UNIVERSITY AT ALBANY
State University of New York

Division of Finance and Business
Office of Campus Planning

Geographic Information System (GIS) Geodatabase Standards

Office of Campus Planning

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GIS Data

This document shall serve as the official standards for the University at Albany's Geographic Information System (GIS). The Office of Campus Planning is undertaking the process of building a complete GIS inventory, and is updating and maintaining the GIS with new and existing features and projects. Therefore, we will be requesting all future project deliverables provide updates to the five (5) standardized GIS geodatabases.

A. DATUM AND COORDINATE SYSTEM STANDARDS

1. Datum

Horizontal: NAD83

Vertical: NAVD88

2. Coordinate Systems

For data at 1:10,000 scales and larger: State Plane, US Feet

For data at scales smaller than 1:10,000: UTM Zone 18, US Feet

B. GIS DATA CATEGORIES

The University has developed five (5) categories of databases:

- Athletics and Recreation
- Transportation
- Infrastructure
- Utilities
- Environmental

It is the responsibility of the contractor to identify those features that will be altered by the project at the point of Construction Drawings and any additional changes from the As-Built Drawings. OCP will provide the geodatabases and feature classes that are applicable to each project. The feature classes include attribute field names and domains that must be adhered to.

C. GIS GEODATABASE ATTRIBUTES

The GIS will only be as accurate as the data included within each feature. For this reason the standard outlined in this document for each feature must be adopted and adhered to during capture, updates, and maintenance. If possible, pictures (.jpeg files) should be taken during the data collection process and associated documents (.pdf files) should be linked and included in the attribute table (typical).

GIS STANDARDS

A. ATHLETICS AND RECREATION

1. Athletic Fields

Feature Class Type: Polygon

ID – af000

NAME – use location of field

CLASSIFICATION – Baseball, Softball, Soccer, Football, Lacrosse, Field Hockey, Other

