



# Minor Group Descriptions

The minor group is an optional, four character field to further define the major groups. Multiple minor group may be used for still further delineation of the data contained on a layer. Any minor group may be used to modify any major group, provided that the definition of the minor group remains unchanged. Therefore, any reasonable combination of the prescribed major and minor groups is permitted.

This set of minor group field codes is not intended to be all inclusive. There will be instances when project specific minor groups will need to be created. In these cases new minor group field codes are allowed, however, they must contain four alphanumeric characters (and if necessary end with one or more tilde {~} character(s) to fulfill the four character requirement), and must be fully documented.

The following is the list of existing major group names. If a new one needs to be created, please ensure it is not already defined on this list or the list of [major group](#) names.

Description	Group
25 mm	25
50 mm or less	50MM
50 mm	50
100 mm	100
150 mm	150
0.5 m	0.5M
2.5 m	2.5M
5 m	5M~~
10 m	10M~
20 m	20M~
25 m	25M~
1 continuous and 1 broken	1C1B
3 to 3 (road markings)	CNTY
3 to 6 (road markings)	SKIP
15	15~~
Above	ABOV
Abutments	ABUT
Access	ACCS
Accessible ramp	RAMP
activity centre	ACTV
Address	ADDR
Adits in galleries and passages	ADIT
Aggregate surface course and gravel	AGSC
Agitation air system	AA~~
Air	AIR~



Alarm	ALRM
ALS	ALS~
Aluminum	ALUM
Ammonia exhaust system	AMEX
Ammonia waste system	AMW~
Anchor bolts	ABLT
Anchorage	ANCH
Antenna	ANT~
Approach	APPR
Approvals	APRV
appurtenance	APPT
Architectural woodwork	WDWK
Area	AREA
Argon bulk system	ARB~
Argon system	AR~~
Arms man	ARMS
Arrows	ARRW
Arsenic exhaust system	AREX
Arsenic house vacuum system	HVA~
arterial	ARTL
as-built	ASBL
ASCM symbols	ASCM
Asphalt	ASPH
Assembly	ASSY
Audio signal	SAUD
Auger	AUGR
Axis and centerlines	AXIS
Axles	AXLE
Back	BACK
Back of lot	BOLC
Baffle blocks, splash pads	BAFL
Ballast	BLST
Barbed wire	BRBW
Barrier	BARR
Base	BASE
Beams	BEAM
Bearings and couplings	BEAR
Belts	BELT
Bent	BENT



Berms	BERM
Bicycle marker	BIKE
Bike loop	LOOP
Bio	BIO~
Black	BLCK
Blocks	BLKS
Boiler blow down piping	BLBD
Boiler feed water system	BFW~
Bollards	BOLL
Bollards	BLRD
Boring form	FORM
Bottom	BOTM
Boulevard	BLVD
Bouy	BOUY
Break / fault lines	BRKL
Breakers	BKRS
Breakpoint	BRKP
Breathable air system	BA~~
Brick	BRCK
Bridge	BRDG
Bridging	BRGX
Building	BLDG
Bulkhead	BLKH
Bus duct	BUSS
Bus lay by	BUSB
bus pad	BPAD
Bus shelter	BSHL
Bus trap	BUST
Bushes and shrubs	BUSH
Bushings	BSHG
Busways	BUSW
Butane system	BUT~
Bylaw	BLAW
Cabinet	CAB~
Cable systems	CABL
Cabletray and wireways	TRAY
Canal	CANL
Cap	CAP~
Cardanic ring	CRNG



