

# Object Data Table – BASE (Structure Granular)



SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022

**ASSET\_KEY**  
City of Burnaby Unique Identifier  
*Do not add, delete or modify*

**OWNER \* SEE ATTRIBUTE SHEET \***  
Ownership of assets  
CITY = City owned asset  
PRVT = Privately owned asset

**PROJECT\_ID**  
Installing or Existing Project Id  
81000 = Sample numeric value

**SERVICE\_STATUS \* SEE ATTRIBUTE SHEET \***  
Financial transaction  
I = In Service (Existing)  
REVW = Under Review (Existing)  
  
NI = Net New but Not In Service (Acquisition)  
NETN = Net New (Acquisition)  
REPL = Replacement (Acquisition)  
BETT = Betterment (Acquisition)  
  
ABND = Abandoned (Disposal)  
RMVD = Removed (Disposal)

Layer	Entity Type
R-LANE-BASE	Closed Polyline
R-PRKG-BASE	Closed Polyline
R-ROAD-BASE	Closed Polyline
C-LANE-BASE	Closed Polyline
C-PRKG-BASE	Closed Polyline
C-ROAD-BASE	Closed Polyline

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
LENGTH  
WIDTH  
THICK  
MATERIAL  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER  
RETIRED\_PROJECT\_ID

**UNIT\_TYPE**  
Subordinate type  
REPR = Repair  
FULL = Full

**LENGTH**  
Not Required

**WIDTH**  
Not Required

**THICK**  
Average Thickness of materials  
100 = Sample value (mm)

**MATERIAL**  
Material type  
BG = Base Gravels  
PM = Pumice

**CONDITION, EXP\_LIFE, CONST\_COST**  
Not Required

**PAC\_NUMBER**  
Not Required

**INSTALL\_DATE**  
Date asset was installed  
2013-DEC-03 = Sample Value

**INSTALL\_WBS\_NUMBER**  
WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
DEVELOPMENT = Development

**RETIRED\_DATE**  
Date asset was retired  
2013-DEC-03 = Sample Value

**RETIRED\_WBS\_NUMBER**  
WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
DEVELOPMENT = Development

**RETIRED\_PROJECT\_ID**  
Project Id retiring asset  
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# Object Data Table – CBAS (Catch Basin, Inlet Structures)



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Layer	Entity Type
R-DRAN-CBAS	Block
C-DRAN-CBAS	Block
<b>ASSET_KEY</b> <b>OWNER</b> <b>PROJECT_ID</b> <b>SERVICE_STATUS</b> <b>UNIT_TYPE</b> <b>ROTATION</b> <b>CONDITION</b> <b>EXP_LIFE</b> <b>CONST_COST</b> <b>PAC_NUMBER</b> <b>INSTALL_DATE</b> <b>INSTALL_WBS_NUMBER</b> <b>RETIRED_DATE</b> <b>RETIRED_WBS_NUMBER</b> <b>RETIRED_PROJECT_ID</b>	

UNIT_TYPE	
<i>Subordinate type</i>	
<b>CB</b>	= Curb Catch Basin
<b>CBI</b>	= Catch Basin Type I
<b>CBII</b>	= Catch Basin Type Ii
<b>CBIII</b>	= Catch Basin Type Iii
<b>CBV</b>	= Catch Basin Type V
<b>CBVA</b>	= Catch Basin Type V-A
<b>CBVII</b>	= Catch Basin Type Vii
<b>CI</b>	= Curb Inlet
<b>CO</b>	= Clean Out
<b>DM</b>	= Diversion Manhole
<b>GB</b>	= Grate Catch Basin
<b>GI</b>	= Grate Inlet
<b>LAWNBN</b>	= Lawn Basin
<b>MB</b>	= Manhole Basin
<b>MH</b>	= Manhole
<b>SB</b>	= Sand Box

**ROTATION**  
Not Required

**CONDITION, EXP\_LIFE, CONST\_COST**  
Not Required

**PAC\_NUMBER**  
Not Required

**INSTALL\_DATE**  
Date asset was installed  
**2013-DEC-03** = Sample Value

**INSTALL\_WBS\_NUMBER**  
Not Required

**RETIRED\_DATE**  
Date asset was retired  
**2013-DEC-03** = Sample Value

**RETIRED\_WBS\_NUMBER**  
Not Required

**RETIRED\_PROJECT\_ID**  
Project Id retiring asset  
**81000** = Sample value

# Object Data Table – FITT (Water Fitting)



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## Layer

R-WATR-STRC  
C-WATR-STRC

## Entity Type

Block  
Block

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
ROTATION  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER  
RETIRED\_PROJECT\_ID

## UNIT\_TYPE

### Subordinate type

11 ¼ = Bend 11 ¼ Degree  
22 ½ = Bend 22 ½ Degree  
45 = Bend 45 Degree  
90 = Bend 90 Degree  
SPECL = Bend Special  
TEE = Tee Fitting  
CROSS = Cross Fitting  
REDUCE = Reducer  
COUPLN = Coupling (Robar)  
FABSTF = Fabricated Stub and Flange  
FABX = Fabricated Cross  
FABT = Fabricated Tee  
FABBND = Fabricated Bend  
CAPEND = Capped End  
TAPPNG = Tapping  
INCOUP = Insulated Coupling (Robar)  
VICTCU = Victaulic Coupling (Robar)  
SLEEVE = Sleeve  
TEESPL = Split Tee  
ADAPRT = Adaptor  
CHANNEL = Drain Channel  
DECHMH = De-Chlorination Manhole

## ROTATION

Not Required

## CONDITION, EXP\_LIFE, CONST\_COST

Not Required

## PAC\_NUMBER

Not Required

## INSTALL\_DATE

Date asset was installed  
2013-DEC-03 = Sample Value

## INSTALL\_WBS\_NUMBER

Not Required

## RETIRED\_DATE

Date asset was retired  
2013-DEC-03 = Sample Value

## RETIRED\_WBS\_NUMBER

Not Required

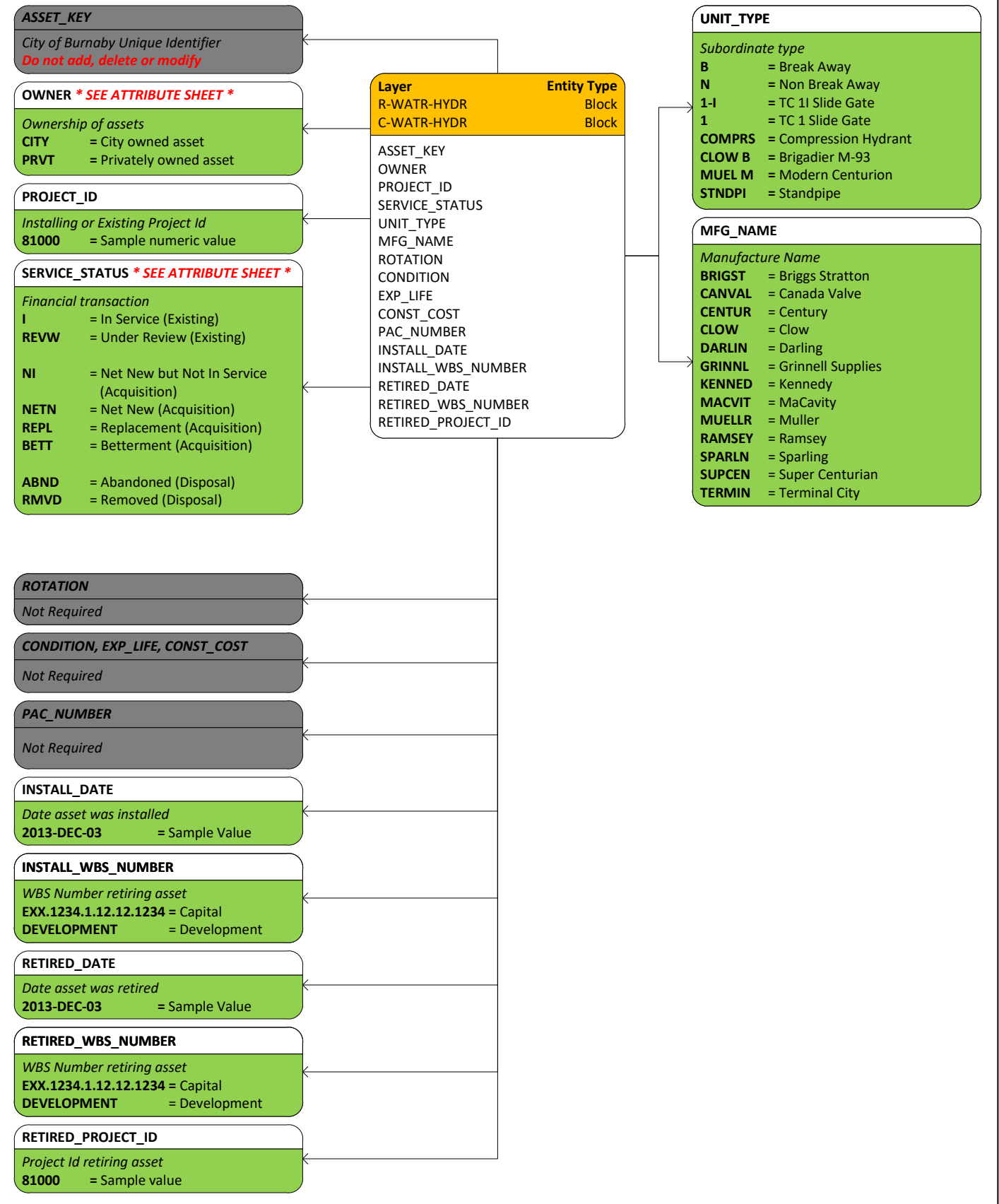
## RETIRED\_PROJECT\_ID

Project Id retiring asset  
81000 = Sample value

# Object Data Table – HYDR (Fire Hydrant)



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# Object Data Table – ILLM (Illumination)



