

National Underground Asset Register (NUAR)

NUAR Data Model Publication

MUDDI UK Excavation Profile - Logical Model - Diagrams

Publication History

Date	Version	Description
12/08/2024	0.1	First publication of the NUAR Data Model

Purpose of this document

This document includes diagrams for the logical UK: Excavation profile of the MUDDI Conceptual Model.

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1.1 MUDDI - UK Excavation Profile - Logical diagram

GML diagram in package 'MUDDI - UK Excavation Profile - Logical'

MUDDI - UK Excavation Profile - Logical Version 2.1.2 Created on 06/10/2023. Last modified 02/08/2024

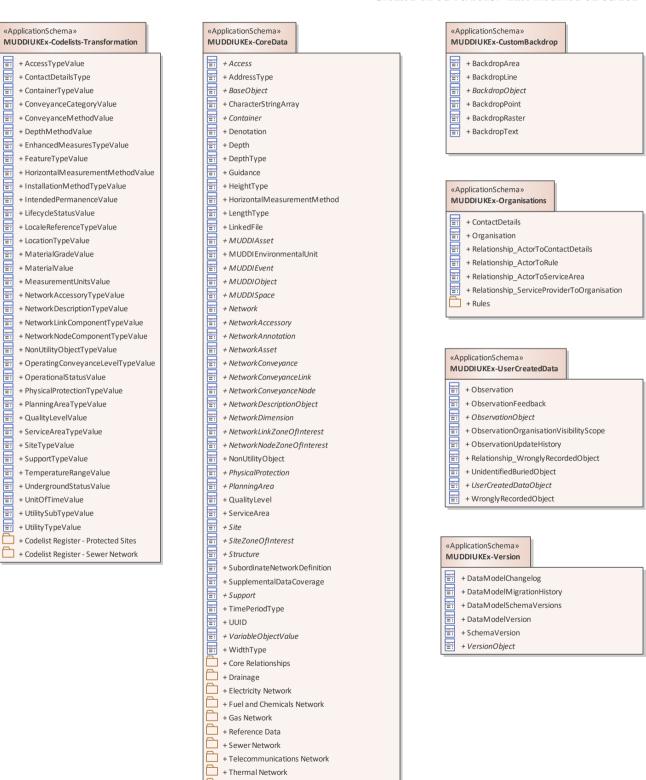


Figure 1: MUDDI - UK Excavation Profile - Logical

+ Transport + Water Network

1.1.1 MUDDI - UK Excavation Profile - Logical - Codelists-Transformation diagram

GML diagram in package 'MUDDIUKEx-Codelists-Transformation'

MUDDI - UK Excavation Profile - Logical - Codelists-Transformation Version~2.1.2 Created on 09/06/2023. Last modified 06/08/2024

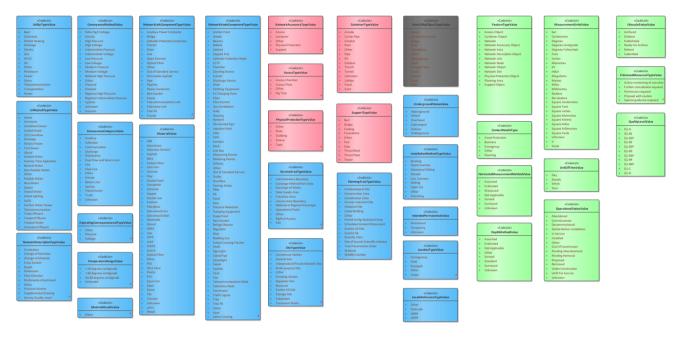


Figure 2: MUDDI - UK Excavation Profile - Logical - Codelists-Transformation

1.1.1.1 Codelist Register - Protected Sites diagram

GML diagram in package 'Codelist Register - Protected Sites'

 $\begin{tabular}{ll} Codelist Register - Protected Sites \\ Version 2.1.2 \\ Created on 21/08/2021. Last modified 21/05/2024 \\ \end{tabular}$