SURFACE_MATERIAL – Grass, Synthetic Turf

DATE_BUILT – mm/dd/yyyy

SEATING – Yes, No

IRRIGATION TYPE – Manual, Automatic

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

2. Athletic Courts

Feature Class Type: Polygon

ID – ac000

NAME – use location court

CLASSIFICATION – Basketball, Tennis, Volleyball, Other

COURT_COUNT – 000

SURFACE_MATERIAL – Asphalt, Sand, Other

DATE_BUILT – mm/dd/yyyy

SEATING – Yes, No

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

3. Athletic Tracks

Feature Class Type: Polygon

ID – tr000

NAME – use location track

CLASSIFICATION – Competitive, Non-Competitive

MATERIAL – Synthetic, Natural

DATE_BUILT – mm/dd/yyyy

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

4. Recreation Fields

Feature Class Type: Polygon

ID – rf000

NAME – use location field

CLASSIFICATION – Intramural, Open, Batting Cage

SURFACE_MATERIAL – Grass, Synthetic Turf

DATE_BUILT – mm/dd/yyyy

SEATING – Yes, No

IRRIGATION_TYPE – Manual, Automatic

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

5. Recreation Courts

Feature Class Type: Polygon

ID – rc000

NAME – use location court

CLASSIFICATION – Basketball, Tennis, Volleyball, Playground, Other

COURT_COUNT – 000

SURFACE_ MATERIAL – Asphalt, Sand, Other

DATE_BUILT – mm/dd/yyyy

SEATING – Yes, No

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

B. TRANSPORTATION

1. Roads

Feature Class Type: Polygon

ID – rd000

NAME – X Street, X Road, X Drive East/West, X Avenue, X Lane East/West

TYPE – Service, General, Other

MATERIAL – Asphalt, Porous Asphalt, Unpaved, Other

DATE_REPARIED – mm/dd/yyyy

TYPE_OF_REPAIR – Spot, Resurfacing, Overlay, Sealing, Striping

WIDTH – 0.00 feet

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

2. Parking Lots

Feature Class Type: Polygon

ID – pkl000

NAME – Building Location

TYPE – Gold, Purple, Visitor, Mixed, Other

TOTAL_SPACES – 0000 spaces

STUDENT (GENERAL) SPACES – 0000 spaces

FACULTY/STAFF_SPACES – 0000 spaces

ADA_SPACES – 0000 spaces

SPECIAL_PERMITS – 0000 spaces

VISITOR_SPACES – 0000 spaces

RESERVED_SPACES – 0000 spaces

DATE_BUILT – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

MATERIAL – Asphalt, Concrete, Dirt, Crushed Stone, Permeable, Pavers, Other

LENGTH – 0.00 feet

AREA – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

3. Sidewalks

Feature Class Type: Polygon

ID – sw000

NAME – Campus Location

WIDTH – 0.00 feet

LENGTH – 0.00 feet

MATERIAL – Asphalt, Concrete, Other

DATE_REPAIRED – mm/dd/yyyy

ADA_ACCESSIBLE – Yes, No

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

4. Curb Ramps

Feature Class Type: Point

ID – cr000

NAME – Campus Location

MATERIAL – Concrete, Asphalt, Cast Iron, Other

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

5. Crosswalks

Feature Class Type: Polyline

ID – cw000

NAME – Campus Location

MATERIAL – Paint, Rubber, Other

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

6. Bus Routes

Feature Class Type: Polyline

ID – busr000

NAME – Operator Route Name/Number

OPERATOR – SUNY, CDTA, SUNY/CDTA, Other

LENGTH – 0.00 feet

ROAD_MATERIAL – Asphalt, Pavement, Dirt, Other

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

7. Bus Stops

Feature Class Type: Point

ID – buss000

NAME – Campus Location

OPERATOR – SUNY, CDTA, SUNY/CDTA, Other

GROUND_MATERIAL – Asphalt, Pavement, Natural, Other

SHELTER – Yes, No

SEATING – Yes, No

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

8. Ramps

Feature Class Type: Polygon

ID – ra000

NAME – Campus Location or Building Location

TYPE –ADA Ramp, Other

WIDTH – 0.00 feet

LENGTH – 0.00 feet

MATERIAL – Asphalt, Concrete, Other

DATE_REPAIRED – mm/dd/yyyy

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

9. Stairs

Feature Class Type: Point

ID – st000

NAME –Building Location or Campus Location

WIDTH – 0.00 feet

LENGTH – 0.00 feet

NUMBER_OF_TREADS – 000

RAILINGS – Full, Partial, None

COVERED – Yes, No

MATERIAL – Concrete, Metal, Other

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

10. Bicycle Racks

Feature Class Type: Point

ID – byr000

NAME – Campus Location

NUMBER_OF_SPACES – 000

TYPE – Grid, U-Style, Wave, Low Profile, Loop, Other

LEVEL – Ground, Podium Deck, Other

COVERED – Yes, No

STANDARD – Yes, No

MOUNTING – Freestanding, Rail Mount, Surface, Other

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

11. Purple Path

Feature Class Type: polyline

ID – pp000

LOCATION – Campus Location

PHASE – Phase 1, Phase 2A, Phase 2B, Phase 3, Phase 4

SURFACE – Asphalt Only, Asphalt & Cinder

DATE_CONSTRUCTED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

12. Roads-Vicinity

Feature Class Type: polygon

ID – rdv000

NAME – X Street, X Road, X Drive East/West, X Avenue, X Lane East/West

WIDTH – 0.00 feet

LENGTH – 0.00 feet

AREA – 0.00 feet

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

C. INFRASTRUCTURE

1. Buildings

Feature Class Type: Polygon

OBJECTID – bldg0000

BLDG_CODE – PSI number

BLDG_NAME – Building Name

CAMPUS – Uptown, Downtown, East, Alumni

ABBREVIATION – PSI abbreviation XX(XXXX)