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## ROTATION

Not Required

## CONDITION, EXP\_LIFE, CONST\_COST

Not Required

## PAC\_NUMBER

Not Required

## INSTALL\_DATE

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2013-DEC-03 = Sample Value

## INSTALL\_WBS\_NUMBER

WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
DEVELOPMENT = Development

## RETIRED\_DATE

Date asset was retired  
2013-DEC-03 = Sample Value

## RETIRED\_WBS\_NUMBER

WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
DEVELOPMENT = Development

## RETIRED\_PROJECT\_ID

Project Id retiring asset  
81000 = Sample value

## Layer

R-ILLM-STRC  
C-ILLM-STRC

## Entity Type

Block  
Block

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
MFG\_NAME  
POLE\_OFFSET  
POLE\_SHAPE  
POLE\_HEIGHT  
POLE\_COLOUR  
PAINT\_TYPE  
LUM1\_BAL  
LUM1\_WATT  
LUM1\_TYPE  
LUM2\_BAL  
LUM2\_WATT  
LUM2\_TYPE  
LUM3\_BAL  
LUM3\_WATT  
LUM3\_TYPE  
ROTATION  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER  
RETIRED\_PROJECT\_ID

## UNIT\_TYPE \* SEE ATTRIBUTE SHEET \*

Subordinate type  
LS = Lamp Standard  
LSPP = Lease Light on Power Pole  
LSPD = Pedestrian Only  
LSPED = LS & Pedestrian  
LSTS = LS & Traffic Signal  
LSSBPC = LS & Service Base & Photo Cell

## MFG\_NAME

Not Required

## POLE\_OFFSET

Offset ABC from curb or distance from PL  
A = Offset Class A  
B = Offset Class B  
C = Offset Class C  
5.55 = Sample value (m)

## POLE\_SHAPE

Pole Shape  
CIRC = Circular  
CSTM = Custom  
OCTAGN = Octagon  
SQUARE = Square

## POLE\_HEIGHT

Height of pole  
10.92 = Sample value (m)

## POLE\_COLOUR \* SEE ATTRIBUTE SHEET \*

Pole Colour  
BLACK = Black  
GREEN = Green  
GALVAN = Galvanized

## PAINT\_TYPE

Paint Type  
GAL = Galvanized  
GALPAINT = Galvanized and Painted  
PRIPAINT = Primed and Painted

## LUM1\_BAL, LUM2\_BAL, LUM3\_BAL

Luminaries Ballast  
HPS = High Pressure Sodium  
LED = Light Emitting Diode  
MH = Metal Halide  
MV = Mercury Vapor

## LUM1\_WATT, LUM2\_WATT, LUM3\_WATT

Luminaries Wattage  
150 = Sample value (watts)

## LUM1\_TYPE, LUM2\_TYPE, LUM3\_TYPE

Luminaries Housing  
COBRA = Cobra  
DECORT = Decorative  
LED = Light Emitting Diode  
POSTOP = Post Top  
OTHER = Other  
SHOEBOX = Show Box  
SPECIAL = Special  
SQUARE = Square

# Object Data Table – MHOL (Manhole)



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## Layer

R-COMB-STRC  
R-DRAIN-STRC  
R-SSWR-STRC  
C-COMB-STRC  
C-DRAIN-STRC  
C-SSWR-STRC

## Entity Type

C3D or Block  
C3D or Block  
C3D or Block  
C3D or Block  
C3D or Block  
C3D or Block

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
COVER\_TYPE  
RIM\_ELEV  
DIA  
DEPTH  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBC\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER  
RETIRED\_PROJECT\_ID

## UNIT\_TYPE

### Subordinate type

ACAV = Combination Air Valve  
ADAV = Double Acting Air Valve  
AMH = Air Release Valve  
CB = Catch Basin  
CBM = Catch Basin Manhole  
CO = Clean Out Or Flusher  
DE = Dead End (No MH)  
DIV = Flow Diversion Manhole  
DMI = Drop Manhole Inside  
DMO = Drop Manhole Outside  
FMTR = Flow Meter MH  
FRP = Fiber Reinforced Plastic MH  
INLET = Inlet End - No MH  
OCS = Outlet Control Structure  
OILIN = Oil Interceptor Manhole  
OUTFAL = Outfall - Outlet End Of Pipe  
PRS = Pressure Manhole  
PTRANS = Pipe Transition (No MH)  
SPS = Sewer Pump Station  
STD = Standard  
SUM = Sump MH (Storm-No Channel)  
SV = Sewer Valve (No MH )  
SWMOI = Storm Water Mgmt/Oil Int  
TRP = Trap Manhole (Gas)

## COVER\_TYPE

### Manhole Cover Type

BC = Burnaby Combined Standard  
BD = Burnaby Drainage Standard  
BS = Burnaby Sanitary Standard  
G = Metro Vancouver  
L = Locked / Secured  
N = Non Standard  
S = Solid  
T = Standard Two Hole  
WT = Watertight

## RIM\_ELEV

Manhole Rim Elevation  
*Not required when using Civil 3D structure*  
123.12 = Sample value (m)

## DIA

Manhole Barrel Diameter  
*Not required when using Civil 3D structure*  
1050 = Sample value (mm)

## DEPTH

Manhole Depth Rim to Sump (bench)  
*Not required when using Civil 3D structure*  
2.15 = Sample value (m)

## CONDITION, EXP\_LIFE, CONST\_COST

Not Required

## PAC\_NUMBER

Not Required

## INSTALL\_DATE

Date asset was installed  
2013-DEC-03 = Sample Value

## INSTALL\_WBS\_NUMBER

Not Required

## RETIRED\_DATE

Date asset was retired  
2013-DEC-03 = Sample Value

## RETIRED\_WBS\_NUMBER

Not Required

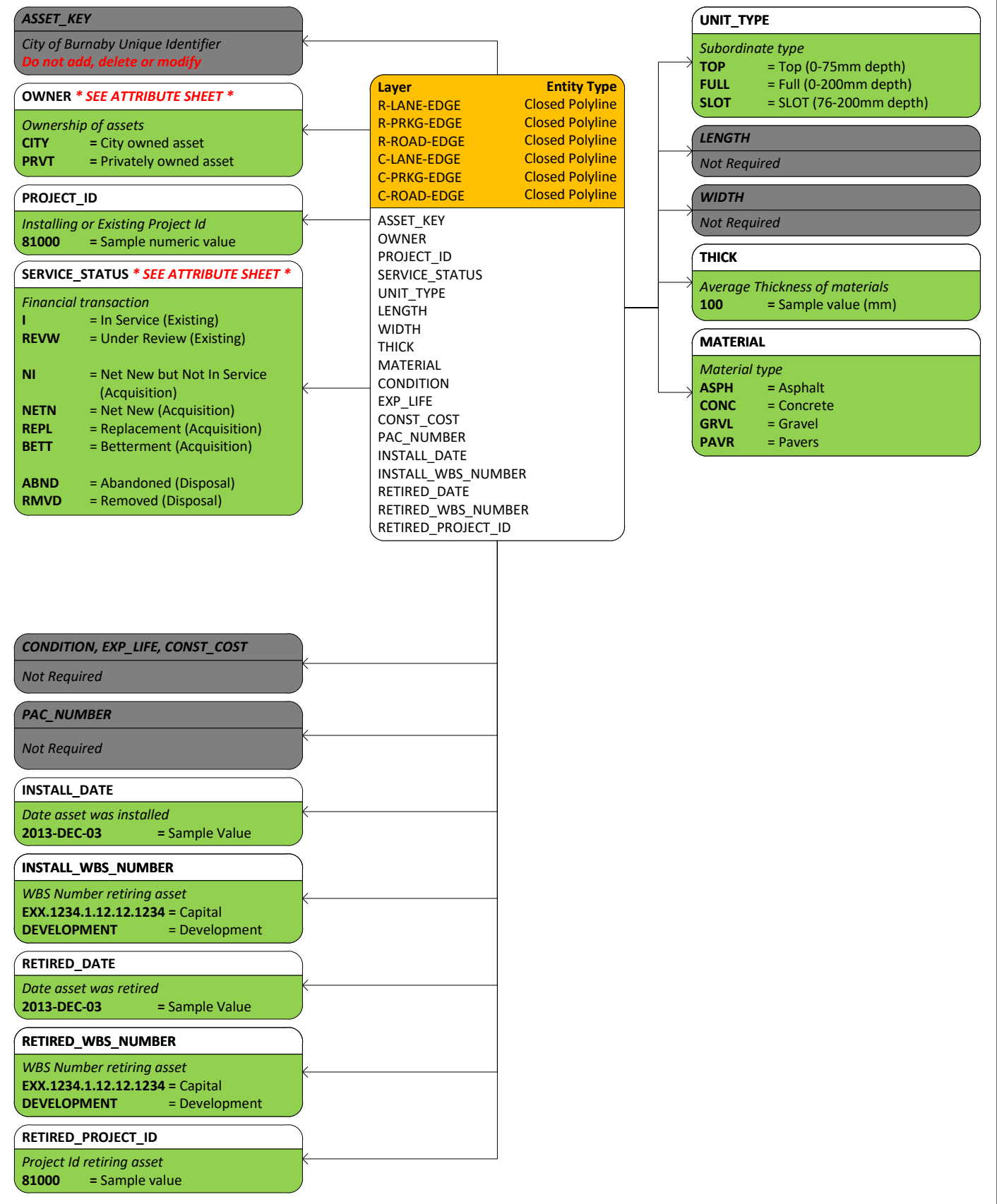
## RETIRED\_PROJECT\_ID

Project Id retiring asset  
81000 = Sample value

# Object Data Table – PAVE (Pavement)



SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
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# Object Data Table – PIPE (COMB/DRAN/SSWR-PIPE)



SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
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Financial transaction  
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## CONDITION, EXP\_LIFE, CONST\_COST

Not Required

## PAC\_NUMBER

Not Required

## INSTALL\_DATE

Date asset was installed  
2013-DEC-03 = Sample Value

## INSTALL\_WBS\_NUMBER

WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
DEVELOPMENT = Development

## RETIRED\_DATE

Date asset was retired  
2013-DEC-03 = Sample Value

## RETIRED\_WBS\_NUMBER

WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
DEVELOPMENT = Development

## RETIRED\_PROJECT\_ID

Project Id retiring asset  
81000 = Sample value

## Layer

R-COMB-PIPE  
R-DRAN-PIPE  
R-SSWR-PIPE  
C-COMB-PIPE  
C-DRAN-PIPE  
C-SSWR-PIPE

## Entity Type

C3D or Polyline  
C3D or Polyline  
C3D or Polyline  
C3D or Polyline  
C3D or Polyline  
C3D or Polyline

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
PL\_OFFSET  
LENGTH  
SLOPE  
DIA  
MATERIAL  
SHP  
INV\_ELEV\_DOWN  
INV\_ELEV\_UP  
JOINT\_LENGTH  
JOINT\_TYPE  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER  
RETIRED\_PROJECT\_ID

## UNIT\_TYPE \* SEE ATTRIBUTE SHEET \*

Subordinate type  
STD = Sanitary Sewer  
F = Forced  
CP = Cathodic Protection

## PL\_OFFSET

Offset from Property Line  
5.52 = Sample value (m)

## LENGTH

Pipe Length  
*Not required when using Civil 3D pipe*  
25.55 = Sample value (m)

## SLOPE

Pipe Slope  
*Not required when using Civil 3D pipe*  
1.55 = Sample value (%)

## DIA

Pipe Diameter  
*Not required when using Civil 3D structure*  
250 = Sample value (mm)

## MATERIAL \* SEE ATTRIBUTE SHEET \*

Pipe Material  
*Not required when using Civil 3D pipe*  
CONC = Concrete Pipe  
CU = Copper  
DI = Ductile Iron  
PVC = Polyvinyl Chloride  
HDPE = HD Polyethylene Chloride

## SHP \* SEE ATTRIBUTE SHEET \*

Pipe Shape  
CIRC = CIRCULAR

## INV\_ELEV\_DOWN

Downstream Invert Elevation  
*Not required when using Civil 3D pipe*  
123.12 = Sample value (m)

## INV\_ELEV\_UP

Upstream Invert Elevation  
*Not required when using Civil 3D pipe*  
123.12 = Sample value (m)

## JOINT\_LENGTH

Length of Pipe to Pipe Joint  
5.5 = Sample value (m)

## JOINT\_Type

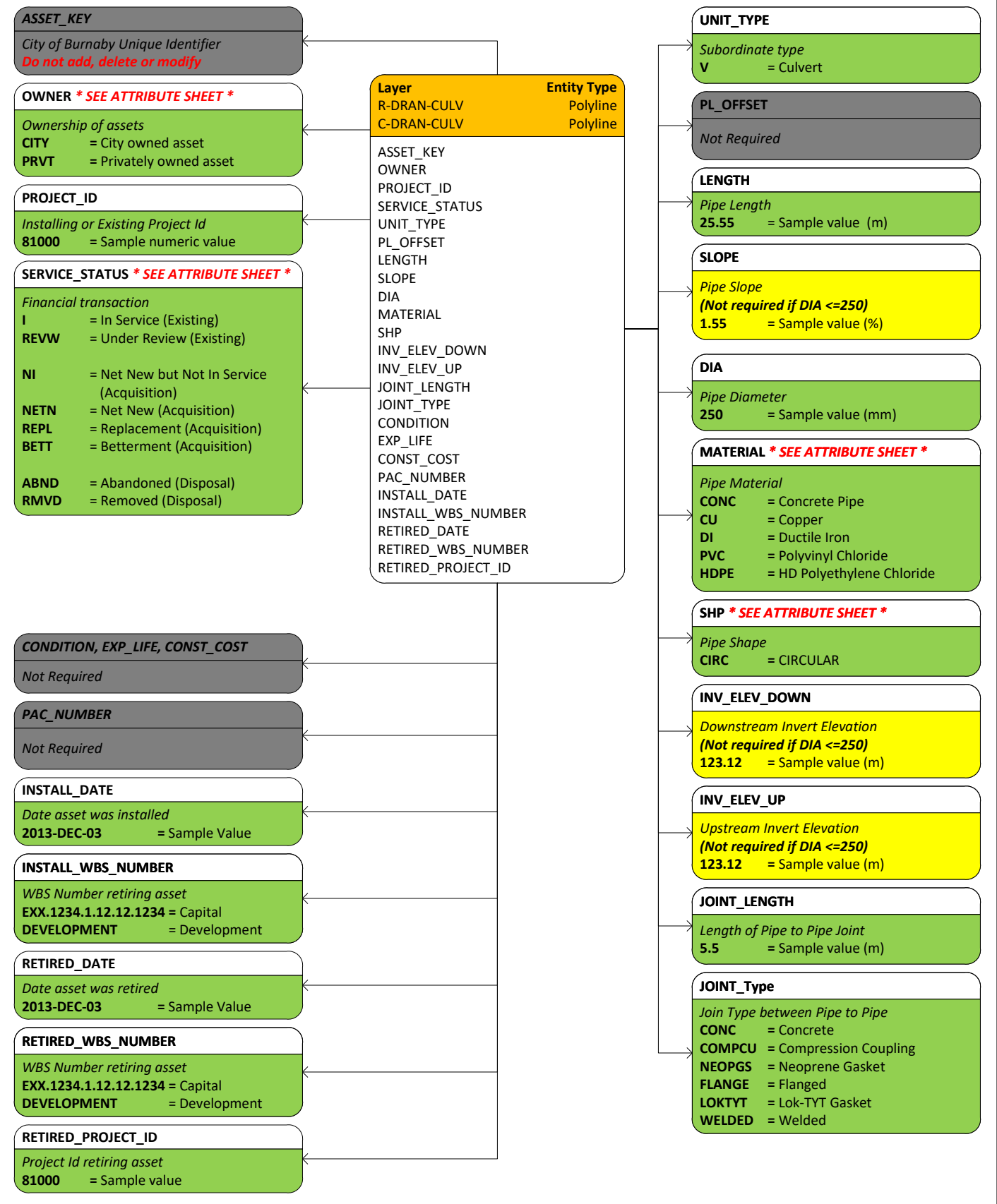
Join Type between Pipe to Pipe  
CONC = Concrete  
COMPCU = Compression Coupling  
NEOPGS = Neoprene Gasket  
FLANGE = Flanged  
LOKTYT = Lok-TYT Gasket  
WELDED = Welded



# Object Data Table – PIPE (DRAN-CULV)



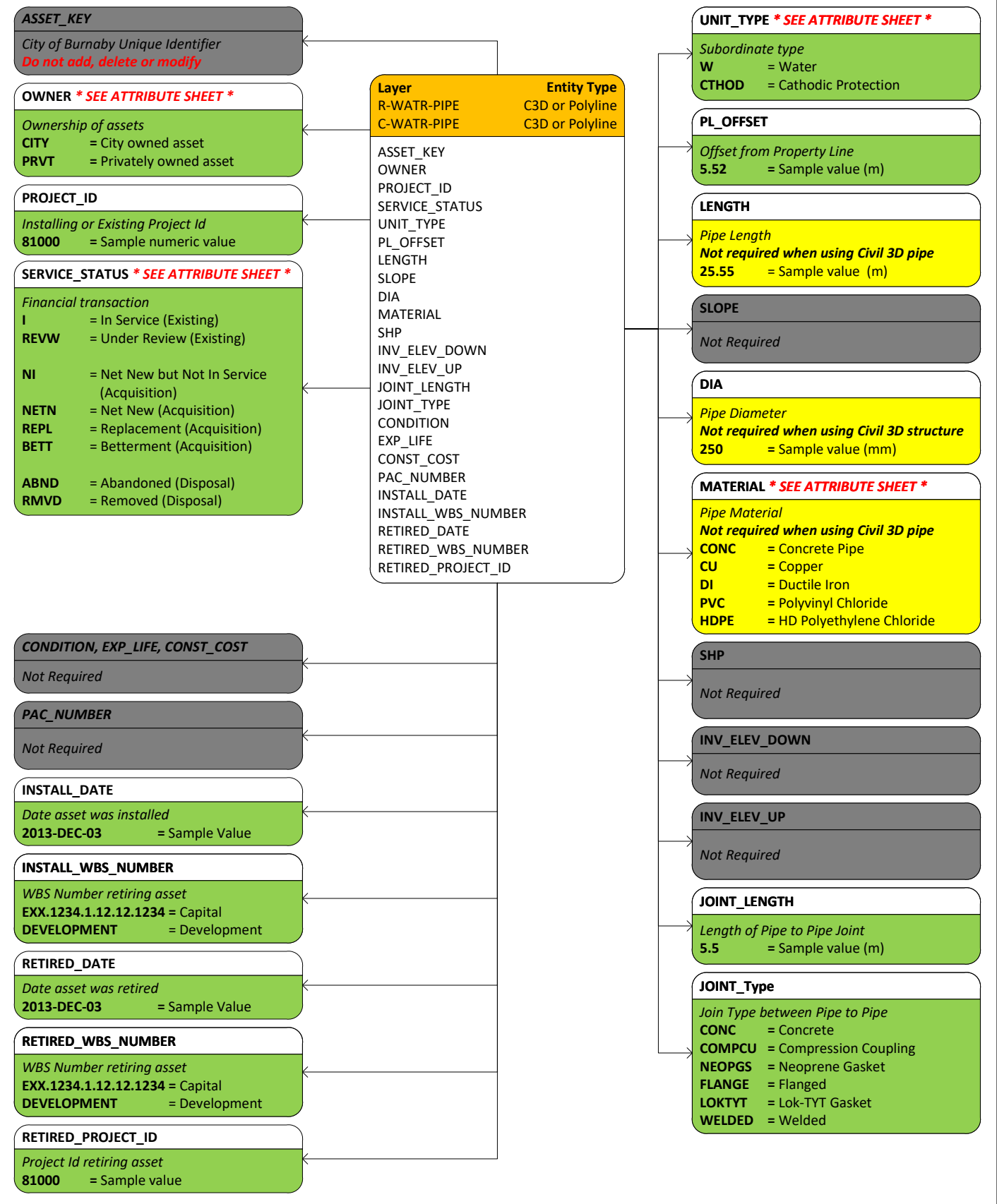
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# Object Data Table – PIPE (WATR-PIPE)