Casework	CSWK
Casting	CAST
Catch basin	CBAS
Caustic system	C~~~
Cavity	CAVI
Ceiling	CLNG
Ceiling diffusers	CDFF
Ceiling heads	CLHD
Cell	CELL
Centre / Centreline	CNTR
Chamber	CHAM
Channels	CHAN
Chemical vacuum system	CV~~
Chevron	CHEV
Chlorine gas system	CLG~
Chlorine vacuum system	CLV~
Circuit numbers	CNMB
Circuits	CIRC
City of Calgary	COFC
Clay	CLAY
Clean dry air system	CDA~
Clearings	CLRG
Clevises	CLEV
Closure	CLOS
Coax cable	COAX
Cofferdam	COFF
Cold air	CLDA
Cold wter piping	CPIP
Collector	COLL
Combiner box	CBOX
Commercial	COM~
commercial	COM~
Communications signal	SCOM
Components	COMP
Compressed air	CAIR
Compressed air system	CA~~
Concentrated lead waste system	CLW~
Concentrated metals waste system	CMW~
Concrete	CONC



Concrete masonry unit	CMUW
concrete splash pad	CSPL
Condensate drain system	CD~~
Condensate piping	CNDS
Conductor	COND
Conductor & Pilot	C&P~
Conduit	CNDT
Cone penetrometer test location	CONE
Coniferous	CONF
Coniferous trees	CONI
Connects, links	CONN
Construction entrance	CNTE
Construction joint	CNTJ
Container or planter	CTNR
Continuous & broken	1C1B
Contours	CONT
Control joint	CTLJ
Control points	CTRL
Control signal	SCTL
Cooling water return system	PCWR
Cooling water supply system	PCWS
Coordinates (3tm)	COOR
Copper plating waste system	CUPW
Copper rinse waste system	CURW
Copper slurry waste system	CUSW
Core	CORE
Corner protection, corner cap casting	CRNR
Covers, cover plats and guardings	COVR
Crickets	CRKT
Critical	CRIT
Crosswalk lines	XWLK
Crown	CRWN
Culvert inlet protection	CIPR
Culverts (precast/manufactured)	CULV
Curb	CURB
curbs-in	CRBI
Curtain	CURT
cushion (speed)	CUSH
Cushions	CUSH



Cut	CUT~
Cylinder	CYLD
Dam	DAM~
Damper	DMPR
Dashed line	DASH
Data	DATA
Data signal	SDAT
Dead man	DEAD
Decidious	DECD
Deck	DECK
Deep	DEEP
deep	DEEP
De-Ionized water return system	DIR~
De-Ionized water supply system	DIS~
delinneator	DELI
Description	DESC
design	DSGN
destroyed monuments and traverse stations	GONE
Detail	DETL
Detector marker	DET~
Developer system	DEV~
Devices	DEVC
DI polishing loop system	DIWP
DI reclaim system	DIRC
Diagonal	DIA~
Diagrams	DIAG
Diamond marker	DIAM
Diaphragm	DIAP
Diesel	DIES
Digital audio signal	SDGA
Digital video signal	SDGV
Dilute waste system	DLW~
Dimensions	DIMS
Direct push test location	PUSH
Dirt	DIRT
Discharge	DISC
Disconnect switches	DSCO
Distribution	DIST
distribution	DIST



Ditch	DITC
Ditches or washes	DTCH
Diversion dike	DVDK
Door and window jambs	JAMB
Doors	DOOR
Double line	DBL~
Downstream	DNST
Drainage divides	DDIV
Drains	DRNS
Drip irrigation tubing	DRIP
Driveways	DRIV
Dry	DRY~
Duct	DUCT
Ductwork size	SIZE
Duplex	DPLX
Easement	ESMT
Edge	EDGE
Edge of water	EWAT
Electric fans	EFAN
Elevation	ELEV
Elevator	EVTR
Embankment of slope	EMBK
Embedded metals (framing around openings)	EMBD
Emergency	EMER
emergency access route	EMRG
Enclosures	ENCL
End of block	EOBL
enlargement	ENLG
Equipment	EQPM
Equipment vacuum system	EV~~
Equipment with piping and electricity	EPIP
Equipment with piping, ductwork and electricity	EPDU
Equipotential	EQUI
Ethylene Glycol	EG~~
Ethylene glycol waste system	EGW~
Evergreen trees - broadleaf	EVGR
Evidence	EVDC
Exhaust air	EXHS
Existing ground	EGND



