15	as required
E-clok	Clock system		0 to 15	as required
E-alm	Miscellaneous alarm system		0 to 15	as required
E-intc	Intercom system		0 to 15	as required
E-legn	Legend of symbols		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
E-1lin	One-line diagrams		0 to 15	as required
E-risr	Riser diagram		0 to 15	as required
E-site	Site electrical substations, poles		0 to 15	as required
E-site-lite	Site lighting		0 to 15	as required
E-site-undr	Underground electrical		0 to 15	as required
E-site-pole	Electric poles		0 to 15	as required
E-site-ovhd	Overhead lines		0 to 15	as required
E-site-pkng	Parking Rails and Pedestals		0 to 15	as required
E-site-camp	Camp stall power		0 to 15	as required



Layer Name		Remark	Colour	Linetype
<b>Fire Protection Layers</b>				
F-anno-ttlb	Line work, logos, and text	font varies	varies	varies
F-co2s	Co <sub>2</sub> system		0 to 15	as required
F-co2s-pipe	Co <sub>2</sub> sprinkler piping		0 to 15	as required
F-co2s-eqpm	Co <sub>2</sub> equipment		0 to 15	as required
F-haln	Halon		0 to 15	as required
F-haln-eqpm	Halon equipment		0 to 15	as required
F-haln-pipe	Halon piping		0 to 15	as required
F-igas	Inert gas		0 to 15	as required
F-igas-eqpm	Inert gas equipment		0 to 15	as required
F-igas-pipe	Inert gas piping		0 to 15	as required
F-sprn	Fire protection sprinkler system		0 to 15	as required
F-sprn-clhd	Sprinkler head - ceiling		0 to 15	as required
F-sprn-othd	Sprinkler head - other		0 to 15	as required
F-sprn-pipe	Sprinkler piping		0 to 15	as required
F-sprn-stan	Sprinkler system standpipe			
F-stan	Fire protection standpipe system		0 to 15	as required
F-prot	Fire protection systems		0 to 15	as required
F-prot-eqpm	Fire system equipment (fire hose cabinet extinguishers)		0 to 15	as required
F-prot-alm	Fire alarm		0 to 15	as required
F-prot-smok	Smoke detectors / heat sensors		0 to 15	as required

Layer Name	Remark	Colour	Linetype
<b>General Layers</b>			
G-plan	Floor plan - key plan	0 to 15	as required
G-site	Site plan - key plan	0 to 15	as required
G-accs	Access plan	0 to 15	as required
G-fire	Fire protection plan	0 to 15	as required
G-evac	Evacuation plan	0 to 15	as required
G-code	Code compliance plan	0 to 15	as required
G-Anno-Dims	Dimensions	0 to 15	as required
G-Anno-Legn	Legends And Schedules	0 to 15	as required
G-Anno-Legn-Text	Legends And Schedules Text	0 to 15	as required
G-Anno-Note	General Notes	0 to 15	as required
G-Anno-Nplt	Non-Plotting Information	0 to 15	as required
G-Anno-Ttlb	Title Block	0 to 15	as required
G-Anno-Ttlb-Text	Title Block Text	0 to 15	as required
G-Anno-Vprt-#	Paper Space Viewports	0 to 15	as required
G-Anno-Xref-#	X-Reference Insertion Layer. # Denotes Detail Number, Number Or Other Identifier	0 to 15	as required

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Layer Name	Remark	Colour	Linetype
<b>Hazardous Layers</b>			
H-plan	Floor plan	0 to 15	as required
H-site	Site plan	0 to 15	as required