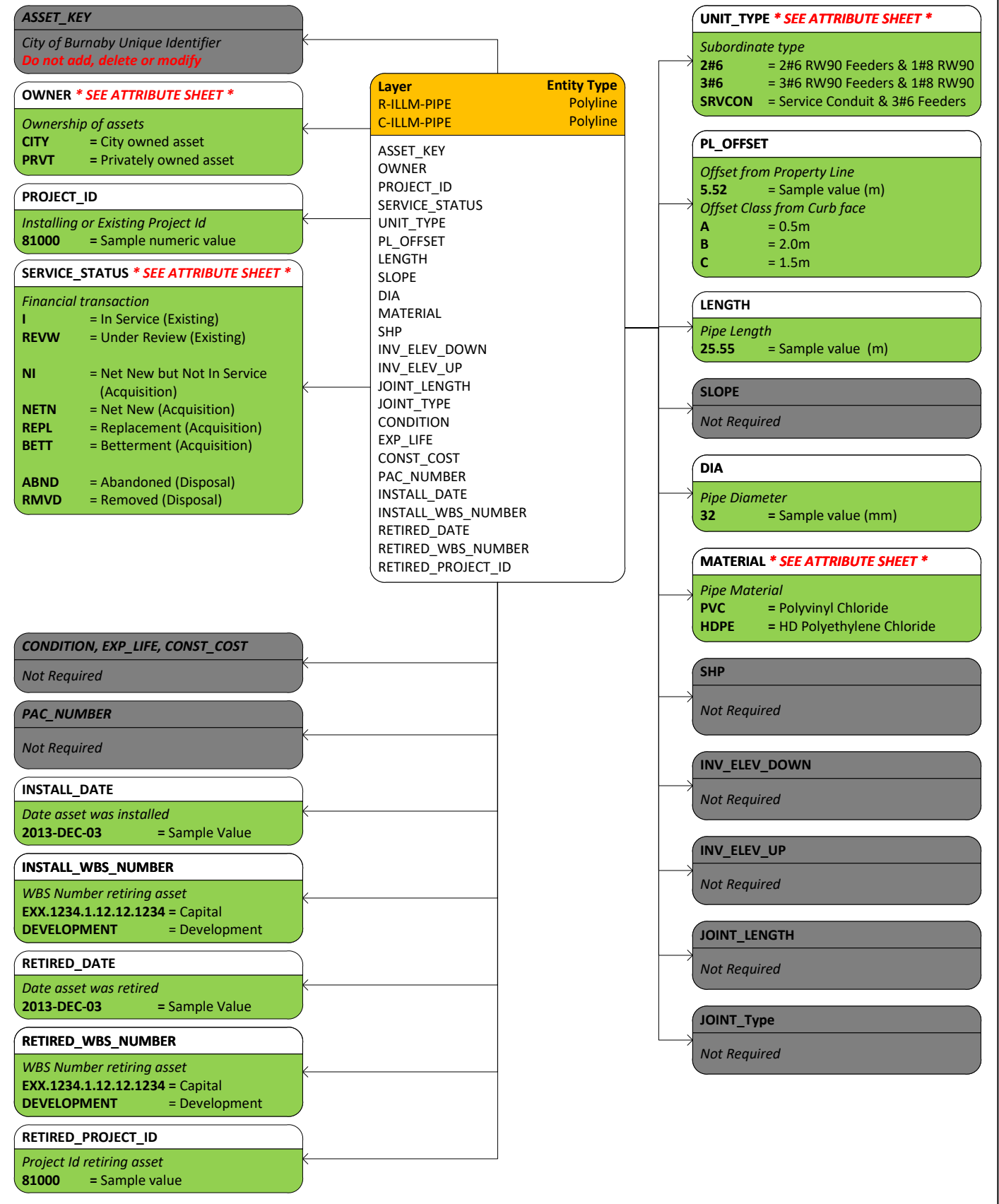
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# Object Data Table – PIPE (ILLM-PIPE)



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# Object Data Table – SRVC (COMB/DRAN/SSWR-SRVC)



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## CONDITION, EXP\_LIFE, CONST\_COST

Not Required

## PAC\_NUMBER

Not Required

## INSTALL\_DATE

Date asset was installed  
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## INSTALL\_WBS\_NUMBER

WBS Number retiring asset  
EXX.1234.1.12.12.1234 = Capital  
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## RETIRED\_DATE

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## RETIRED\_WBS\_NUMBER

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DEVELOPMENT = Development

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## Layer

R-COMB-SRVC  
R-DRAN-SRVC  
R-SSWR-SRVC  
C-COMB-SRVC  
C-DRAN-SRVC  
C-SSWR-SRVC

## Entity Type

Polyline  
Polyline  
Polyline  
Polyline  
Polyline  
Polyline

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
SERVICE\_TYPE  
BACKFLOW\_PREVENTOR  
INSPECT\_CHAMBER  
PL\_OFFSET  
PL\_DEPTH  
LENGTH  
DIA  
MATERIAL  
TAP\_FITTAT\_MAIN  
TAP\_DISTFROM  
TAP\_DIRFLOW  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER

## UNIT\_TYPE \* SEE ATTRIBUTE SHEET \*

Subordinate type  
C = Combined  
D = Drainage  
S = Sanitary

## SERVICE\_TYPE \* SEE ATTRIBUTE SHEET \*

Service Type  
DOM = Domestic Service  
COM = Combined Service  
STWW = Service to Waterway

## BACKFLOW\_PREVENTOR

Backflow Preventor  
Y = Yes  
N = No

## INSPECT\_CHAMBER

Inspection Chamber  
Y = Yes  
N = No

## PL\_OFFSET \*SEE EXAMPLE\*

Service line perpendicular offset to nearest property line  
5.0m E of W PL = Sample value

## PL\_DEPTH \*SEE EXAMPLE\*

Depth to Service from finished ground at ROW Property Line  
1.97 = Sample value (m)

## LENGTH

Pipe Length  
5.52 = Sample value (m)

## DIA

Pipe Diameter  
100 = Sample value (mm)

## MATERIAL \* SEE ATTRIBUTE SHEET \*

Pipe Material  
CU = Copper  
PVC = Polyvinyl Chloride

## TAP\_FITTAT\_MAIN \*SEE ATTRIBUTE SHEET\*

Tap Fitting at Main for Service Line  
WYE = Y Connection  
TEE = T Connection

## TAP\_DISTFROM \*SEE EXAMPLE\*

Tap Distance From Nearest MH  
12.12 = Sample value (m)

## TAP\_DIRFLOW \*SEE EXAMPLE\*

Tap Location Relative To Nearest MH  
U = Upstream  
D = Downstream

# Object Data Table – SRVC (WATR-SRVC)



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**NI** = Net New but Not In Service (Acquisition)  
**NETN** = Net New (Acquisition)  
**REPL** = Replacement (Acquisition)  
**BETT** = Betterment (Acquisition)  
  
**ABND** = Abandoned (Disposal)  
**RMVD** = Removed (Disposal)

**CONDITION, EXP\_LIFE, CONST\_COST**  
Not Required

**PAC\_NUMBER**  
Not Required

**INSTALL\_DATE**  
Date asset was installed  
**2013-DEC-03** = Sample Value

**INSTALL\_WBS\_NUMBER**  
WBS Number retiring asset  
**EXX.1234.1.12.12.1234** = Capital  
**DEVELOPMENT** = Development

**RETIRED\_DATE**  
Date asset was retired  
**2013-DEC-03** = Sample Value

**RETIRED\_WBS\_NUMBER**  
WBS Number retiring asset  
**EXX.1234.1.12.12.1234** = Capital  
**DEVELOPMENT** = Development