Figure 3: Codelist Register - Protected Sites

1.1.1.2 Codelist Register - Sewer Network diagram

GML diagram in package 'Codelist Register - Sewer Network'

 $\begin{tabular}{ll} Codelist Register - Sewer Network & Version 2.1.2 \\ Created on 21/08/2021. Last modified 21/05/2024 \\ \end{tabular}$

«CodeList» SewerDepthTypeValue

- + Downstream Invert Depth
- + Unknown
- + Upstream Invert Depth

Figure 4: Codelist Register - Sewer Network

1.1.2 MUDDI - UK Excavation Profile - Logical - Core Data diagram

GML diagram in package 'MUDDIUKEx-CoreData'

MUDDI - UK Excavation Profile - Logical - Core Data Version 2.1.2 Created on 17/08/2021. Last modified 28/07/2024

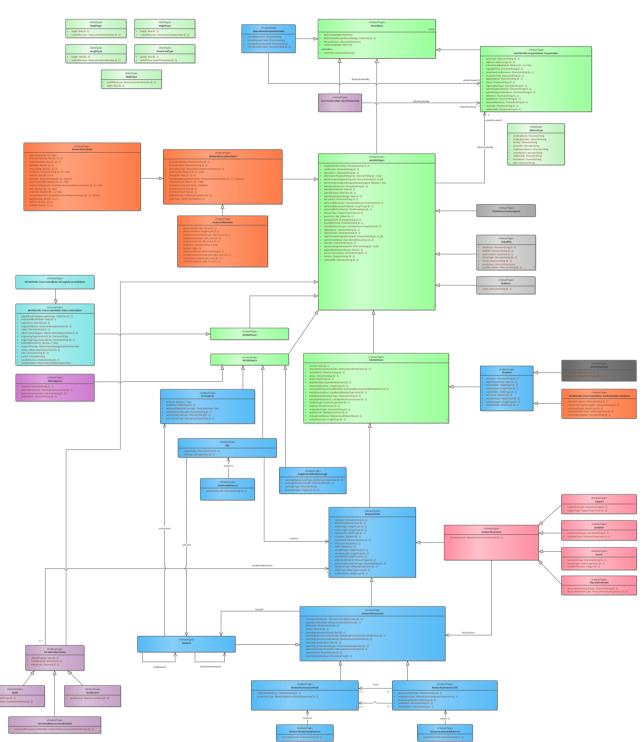


Figure 5: MUDDI - UK Excavation Profile - Logical - Core Data

1.1.2.1 Core Relationships diagram

Class diagram in package 'Core Relationships'

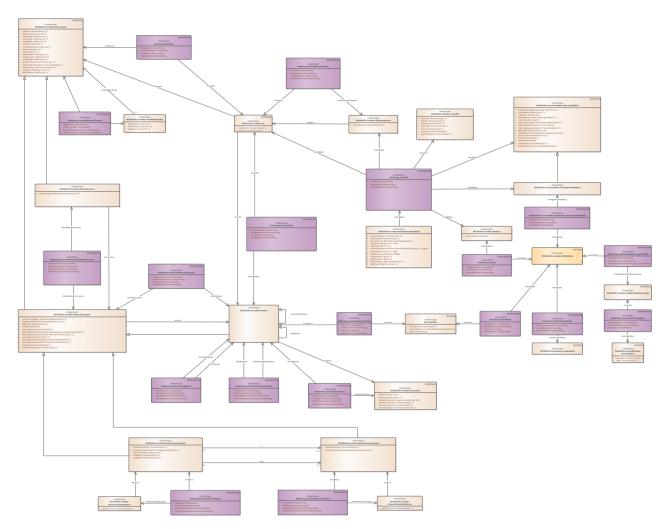


Figure 6: Core Relationships

1.1.2.2 Drainage diagram

Class diagram in package 'Drainage'