DATE_CONSTRUCTED – mm/dd/yyyy

DATE_OCCUPIED – mm/dd/yyyy

ROOF_GSF – 0 sq ft

GSF – 0 sq ft

TOTAL_NSF – 0 sq ft

ASSIGN_NSF – 0 sq ft

FLOORS_ABOVE_GRADE – 00

FLOORS_BELOW_GRADE – 00

NUMBER_ELEVATORS – 00

EL_WIRING – PXX; FXX; GXX; EXX; NA

EL_EMER_PWR – PXX; FXX; GXX; EXX; NA

EL_FIRE_AL – PXX; FXX; GXX; EXX; NA

EL_LIGHTING – PXX; FXX; GXX; EXX; NA

EL_PWR_WIRING – PXX; FXX; GXX; EXX; NA

EL_SPECIAL – PXX; FXX; GXX; EXX; NA

EL_TEL_DATA – PXX; FXX; GXX; EXX; NA

EX_FRAMING – PXX; FXX; GXX; EXX; NA

EX_DOORS – PXX; FXX; GXX; EXX; NA

EX_WALLS – PXX; FXX; GXX; EXX; NA

EX_FOUNDATION – PXX; FXX; GXX; EXX; NA

EX_ROOF – PXX; FXX; GXX; EXX; NA

EX_WINDOWS – PXX; FXX; GXX; EXX; NA

HVAC_AHU – PXX; FXX; GXX; EXX; NA

HVAC_BOILER – PXX; FXX; GXX; EXX; NA

HVAC_CHILL – PXX; FXX; GXX; EXX; NA

HVAC_SPRINKLER – PXX; FXX; GXX; EXX; NA

HVAC_DIST_CTRL – PXX; FXX; GXX; EXX; NA

HVAC_PLUMB – PXX; FXX; GXX; EXX; NA

HVAC_PUMPS – PXX; FXX; GXX; EXX; NA

HVAC_SPECIALTY – PXX; FXX; GXX; EXX; NA

IN_BUILT_IN – PXX; FXX; GXX; EXX; NA

IN_CEILING – PXX; FXX; GXX; EXX; NA

IN_DOORS – PXX; FXX; GXX; EXX; NA

IN_ELEVATORS – PXX; FXX; GXX; EXX; NA

IN_FLOORS – PXX; FXX; GXX; EXX; NA

IN_SPECIALTY – PXX; FXX; GXX; EXX; NA

IN_STAIRS – PXX; FXX; GXX; EXX; NA

IN_WALLS – PXX; FXX; GXX; EXX; NA

DOCUMENTS –

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

2. Public Art

Feature Class Type: Point

ID – puba000

NAME – Collection

TYPE – Academic, Non-Academic

LOCATION – Building Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

3. Wayfinding Signage

Feature Class Type: Point

ID - wfs000

CLASSIFICATION – Standard, Non-Standard

TYPE (from university sign manual): IC-1, IC-2, IC-3, IC-4, NE-IC-1, IB-3, IB-4, IB-5, NE, DV-1, DV-2, DV-3, IN, IS, IP- 1, IP-2, IP-3, IP-4, RP,DP-1, DP-2, NB-1, NB-2A, NB-2, MP-1, MP-2, MP-1 MODIFIED, IT, KIOSK

MATERIAL – Metal, Aluminum, Brick, Synthetic, Other

STRUCTURE – Ground, Pole, Building, Column, Other

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

LIGHT-Yes, No

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

4. Regulatory Signage

Feature Class Type: Point

ID - trs000

NAME – signtype000 (sign content)

CLASSIFICATION – Standard, Non-Standard

MATERIAL – Metal, Aluminum, Brick, Synthetic, Other

STRUCTURE – Ground, Pole, Building, Column, Other

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

5. Flagpoles

Feature Class Type: Point

ID – fp000

NAME – Campus Location

CLASSIFICATION – Academic, Non-Academic

MATERIAL – Metal, Aluminum, Other

DATE_INSTALLED – mm/dd/yyyy

LIGHTING – Yes, No

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

6. Mail Boxes

Feature Class Type: Point

ID – mb000

NAME – Campus Location

TYPE – USPS, University, Other

DATE_INSTALLED – mm/dd/yyyy

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

7. Drinking Water Fountains

Feature Class Type: Point

ID – wdf000

TYPE – Athletic, Academic, Other

MATERIAL - Masonry, Metal, Other

DATE_INSTALLED – mm/dd/yyyy

HISTORIC_ID – wdf000

ELEVATION – 0.00 feet

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

8. Fences

Feature Class Type: Polyline

ID – fn000

NAME – Campus Location

LENGTH – 0.00 feet

MATERIAL – Chain Link, Coated Galvanized, Wood, Iron, Aluminum, Other

TYPE – Property Lined, Athletic, Security, Rails, Other

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

9. Benches

Feature Class Type: Point

ID – bn000

NAME – Campus Location

TYPE – Standard, Non-Standard

MATERIAL – Wood, Metal, Concrete, Recycled Plastic, Other

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

10. Trash & Recycling Receptacles

Feature Class Type: Point

ID – tr000

NAME – Campus Location

TYPE – Doty, Plainwell, Scarborough, Plainwell/Scarborough, Non-Standard

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

11. Banners

Feature Class Type: Point

ID – BN000

LOCATION – Campus Location

BANNER_TYPE – Text on banner (University at Albany, World Within Reach, Great Danes, Arts, Academic, Athletic, University Library, Dewey Library, Dutch Commons, Dutch Quad, Indian Commons, Indian Quad, State Commons, State Quad, Colonial Commons, Colonial Quad, Alumni Commons, Alumni Quad, Other)