**RETIRED\_PROJECT\_ID**  
Project Id retiring asset  
**81000** = Sample value

Layer	Entity Type
R-WATR-SRVC	Polyline
C-WATR-SRVC	Polyline
ASSET_KEY OWNER PROJECT_ID SERVICE_STATUS UNIT_TYPE SERVICE_TYPE BACKFLOW_PREVENTOR INSPECT_CHAMBER PL_OFFSET PL_DEPTH LENGTH DIA MATERIAL TAP_FITTAT_MAIN TAP_DISTFROM TAP_DIRFLOW CONDITION EXP_LIFE CONST_COST PAC_NUMBER INSTALL_DATE INSTALL_WBS_NUMBER RETIRED_DATE RETIRED_WBS_NUMBER	

**UNIT\_TYPE \* SEE ATTRIBUTE SHEET \***  
Subordinate type  
**W** = Water  
**IRRVL** = Irrigation Vault  
**WQ\_D** = Water Quality Test - Standpipe  
**WQ\_K** = Water Quality Test - Kiosk  
**WQ\_S** = Water Quality Test - Service

**SERVICE\_TYPE \* SEE ATTRIBUTE SHEET \***  
Service Type  
**DOM** = Domestic Service  
**FRE** = Fire Service  
**IRR** = Irrigation

**BACKFLOW\_PREVENTOR**  
Not Required

**INSPECT\_CHAMBER**  
Not Required

**PL\_OFFSET \*SEE EXAMPLE\***  
Service line perpendicular offset to nearest property line  
**5.0m E of W PL** = Sample value

**PL\_DEPTH**  
Not Required

**LENGTH**  
Pipe Length  
**5.52** = Sample value (m)

**DIA**  
Pipe Diameter  
**100** = Sample value (mm)

**MATERIAL \* SEE ATTRIBUTE SHEET \***  
Pipe Material  
**CU** = Copper  
**PVC** = Polyvinyl Chloride

**TAP\_FITTAT\_MAIN**  
Not Required

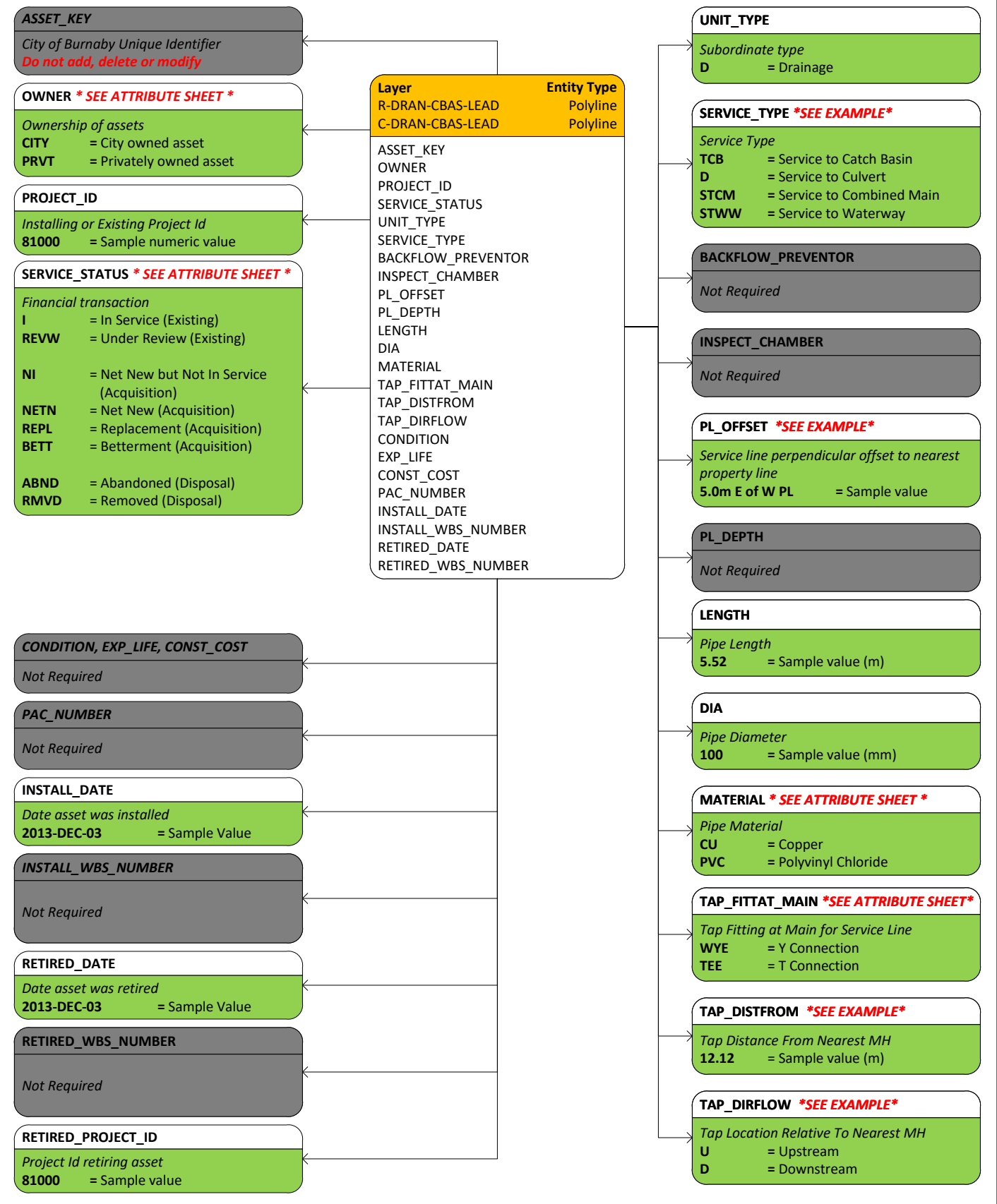
**TAP\_DISTFROM**  
Not Required

**TAP\_DIRFLOW**  
Not Required

# Object Data Table – SRVC (CBAS-LEAD)



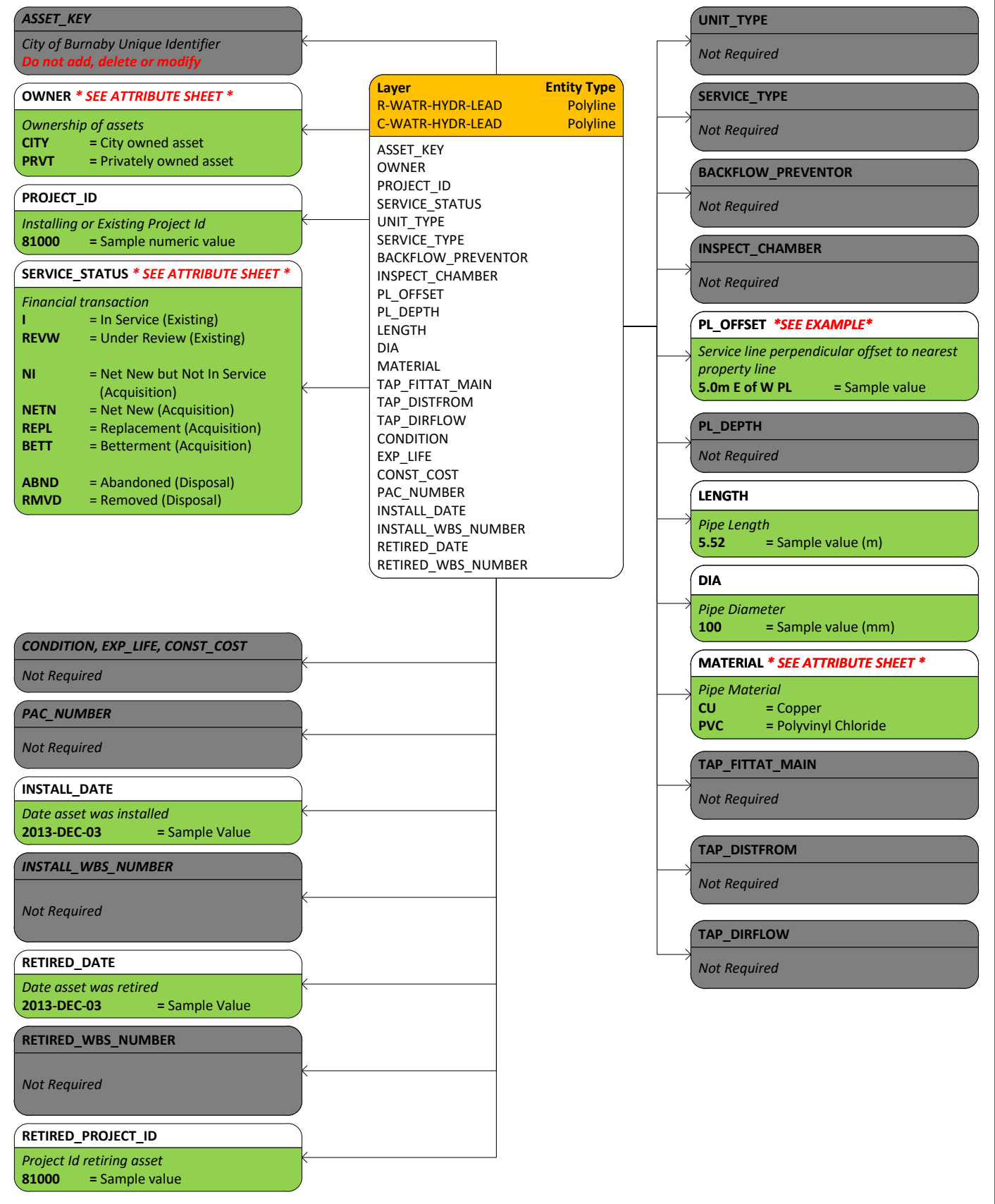
SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022