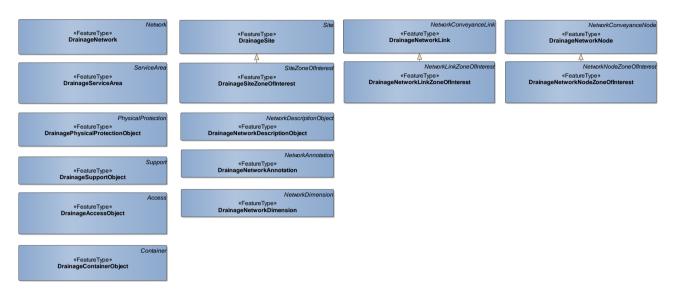


Figure 7: Drainage

1.1.2.3 Electricity Network diagram

Class diagram in package 'Electricity Network'

Electricity Network
Version 2.1.2
Created on 06/08/2019. Last modified 21/05/2024

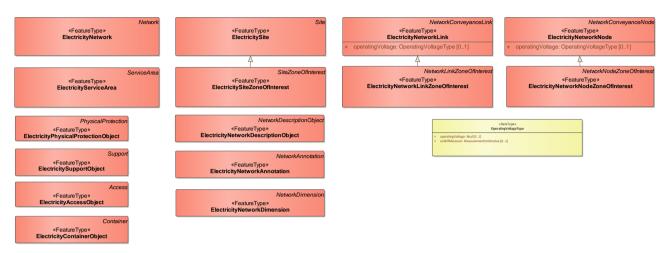


Figure 8: Electricity Network

1.1.2.4 Fuel and Chemicals Network diagram

Class diagram in package 'Fuel and Chemicals Network'

Fuel and Chemicals Network
Version 2.1.2
Created on 06/08/2019. Last modified 21/05/2024

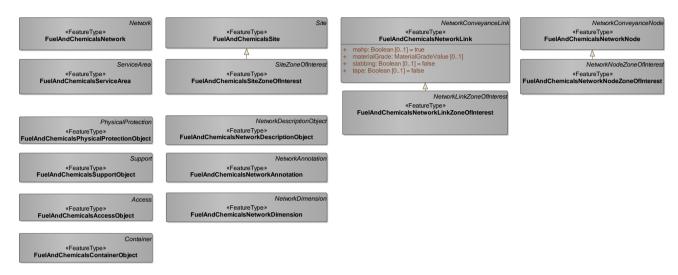


Figure 9: Fuel and Chemicals Network

1.1.2.5 Gas Network diagram

Class diagram in package 'Gas Network'

 $Gas\ Network \\ Version\ 2.1.2 \\ Created\ on\ 06/08/2019.\ Last\ modified\ 21/05/2024$

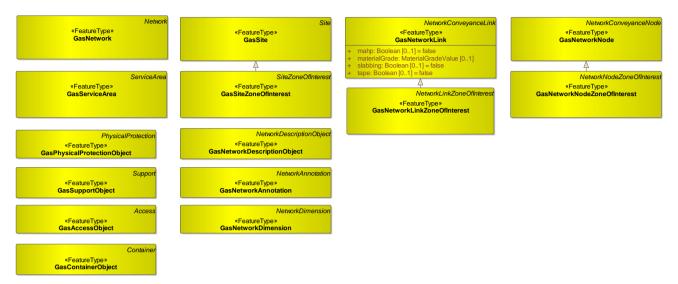


Figure 10: Gas Network

1.1.2.5.1 Planning Areas diagram

GML diagram in package 'Planning Areas'

Planning Areas
Version 2.1.2
Created on 30/03/2022. Last modified 21/05/2024

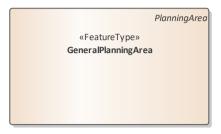




Figure 11: Planning Areas

1.1.2.5.1.1 Historical Land Use diagram

Class diagram in package 'Historical Land Use'

 $\begin{tabular}{ll} Historical\ Land\ Use \\ Version\ 2.1.2 \\ Created\ on\ 15/10/2020. \ Last\ modified\ 21/05/2024 \\ \end{tabular}$



Figure 12: Historical Land Use

1.1.2.5.1.2 Protected Sites diagram

Class diagram in package 'Protected Sites'



