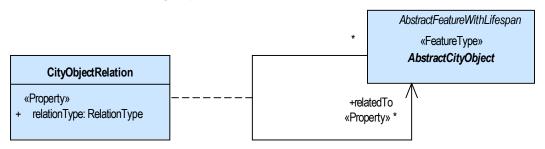
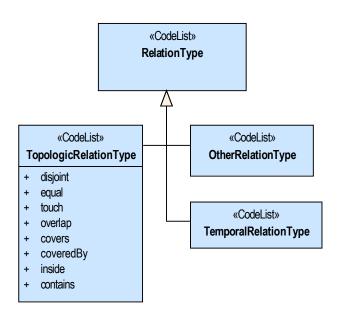
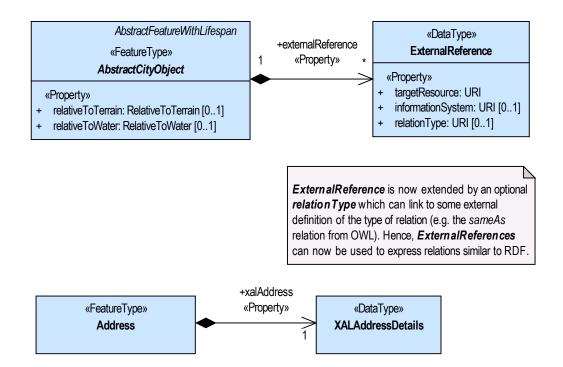