# Object Data Table – SRVC (HYDR-LEAD)



SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022





# Object Data Table – VALV (Valve)



SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022

## ASSET\_KEY

City of Burnaby Unique Identifier  
*Do not add, delete or modify*

## OWNER \* SEE ATTRIBUTE SHEET \*

Ownership of assets  
CITY = City owned asset  
PRVT = Privately owned asset

## PROJECT\_ID

Installing or Existing Project Id  
81000 = Sample numeric value

## SERVICE\_STATUS \* SEE ATTRIBUTE SHEET \*

Financial transaction  
I = In Service (Existing)  
REVW = Under Review (Existing)  
  
NI = Net New but Not In Service (Acquisition)  
NETN = Net New (Acquisition)  
REPL = Replacement (Acquisition)  
BETT = Betterment (Acquisition)  
  
ABND = Abandoned (Disposal)  
RMVD = Removed (Disposal)

## ROTATION

Not Required

## CONDITION, EXP\_LIFE, CONST\_COST

Not Required

## PAC\_NUMBER

Not Required

## INSTALL\_DATE

Date asset was installed  
2013-DEC-03 = Sample Value

## INSTALL\_WBS\_NUMBER

Not Required

## RETIRED\_DATE

Date asset was retired  
2013-DEC-03 = Sample Value

## RETIRED\_WBS\_NUMBER

Not Required

## RETIRED\_PROJECT\_ID

Project Id retiring asset  
81000 = Sample value

## Layer

R-SSWR-VALV  
R-WATR-VALV  
C-SSWR-VALV  
C-WATR-VALV

## Entity Type

Block  
Block  
Block  
Block

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
MFG\_NAME  
DIA  
STATUS  
ROTATION  
CONDITION  
EXP\_LIFE  
CONST\_COST  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER  
RETIRED\_PROJECT\_ID

## UNIT\_TYPE

### Subordinate type

ACAV = Combination Air Valve  
ADAV = Double Acting Air Valve  
ARV = Air Release Valve  
BTRV = Butterfly Valve  
BTVG = Butterfly Valve Geared  
CBSTOP = Curb Stop  
DDGV = Double Disk Gate Valve  
DSCV = Double Disc Swing Check Valve  
GVG = Gate Valve Geared  
GVW = Gate Valve Wheeled  
PLGV = Plug Valve  
PRV = Pressure Reducing Valve  
RSGV = Resilient Seat Gate Valve  
SCV = Swing Check Valve  
SDV = Self Draining Standpipe  
SWGCV = Solid Wedge Gate Valve  
UNKNOWN = Unknown

## MFG\_NAME

### Manufacture Name

APCO = APCO  
AVK = AVK Group  
CLOW = Clow  
DARLIN = Darling  
JENKNS = Jenkins  
KENNED = Kennedy  
MCAVIT = McAvity  
MUELLR = Mueller  
TERMIN = Terminal City  
TOYO = Toyo

## DIA

Valve Diameter Size  
200 = Sample value (mm)

## STATUS

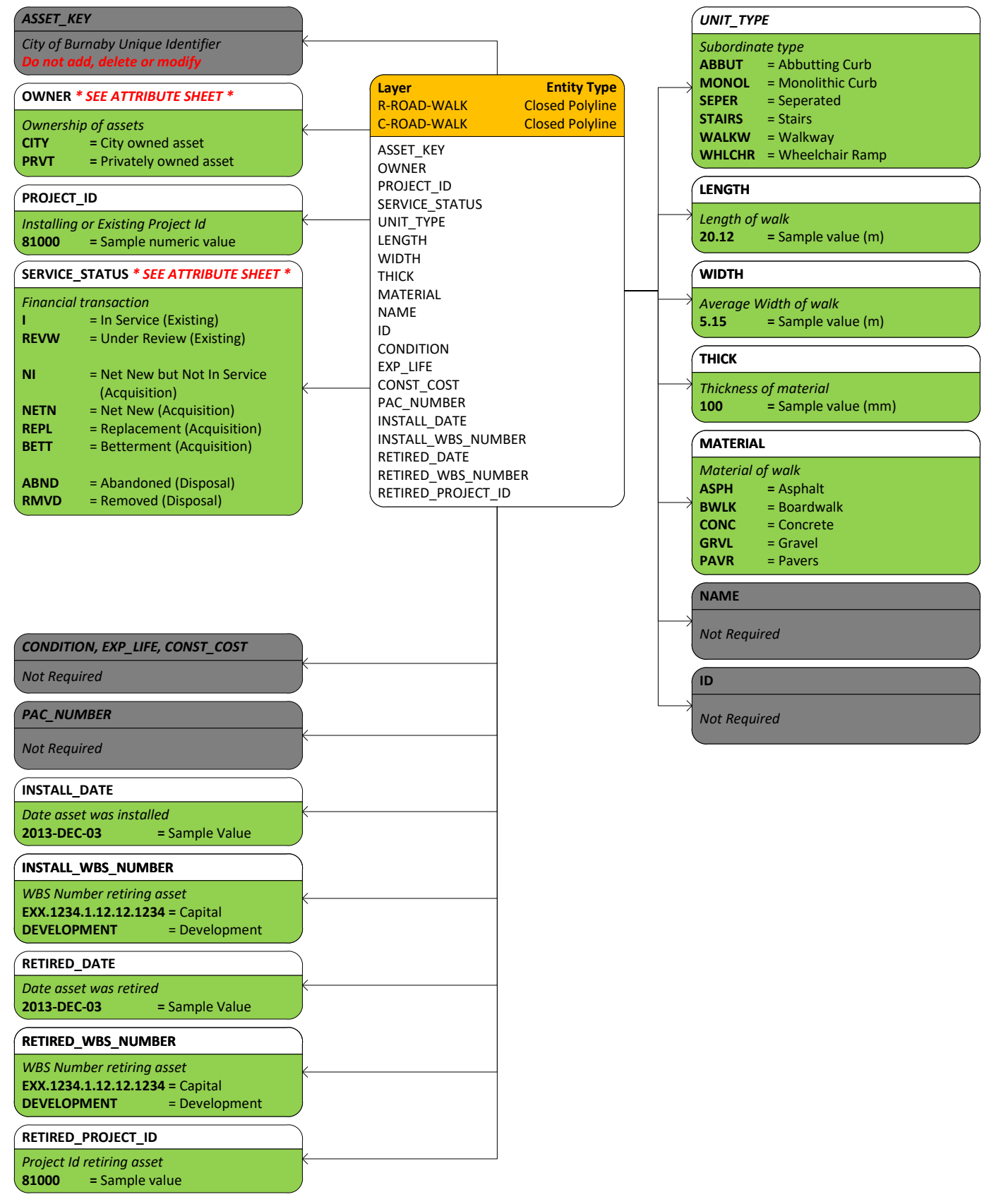
Valve Status  
C = Closed  
O = Open  
P = Partial Closure



# Object Data Table – WALK (ROAD-WALK)



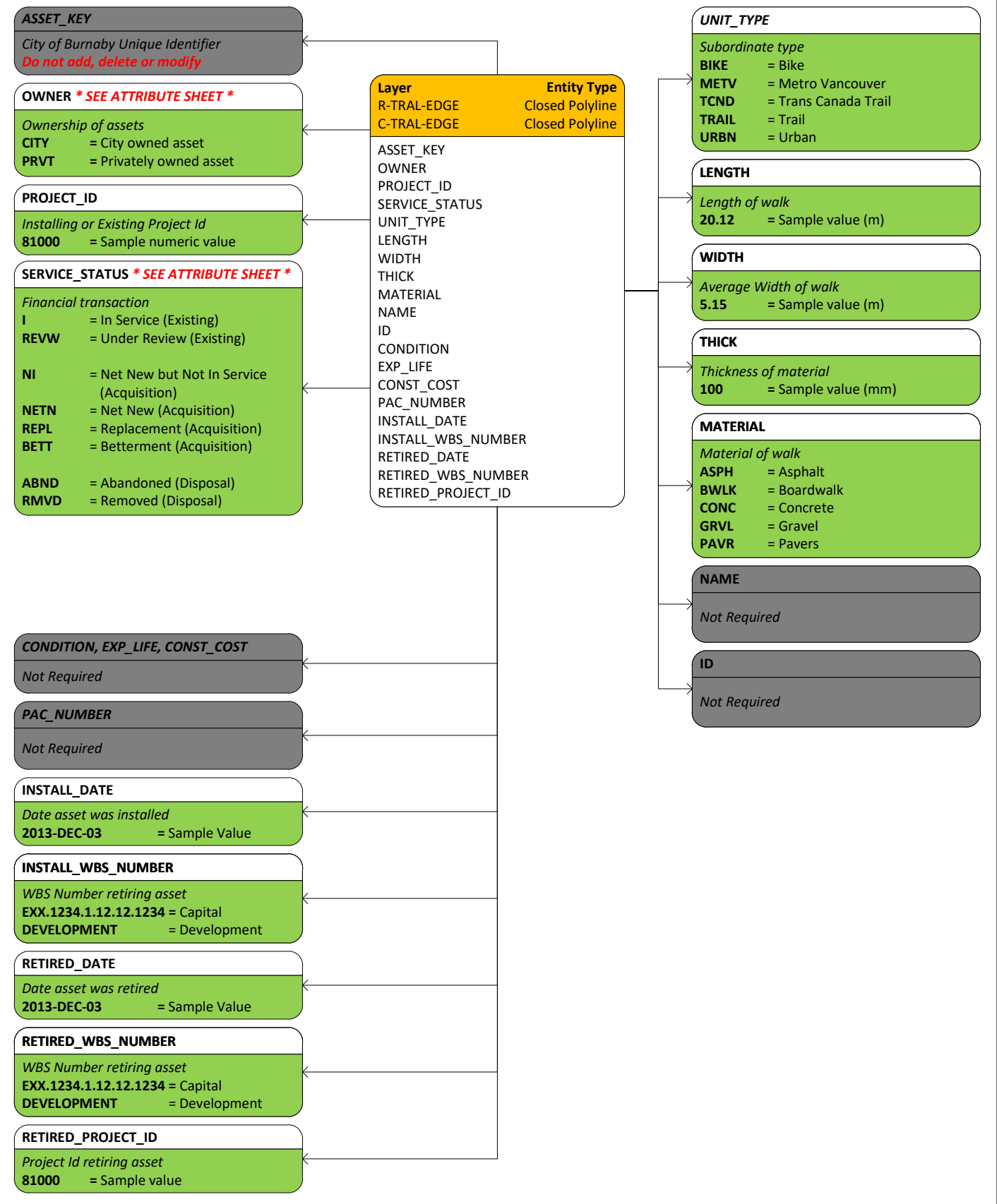
SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022



