

Change Log - Asset Package Version 4

Information About Previous Releases

[Sewer Utility Network Foundation Release Notes](#)

Utility Network Properties

- Network Attribute
 - S:Current Value
 - Removed
 - S:Device Status
 - Changed to P:Device Status
 - Structure Junction Asset Group
 - Added
- Network Category
 - Groundbed
 - Added Anode Bed
 - Manhole Channel
 - Added Directional Manhole Channel
 - Outlet
 - Added Overflow
 - Pipe Connection
 - Removed

Class

- All classes
 - Spatial Reference
 - Changed to NAD_1983_StatePlane_Illinois_East_FIPS_1201_Feet
- Nonspatial tables added with attachments and edit tracking enabled
 - SewerEdgeObject
 - SewerJunctionObject
 - StructureEdgeObject
 - StructureJunctionObject
- ServiceTerritory
 - Fields
 - name
 - Field added
 - Alias set to Name
- SewerAssembly
 - Fields

- assetid
 - Alias changed to Asset ID
- cpsubnetworkname
 - Alias changed to cpsubnetworkname
- installdate
 - Alias changed to Install Date
- lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default value set to 0
- maintby
 - Alias changed to Maintained By
- ownedby
 - Alias set to Owned By
- sewershedsnetworkname
 - Alias changed to sewershedsnetworkname
- spatialconfidence
 - Alias changed to Spatial Confidence
 - Default value set to 0
- spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
- systemsnetworkname
 - Alias changed to systemsnetworkname
- SewerDevice
 - Fields
 - accountid
 - Alias changed to Account ID
 - activevol
 - Alias changed to Activate Volume
 - Domain set to Event_Level
 - additionaldetails
 - Field removed
 - additionaldevice
 - Field removed
 - assetid
 - Alias changed to Asset ID
 - bondedinsulated
 - Field added
 - Alias set to Bonded/Insulated
 - bypassvalve
 - Field added
 - Alias set to Has Bypass Valve
 - clocktoclose
 - Field added
 - Alias set to Clockwise to Close
 - coolingmethod

- Field added
 - Alias set to Cooling Method
- cpooverride
 - Alias changed to Cathodic Protection Override
- cpsubnetworkname
 - Alias changed to cpsubnetworkname
- cptraceability
 - Alias changed to Cathodic Protection Traceability
 - Domain changed to CP_Traceability
- depth
 - Field added
 - Alias set to Groundbed Depth
- currentvol
 - Field removed
- designinfo
 - Field removed
- designtype
 - Alias changed to Type
- diameter
 - Alias changed to Diameter
- elevation
 - Field added
 - Alias set to Elevation
- inspectiondate
 - Field added
 - Alias set to Inspection Date
- installdate
 - Alias changed to Install Date
- lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default value set to 0
- location
 - Field added
 - Alias set to Location
- maintby
 - Alias changed to Maintained By
- manufacturer
 - Field added
 - Alias set to Manufacturer
- material
 - Alias changed to Cleanout Material
- model
 - Field added
 - Alias set to Model
- name
 - Alias changed to Name

- notes
 - Alias set to Notes
- operable
 - Alias set to Operable
- ownedby
 - Alias set to Owned By
- presentstatus
 - Alias changed to Present Status
 - Domain changed to Pipeline_Valve_Status
- pressure
 - Alias changed to Rated Pressure
- ratedflow
 - Field added
 - Alias set to Rated Flow
- secondarydiameter
 - Alias changed to Discharge Diameter
- sewershedsubnetworkname
 - Alias changed to sewershedsubnetworkname
- spatialconfidence
 - Alias changed to Spatial Confidence
 - Default value set to 0
- spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
- symbolrotation
 - Alias changed to Symbol Rotation
- systemsubnetworkname
 - Alias changed to systemsubnetworkname
- testwirecount
 - Field added
 - Alias set to Test Wire Count
- turnstoclose
 - Field added
 - Alias set to Turns to Close
- validationstatus
 - Field added
 - Alias set to Validation Status
- weight
 - Field added
 - Alias set to Weight
- SewerJunction
 - Fields
 - assetid
 - Alias changed to Asset ID
 - bondedinsulated
 - Field added

