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| Physical Data Model  GeoBC Atlas  Sites & Addressing  (GBA-SITES)  2017-Feb-20 10:21:00Paul Austin |

Table of Contents

1 Physical Diagrams 3

2 Table Definitions 4

2.1 SITE\_POINT 4

2.2 COMMUNITY\_POLY 7

2.3 FEATURE\_STATUS\_CODE 8

2.3.1 Codes 8

2.4 SITE\_LOCATION\_CODE 9

2.4.1 Codes 9

2.5 SITE\_TYPE\_CODE 10

2.5.1 Codes 10

# Physical Diagrams



# Table Definitions

## SITE\_POINT

The spatial layer SITE POINT is a non multi-part point feature that represents the point location of a geographic site. Sites can be nested using the PARENT SITE ID.

| **Name** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| SITE\_ID | NUMBER(10) | True | The SITE ID is a unique identifier for the SITE\_POINT. This will not change unless the site is deleted and replaced with a new site. |
| PARENT\_SITE\_ID | NUMBER(10) | False | The PARENT\_SITE\_ID is the SITE\_ID of the parent site. For example; a unit within a strata complex would have a parent site for the whole strata complex. |
| FULL\_ADDRESS | VARCHAR2(350) | True | The FULL ADDRESS is the full address of this site including the UNIT DESCRIPTOR, CIVIC NUMBER, [STREET\_NAME\_ID.FULL\_NAME] and any FULL ADDRESS from the parent. It does not include the city, province and postal code. |
| SITE\_TYPE\_CODE | VARCHAR2(7) | False | The SITE TYPE CODE is a unique code that indicates the type of site. For example; AIR\_HLI=Air Heliport, AMB\_STN=Ambulance Station, COM\_IND=Commercial Industrial, PRL\_MNI=Park Municipal, RES\_SFH=Residential Single Family, TRL\_TRH=Trail Head. |
| SITE\_LOCATION\_CODE | VARCHAR2(1) | True | The SITE LOCATION CODE is a unique code that indicates the conceptual location of the point geometry in relation to the site. For example; A=Access, B=Back Door, F=Front Door, P=Parcel, R=Rooftop. |
| TRANSPORT\_LINE\_ID | NUMBER(10) | False | The TRANSPORT LINE ID is a unique surrogate identifier for the object TRANSPORT LINE that the UNIT DESCRIPTOR or CIVIC NUMBER is used for the house number ranges. Allowed only if USE IN ADDRESS RANGE IND=Y. |
| LOCALITY\_ID | NUMBER(5) | True | The LOCALITY ID is a unique surrogate identifier for the object LOCALITY POLY. |
| REGIONAL\_DISTRICT\_ID | VARCHAR2(5) | True | The REGIONAL DISTRICT ID is a unique surrogate identifier for the object REGIONALDISTRICT POLY. |
| COMMUNITY\_ID | NUMBER(10) | False | The COMMUNITY ID is a unique surrogate identifier for the object COMMUNITY POLY. |
| UNIT\_DESCRIPTOR | VARCHAR2(255) | False | The UNIT DESCRIPTOR is a single unit number of an apartment or unit in a multi-tenant site. It can also be a list of units separated by a comma (e.g. 1,2) or a range separated by a ~ (e.g. 1~10, A~F). |
| CIVIC\_NUMBER | NUMBER(10) | False | The CIVIC NUMBER is the numeric street address given to a house, building or lot. |
| CIVIC\_NUMBER\_SUFFIX | VARCHAR2(10) | False | The CIVIC NUMBER SUFFIX is a suffix applied to the CIVIC NUMBER. For example; A, B, or 1/2. |
| CIVIC\_NUMBER\_RANGE | VARCHAR2(50) | False | The Civic Number Range is used where the site represents a range of Civic Numbers. For example; 1000~1002. |
| STREET\_NAME\_ID | NUMBER(10) | False | The STREET NAME ID is the identifier STRUCTURED NAME that is the primary street name used for the addressing of this site. |
| STREET\_NAME\_ALIAS\_1\_ID | NUMBER(10) | False | The STREET NAME ALIAS 1 ID is the identifier STRUCTURED NAME that is the first alias street name used for the addressing of this site. |
| ADDRESS\_COMMENT | VARCHAR2(4000) | False | The ADDRESS COMMENT is a free form field to provide an additional comment about the addressing on the site. This should only be used if there is something odd about the addressing. |