## Core module - City object relations





### Core module - Miscellaneous



### **Core module - Basic Types and Enumerations**

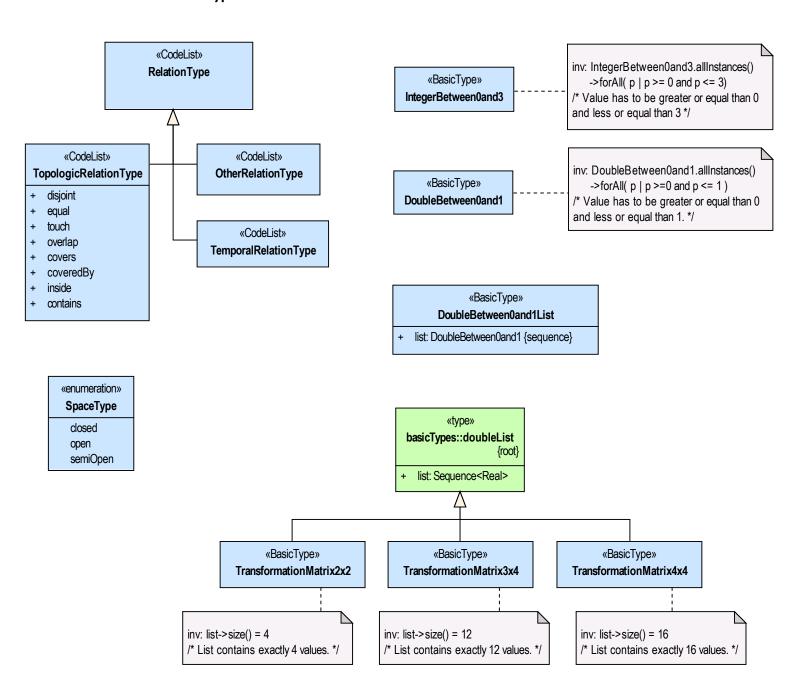
# «enumeration» RelativeToTerrain

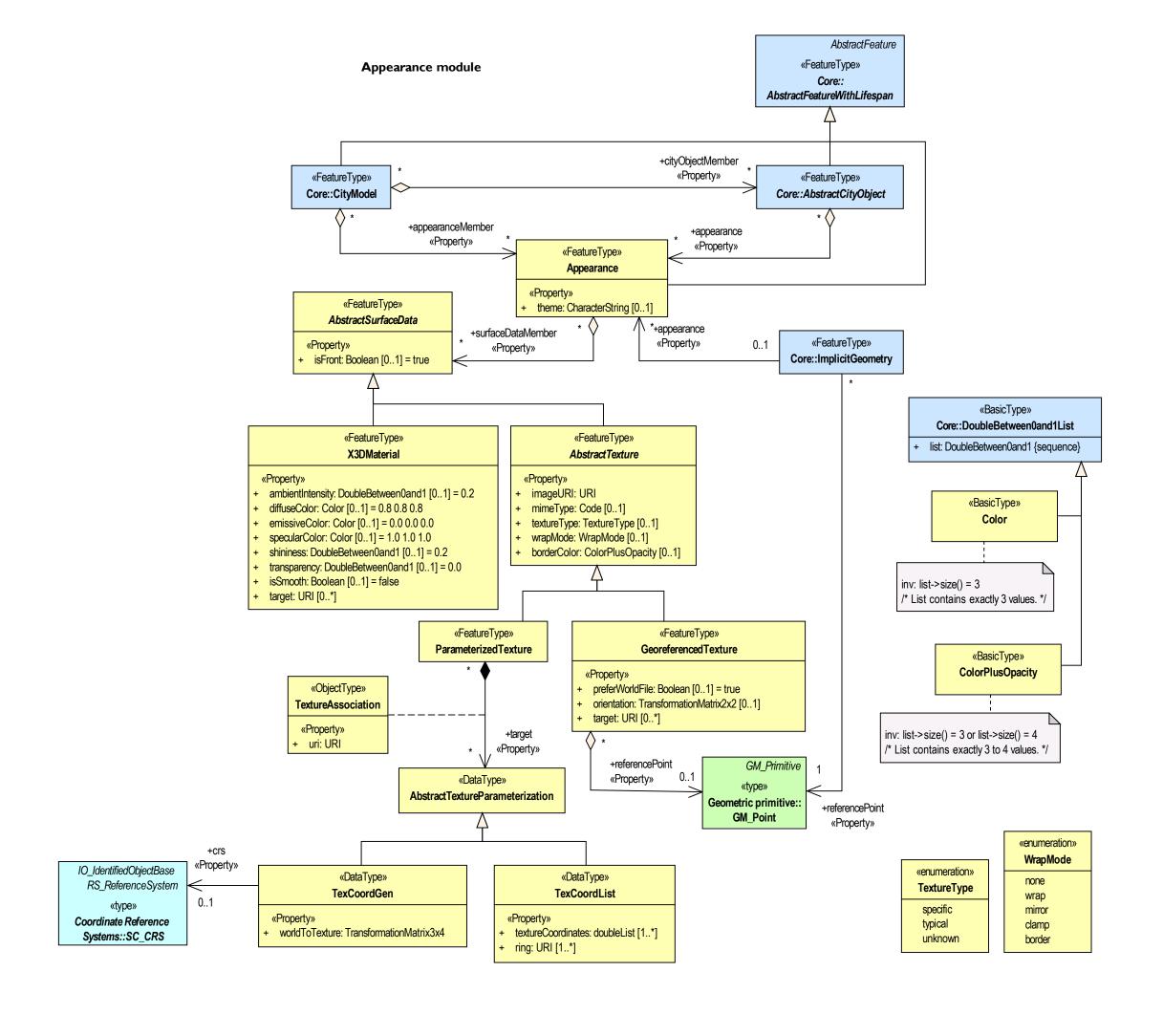
entirelyAboveTerrain substantiallyAboveTerrain substantiallyAboveAndBelowTerrain substantiallyBelowTerrain entirelyBelowTerrain