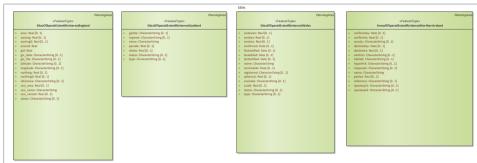


Figure 13: Protected Sites

1.1.2.5.1.3 Restricted Sites diagram

GML diagram in package 'Restricted Sites'



Figure 14: Restricted Sites

1.1.2.6 Sewer Network diagram

GML diagram in package 'Sewer Network'

 $\begin{tabular}{ll} Sewer Network & Version 2.1.2 \\ Created on 06/08/2019. Last modified 28/07/2024 \\ \end{tabular}$

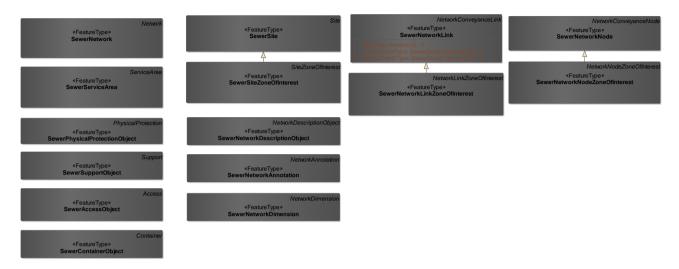


Figure 15: Sewer Network

1.1.2.7 Telecommunications Network diagram

GML diagram in package 'Telecommunications Network'

Telecommunications Network
Version 2.1.2
Created on 06/08/2019. Last modified 28/07/2024

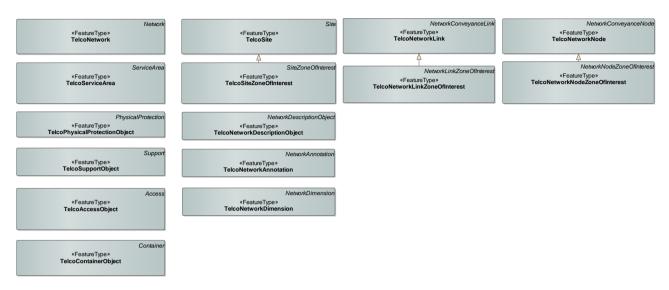


Figure 16: Telecommunications Network

1.1.2.8 Thermal Network diagram

Class diagram in package 'Thermal Network'

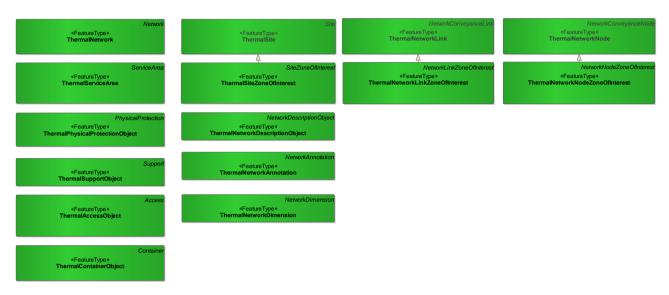


Figure 17: Thermal Network

1.1.2.9 Transport diagram

Class diagram in package 'Transport'

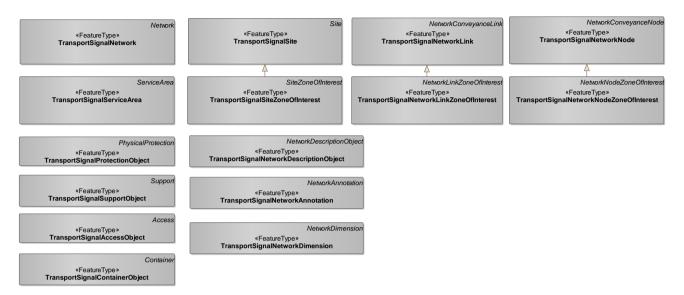


Figure 18: Transport

1.1.2.10 Water Network diagram

Class diagram in package 'Water Network'

 $Water\ Network \\ Version\ 2.1.2$ Created on 06/08/2019. Last modified 21/05/2024