BANNER_COLOR- Purple, Gold, White, Other

AUTHORITY_RESPONSIBLE-Campus department responsible for maintenance and replacement of banner

OBJECT_AFFIXED_TO- Lamp Post, Column, Building, Utility Pole, Other

DATE_INSTALLED – mm/dd/yyyy

DATE_INSPECTED- mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

D. UTILITIES

Sewer Utilities

1. Sewer Manholes

Feature Class Type: point

ID – smh000

NUMBER_OF_PIPES – 000

ACCESSIBILITY – Accessible, Not Found, Unable to Open

DEPTH – 0.00 feet

COVER_TYPE – Solid, Other

COVER_MATERIAL – Cast Iron, Steel, Other

COVER_SHAPE – Round, Square

COVER_SIZE – 0.00 inches

COVER_BOLTED – Yes, No

CONE_MATERIAL – Concrete, Concrete Block, Brick, Steel, Other

CONE_SHAPE – Acentric, Concentric

RISER_MATERIAL – Concrete, Concrete Block, Brick, Steel, Other

RISER_SHAPE – Cone, Round, Square, Rectangular

RISER_DIMENSIONS – 00 x 00 feet / 00 dia

STEPS_PRESENT – Yes, No

RIM_ELEVATION – 0.00 feet

ELEVATION_SOURCE – Planimetrics, Survey

STREET – Campus Location

LOCATION – Driveway, Lawn, Parking Lot, Roadway, Sidewalk, Woods, Other

DATE_INSTALLED – mm/dd/yyyy

CAMPUS – Yes, No

HISTORIC_ID – smh000

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

2. Sewer Pipes

Feature Class Type: polyline

ID – smh000-smh000

TYPE – Gravity Main, Other

MATERIAL – Asbestos Cement, Cast Iron, Concrete, Ductile Iron, PVC, Reinforced Concrete, Solid HDPE, Steel, Vitrified Clay

SHAPE – Circular, Rectangular

DIAMETER – 00 inches

WIDTH – 00 inches

HEIGHT – 00 inches

LENGTH – 0.00 feet

UPSTREAM_INVERT – 0.00 feet

DOWNSTREAM_INVERT – 0.00 feet

UPSTREAM_DEPTH – 0.00 feet

DOWNSTREAM_DEPTH – 0.00 feet

DROP_TYPE – External, Internal, None

DROP_INVERT – 0.00 feet

DROP_HEIGHT – 0.00 feet

DATE_INSTALLED – mm/dd/yyyy

STREET_LOCATION – Campus Location

RISE – 0.00 feet

SLOPE – 0.00 feet

DATE_LINED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

3. Sewer Pump Station

Feature Class Type: point

ID – sph000

DATE_BUILT – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

LOCATION – Campus Location

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

Drainage Utilities

4. Drainage Pre-Treatment

Feature Class Type: point

ID – dpt00

DATE_INSTALLED – mm/dd/yyyy

TYPE – Solids, Settling Basin, Other

STREET – Campus Location

LOCATION – Lawn, Other

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

5. Drainage Pipe Openings

Feature Class Type: point

ID – dd000

TYPE – Outfall, Culvert Inlet, Culvert Outlet, Drain Inlet, Drain Outlet, Inlet, Other

FORTIFICATION – Concrete Headwall, Loose Stone, Rip Rap, None

DISCHARGE_ENVIRONMENT – Open Ditch, Plunge Pool, Rip Rap Apron, Rip Rap Swale, Stream

SUBMERGED – Yes, No

SCREEN_PRESENT – Yes, No

STREET – Campus Location

LOCATION – Ditch, Driveway, Lawn, Other, Parking Lot, Roadway, Sidewalk, Water, Woods

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

HISTORIC_ID – dof000

ON_CAMPUS – Yes, No

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

6. Drainage Structures

Feature Class Type: point

ID – dcb000

NUMBER_OF_PIPES – 00

TYPE – Drainage Manhole, Catch Basin, Dry Well, Vault, Clean Out

ACCESS – Accessible, Unable to Open, Not Found

TOTAL_DEPTH – 0.00 feet

SUMP_DEPTH – 0.00 feet

COVER_TYPE – 1 Hole, Bar, Beehive, Crate, curb Inlet, Grate, Solid, Drill Holes, Other