| USE\_IN\_ADDRESS\_RANGE\_IND | VARCHAR2(1) | True | The USE IN ADDRESS RANGE IND is the true (Y), false (N) indicator that the CIVIC NUMBER or UNIT DESCRIPTOR should be used in the house number range for a TRANSPORT LINE. |
| FEATURE\_STATUS\_CODE | VARCHAR2(1) | True | The FEATURE STATUS CODE is a unique code that indicates the status of a spatial feature (record). For example; A=Active, P=Planned, R=Retired. |
| EMERGENCY\_MANAGEMENT\_SITE\_IND | VARCHAR2(1) | True | The EMERGENCY MANAGEMENT SITE IND is the true (Y), false (N) indicator that the site is to be included in the emergency management site export. |
| USE\_SITE\_NAME\_IN\_ADDRESS\_IND | VARCHAR2(1) | True | The USE\_SITE\_NAME\_IN\_ADDRESS\_IND is the true (Y), false (N) indicator that the SITE NAME 1 is to be used in the FULL ADDRESS. For example; this could be to include a building name. |
| SITE\_NAME\_1 | VARCHAR2(100) | False | The SITE NAME 1 is the first name for the site. For example; a building name or police station name. |
| SITE\_NAME\_2 | VARCHAR2(100) | False | The SITE NAME 2 is the second name for the site. |
| SITE\_NAME\_3 | VARCHAR2(100) | False | The SITE NAME 3 is the third name for the site. |
| CREATE\_PARTNER\_ORG\_ID | NUMBER(5) | True | The PARTNER ORGANIZATION ID is a unique surrogate identifier for the object PARTNER ORGANIZATION. |
| MODIFY\_PARTNER\_ORG\_ID | NUMBER(5) | True | The PARTNER ORGANIZATION ID is a unique surrogate identifier for the object PARTNER ORGANIZATION. |
| CUSTODIAN\_PARTNER\_ORG\_ID | NUMBER(5) | False | The PARTNER ORGANIZATION ID is a unique surrogate identifier for the object PARTNER ORGANIZATION. |
| OPEN\_DATA\_IND | VARCHAR2(1) | True | The OPEN DATA IND is the true (Y), false (N) indicator that the provider for the site provides the data under an open data license. |
| CAPTURE\_DATE | TIMESTAMP(6) | False | The CAPTURE DATE is the date the geometry was originally captured in the field (e.g. GPS date). |
| EXTENDED\_DATA | VARCHAR2(4000) | False | The EXTENDED DATA is a JSON encoded object or key=value pairs for any additional data describing the site. This provides an extension mechanism for the model. |
| EXCLUDED\_RULES | VARCHAR2(4000) | False | The EXCLUDED RULES is the list of rules and parameters for those rules that are excluded for this record. This allows overriding rules in specific cases. |
| CUSTODIAN\_SESSION\_ID | NUMBER(10) | False | The CUSTODIAN SESSION ID is the identifier of the INTEGRATION\_SESSION\_POLY where the custodian last modified the site fields. |
| DATA\_CAPTURE\_METHOD\_CODE | VARCHAR2(30) | True | The DATA CAPTURE METHOD CODE is a code that indicates the method used to capture the geometry of the feature. For example photogrammetric=Photogrammetric, differentialGPS=Differential GPS, coordinateGeometryWithControl=Coordinate Geometry With Control, orthoPhotography=Ortho Photography, monoRestitution=Mono Restitution, satelliteImagery=Satellite Imagery, tabletDigitizing=Tablet Digitizing, scanning=Scanning, sketchMap=Sketch Map, nondifferentialGPS=Non-differential GPS, rubberSheeting=Rubber Sheeting, unknown=Unknown, geodeticSurvey=Geodetic Survey, tightChainTraverse=Tight Chain Traverse, variable=Variable, cadastre=Cadastre. |
| GEOMETRY | MDSYS.SDO\_GEOMETRY | True | The GEOMETRY is the spatial point location of the feature. |
| CREATE\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | CREATE\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was first created. |
| MODIFY\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | MODIFY\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was last modified. |

## COMMUNITY\_POLY

The spatial layer COMMUNITY POLY is a multi-part polygon feature that represents the boundaries of the communities within localities (e.g. Langford, Westlynn). These are used for an alternate name from the LOCALITY POLY for a SITE POINT.