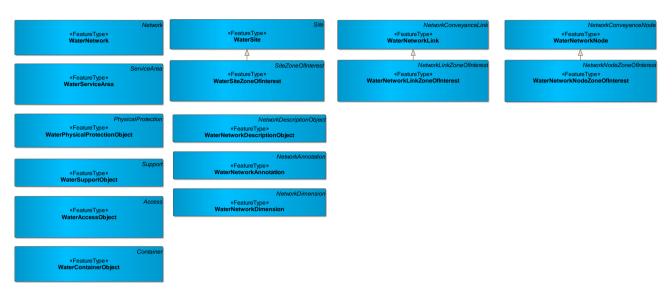


Figure 19: Water Network

1.1.3 MUDDI - UK Excavation Profile - Logical - CustomBackdrop diagram

Class diagram in package 'MUDDIUKEx-CustomBackdrop'

MUDDI - UK Excavation Profile - Logical - CustomBackdrop Version 2.1.2 Created on 11/07/2022. Last modified 28/07/2024

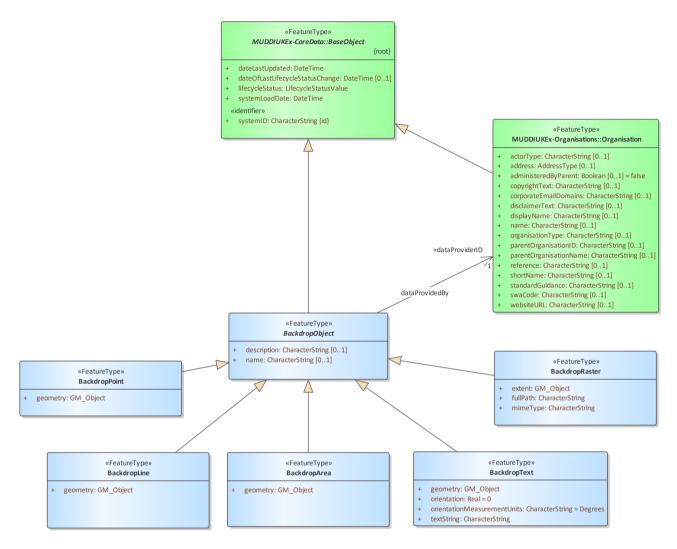


Figure 20: MUDDI - UK Excavation Profile - Logical - CustomBackdrop

1.1.4 MUDDI - UK Excavation Profile - Logical - Organisations diagram

GML diagram in package 'MUDDIUKEx-Organisations'

MUDDI - UK Excavation Profile - Logical - Organisations Version 2.1.2 Created on 30/01/2023. Last modified 28/07/2024

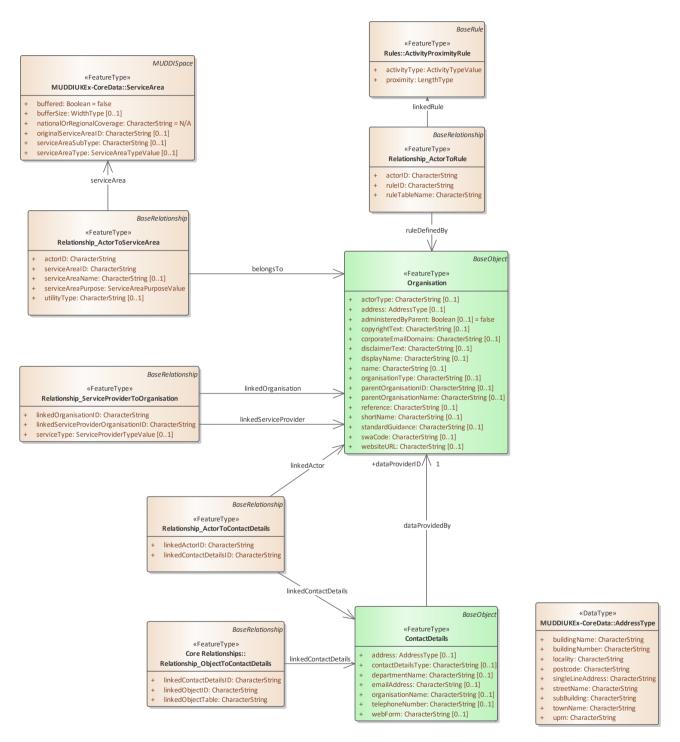


Figure 21: MUDDI - UK Excavation Profile - Logical - Organisations

1.1.4.1 MUDDI - UK Excavation Profile - Logical - Organisations - Rules diagram

GML diagram in package 'Rules'