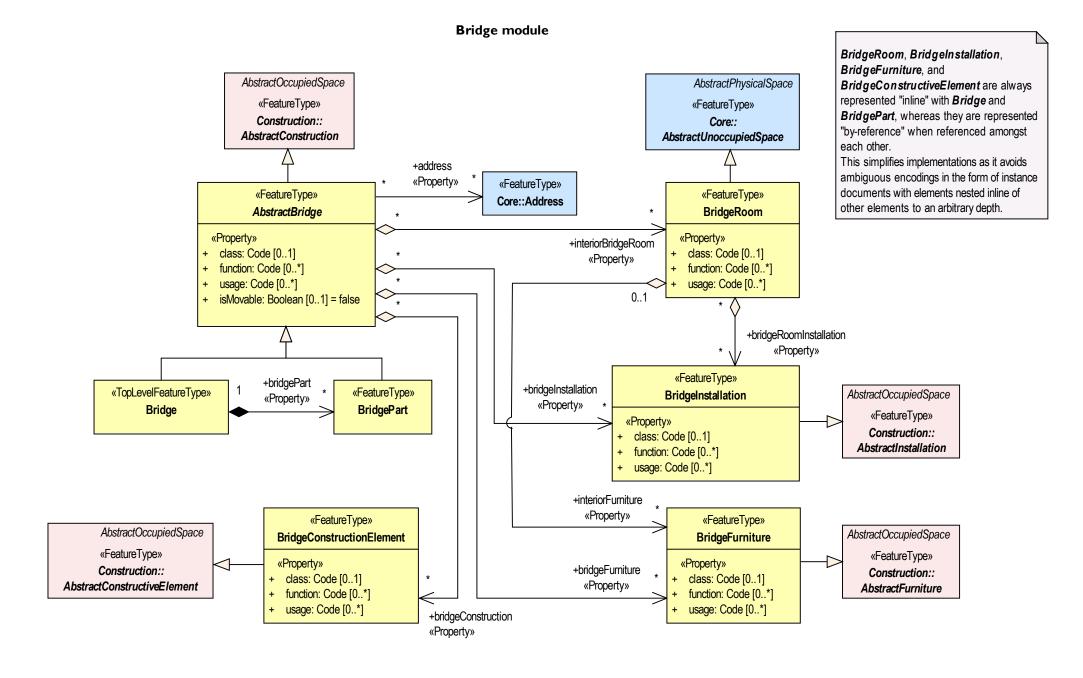
## «enumeration»