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Layer Name	Description	Remark	Colour	Linetype
<b>Interior Layers</b>				
I-wall-full	Full-height walls, stair and shaft walls, walls to structure		0 to 15	as required
I-wall-prht	Partial-height walls (do not appear on reflected ceiling plans)		0 to 15	as required
I-wall-move	Moveable partitions		0 to 15	as required
I-wall-head	Door and window headers (appear on reflected ceiling plan)		0 to 15	as required
I-wall-jamb	Door and window jambs (do not appear on reflected ceiling plans)		0 to 15	as required
I-wall-patt	Wall insulation, hatching and fill		0 to 15	as required
I-wall-elev	Wall surfaces: 3d views		0 to 15	as required
I-wall-fire	Fire wall patterning		0 to 15	as required
I-door	Doors		0 to 15	as required
I-door-full	Full-height (to ceiling) door: swing and leaf		0 to 15	as required
I-door-prht	Partial-height door: swing and leaf		0 to 15	as required
I-door-iden	Door number, hardware group, etc.		0 to 15	as required
I-door-elev	Doors: 3d views		0 to 15	as required
I-glaz	Glazing		0 to 15	as required
I-glaz-full	Full-height glazed walls and partitions		0 to 15	as required
I-glaz-prht	Windows and partial-height glazed partitions		0 to 15	as required
I-glaz-sill	Windowsills		0 to 15	as required
I-glaz-iden	Window number		0 to 15	as required
I-glaz-elev	Glazing and mullions - elevation views		0 to 15	as required
I-flor	Floor information		0 to 15	as required
I-flor-otln	Floor or building outline		0 to 15	as required
I-flor-levl	Level changes, ramps, pits, depressions		0 to 15	as required

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Layer Name	Description	Remark	Colour	Linetype
I-flor-strs	Stair treads, escalators, ladders		0 to 15	as required
I-flor-risr	Stair risers		0 to 15	as required
I-flor-hral	Stair and balcony handrails, guard rails		0 to 15	as required
I-flor-evtr	Elevator cars and equipment		0 to 15	as required
I-flor-tptn	Toilet partitions		0 to 15	as required
I-flor-spcl	Architectural specialties (toilet room accessories, display cases)		0 to 15	as required
I-flor-wdvw	Architectural woodwork (field-built cabinets and counters)		0 to 15	as required
I-flor-case	Casework (manufactured cabinets)		0 to 15	as required
I-flor-ovhd	Overhead items (skylights, overhangs - usually dashed lines)		0 to 15	as required
I-flor-rais	Raised floors		0 to 15	as required
I-flor-iden	Room numbers, names, targets, etc.		0 to 15	as required
I-flor-patt	Paving, tile, carpet patterns		0 to 15	as required
I-flor-pfix	Plumbing fixtures		0 to 15	as required
I-for-fixt	Miscellaneous fixtures		0 to 15	as required
I-flor-sign	Signage		0 to 15	as required
I-eqpm	Equipment		0 to 15	as required
I-eqpm-fixd	Fixed equipment		0 to 15	as required
I-eqpm-move	Moveable equipment		0 to 15	as required
I-eqpm-nicn	Equipment not in contract		0 to 15	as required
I-eqpm-accs	Equipment access		0 to 15	as required
I-eqpm-iden	Equipment identification numbers		0 to 15	as required
I-eqpm-elev	Equipment surfaces: 3d views		0 to 15	as required
I-eqpm-clng	Ceiling-mounted or suspended equipment		0 to 15	as required
I-furn	Furniture		0 to 15	as required
I-furn-free	Furniture: freestanding (desks, credenzas, etc.)		0 to 15	as required
I-furn-char	Chairs and other seating		0 to 15	as required

**Use of “Interior layers” is discouraged for Alberta Parks and Protected Areas projects. Use “Architectural Layers” instead.**