MUDDI - UK Excavation Profile - Logical - Organisations - Rules Version 2.1.2 Created on 18/08/2021. Last modified 28/07/2024

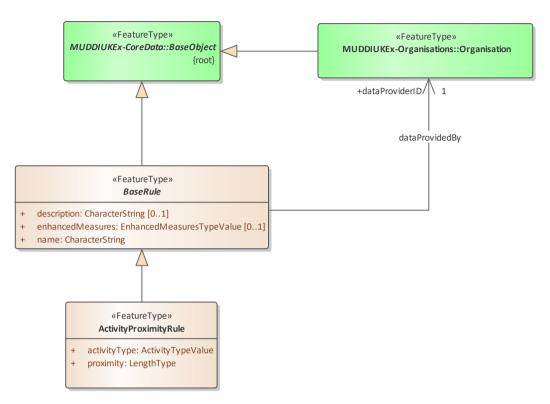


Figure 22: MUDDI - UK Excavation Profile - Logical - Organisations - Rules

1.1.5 MUDDI - UK Excavation Profile - Logical - UserCreatedData diagram

GML diagram in package 'MUDDIUKEx-UserCreatedData'

MUDDI - UK Excavation Profile - Logical - UserCreatedData Version 2.1.2 Created on 31/01/2023. Last modified 28/07/2024

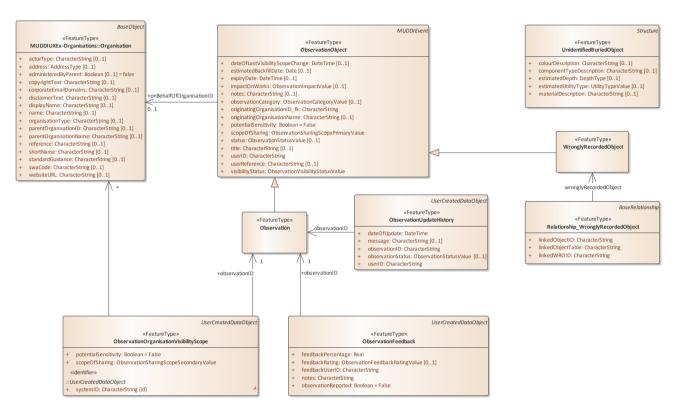


Figure 23: MUDDI - UK Excavation Profile - Logical - UserCreatedData

1.1.6 MUDDI - UK Excavation Profile - Logical - Version diagram

GML diagram in package 'MUDDIUKEx-Version'

MUDDI - UK Excavation Profile - Logical - Version Version 2.1.2 Created on 11/03/2022. Last modified 28/07/2024

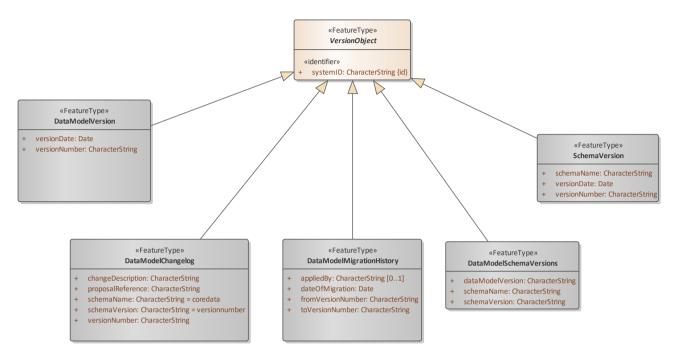


Figure 24: MUDDI - UK Excavation Profile - Logical - Version