- Alias set to Bonded/Insulated
 - cpooverride
 - Alias changed to Cathodic Protection Override
 - cpsubnetworkname
 - Alias changed to cpsubnetworkname
 - cptraceability
 - Alias changed to Cathodic Protection Traceability
 - Domain changed to CP_Traceability
 - installdate
 - Alias changed to Install Date
 - lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default set to 0
 - maintby
 - Alias changed to Maintained By
 - notes
 - Alias changed to Notes
 - ownedby
 - Alias changed to Owned By
 - sewershedsnetworkname
 - Alias changed to sewershedsnetworkname
 - spatialconfidence
 - Alias changed to Spatial Confidence
 - Default value set to 0
 - spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
 - symbolrotation
 - Alias changed to Symbol Rotation
 - systemsnetworkname
 - Alias changed to systemsnetworkname
 - validationstatus
 - Field added
 - Alias set to Validation Status
- SewerLine
 - Fields
 - assetid
 - Alias changed to Asset ID
 - bondedinsulated
 - Field added
 - Alias set to Bonded/Insulated
 - cpooverride
 - Alias changed to Cathodic Protection Override
 - cpsubnetworkname
 - Alias changed to cpsubnetworkname
 - cptraceability

- Alias changed to Cathodic Protection Traceability
 - Domain changed to CP_Traceability
- designinfo
 - Field removed
- diameter
 - Alias changed to Size/Diameter
- downelev
 - Alias changed to Downstream Elevation
- installdate
 - Alias changed to Install Date
- lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default set to 0
- linertype
 - Alias changed to Liner Type
- mainshape
 - Field added
 - Alias set to Main Shape
- maintby
 - Alias changed to Maintained By
- material
 - Alias changed to Material
- measuredlength
 - Alias changed to Measured Length
- notes
 - Alias changed to Notes
- ownedby
 - Alias changed to Owned By
- sewershedsnetworkname
 - Alias changed to sewershedsnetworkname
- slope
 - Alias changed to Slope
- spatialconfidence
 - Alias changed to Spatial Confidence
 - Default value set to 0
- spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
- systemsnetworkname
 - Alias changed to systemsnetworkname
- tracerwire
 - Alias changed to Tracer Wire
- upelev
 - Alias changed to Upstream Elevation
- validationstatus
 - Field added

- Alias set to Validation Status
- StructureBoundary
 - Fields
 - assetid
 - Field added
 - Alias set to Asset ID
 - lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default set to 0
 - name
 - Alias changed to Name
 - notes
 - Alias changed to Notes
 - spatialconfidence
 - Alias changed to Spatial Confidence
 - Default value set to 0
 - spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
 - validationstatus
 - Field added
 - Alias set to Validation Status
- StructureJunction
 - Fields
 - assetid
 - Alias changed to Asset ID
 - bench
 - Alias changed to Bench
 - channel
 - Alias changed to Channel
 - conetype
 - Alias changed to Cone Type
 - covershape
 - Alias changed to Cover Shape
 - depth
 - Alias changed to Depth
 - highpipeelev
 - Alias changed to High Pipe Elevation
 - installdate
 - Alias changed to Install Date
 - invertelev
 - Alias changed to Invert Elevation
 - lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default set to 0
 - location

- Alias set to Manhole Location
 - maintby
 - Alias changed to Maintained By
 - manholetype
 - Field added
 - Alias set to Manhole Type
 - material
 - Alias changed to Frame Material
 - notes
 - Alias changed to Notes
 - numsteps
 - Alias changed to Number of Steps
 - ownedby
 - Alias changed to Owned By
 - rimelev
 - Alias changed to Rim Elevation
 - secondarymaterial
 - Alias changed to Wall Material
 - spatialconfidence
 - Alias changed to Spatial Confidence
 - Default value set to 0
 - spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
 - stepmaterial
 - Alias changed to Step Material
 - surface
 - Alias changed to Manhole Surface Type
 - symbolrotation
 - Alias changed to Symbol Rotation
 - validationstatus
 - Field added
 - Alias set to Validation Status
- StructureLine
 - Fields
 - assetid
 - Field added
 - Alias set to Asset ID
 - diameter
 - Alias changed to Diameter
 - lifecyclestatus
 - Alias changed to Lifecycle Status
 - Default set to 0
 - measuredlength
 - Alias changed to Measured Length
 - spatialconfidence