| **Name** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| COMMUNITY\_ID | NUMBER(10) | True | The COMMUNITY POLY ID is a unique surrogate identifier for the object COMMUNITY POLY. |
| NAME | VARCHAR2(50) | True | The NAME is the name of a COMMUNITY POLY (e.g. Langford, Westlynn). |
| GEOMETRY | MDSYS.SDO\_GEOMETRY | True | The GEOMETRY is the Oracle SDO\_GEOMETRY containing the spatial multi-polygon location of the feature. |
| CREATE\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | CREATE\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was first created. |
| MODIFY\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | MODIFY\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was last modified. |

## FEATURE\_STATUS\_CODE

The FEATURE STATUS CODE is a code that indicates the status of a spatial feature (record). For example; A=Active, P=Planned, R=Retired.

| **Name** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| FEATURE\_STATUS\_CODE | VARCHAR2(1) | True | The FEATURE STATUS CODE is a code that indicates the status of a spatial feature (record). For example; A=Active, P=Planned, R=Retired. |
| DESCRIPTION | VARCHAR2(30) | True | DESCRIPTION is the display quality description of the code value. |
| CREATE\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | CREATE\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was first created. |
| MODIFY\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | MODIFY\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was last modified. |

### Codes

|  |  |
| --- | --- |
| SITE\_LOCATION\_CODE | DESCRIPTION |
| A | Access |
| B | Back Door |
| F | Front Door |
| P | Parcel |
| R | Rooftop |
| V | Virtual |

## SITE\_LOCATION\_CODE

The SITE LOCATION CODE is a code that indicates the conceptual location of the point geometry in relation to the site. For example; A=Access, B=Back Door, F=Front Door, P=Parcel, R=Rooftop.

| **Name** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| SITE\_LOCATION\_CODE | VARCHAR2(1) | True | The SITE LOCATION CODE is a code that indicates the conceptual location of the point geometry in relation to the site. For example; A=Access, B=Back Door, F=Front Door, P=Parcel, R=Rooftop. |
| DESCRIPTION | VARCHAR2(30) | True | DESCRIPTION is the display quality description of the code value. |
| CREATE\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | CREATE\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was first created. |
| MODIFY\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | MODIFY\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was last modified. |

### Codes

|  |  |
| --- | --- |
| FEATURE\_STATUS\_CODE | DESCRIPTION |
| A | Active |
| P | Planned |
| R | Retired |

## SITE\_TYPE\_CODE

The SITE TYPE CODE is a code that indicates the type of site. For example; AIR\_HLI=Air Heliport, AMB\_STN=Ambulance Station, COM\_IND=Commercial Industrial, PRL\_MNI=Park Municipal, RES\_SFH=Residential Single Family, TRL\_TRH=Trail Head.

| **Name** | **Type** | **Required** | **Description** |
| --- | --- | --- | --- |
| SITE\_TYPE\_CODE | VARCHAR2(7) | True | The SITE TYPE CODE is a code that indicates the type of site. For example; AIR\_HLI=Air Heliport, AMB\_STN=Ambulance Station, COM\_IND=Commercial Industrial, PRL\_MNI=Park Municipal, RES\_SFH=Residential Single Family, TRL\_TRH=Trail Head. |
| DESCRIPTION | VARCHAR2(30) | True | DESCRIPTION is the display quality description of the code value. |
| CREATE\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | CREATE\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was first created. |
| MODIFY\_INTEGRATION\_SESSION\_ID | NUMBER(10) | True | MODIFY\_INTEGRATION\_SESSION\_ID is the INTEGRATION SESSION POLY where the record was last modified. |