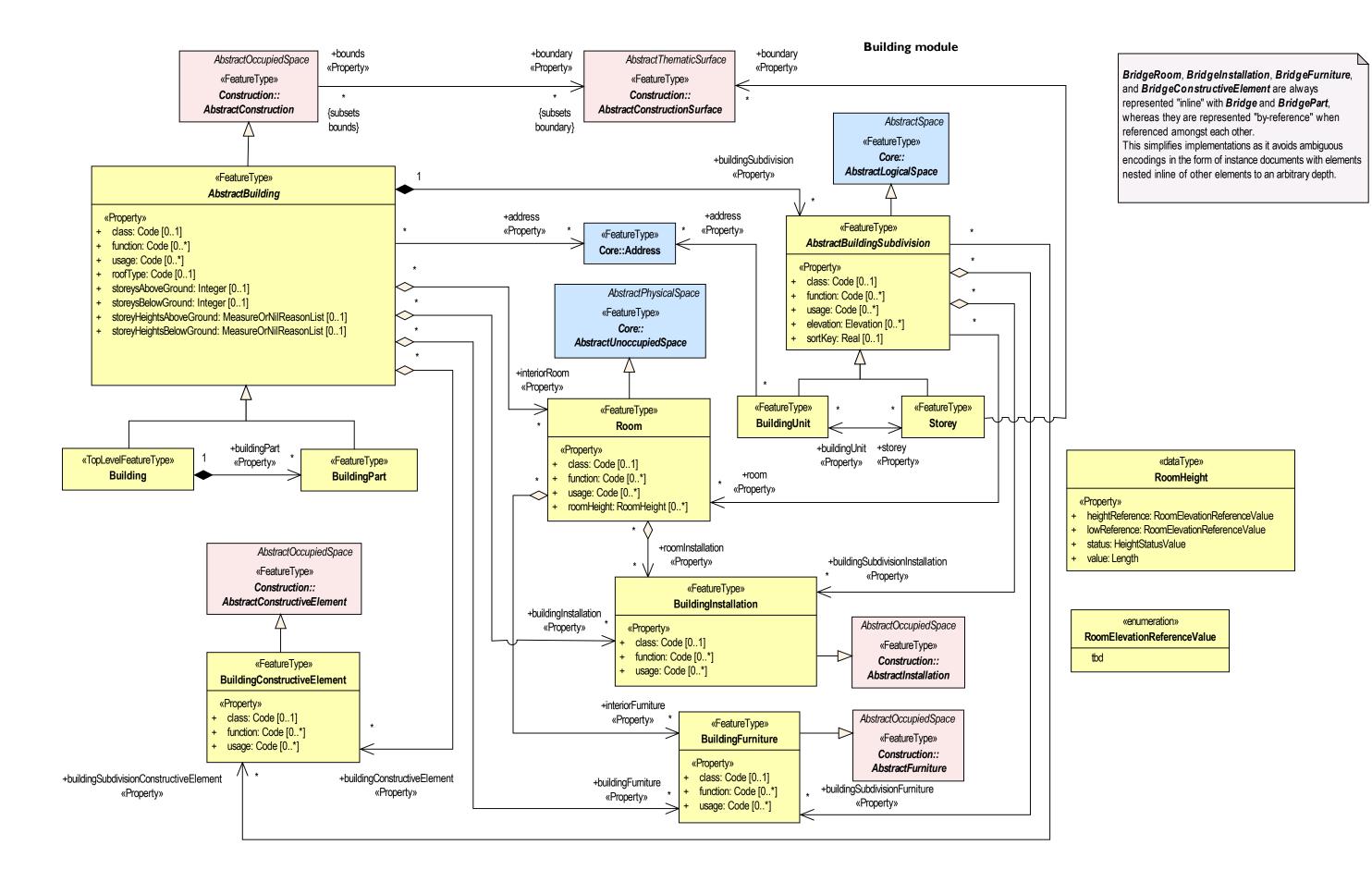
#### RelativeToWater

entirelyAboveWaterSurface substantiallyAboveWaterSurface substantiallyAboveAndBelowWaterSurface substantiallyBelowWaterSurface entirelyBelowWaterSurface temporarilyAboveAndBelowWaterSurface