# Object Data Table – WALK (TRAIL-EDGE)



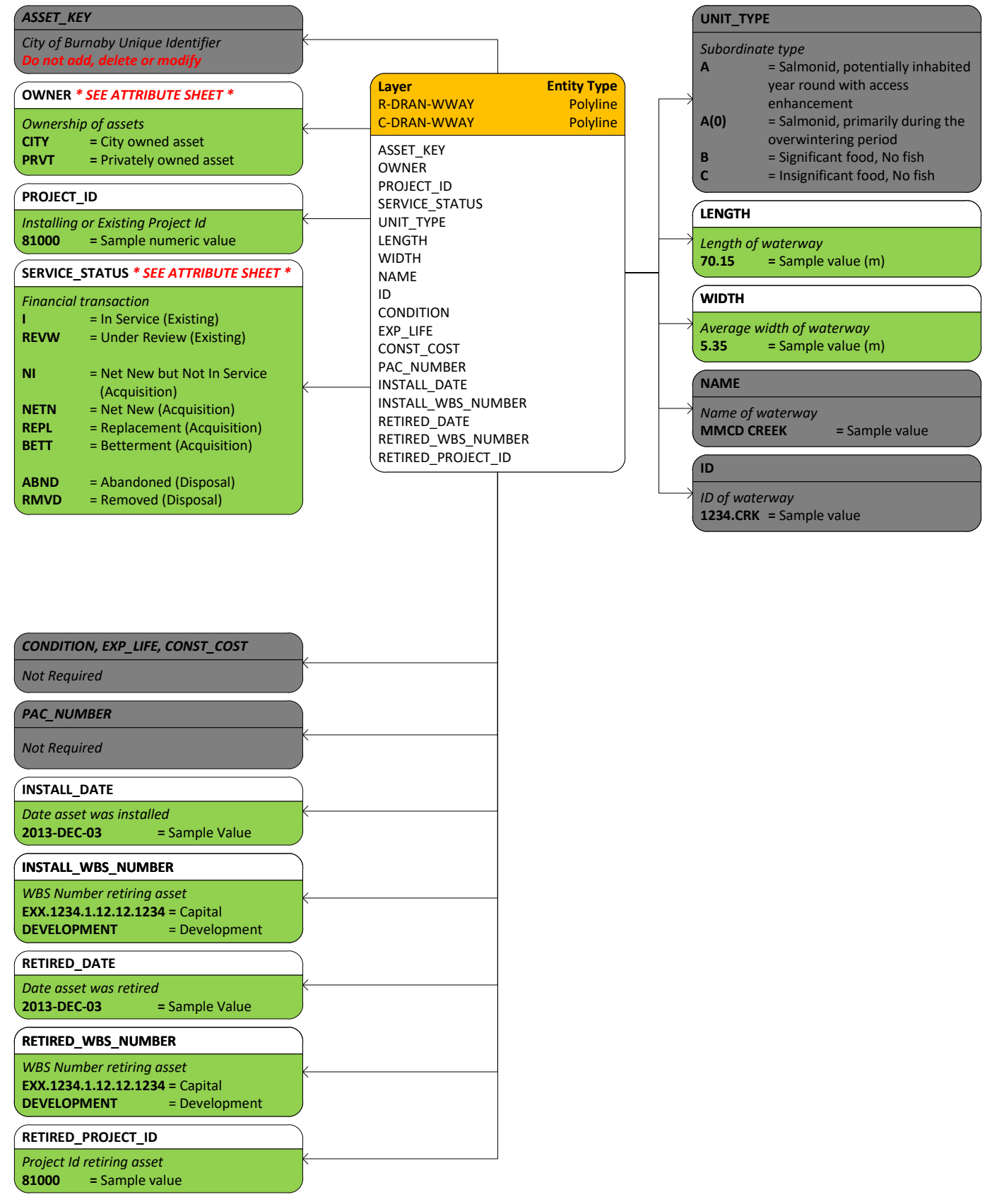
SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022



# Object Data Table – WWAY (Waterway)



SUBJECT:	CAD/C3D Object to Object Data Table & Field Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022



# AutoCAD Layer's without Object Data



SUBJECT:	Expanded AutoCAD Layers List, Attribute Values and Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022

[ ]-TCOM-PIPE	= Telecommunication Pipe (conduit)
[ ]-TCOM-STRC	= Telecommunication Structure (junction box)
[ ]-ROAD-MRKG	= Road Paint/Marking
[ ]-ROAD-SIGN	= Road Signage



# Attribute – (OWNER, SERVICE\_STATUS)

SUBJECT:	Expanded AutoCAD Layers List, Attribute Values and Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022

Layer	Entity Type
.	.
..	..
...	...
OWNER	
SERVICE_STATUS	
...	
..	
.	

OWNER	
<i>Ownership of assets</i>	
BDT	= Burnaby Or Development Tree
BFAC	= Burnaby Facility
BINF	= Burnaby Infrastructure
BPUR	= Burnaby Purchasing
CITY	= City Of Burnaby
CMED	= C Media Outdoors
COQ	= Coquitlam
FIRE	= Burnaby Fire Department
GVRD	= Gvrd Owned
HYDR	= BC Hydro
LIB	= Burnaby Library
MOT	= Ministry Of Transportation
NLBA	= No Longer Burnaby Client
NPP	= Native Or Public Planted
NW	= New Westminster
PARK	= Parks
POMO	= Port Moody
PRVT	= Private
RICH	= Richmond
SCHL	= School Board
SFU	= Simon Fraser University
TRNL	= Translink
VAN	= Vancouver

SERVICE_STATUS	
<i>Financial transaction</i>	
ABND	= Abandoned (Disposal)
AUCT	= Auctioned
BETT	= Betterment (Acquisition)
CXRD	= Complex Road Segment
D	= Decommissioned
DRMV	= Duplicate Removed
FLAT	= Meter On Flat Rate
GISX	= GIS Expired
I	= In Service
ISLT	= In Service Long Term
ISSP	= In Service Special Use
ISST	= In Service Short Term
LOST	= Lost
MOD	= Asset Changed New Construction
NETN	= Net New (Acquisition)
NI	= Not In Use
NLBC	= No Longer Burnaby Client
NS	= No Service
O	= Out Of Service
PDEM	= Vacant Pending Demolition
PEND	= Pending
REPL	= Replacement (Acquisition)
RE VW	= Under Review
RMVD	= Removed (Disposal)
RNAM	= Renamed
SAPM	= Now In SAP
SCR P	= Scrapped
SPLT	= Split Mainline
SS	= Substandard Service
STLN	= Stolen
STOK	= In Stock
T	= Temporarily Out Of Service
U	= Not Constructed/Undeveloped
VAC	= Vacant
VACL	= Vacant Long Term

# Attribute – ILLM (UNIT\_TYPE, POLE\_COLOUR)



SUBJECT:	Expanded AutoCAD Layers List, Attribute Values and Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022

Layer	Entity Type
R-ILLM-STRC	Block
C-ILLM-STRC	Block

ASSET_KEY
OWNER
PROJECT_ID
SERVICE_STATUS
UNIT_TYPE
MFG_NAME
POLE_OFFSET
POLE_SHAPE
POLE_HEIGHT
POLE_COLOUR
PAINT_TYPE
LUM1_BAL
LUM1_WATT
LUM1_TYPE
LUM2_BAL
LUM2_WATT
LUM2_TYPE
LUM3_BAL
LUM3_WATT
LUM3_TYPE
ROTATION
CONDITION
EXP_LIFE
CONST_COST
PAC_NUMBER
INSTALL_DATE
INSTALL_WBS_NUMBER
RETIRED_DATE
RETIRED_WBS_NUMBER
RETIRED_PROJECT_ID

UNIT_TYPE
<i>Subordinate type</i>
LIGHTF = Light Sportsfield
LIGHTL = Light Parking Lot
LIGHTP = Light Park
LS = Lamp Standard Single Head
LS2 = Lamp Standard Double Head
LS3 = Lamp Standard Triple Head
LSDECO = Decorative Light
LSDR = L.W.Duplex Receptacle
LSOH = Lit Overhead Crossing
LSOHS = Lit Overhead Crossing Special
LSPC = Lampstand With Photocel
LSPD = Pedestrian Light
LSPED = Lamp Standard & Pedestrian Lgt
LSPP = Lamp Standard Power Pole
LSSBPC = LS Servicebase.Photocel
LSSPCL = Special Light Type
LSTS = Lamp Standard Traffic Signal
OH = Overhead Crossing
OHS = Overhead Crossing Special
PED = Pedestrian Street Light
SRVPNL = Service Panel