Layer Name	Description	Remark	Colour	Linetype
I-furn-file	File cabinets		0 to 15	as required
I-furn-pnls	Furniture system panels		0 to 15	as required
I-furn-wksf	Furniture system work surface components		0 to 15	as required
I-furn-stor	Furniture system storage components		0 to 15	as required
I-furn-powr	Furniture system - power designations		0 to 15	as required
I-furn-iden	Furniture numbers		0 to 15	as required
I-furn-plnt	Plants		0 to 15	as required
I-furn-patt	Finish patterns		0 to 15	as required
I-furn-elev	Furniture: 3d views		0 to 15	as required
I-clng	Ceiling information		0 to 15	as required
I-clng-grid	Ceiling grid		0 to 15	as required
I-clng-open	Ceiling/roof penetrations		0 to 15	as required
I-clng-tees	Main tees		0 to 15	as required
I-clng-susp	Suspended elements		0 to 15	as required
I-clng-patt	Ceiling patterns		0 to 15	as required
I-clng-accs	Ceiling access		0 to 15	as required
I-lite	Light fixtures		0 to 15	as required
			0 to 15	as required
I-cols	Columns		0 to 15	as required
			0 to 15	as required
I-hvac-sdff	Supply diffusers		0 to 15	as required
I-hvac-rdff	Return air diffusers		0 to 15	as required
			0 to 15	as required
I-grid	Planning grid or column grid		0 to 15	as required
			0 to 15	as required
I-area	Area calculation lines		0 to 15	as required
I-area-patt	Area cross hatching		0 to 15	as required

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Layer Name	Description	Remark	Colour	Linetype
I-area-iden	Room numbers, tenant identifications, area calculation		0 to 15	as required
I-area-occp	Occupant or employee names		0 to 15	as required
I-elev	Interior and exterior elevations		0 to 15	as required
I-elev-fnsh	Finishes, woodwork, trim		0 to 15	as required
I-elev-case	Wall-mounted casework		0 to 15	as required
I-elev-fixt	Miscellaneous fixtures		0 to 15	as required
I-elev-pfix	Plumbing fixtures in elevation		0 to 15	as required
I-elev-sign	Signage		0 to 15	as required
I-elev-patt	Textures and hatch patterns		0 to 15	as required
I-elev-iden	Component identification numbers		0 to 15	as required
I-sect	Sections		0 to 15	as required
I-sect-mcut	Material cut by section		0 to 15	as required
I-sect-mbnd	Material cut beyond section cut		0 to 15	as required
I-sect-patt	Textures and hatch patterns		0 to 15	as required
I-sect-iden	Component identification numbers		0 to 15	as required
I-dctl	Details		0 to 15	as required
I-dctl-mcut	Material cut by section		0 to 15	as required
I-dctl-mbnd	Material beyond section cut		0 to 15	as required
I-dctl-patt	Textures and hatch patterns		0 to 15	as required
I-dctl-iden	Component identification numbers		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
<b>Landscape Layers</b>				
L-anno-ttlb	Line work, logos, and text	font varies	varies	varies
L-plnt	Plant and landscape materials		0 to 15	as required
L-plnt-tree	Trees (new)		0 to 15	as required
L-plnt-exst	Existing trees to remain		0 to 15	as required
L-plnt-demo	Existing trees to be removed		0 to 15	as required
L-plnt-grnd	Grounds covers and vines		0 to 15	as required
L-plnt-beds	Rock, bark and other landscaping beds		0 to 15	as required
L-plnt-turf	Lawn areas		0 to 15	as required
L-plnt-plan	Planting plans		0 to 15	as required
L-irrg	Irrigation system		0 to 15	as required
L-irrg-spkl	Irrigation sprinklers		0 to 15	as required
L-irrg-pipe	Irrigation piping		0 to 15	as required
L-irrg-eqpt	Irrigation equipment		0 to 15	as required
L-irrg-covr	Irrigation coverage		0 to 15	as required
L-walk	Walks and steps		0 to 15	as required
L-walk-patt	Walks and steps cross-hatch patterns		0 to 15	as required
L-site	Site improvements		0 to 15	as required
L-site-fenc	Fencing		0 to 15	as required
L-site-wall	Walls		0 to 15	as required
L-site-step	Steps		0 to 15	as required
L-site-deck	Decks		0 to 15	as required
L-site-brdg	Bridges		0 to 15	as required
L-site-pool	Pools and spas		0 to 15	as required
L-site-sprt	Sports fields		0 to 15	as required
L-site-play	Play structures		0 to 15	as required
L-site-furn	Site furnishings		0 to 15	as required
L-site-hard	Concrete		0 to 15	as required