- Alias changed to Spatial Confidence
 - Default value set to 0
- spatialsource
 - Alias changed to Spatial Source
 - Default value set to 0
- validationstatus
 - Field added
 - Alias set to Validation Status
- Sewer Manhole Inspection
 - Renamed to SewerManholeInspection

Asset Groups, Asset Types and assignments

- SewerAssembly
 - Asset Groups
 - Horizontal Valve
 - Removed
- SewerDevice
 - Asset Groups
 - Backflow Preventer
 - Added with code 31
 - Asset Types
 - Unknown
 - Added with code 0
 - Backflow Preventer
 - Added with code 321
 - Connection
 - Added with code 23
 - Asset Types
 - Unknown
 - Added with code 0
 - Pipe Connection
 - Added with code 241
 - Vertical Drop
 - Added with code 243
 - Vertical Pipe
 - Added with code 244
 - Controller Point
 - Added with code 245
 - Discharge
 - Removed
 - Grease Trap
 - Added with code 30

- Asset Types
 - Unknown
 - Added with code 0
 - Grease Trap
 - Added with code 301
 - Grease Interceptor
 - Added with code 302
 - Grease Recovery
 - Added with code 303
 - Groundbed
 - Added with code 53
 - Asset Types
 - Unknown
 - Added with code 0
 - Anode Bed
 - Added with code 911
 - Categories added
 - CP Only
 - Manhole Channel
 - Added with code 32
 - Asset Types
 - Unknown
 - Added with code 0
 - Manhole Channel
 - Added with code 301
 - Directional Manhole Channel
 - Added with code 302
 - Categories added
 - Subnetwork Controller
 - Outlet
 - Added with code 22
 - Asset Types
 - Unknown
 - Added with code 0
 - Effluent Discharge
 - Added with code 221
 - Overflow
 - Added with code 222
 - Categories added
 - Subnetwork Controller
 - Pipe Connection
 - Removed
- SewerLine
 - Asset Groups
 - Sewer Force Main
 - Asset Types

- Collector Force Main
 - Changed to Force Main
 - Interceptor Force Main
 - Removed
- StructureBoundary
 - Asset Groups
 - Sewer Pump Station Boundary
 - Removed
 - Sewer Lift Station Boundary
 - Asset Types
 - Unknown
 - Added with code 0
 - Lift Station
 - Added with code 41
- StructureJunction
 - Asset Groups
 - Sewer Storm Vault
 - Asset Types
 - Diversion Manhole
 - Removed
 - Junction Manhole
 - Removed
 - Drop Manhole
 - Removed
 - Drop Trap Manhole
 - Removed
 - Flush Manhole
 - Removed
 - Offset Manhole
 - Removed
 - Shallow Manhole
 - Removed
 - Siphon Manhole
 - Removed
 - Sewer Lift Station
 - Added with code 301
 - Asset Types
 - Unknown
 - Added with code 0
 - Lift Station
 - Added with code 81
- StructureLine
 - Asset Groups
 - Sewer Storm Casing
 - Asset Types
 - Casing

- Added with code 1
 - Cast Iron - CAS
 - Removed
 - Ductile Iron - DI
 - Removed
 - Polyvinyl Chloride - PVC
 - Removed
 - Steel - SP
 - Removed