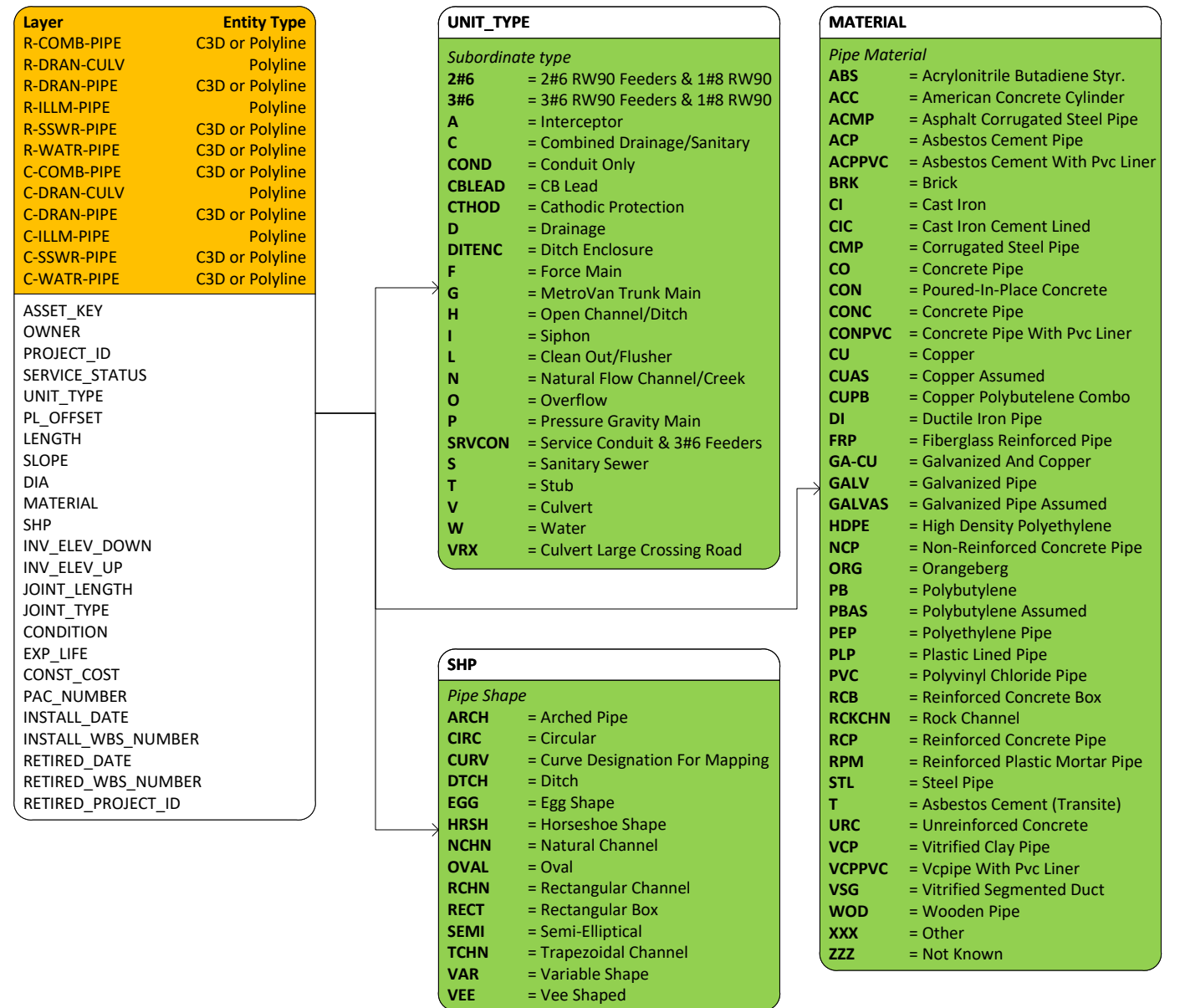
  

POLE_COLOUR
<i>Pole Colour</i>
BLACK = Black
BLUE = Blue
BRONZE = Bronze
CHARCOAL = Charcoal
GALVAN = Galvanized
GREEN = Green
GREY = Grey
ORANGE = Orange
RED = Red
RED/BL = Red/Blue
RED/GR = Red/Green
RED/YEL = Red/Yellow
SILVER = Silver
WHI/BL = White/Blue
WHI/GR = White/Green
WHI/GR/R = White/Green/Red
WHI/RED = White/Red
WHITE = White
YELLOW = Yellow

# Attribute – PIPE (UNIT\_TYPE, SHP, MATERIAL )



SUBJECT:	Expanded AutoCAD Layers List, Attribute Values and Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022



# Attribute – SRVC (UNIT\_TYPE, SERVICE\_TYPE, MATERIAL)



SUBJECT:	Expanded AutoCAD Layers List, Attribute Values and Descriptions
SOURCE:	MMCD
REVISION DATE:	February 2, 2022

Layer	Entity Type
R-COMB-SRVC	Polyline
R-DRAIN-CBAS-LEAD	Polyline
R-DRAIN-SRVC	Polyline
R-SSWR-SRVC	Polyline
R-WATR-HYDR-LEAD	Polyline
R-WATR-SRVC	Polyline
C-COMB-SRVC	Polyline
C-DRAIN-CBAS-LEAD	Polyline
C-DRAIN-SRVC	Polyline
C-SSWR-SRVC	Polyline
C-WATR-HYDR-LEAD	Polyline
C-WATR-SRVC	Polyline

ASSET\_KEY  
OWNER  
PROJECT\_ID  
SERVICE\_STATUS  
UNIT\_TYPE  
SERVICE\_TYPE  
BACKFLOW\_PREVENTOR  
INSPECT\_CHAMBER  
PL\_OFFSET  
PL\_DEPTH  
LENGTH  
DIA  
MATERIAL  
TAP\_FITTING\_MAIN  
TAP\_DISTFROM  
TAP\_DIRFLOW  
CONDITION  
EXP\_LIFE  
CONST\_COST  
PAC\_NUMBER  
INSTALL\_DATE  
INSTALL\_WBS\_NUMBER  
RETIRED\_DATE  
RETIRED\_WBS\_NUMBER

UNIT_TYPE
<i>Subordinate type</i>
CMB-D = Combined Future Storm
CMB-S = Combined Future Sanitary
CMB-UD = Combined - Used For Drainage
D = Drainage
IRRVL = Irrigation Vault
LPSFM = Low Pressure San Forcemain
S = Sanitary
W = Water
WQ_D = Water Quality Test - Standpipe
WQ_K = Water Quality Test - Kiosk
WQ_S = Water Quality Test - Service

SERVICE_TYPE
<i>Service Type</i>
COM = Combined Service
D = Service To Culvert
DOM = Domestic Service
FRE = Fire Service
IRR = Irrigation
NS = No Service
NSEP = No Service - Septic
SLCO = Service Line To Clean Out
SLPH = Service Line Place Holder
SS = Sub Standard Service
STCM = Service To Combined Main
STIS = Service Intersects Service
STWW = Service To Waterway
TCB = Service To Catch Basin

TAP_FITTING_MAIN
<i>Tap Fitting at Main for Service Line</i>
HUB =
INTO CB =
INTO CBLEAD =
INTO CO =
INTO CULV =
INTO MH =
INTO SUMP =
SADDLE =
TEE =
WYE =

MATERIAL
<i>Pipe Material</i>
ABS = Acrylonitrile Butadiene Styrene
ACC = American Concrete Cylinder
ACMP = Asphalt Corrugated Steel Pipe
ACP = Asbestos Cement Pipe
ACPPVC = Asbestos Cement With Pvc Liner
BRK = Brick
CI = Cast Iron
CIC = Cast Iron Cement Lined
CMP = Corrugated Steel Pipe
CO = Concrete Pipe
CON = Poured-In-Place Concrete
CONC = Concrete Pipe
CONPVC = Concrete Pipe With Pvc Liner
CU = Copper
CUAS = Copper Assumed
CUPB = Copper Polybutylene Combo
DI = Ductile Iron Pipe
FRP = Fiberglass Reinforced Pipe
GA-CU = Galvanized And Copper
GALV = Galvanized Pipe
GALVAS = Galvanized Pipe Assumed
HDPE = High Density Polyethylene
NCP = Non-Reinforced Concrete Pipe
ORG = Orangeburg
PB = Polybutylene
PBAS = Polybutylene Assumed
PEP = Polyethylene Pipe
PLP = Plastic Lined Pipe
PVC = Polyvinyl Chloride Pipe
RCB = Reinforced Concrete Box
RCKCHN = Rock Channel
RCP = Reinforced Concrete Pipe
RPM = Reinforced Plastic Mortar Pipe
STL = Steel Pipe
T = Asbestos Cement (Transite)
URC = Unreinforced Concrete
VCP = Vitrified Clay Pipe
VCPVPC = Vcpipe With Pvc Liner
VSG = Vitrified Segmented Duct
WOD = Wooden Pipe
XXX = Other
ZZZ = Not Known

PL_OFFSET
<i>Service line perpendicular offset to nearest property line</i>
1.5m E of W PL = Sample value

PL_DEPTH
<i>Depth to Service from finished ground at ROW Property Line</i>
1.4 = Sample value (m)