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Layer Name	Description	Remark	Colour	Linetype
L-site-patt	Concrete hatch		0 to 15	as required

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Layer Name	Description	Remark	Colour	Linetype
<b>Mechanical Layers</b>				
M-brin	Brine systems		0 to 15	as required
M-brin-eqpm	Brine system equipment		0 to 15	as required
M-brin-pipe	Brine system piping		0 to 15	as required
M-chim	Prefabricated chimneys		0 to 15	as required
M-cmpa	Compressed air systems		0 to 15	as required
M-cmpa-ceqp	Compressed air equipment		0 to 15	as required
M-cmpa-cpip	Compressed air piping		0 to 15	as required
M-cmpa-peqp	Process air equipment		0 to 15	as required
M-cmpa-ppip	Process air piping		0 to 15	as required
M-cont	Controls and instrumentation		0 to 15	as required
M-cont-ther	Thermostats		0 to 15	as required
M-cont-wire	Low voltage wiring		0 to 15	as required
M-dust	Dust and fume collection system		0 to 15	as required
M-dust-eqpm	Dust and fume collection equipment		0 to 15	as required
M-dust-duct	Dust and fume ductwork		0 to 15	as required
M-elht-eqpm	Electric heat equipment		0 to 15	as required
M-ener	Energy management system		0 to 15	as required
M-ener-eqpm	Energy management equipment		0 to 15	as required
M-ener-wire	Energy management wiring		0 to 15	as required
M-rcov	Energy recovery		0 to 15	as required
M-rcov-eqpm	Energy recovery equipment		0 to 15	as required
M-rcov-pipe	Energy recovery piping		0 to 15	as required
M-exhs	Exhaust system		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
M-exhs-eqpm	Exhaust system equipment		0 to 15	as required
M-exhs-duct	Exhaust system ductwork		0 to 15	as required
M-exhs-rfeq	Rooftop exhaust equipment		0 to 15	as required
M-fuel	Fuel system piping		0 to 15	as required
M-fuel-gprp	Fuel gas process piping		0 to 15	as required
M-fuel-ggpe	Fuel gas general piping		0 to 15	as required
M-fuel-oprp	Fuel oil process piping		0 to 15	as required
M-fuel-ogep	Fuel oil general piping		0 to 15	as required
M-hvac	Hvac system		0 to 15	as required
M-hvac-cdff	Hvac ceiling diffusers		0 to 15	as required
M-hvac-odff	Hvac other diffusers		0 to 15	as required
M-hvac-duct	Hvac ductwork		0 to 15	as required
M-hvac-eqpm	Hvac equipment		0 to 15	as required
M-hvac-sdff	Hvac supply diffusers		0 to 15	as required
M-hvac-rdff	Hvac return air diffusers		0 to 15	as required
M-hotw	Hot water heating system		0 to 15	as required
M-hotw-eqpm	Hot water equipment		0 to 15	as required
M-hotw-pipe	Hot water piping		0 to 15	as required
M-cwtr	Chilled water systems		0 to 15	as required
M-cwtr-pipe	Chilled water piping		0 to 15	as required
M-cwtr-eqpm	Chilled water equipment		0 to 15	as required
M-mach	Machine shop equipment		0 to 15	as required
M-mdgs	Medical gas systems		0 to 15	as required
M-mdgs-eqpm	Medical gas equipment		0 to 15	as required
M-mdgs-pipe	Medical gas piping		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
M-lgas	Laboratory gas systems		0 to 15	as required
M-lgas-eqpm	Laboratory gas equipment		0 to 15	as required
M-lgas-pipe	Laboratory gas piping		0 to 15	as required
M-ngas	Natural gas systems		0 to 15	as required
M-ngas-eqpm	Natural gas equipment		0 to 15	as required
M-ngas-pipe	Natural gas piping		0 to 15	as required
M-proc	Process systems		0 to 15	as required
M-proc-eqpm	Process equipment		0 to 15	as required
M-proc-pipe	Process piping		0 to 15	as required
M-refg	Refrigeration systems		0 to 15	as required
M-refg-eqpm	Refrigeration equipment		0 to 15	as required
M-refg-pipe	Refrigeration piping		0 to 15	as required
M-spcl	Special systems		0 to 15	as required
M-spcl-eqpm	Special systems equipment		0 to 15	as required
M-spcl-pipe	Special systems piping		0 to 15	as required
M-stem	Steam systems		0 to 15	as required
M-stem-conp	Steam systems condensate piping		0 to 15	as required
M-stem-eqpm	Steam systems equipment		0 to 15	as required
M-stem-lpip	Low pressure steam piping		0 to 15	as required
M-stem-hpip	High pressure steam piping		0 to 15	as required
M-stem-mpip	Medium pressure steam piping		0 to 15	as required
M-test	Test equipment		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
<b>Plumbing Layers</b>				
P-anno-ttlb	Line work, logos, and text	font varies	varies	varies
P-acid	Acid, alkaline, oil waste systems		0 to 15	as required
P-acid-pipe	Acid, alkaline, oil waste piping		0 to 15	as required
P-domw	Domestic hot and cold water systems		0 to 15	as required
P-domw-eqpm	Domestic hot and cold water equipment		0 to 15	as required
P-domw-hpip	Domestic hot water piping		0 to 15	as required
P-domw-cpip	Domestic cold water piping		0 to 15	as required
P-domw-risr	Domestic hot and cold water risers		0 to 15	as required
<b>P-sanr</b>	<b>Sanitary drainage</b>		0 to 15	as required
P-sanr-pipe	Sanitary piping		0 to 15	as required
P-sanr-fixt	Plumbing fixtures		0 to 15	as required
P-sanr-fldr	Floor drains		0 to 15	as required
P-sanr-risr	Sanitary risers		0 to 15	as required
P-sanr-eqpm	Sanitary equipment		0 to 15	as required
P-strm	Storm drainage system		0 to 15	as required
P-strm-pipe	Storm drain piping		0 to 15	as required
P-strm-risr	Storm drain risers		0 to 15	as required
P-strm-rfdr	Roof drains		0 to 15	as required
P-eqpm	Plumbing miscellaneous equipment		0 to 15	as required
P-fixt	Plumbing fixtures		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
<b>Equipment Layers</b>				
Q-otln	Equipment outlines		0 to 15	as required
Q-power	Power information		0 to 15	as required
Q-pipe	Piping information		0 to 15	as required