Tiers and Subnetworks

- ManagelsDirty set to false for all tiers
- Sewer Cathodic Protection
 - Added to devices
 - Backflow Preventer / Backflow Preventer
 - Backflow Preventer / Unknown
 - Connection Pipe / Connection
 - Connection Pipe / Unknown
 - Grease Trap / Grease Interceptor
 - Grease Trap / Grease Recovery
 - Grease Trap / Grease Trap
 - Grease Trap / Unknown
 - Groundbed / Anode Bed
 - Groundbed / Unknown
 - Manhole Channel / Directional Manhole Channel
 - Manhole Channel / Manhole Channel
 - Manhole Channel / Unknown
 - Outlet / Overflow
 - Outlet / Unknown
 - Added to lines
 - Sewer Force Main / Force Main
 - Sewer Force Main / Unknown
 - Sewer Gravity Main / Unknown
- Sewer Collection System
 - Function Summaries
 - Added
 - COUNT,Structure Junction Asset Group,manholecnt,NETWORK_ATTRIBUTE,Structure Junction Asset Group,IS_EQUAL_TO,SPECIFIC_VALUE,208
 - Changed
 - ADD,Shape length,gravitylength,NETWORK_ATTRIBUTE,Line Asset Group,IS_EQUAL_TO,SPECIFIC_VALUE,1
 - ADD,Shape length,forcelength,NETWORK_ATTRIBUTE,Line Asset Group,IS_EQUAL_TO,SPECIFIC_VALUE,2

- Sewershed
 - Function Summaries
 - Added
 - COUNT,Structure Junction Asset Group,manholecnt,NETWORK_ATTRIBUTE,Structure Junction Asset Group,IS_EQUAL_TO,SPECIFIC_VALUE,208
 - Changed
 - ADD,Shape length,gravitylength,NETWORK_ATTRIBUTE,Line Asset Group,IS_EQUAL_TO,SPECIFIC_VALUE,1
 - ADD,Shape length,forcelength,NETWORK_ATTRIBUTE,Line Asset Group,IS_EQUAL_TO,SPECIFIC_VALUE,2
 - Added to devices
 - Backflow Preventer / Backflow Preventer
 - Backflow Preventer / Unknown
 - Connection Pipe / Connection
 - Connection Pipe / Unknown
 - Grease Trap / Grease Interceptor
 - Grease Trap / Grease Recovery
 - Grease Trap / Grease Trap
 - Grease Trap / Unknown
 - Groundbed / Anode Bed
 - Groundbed / Unknown
 - Manhole Channel / Directional Manhole Channel
 - Manhole Channel / Manhole Channel
 - Manhole Channel / Unknown
 - Outlet / Overflow
 - Outlet / Unknown
 - Test Point / Unknown
 - Added to lines
 - Sewer Force Main / Force Main
 - Sewer Force Main / Unknown
 - Sewer Gravity Main / Unknown

Domains

- Changes to the asset type domains are listed in the Utility Network section
- Added
 - Backflow_Preventer_Manufacturer
 - Unknown
 - Added with code 0
 - Ames Company Inc
 - Added with code 1
 - BAVCO
 - Added with code 2
 - Cla-Val

- Added with code 3
 - Conbraco Industries Inc
 - Added with code 4
 - Febco Backflow Prevention
 - Added with code 5
 - Danfoss Flomatic Valve
 - Added with code 6
 - Mid-West Instrument
 - Added with code 7
 - Watts Regulator
 - Added with code 8
 - Hunter Industries
 - Added with code 9
 - Wilkins/Zurn Industries
 - Added with code 10
 - Other
 - Added with code 100
- Bonded_Insulated
 - Bonded
 - Added with code 1
 - Insulated
 - Added with code 2
- Event_Level
 - Unknown
 - Added with code 0
 - Low Event
 - Added with code 1
 - Medium Event
 - Added with code 50
 - High Event
 - Added with code 100
- Groundbed_Depth
 - Unknown
 - Added with code 0
 - Shallow
 - Added with code 1
 - Deep
 - Added with code 2
- Location
 - Unknown
 - Added with code 0
 - Inside
 - Added with code 1
 - Outside
 - Added with code 2
- Sewer_Storm_Manhole_Type