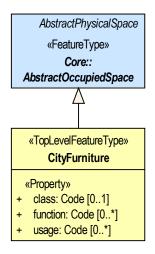




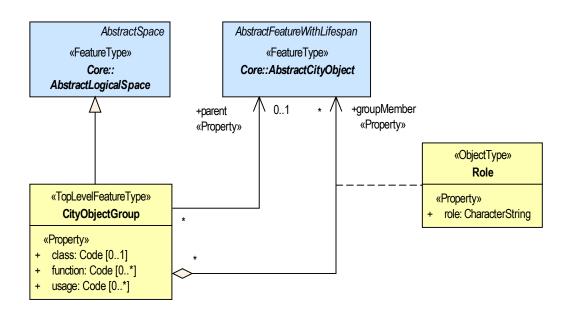


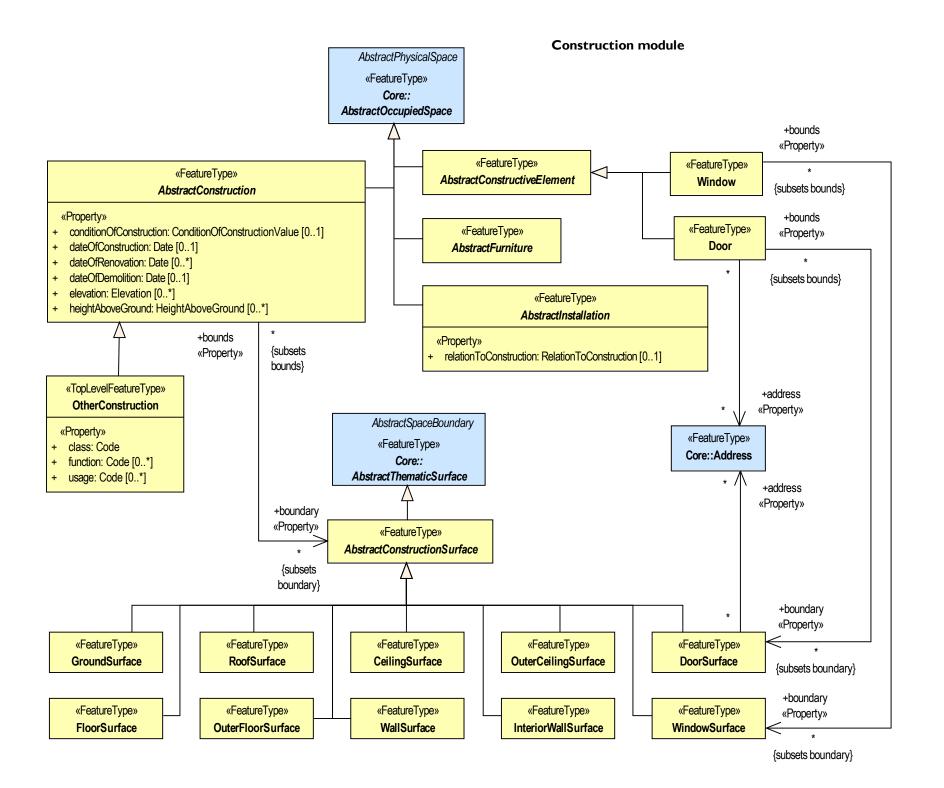


## CityFurniture module



## CityObjectGroup module





### «enumeration»

### ConditionOfConstructionValue

declined demolished functional projected ruin underConstruction

# «enumeration» RelationToConstruction

inside outside bothInsideAndOutside

### «DataType» Elevation

## «Property»

- elevationReference: ElevationReferenceValue
- + elevationValue: DirectPosition

# «DataType» **HeightAboveGround**

#### «Property»

- heightReference: ElevationReferenceValue
- lowReference: ElevationReferenceValue
- status: HeightStatusValue
- value: Length

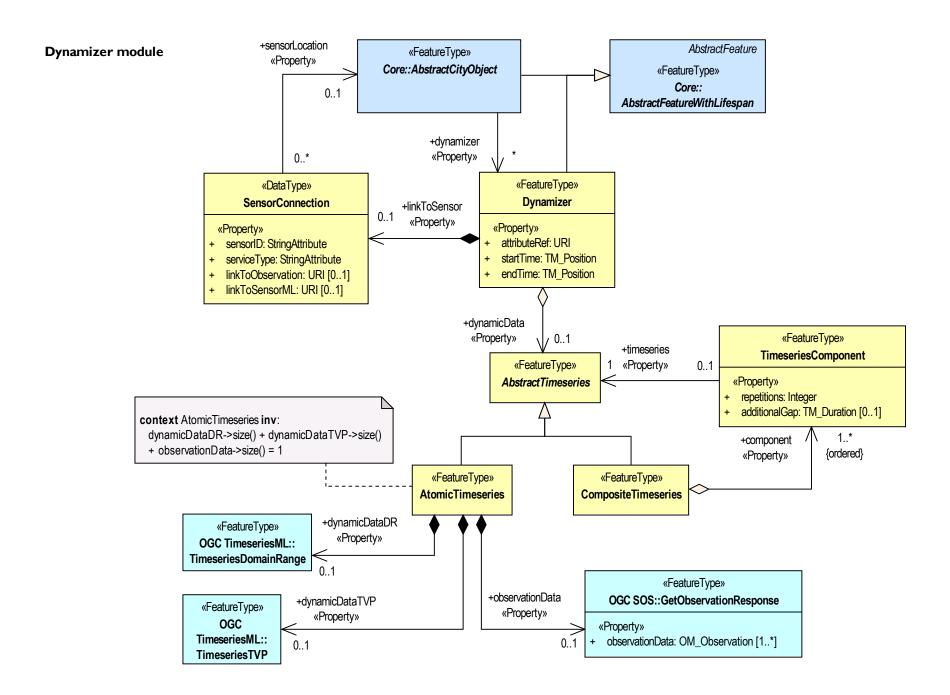
## «enumeration»