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**Information provided by product manufacturers.**

<b>Layer Name</b>	<b>Description</b>	<b>Remark</b>	<b>Colour</b>	<b>Linetype</b>
<b>Resource Layers</b>				
R-****-otln	Outlines or profile graphics		0 to 15	as required
R-****-detl	Additional detail graphics		0 to 15	as required
R-****-patt	Textures and hatch patterns		0 to 15	as required
R-****-anno	Annotation		0 to 15	as required

Layer Name	Description	Remark	Colour	Linetype
<b>Structural Layers</b>				
S-anno-ttlb	Line work, logos, and text	font varies	varies	varies
S-grd	Column grid		0 to 15	as required
S-grid-extr	Column grid outside building		0 to 15	as required
S-grid-intr	Column grid inside building		0 to 15	as required
S-grid-dims	Column grid dimensions		0 to 15	as required
S-grid-iden	Column grid tags		0 to 15	as required
S-fndn	Foundation		0 to 15	as required
S-fndn-pile	Piles, drilled piers		0 to 15	as required
S-fndn-rbar	Foundation reinforcing		0 to 15	as required
S-slab	Slab		0 to 15	as required
S-slab-edge	Edge of slab		0 to 15	as required
S-slab-rbar	Slab reinforcing		0 to 15	as required
S-slab-join	Slab control joints		0 to 15	as required
S-ablt	Anchor bolts		0 to 15	as required
S-cols	Columns		0 to 15	as required
S-wall	Structural bearing or shear walls		0 to 15	as required
S-metl	Miscellaneous metal		0 to 15	as required
S-beam	Beams		0 to 15	as required
S-jois	Joists		0 to 15	as required
S-deck	Structural floor deck		0 to 15	as required