Exit	EXIT
Expansion joint	EXPJ
Exposed aggregate	AGGR
expressway	XPRS
Extensometer	EXTN
Exterior	EXTR
External	EXT~
Extinguishers	EXTI
Extra fine lines 0.13 mm	XFIN
Extra wide lines 0.70 mm	1XWD
Extrusion	XTRU
Face	FACE
False location	FLSE
Fasteners, nuts and bolts	FSTN
Feature line	FEAT
Feeder	FEED
Fences	FENC
Fenders	FEND
Fiber optics cable	FIBR
Field data	FDTA
figure	FIGR
File cabinets	FILE
Fill and cover material	FILL
Fine lines 0.18 mm	FINE
Fire protection	FIRE
Fire water system	FW~~
Fish ladder or passage	FISH
fitting	FITT
Fixed	FIXD
Fixtures	FIXT
Flagpole	FLAG
Flange	FLNG
flexible	FLEX
Floor / Floor mounted	FLOR
Floor diffusers	FDFD
Floor drains	FLDR
Flow	FLLW
flow direction	FLOW
Flume	FLUM





Footings	FTNG
Footprint	FTPT
Forcemain	FORC
Foreign	FORE
Frame	FRAM
Framing	FRMG
freeboard (contour)	FBRD
Freestanding	FREE
freeze	FRZE
Front	FRNT
Full-height	FULL
Furnishings	FURN
Fused ac	ACFU
Fused dc	DCFU
Gabions	GABN
Galleries, cross overs, trenches, etc.	GLRY
Garage	GRGE
Garbage receptacle	GARB
Gas general piping	GGEP
Gas process piping	GPRP
Gauge	GAGE
Gears	GEAR
Geometry point	GEOM
Girders	GIRD
Golf closure greens	GOLF
Goreline	GORE
Grab	GRAB
Grade beams	GRBM
Grading	GRAD
Grass	GRAS
Grated	GRAT
Grating	GRTG
Gravel	GRVL
Green	GREN
Grey	GREY
Grid	GRID
Grilles	GRIL
Ground	GRND
Ground cover	GCVR



Guard (and/or guide)	GARD
Guard rail	GRAL
Gudgeon	GUDG
Gusset plate	GUST
Gutter	GUTR
Handrails / guard rails	HRAL
Hatch	HTCH
Headers	HEAD
Heat exhaust system	HTEX
Helium system	HE~~
Hidden line	HDLN
High pH DI return system	HPDR
High pH DI supply system	HPDS
High pressure clean dry air system	HCDA
High pressure duct	HDUC
High purity nitrogen system	HPN2
High purity oxygen system	HPO2
Hoist structures	HOIS
Holes (perc)	HOLE
Hood	HOOD
Horizontal	HORZ
Hoses	HOSE
Hot air	HOTA
Hot DI reclaim system	HDRC
Hot DI return system	HDIR
Hot DI supply system	HDIS
hot mix, asphaltic concrete	HMAC
Hot water / high-pressure piping	HPIP
House	HOUS
House vacuum system	HV~~
Hub	HUB~
Hydrants and connections	HYDT
Hydrochloric acid system	HCL~
Hydrofluoric acid system	HF~~
Hydrofluoric waste system	HFW~
Hydrogen peroxide system	H2O2
Hydrogen system	H2~~
Identification	IDEN
Impress current	CURR