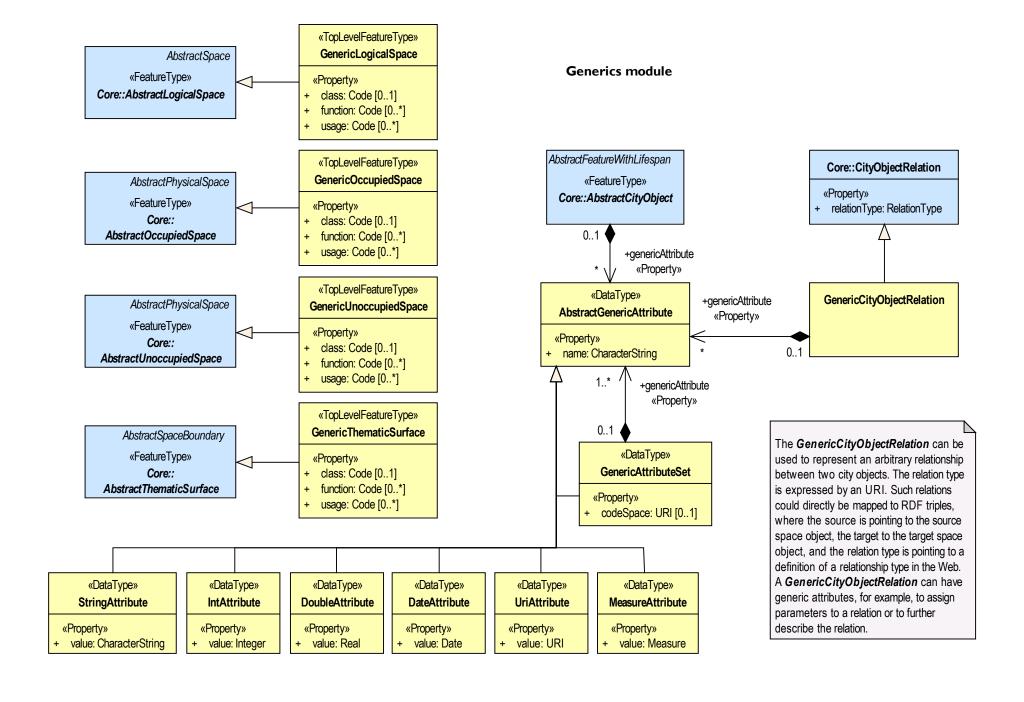
## ElevationReferenceValue

aboveGroundEnvelope bottomOfConstruction entrancePoint generalEave generalGround generalRoof generalRoofEdge highestEave highestGroundPoint highestPoint highestRoofEdge lowestEave lowestFloorAboveGround **lowestGroundPoint** lowestRoofEdge topOfConstruction