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Layer Name	Description	Remark	Colour	Linetype
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Layer Name	Description	Remark	Colour	Linetype
<b>Telecommunication Layers</b>				
T-CABL	Cable plan		0 to 15	as required
T-EQPM	Equipment plan		0 to 15	as required
T-JACK	Data/telephone jacks		0 to 15	as required
T-DIAG	Diagram		0 to 15	as required

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Layer Name	Description	Remark	Colour	Linetype
<b>Facility Information System (FIS) Layers</b>				
1	BLIMS Required Layer	Do Not Delete	140	continuous
2	BLIMS Required Layer	Do Not Delete	40	continuous
3	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
FDC-KEY	BLIMS Required Layer	Do Not Delete	9	continuous
FIM-QRY	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-EQNT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-EQT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-FUNT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-FUT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-FXNT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-FXT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-SPC-G	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-SPC-R	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-SPC-U	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
K-TXT-ZONE	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
LNK-EMP	BLIMS Required Layer	Do Not Delete	3 (green)	continuous
LNK-EQNT	BLIMS Required Layer	Do Not Delete	5 (blue)	continuous
LNK-EQT	BLIMS Required Layer	Do Not Delete	4 (cyan)	continuous
LNK-FLR	BLIMS Required Layer	Do Not Delete	2 (yellow)	continuous
LNK-FUNT	BLIMS Required Layer	Do Not Delete	5 (blue)	continuous
LNK-FUT	BLIMS Required Layer	Do Not Delete	4 (cyan)	continuous
LNK-FXNT	BLIMS Required Layer	Do Not Delete	5 (blue)	continuous
LNK-FXT	BLIMS Required Layer	Do Not Delete	4 (cyan)	continuous
LNK-NON	BLIMS Required Layer	Do Not Delete	1 (red)	polyline
LNK-SPC-GA	BLIMS Required Layer	Do Not Delete	6 (magenta)	continuous
LNK-SPC-RA	BLIMS Required Layer	Do Not Delete	5 (blue)	continuous
LNK-SPC-UA	BLIMS Required Layer	Do Not Delete	4 (cyan)	continuous
LNK-ZONE	BLIMS Required Layer	Do Not Delete	3 (green)	continuous
MOVE-LAYER	BLIMS Required Layer	Do Not Delete	2 (yellow)	continuous
MOVE-TAG	BLIMS Required Layer	Do Not Delete	2 (yellow)	continuous

Layer Name	Description	Remark	Colour	Linetype
MOVE-TRACE	BLIMS Required Layer	Do Not Delete	2 (yellow)	continuous
Q-TXT-EMP	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-EMP-ATT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-EQNT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-EQNT-ATT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-EQT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-EQT-ATT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-SPC	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
Q-TXT-SPC-ATT	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
XREF1	BLIMS Required Layer	Do Not Delete	7 (white)	continuous
XREF2	BLIMS Required Layer	Do Not Delete	7 (white)	continuous