Inclinometers	INCL
Indicating appliances	INDC
industrial street	INDS
industrial arterial	INDA
Industrial city water system	ICW~
Industrial waste system	IW~~
Information	INFO
Inlet protection	INPR
Instrument air system	IA~~
Intake, outlet	INTK
Intercostals	ICST
Interior	INTR
Intersection / bicycle guiding line	IGLN
Inverts	INV~
Isopropyl alcohol system	IPA~
Jacks	JACK
Junction box	JBOX
Key	KEY~
Keynotes	KEYN
Keys and keeper plates	KEYS
Laboratory data	LDTA
Ladders and ladder assemblies	LADD
Lane delineation through offset intersections	SDSH
lane delineation, bicycle path	BDEL
Lanes	LANE
Large	LRG~
Large rocks and rock outcroppings	ROCK
Large rotating machinery (turbine and pumps)	LROT
Latching device	LTCH
Lateral pipe	LTRL
Lawn areas	TURF
layout	LAYT
Lead	LEAD
Leak check helium system	LCHE
Level	LEVL
Lifting	LIFT
Lights	LITE
Limits of construction / contract	LOCN
Line	LINE



Line hooks, lifting hooks, check posts, etc.	HOOK
Link	LINK
Liquid petroleum gas	LQPG
Liquid petroleum gas system	LPG~
Load bearing	LOAD
Loam	LOAM
Local	LOCL
Location	LOCA
Logo	LOGO
Longitudinal	LONG
Lots	LOTS
Louvers	LVRS
Low pressure duct	LDUC
lower noraml water level (contour)	LNWL
Low-pressure piping	LPIP
LRT	LRT~
LRT shelters and stations	LSHL
Lube oil system	LO~~
Lubrication system	LUBE
Mailbox	MAIL
Main tees	TEES
Mainline	MAIN
Major	MAJR
Make-up water	MKUP
Manhole	MHOL
Manual fire alarm pull stations	MANL
Markers, break marks, leaders	MARK
Marsh or swamp	MRSH
Mascot Number	MASC
Mask	MASK
Masonry	MSNW
Match lines	MATC
Mechanically stabilized earth (MSE)	MSE~
Medium	MED~
Medium lines 0.35 mm	MEDM
Medium-pressure piping	MPIP
Mesh or wire	MESH
Metal	METL
Metals waste system	MW~~



Microphone signal	SMIC
Mill / overlay / inlay	MLAY
Minor	MINR
Miscellaneous	MISC
Mismatched	MISM
Miter	MITR
Mixing box, dual duct	BOXD
Mixing box, single duct	BOXS
Monitoring wells	MONT
Monolithic	MONO
Mooring	MOOR
Motors	MOTR
Movable	MOVE
Mulches – organic and inorganic	MLCH
Multi-conductor cable	MULT
Natural gas system	NG~~
Needles	NDLS
Needles beam	NDLB
Nitrogen	NITG
Nitrogen system	N2~~
Nitrous oxide	NOXG
Nitrous oxide system	N2O~
Noise barrier	NSBR
Non load barring	NONL
Non-overflow structure	NOVR
Non-plotting graphic information	NPLT
Non-potable water reuse system	NPWR
Non-potable water system	NPW~
Non-registered plan	NR~~
North arrow	NORT
Number and symbol	NUMB
Obscured by structures	OBSC
Occupants	OCCP
Oil free air system	OFA~
Oil general piping	OGEP
Oil process piping	OPRP
Opening indication ("x")	OPNX
Openings	OPNG
Organic industrial waste system	OIW~



Organic liquid waste system	OLW~
Organic solvent waste system	OSW~
Original ground	OGND
Other diffusers	ODFF
Other heads	OTHD
Outline	OTLN
Outside air system	OA~~
Overhead	OVHD
Overland drainage	OVDR
Oxygen system	O2~~
Pad-mounted	PADM
Panels	PANL
Parapet	PRPT
Park	PARK
Parking lot	PRKG
Parking pad	PPAD
Parkway	PRKW
Partial-height	PRHT
Patterns	PATT
Paved area	PVMT
Pavement markings	MRKG
Pedestal	PED~
Pedestals/pads	PEDS
Penetrations	PENE
Penstock outline and features	PENS
Percolation test hole	PERC
Perennial and annual beds	BEDS
Perimeter	PERI
Phone (pay)	PHON
Phosphoric acid reclaim system	PHRC
Phosphoric acid system	PHOS
Photo electric	PVMD
Photo solvent waste system	PSW~
Piers	PIER
Piezometers	PIZO
Pile	PILE
Pile caps	PCAP
Pilot	PILT
Pins	PINS