- Unknown
 - Added with code 0
- Diversion Manhole
 - Added with code 2
- Junction Manhole
 - Added with code 3
- Drop Manhole
 - Added with code 6
- Drop Trap Manhole
 - Added with code 7
- Flush Manhole
 - Added with code 8
- Manhole
 - Added with code 9
- Offset Manhole
 - Added with code 10
- Shallow Manhole
 - Added with code 11
- Siphon Manhole
 - Added with code 12
- Validation Error
 - Review
 - Added with code 2
 - Correction
 - Added with code 4
 - Verification
 - Added with code 6
- Validation Error Status
 - Reviewed
 - Added with code 1
 - Resolved
 - Added with code 2
 - Mark As Exception
 - Added with code 3
 - Acceptable
 - Added with code 4
 - Unacceptable
 - Added with code 6
 - Exception
 - Added with code 9
- Validation_Status
 - No calculation required, no validation required, no error
 - Added with code 0
 - No calculation required, no validation required, has error(s)
 - Added with code 1
 - No calculation required, validation required, no error

- Added with code 2
 - No calculation required, validation required, has error(s)
 - Added with code 3
 - Calculation required, no validation required, no error
 - Added with code 4
 - Calculation required, no validation required, has error(s)
 - Added with code 5
 - Calculation required, validation required, no error
 - Added with code 6
 - Calculation required, validation required, has error(s)
 - Added with code 7
- Changed
 - CP_Anode_Weight
 - 1.5
 - Description changed to 1 1/2 lb
 - Structure_Sewer_Storm_Manhole_Frame_Material
 - 1
 - Description changed to ABS Plastic - ABS
 - 11
 - Description changed to Ductile Iron - DIP
 - 20
 - Description changed to Polyvinyl Chloride - PVC
 - 23
 - Description changed to Reinforced Plastic (Truss) - RMP
 - 25
 - Description changed to Steel - SP
- Removed
 - Asset_Type_Sewer_Assembly_Horizontal_Valve
 - Asset_Type_Sewer_Device_Discharge
 - Asset_Type_Sewer_Device_Pipe_Connection
 - Asset_Type_Structure_Boundary_Sewer_Pump_Station_Boundary
 - Asset_Type_Structure_Junction_Sewer_Storm_Access_Point
 - Pipe_Device_Status_Combined
 - Pipeline_Device_Status
 - Rainfall_Intensity

Attribute Rules

- SewerDevice
 - Generate IDs
 - Individual rules replaced by SewerDevice_GenerateIDs
 - Added a batch version
 - CP Traceability
 - Individual rules replaced by Sewer Device _ Cathodic Protection Traceability

- Set z value of manhole to z value of pipe connection
 - Replaced with Device _ Set Attributes from Z
- Device Symbol Rotation
 - Changed to Device Symbol Rotation
- Device _ Check Pipe Connection
 - Added
- SewerJunction
 - Generate IDs
 - Individual rules replaced by SewerJunction_GenerateIDs
 - Added a batch version
 - CP Traceability
 - Individual rules replaced by Sewer Junction _ Cathodic Protection Traceability
 - Junction Symbol Rotation
 - Changed to Junction Symbol Rotation
- SewerLine
 - Generate IDs
 - Individual rules replaced by SewerLine_GenerateIDs
 - Added a batch version
 - CP Traceability
 - Individual rules replaced by Sewer Line _ Cathodic Protection Traceability
 - Set sewer force main downstream from z
 - Replaced with Line _ Set Attributes from Z
 - Set sewer force main upstream from z
 - Replaced with Line _ Set Attributes from Z
 - Set sewer gravity main downstream from z
 - Replaced with Line _ Set Attributes from Z
 - Set sewer gravity main upstream from z
 - Replaced with Line _ Set Attributes from Z
 - Sewer Gravity Main slope rule
 - Replaced with Line _ Main Slope
 - Slope rule force main
 - Replaced with Line _ Main Slope
 - Line _ Snap to Manhole
 - Added
 - Added a batch version
- StructureBoundary
 - Generate IDs
 - Individual rules replaced by StructureBoundary_GenerateIDs
 - Added a batch version
- StructureJunction
 - Generate IDs
 - Individual rules replaced by StructureJunction_GenerateIDs
 - Added a batch version
 - Set invert elevation from z
 - Removed

- Set rim elevation from invert elevation and depth
 - Replaced with StructureJunction _ Manhole Elevation Attributes
- StructureLine
 - Generate IDs
 - Individual rules replaced by StructureLine_GenerateIDs
 - Added a batch version