**Appendix A**

Layer Name	Description	Remark	Colour	Linetype
Majr	Contour major	Chim	Chimney	
Minr	Contour Minr	Circ	Circuit	
1lin	One line diagram	City	City	
Ablt	Anchor bolt	Clhd	Ceiling overhead	
Abnd	Abandoned	CIng	Ceiling	
Accs	Access	Clok	Clock	
Acid	Acid	Cmpa	Compressed	
Alrm	Alarm	Cntr	Center lines	
Anno	Annotation	Co2s	Co2	
Anno-dims	Dimensions	Code	Code	
Anno-keys	Key notes	Cols	Column	
Anno-legn	Legends and schedules	Comm	Communications	
Anno-note	Notes	Comp	Condensate piping	
Anno-nplt	Construction lines, nonplotting information	Cons	Construction	
Anno-redl	Redline	Cont	Control	
Anno-revs	Revisions	Covr	Coverage	
Anno-symb	Symbols	Cpip	Compressed air piping	
Anno-text	Text	Cpip	Cold piping	
Anno-ttlb	Border and title block	Crec	Current recommendations	
Appl	Appliances	Ctrl	Control	
Area	Area	Curb	Curbs	
Auxl	Auxiliary	Cutl	Cut lines and hidden lines	
Base	Base plan	Cwtr	Chilled water	
Beam	Beams	Data	Data	
Beds	Beds	Deck	Deck	
Bell	Bell	Deck	Decks	
Berm	Berms, embankments	Demo	Demolition	
Blds	Building service	Detl	Details	
Bsfx	Fixtures for building services	Devc	Device	
Bldg	Buildings	Diag	Diagram	
Bnmk	Benchmarks	Dict	Dictation	
Bore	Borings	Dims	Dimensions	
Brdg	Bridges	Domw	Domestic water	
Brin	Brine	Door	Door	
Brng	Bearings and distance	Dran	Drainage	
Busw	Busway	Duct	Ductwork	
Cabl	Cable	Dust	Dust and fume	
Catv	Cable television	Edge	Edge	
Cars	Cars	Edst	Electoral district	
Case	Casework	Elev	Elevation	
Cctv	Closed circuit tv	Elht	Electric heat	
Cdff	Ceiling diffusers	Emer	Emergency	
Ceqp	Compressed air equipment	Ener	Energy management	
Char	Chair	Eqpm	Equipment	
		Eqpt	Equipment	

**Bolded names** have been added by Alberta Parks and Protected Areas

Layer Name	Description	Remark	Colour	Linetype
Equi	Equipotential	Hydr	Hydrography	
Esmt	Easements	Iden	Identification	
Evac	Evacuation	lgas	Inert gas	
Evtr	Elevator	Intc	Intercom	
Exar	Excluded area	Inpt	Interior partitions	
Exhs	Exhaust	Intr	Interior	
Exit	Exit	Irsr	Indian reserve	
Exst	Existing to remain	Invp	Inventory plan - space	
Extr	Exterior	Irca	Irrigation canal	
Feed	Feeder	Irrg	Irrigation	
Fenc	Fencing	Isld	Islands	
File	File	Jack	Data/telephone jacks	
Fire	Fire	Jamb	Jamb	
Fixd	Fixed	Jbox	Junction box	
Fixt	Fixture	Join	Joints	
Fldr	Floor	Jois	Joists	
Flor	Floor	Jdst	Judicial district	
Flor	Floor	Keyn	Key notes	
Fndn	Foundation	Keyp	Key plan	
Fnsh	Finishes	Lake	Lake	
Frdr	French drain	Lape	Lake - perennial	
Frsr	Forest reserve	Legn	Legend	
Free	Freestanding	Levl	Level	
Fuel	Fuel	Lgas	Laboratory gas	
Full	Full height	Lite	Lighting	
Fume	Fume	Logo	Lines and logo	
Furn	Furniture	Lpip	Low pressure piping	
Furn	Furnishings	Ltng	Lightning	
Futr	Future work	Mach	Machine shop equipment	
Geob	Geographic border	Mbnd	Material beyond	
Ggep	Gas general piping	Mcut	Material cut	
Glaz	Glazed	Mdst	Municipal district	
Gprp	Gas process piping	Mdgs	Medical gas	
Grid	Grid	Metl	Metal	
Grnd	Ground	Move	Movable	
Gros	Gross	Move	Items to be moved	
Haln	Halon	Mpip	Medium pressure piping	
Hmlt	Hamlet	Msnt	Settlement, metis	
Head	Header	Nbnd	International boundary	
Hotw	Hot water	Neww	New work	
Hpip	High pressure piping	Ngas	Natural gas	
Hpip	Hot piping	Nicn	Not in contract	
Hral	Handrail	Note	Notes	
Hvac	Hvac related	Nplt	Construction lines, nonplotting information	
Hvac	Hvac			