### Codes

| SITE\_TYPE\_CODE | DESCRIPTION |
| --- | --- |
| AIR\_AIR | Air Airport |
| AIR\_HLI | Air Heliport |
| AIR\_WTR | Air Waterdrome |
| AMB\_ARE | Ambulance Airevac |
| AMB\_AMB | Ambulance Ambulance |
| AMB\_CRD | Ambulance Coordination |
| AMB\_DSP | Ambulance Dispatch |
| AMB\_PRV | Ambulance Private |
| AMB\_STN | Ambulance Station |
| AMB\_XCV | Ambulance Xcover |
| CIV\_ANA | Civic Arena |
| CIV\_CHR | Civic Church |
| CIV\_CMH | Civic Community Hall |
| CIV\_FAC | Civic Facility |
| CIV\_GOV | Civic Government |
| CIV\_JST | Civic Justice |
| CIV\_LDF | Civic Landfill |
| CIV\_LIB | Civic Library |
| CIV\_MSQ | Civic Mosque |
| CIV\_MUS | Civic Museum |
| CIV\_PRV | Civic Provincial |
| CIV\_RCY | Civic Recycling |
| CIV\_THR | Civic Theatre |
| CIV\_WTR | Civic Water |
| CST\_STN | Coastguard Station |
| COM\_COM | Commercial Commercial |
| COM\_IND | Commercial Industrial |
| COM\_RET | Commercial Retail |
| COM\_WHS | Commercial Warehouse |
| COR\_PRE | Correctional Pretrial |
| COR\_PRS | Correctional Prison |
| COR\_YTH | Correctional Youth Custody |
| FRM\_BLD | Farm Building |
| FRM\_STB | Farm Stables |
| FIR\_HAL | Fire Hall |
| GOV\_FED | Government Federal |
| GOV\_MNI | Government Municipal |
| GOV\_PRV | Government Provincial |
| HSP\_ADM | Hospital Admin |
| HOS\_AST | Hospital Assisted Living |
| HSP\_CRE | Hospital Care |
| HOS\_CLN | Hospital Clinic |
| HSP\_DIG | Hospital Diagnostic |
| HOS\_EXT | Hospital Extended Care |
| HOS\_HTH | Hospital Health Centre |
| HOS\_HOS | Hospital Hospital |
| HOS\_OTP | Hospital Outpatient |
| HOS\_OUT | Hospital Outpost |
| HOS\_PRV | Hospital Private |
| HOS\_RSH | Hospital Rehab |
| HOS\_RSH | Hospital Research |
| PRK\_BLD | Park Building |
| PRK\_FED | Park Federal |
| PRK\_MNI | Park Municipal |
| PRK\_PRK | Park Park |
| PRK\_PRV | Park Private |
| PRK\_PRV | Park Provincial |
| PRK\_REG | Park Regional |
| POL\_COM | Police Community Station |
| POL\_DET | Police Detachment |
| POL\_FST | Police First Nations |
| POL\_HLI | Police Heliport |
| POL\_HWY | Police Highway Patrol |
| POL\_OCC | Police OCC |
| POL\_SNL | Police Seasonal |
| POL\_STN | Police Station |
| PST\_ACD | PostSec Academy |
| PST\_COL | PostSec College |
| PST\_INS | PostSec Institute |
| PST\_UNI | PostSec University |
| REC\_CTR | Recreation RecCentre |
| REC\_CRL | Recreation Curling |
| REC\_FSH | Recreation Fishing Lodge |
| REC\_GLF | Recreation Golf |
| REC\_LGE | Recreation Lodge |
| REC\_POL | Recreation Pool |
| REC\_REC | Recreation Recreation |
| REC\_SNC | Recreation Scenic |
| REC\_S8P | Recreation Skate Park |
| REC\_SKI | Recreation Ski |
| RES\_CND | Residential Condo |
| RES\_DPX | Residential Duplex |
| RES\_SFH | Residential Single Family |
| RES\_TWR | Residential Tower |
| RES\_TNH | Residential Townhome |
| SCH\_ALT | School Alternate |
| SCH\_ALT | School Alternative |
| SCH\_CNE | School Con Ed |
| SCH\_DOF | School District Office |
| SCH\_ELY | School Early Learning |
| SCH\_IND | School Independent |
| SCH\_LNC | School Learn Centre |
| SCH\_MNT | School Maintenance |
| SCH\_OUT | School Outreach |
| SCH\_PRP | School PRP |
| SCH\_STD | School Standard |
| SCH\_YTH | School Youthcustody |
| TRL\_PDX | Trail Pedestrian Crossing |
| TRL\_TRH | Trail Trailhead |
| TRN\_FRY | Transit Ferry |
| TRN\_GYH | Transit Greyhound |
| TRN\_RAL | Transit Rail |
| TRN\_REG | Transit Regional |
| TRN\_SKY | Transit Skytrain |
| TRN\_TOL | Transit Toll |
| TRN\_WHS | Transit Weigh Scale |
| VRT\_BLF | Virtual Block From |
| VRT\_BLS | Virtual Block Split |
| VRT\_BLT | Virtual Block To |