Pintle	PNTL
Pipe	PIPE
Pipe sleeve	SLVE
Plan	PLAN
Plant air system	PA~~
Planting bed edger	EDGR
Plants	PLNT
Plastic	PLAS
Plates	PL~~
Play structures	PLAY
Pocket	PCKT
Point of common coupling	POCC
Point of interconnection	POI~
Points	PNTS
Pole	POLE
Pole-mounted	POLM
Polygon	PGON
Polygon	POLY
Pond	POND
Pools and spas	POOL
Post	POST
Potable water system	PW~~
Power signal	SPWR
Powerhouse	PWRH
Pre-cast concrete	PCST
preliminary	PREL
Primary	PRIM
Private	PRIV
Process equipment	PEQP
Process piping	PPIP
Profile	PROF
Propane system	PRO~
Protective liner (used for walls, culverts, etc.)	LINR
Public	PUBL
Pull box	PBOX
Pulleys, drums, and sheaves	PULL
Pure O2	OXYG
Quoin	QOIN
rack	RACK



Radius	RADI
Rails	HRAL
Rails and guides	GUID
Rain garden	RGRD
Raised	RAIS
Ratings	RATE
Rebar	RBAR
Recirculation piping	RPIP
Red	RED~
Regenerative caustic system	ARC~
Registered plan	RP~~
Reinforced	REIN
Relay	RELY
Religious	RELG
Residential / commercial	RESD
Retaining wall	RTWL
Return	RETN
Return air diffusers	RDFD
Reverse osmosis reject water system	ROR~
Reverse osmosis water system	RO~~
Revision indicators and text	REVS
RF signal	SRFI
RGB and component video signal	SRGB
Ribbed mat foundation	RIBS
Right of way	ROW~
Riprap	RRAP
Risers	RISR
Roadways	ROAD
Rollers and wheels	ROLL
Roof	ROOF
Roof drains	RFDR
Rooftop equipment	RFEQ
Rounding line	RNDG
Sacrificial anode	ANOD
Scale bar	SCAL
Scavenge air	SAIR
School	SCHL
Scrubber duct drains system	SDD~
Scrubber exhaust system	SCEX





Seal	SEAL
Seating	SEAT
Secondary	SECD
Section	SECT
Seeding areas	SEED
Seepage	SEEP
Separate	SEP~
Service	SRVC
Settlement	SETL
Shading	SHDE
Shadow area	SHAD
Shale	SHAL
Shape	SHAP
Sharrow	SHAR
Shopping centre	SHPC
Short	SHRT
Shoulder	SHLD
Shoulder gore lines	SGL~
Side	SIDE
side	SIDE
Sidewalks	SWLK
Sidewalks and steps	SWLK
Sign	SIGN
Signal	SIG~
Sill	SILL
Silt fence	SILT
Sketch	SKCH
Sketch line rectangular duct	SSCH
Sketch line round or oval duct	RSCH
Skin plate	SKIN
Skylight	SKLT
Sliding shoes, skids, etc.	SHOE
Slope paving	SPAV
Slurry return system	SLR~
Slurry supply system	SLS~
Slurry waste system	SLW~
Smoke detector / heat sensors	SMOK
Soffits	SFFT
Soil area	SOIL