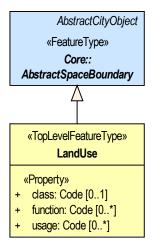
# «enumeration» HeightStatusValue

estimated measured

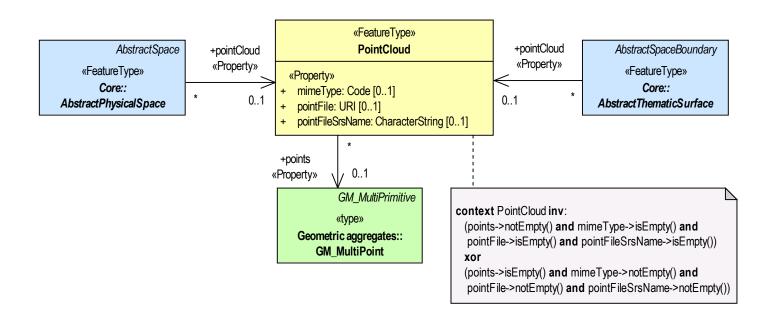


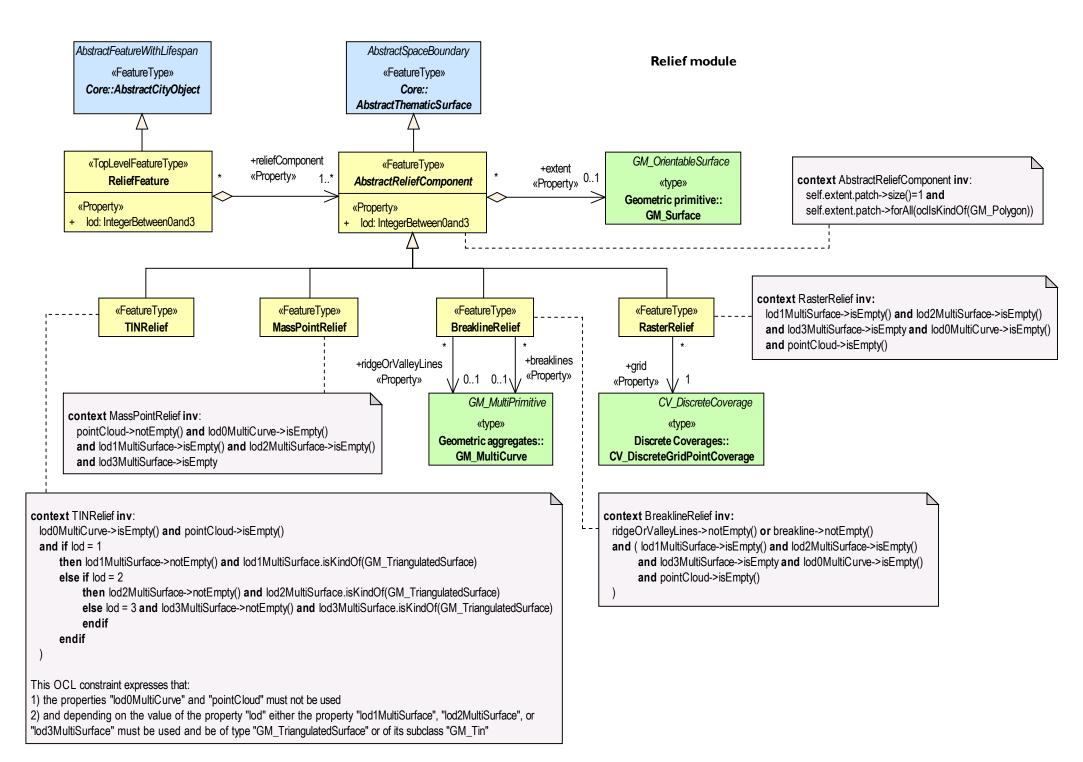


## LandUse module



#### PointCloud module

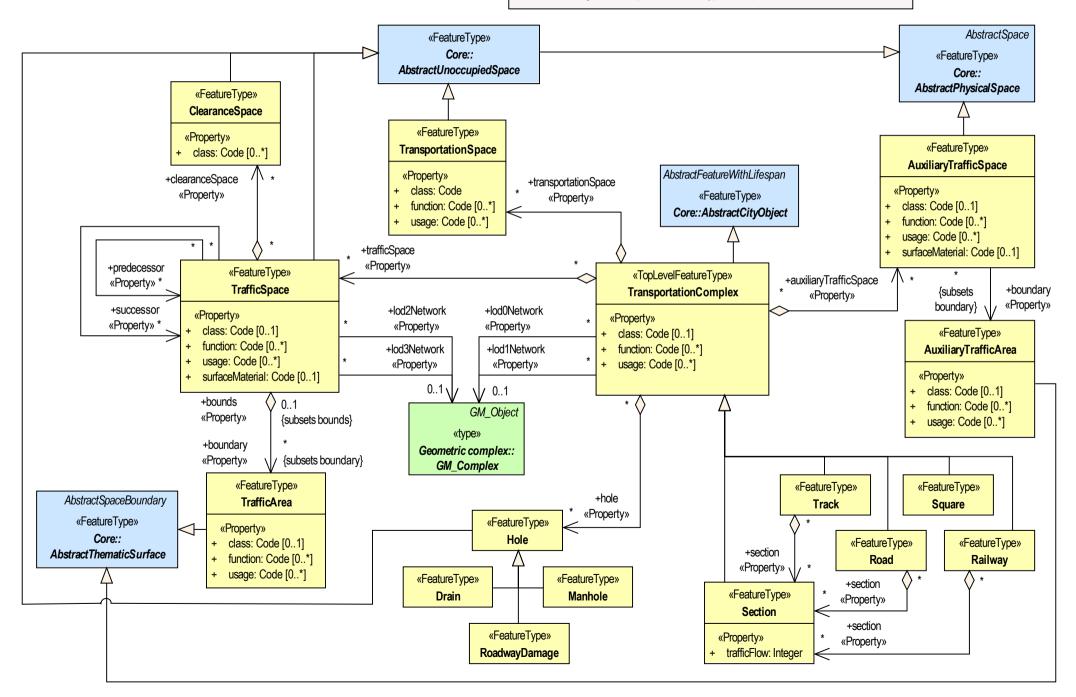




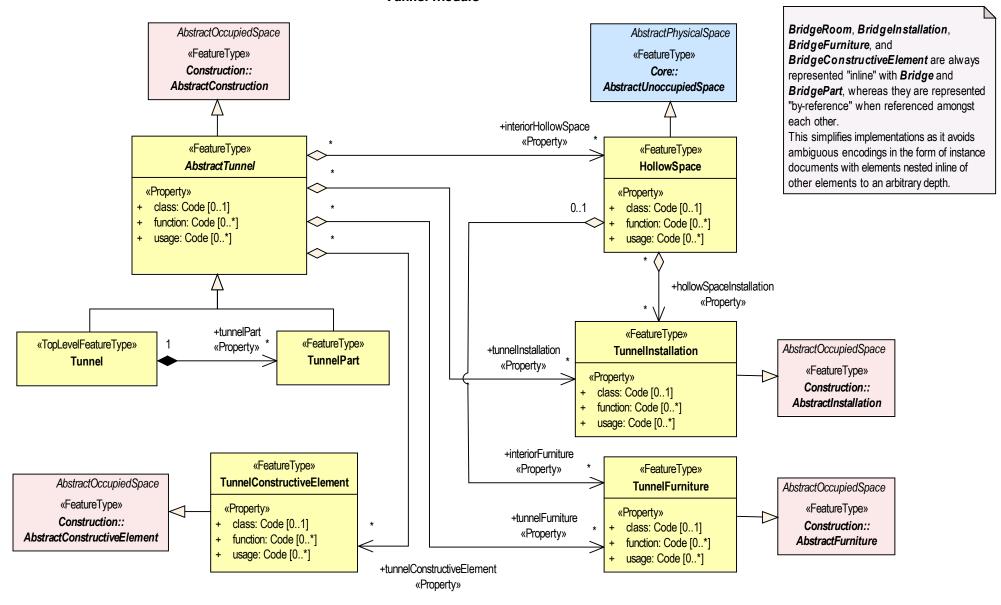
### Transportation module

At the 3DGeoInfo conference at TU Delft early October 2018, a discussion