**Bolded names** have been added by Alberta Parks and Protected Areas

Layer Name	Description	Remark	Colour	Linetype
Nprk	National park	Rent	Rentable	
Numb	Numbers	Revs	Revisions	
Nurs	Nurse	Rfdr	Roof	
Occp	Occupant	Rfeq	Rooftop equipment	
Odff	Other diffusers	Rhst	Repair history	
Ogep	Oil general piping	Risr	Riser diagram	
Open	Opening	Risr	Riser	
Oprp	Oil process piping	Road	Roadways	
Othd	Other	Roof	Roof	
Otln	Outline	Rima	River, stream - major	
Ovhd	Overhead	Ripe	River, stream - perennial	
Panel	Panel	Rtwl	Retaining wall	
Patt	Pattern (cross-hatching, poche)	Sanr	Sanitary	
Pbnd	Interprovincial boundary	Sdff	Supply diffusers	
Peqp	Process air equipment	Sect	Sections	
Pfix	Plumbing fixtures	Sert	Security	
Pgng	Paging system	Shel	Shell plan	
Pprk	Provincial park	Sign	Signage	
Pten	Port of entry	Sill	Sill	
Phs1-9	Phase numbers (1-9)	Site	Site	
Pile	Piles	Skyl	Skylight	
Pipe	Piping	Slab	Slab	
Pkng	Parking	Slid	Solid fill	
Plan	Plants	Smnt	Settlement	
Plan	Plan - floor	Smok	Smoke	
Play	Play	Sound	Sound	
Plnt	Plants	Spcl	Special	
Pnls	Panels	Spcl	Specialties	
Pole	Poles	Spkl	Sprinkler - irrigation	
Poly	Polyline	Sprn	Sprinklers	
Pool	Pools	Spot	Spot	
Power	Power	Sprt	Sport	
Ppip	Process air piping	Sswr	Sanitary sewer	
Prht	Partial height	Stak	Stacking plan	
Proc	Process	Stan	Standpipe	
Prop	Property	Stem	Steam	
Prot	Protection	Step	Steps	
Rais	Raised	Stnr	Station, rail line	
Rbar	Reinforcing	Stor	Storage	
Rcov	Energy recovery	Strf	Steep roof	
Rdff	Return air diffusers	Strm	Storm	
Redl	Redline	Strp	Striping	
Refg	Refrigeration	Strs	Stair	
Refr	Reference	Susp	Suspended	
Relo	Relocated items	Swbd	Switchboards	

**Bolded names** have been added by Alberta Parks and Protected Areas



Layer Name	Description	Remark	Colour	Linetype
Swch	Switch			
Symb	Symbols			
Tees	Tees			
Telv	Television			
Temp	Temporary work			
Test	Test			
Text	Text			
Ther	Thermostat			
Topo	Topographical			
Tpns	Toilet partitions			
Tptn	Toilet partitions			
Town	Town			
Tree	Trees			
Trim	Trim lines for final plot			
Ttlb	Title block			
Turf	Turf			
Tvan	Tv antenna			
Ubnd	User boundries			
Ucpt	Under carpet			
Undr	Underground			
Urac	Underfloor raceways			
Usbl	Useable			
Util	Utilities			
Vdh1-9	Visual defect history (number 1 to 9)			
Vilg	Village			
Vils	Village, summer			
Walk	Walks			
Wall	Wall			
Watr	Water			
Wdwk	Woodwork			
Wire	Wiring			
Wksf	Worksurface			
Wlda	Wilderness area			
X-rdme	Read-me layer, not to be plotted			
Zone	Zone area			

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