Solvent exhaust system	SVEX
Solvent system	RER~
Solvent waste flammable system	SWF~
Solvent waste non-flammable system	SWNF
Solvent waste system	SW~~
Special / specialties	SPCL
Specialty gas system	SG~~
Speed cushion	CUSH
Spillway	SWAY
Splice	SPLC
Sports fields	SPRT
Spot elevation	SPOT
Springs	SPRG
Sprinklers	SPKL
Stadium	STDM
Stairs	STRS
Stakeline	STAK
stamped concrete	STMP
Standpipe system	SP~~
Stationing	STAN
Steel	STEL
Stencil	STEN
Steps	STEP
Stiffener	STIF
Stilling and settling basins	BASN
Stop lines	STOP
Stoplogs	SLOG
Storage	STOR
Storage tanks	TANK
storm	STRM
Stratigraphy	STRA
street segments	SSEG
Streetlight feed	STLF
Strike line	STRK
Stringers	STRG
Structural bearing or shear walls	SHEA
Structures	STRC
Stub	STUB
Stucco	STUC



Stud	STUD
sub area	SUBA
Sulfuric acid reclaim system	SULR
Sulfuric acid system	SULF
Super silt fence	SSLT
Superseded	SUPR
Supply	SPLY
Supply diffusers	SDFF
Support	SUPT
Surface	SURF
Suspended elements	SUSP
Swale	SWLE
Sweep	SWEP
Switchboards	SWBD
Switches	SWCH
Symbol	SYMB
Sync signal	SSYN
System panels	PNLS
Table	TABL
tactile pad	TACT
Tags	TAGS
Tempered DI return system	TDIR
Tempered DI supply system	TDIS
Tempered water system	TW~~
Tendons	TEND
tentative	TENT
Test pit	PITS
Test stations	TEST
Text	TEXT
Thermostats	THER
Thimble	THBL
Thin lines 0.25 mm	THIN
Thrust Plate	TRST
Tick marks	TICK
tin surface	TINN
Title block	TBLK
TMAH system	TMAH
Toilet partitions	TPTN
Top	TOP~



Top of bank	TOPB
Tower (cell, etc.)	TOWR
Trace	TRCE
Track	TRAK
Trail or path	TRAL
Transformer	XFMR
Transit	TRAN
Transition point	TPNT
Transmission	TRNM
Transportation Utility Corridor (TUC)	TUC~
Transverse	TRAV
Trap low	TLOW
Trash racks, intake screens	TRSH
Treatment (grouting)	TRMT
Trees	TREE
Trimmer floor	TRIM
True location	TRUE
Trunnion	TRUN
Tunnel	TUNL
Turn	TURN
ultra fine lines	UFIN
Ultra-pure recycle water system	UPRW
Ultra-pure water system	UPW~
unbuilt	UBUI
Unclassified	UCLS
Under construction	CONS
Under-carpet wiring	UCPT
Under-floor raceways	URAC
Underground	UGND
Unfused ac	ACNF
Unfused dc	DCNF
Unit pavers	PAVR
upper normal water level (contour)	UNWL
Upstream	UPST
urban boulevard	UBLV
User (contours)	USER
Utility	UTIL
Utility nitrogen system	UN2~
Vacuum	VACU



Vacuum system	PV~~
Valves	VALV
Vault	VAUL
Veneer	VENR
Vent	VENT
Vent system	V~~~
Venturi nitrogen system	VN2~
Vertical	VERT
Video signal	SVID
View	VIEW
View frame	VFRM
Viewport	VPRT
Vines	VINE
Walkway	WALK
Wall	WALL
Wall diffusers	WDFD
Waste	WAST
Waterbody	WBDY
Waterstops	WTRS
Waterway / hydrology	WWAY
Waterway safety barriers	WATR
Web	WEB~
Weir	WEIR
Weld argon system	WAR~
Wet	WET~
Wide lines 0.50 mm	WIDE
Width	WDTH
Wiring	WIRE
Wood	WOOD
Worksurface	WKSF
wrought iron	WIRN
X	X~~~
XX wide lines 1.00 mm	2XWD
Yellow	YELL
Zoning	ZONE