between Anna Labetski and Thomas H. Kolbe took place regarding some refinements proposed by TU Delft in a conference paper.

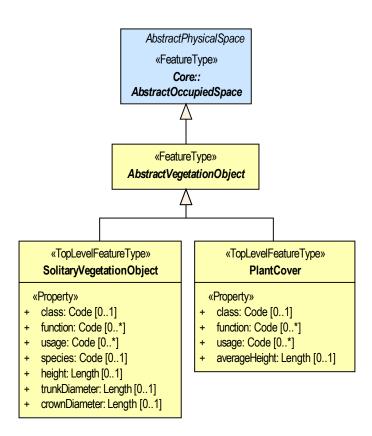
These refinements are going to be integrated. The current diagram only reflects the refined modelling of the TopLevelFeatureType concept.

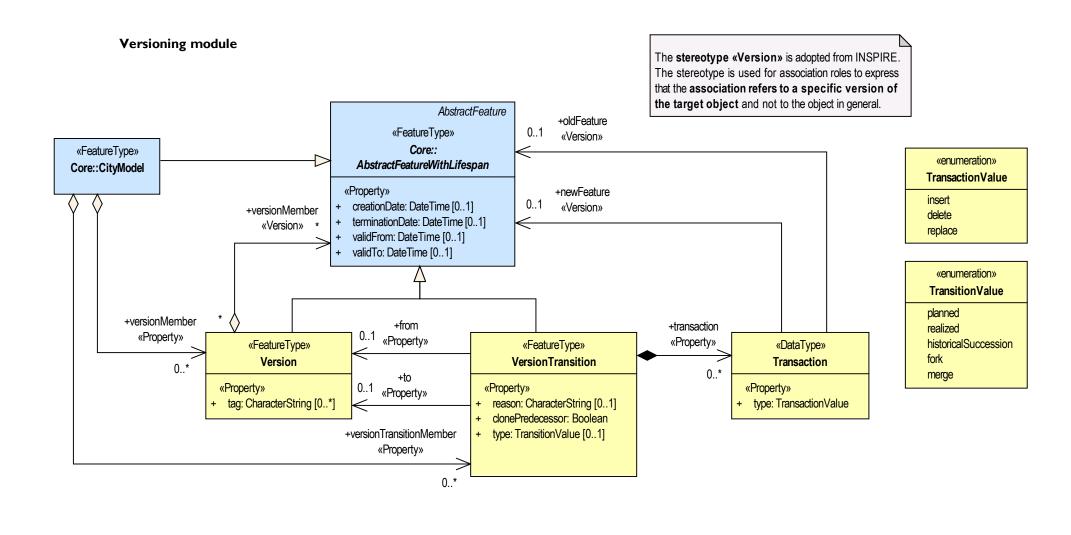


#### **Tunnel module**



## Vegetation module





## WaterBody module