COVER_MATERIAL – Cast Iron, Plastic, Steel,

COVER_SHAPE – Rectangle, Square, Round

COVER_SIZE – 0.00 inches

BOLTED_COVER – Yes, No

CONE_MATERIAL – Concrete, Concrete Block, Brick, Other

CONE_SHAPE – Acentric, Concentric, Flat Top

RISER_MATERIAL – Concrete, Concrete Block, Other

RISER_SHAPE – Cone, Square

RISER_DIMENSIONS – 00 x 00 / 00 dia

DISTRIBUTION_BOX_MATERIAL – Concrete, Concrete Block, Other

DISTRIBUTION_BOX_SHAPE – Box, Cylindrical,

DISTRIBUTION_BOX_DIMENSIONS – 00 feet / 00 dia

STEPS – Yes, No

RIM_ELEVATION – 000.00 feet

DATE_INSTALLED – mm/dd/yyyy

ON_CAMPUS – Yes, No

STREET – Campus Location

LOCATION – Ditch, Driveway, Lawn, Parking Lot, Roadway, Sidewalk, Water, Woods

HISTORIC_ID – dcb000

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

7. Drainage Trenches

Feature Class Type: polyline

ID – dtd000

ACCESS – Accessible, Non-Accessible

UPSTREAM_INVERT – 0.00 feet

DOWNSTREAM_INVERT – 0.00 feet

TRENCH_MATERIAL – Concrete, Plastic, Steel

WIDTH – 0.00 inches

DEPTH – 0.00 inches

STREET – Campus Location

DATE_INSTALLED – mm/dd/yyyy

HISTORIC_ID – dtd000

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

LENGTH – 0.00 feet

8. Drainage Pipes

Feature Class Type: polyline

ID – dcb000-dcb000

TYPE – pressure, gravity

RELINED – Yes, No

MATERIAL – Asbestos Cement, Corrugated HDPE, Cast Iron, Concrete-Lined Steel, Corrugated Metal, Concrete, Ductile Iron, Plastic, PVC, Reinforced Concrete, Solid HDPE, Steel, Clay, Metal

SHAPE – Circular, Rectangular

DIAMETER – 0.00 inches

WIDTH – 0.00 inches

HEIGHT – 0.00 inches

LENGTH – 0.00 feet

UPSTREAM_INVERT – 0.00 feet

DOWNSTREAM_INVERT – 0.00 feet

UPSTREAM_DEPTH – 0.00 feet

DOWNSTREAM_DEPTH – 0.00 feet

DROP_INVERT – 0.00 feet

DROP_HEIGHT – 0.00 feet

DATE_INSTALLED – mm/dd/yyyy

STREET – Campus Location

RISE – 0.00 feet

SLOPE – 0.00 feet

DATE_LINED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

9. Outfalls

Feature Class Type: point

ID – (UAlbany number)

AIMS_ID-(Stormwater coalition ID)

LOCATION-Location on Campus

LATITUDE-

LONGITUDE-

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

10. Surface Drainage

Feature Class Type: polyline

ID – dse000

TYPE – Ditch, Swale, Stream, Other

NAME – Campus Location

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

LENGTH – 0.00 feet

11. Storm water Management Area

Feature Class Type: polygon

ID – sma000

TYPE – Detention, Retention Subsurface

COMPONENTS – Pipes, Tank, Infiltration Unit

NAME – Campus Location

LAST_INSPECTED – mm/dd/yyyy

MAINTENANCE_DATE – mm/dd/yyyy

UPSTREAM_MANHOLE_ID – dcb001, dmh001

DOWNSTREAM_MANHOLE_ID – dcb001, dmh001

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

SHAPE_AREA – 0.00 sq. f

12. Drainage Post-Treatment

Feature Class Type: point

ID – dpt000

DATE_INSTALLED – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

TYPE – Cartridge Filter, Sand Filter

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

13. Storm water Maintenance Zones

Feature Class Type: polygon

ID – SMZ000

AREA- 0000 SQUARE FEET

CATCH BASIN COUNT-

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

Water Utilities

14. Water Meters

Feature Class Type: point

ID – wwm000

TYPE – Water Meter, Meter Pit

MANUFACTURER_MODEL – Manufacturer & Model

SIZE – 0.00 inches

LOCATION – Lawn, Parking Lot, Other

STREET – Campus Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

15. Water Tanks

Feature Class Type: point

ID – wt000

DIAMETER – 0.00 feet

HEIGHT – 0.00 feet

CAPACITY – 0.00 gallons

DATE INSTALLED – mm/dd/yyyy

DATE REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

16. Water Valves

Feature Class Type: point

ID – wlv000

MANUFACTURER – Manufacturer

TYPE – Gate, Butterfly, Other

OPEN – Clockwise, Counterclockwise

ACCESS – Accessible, Not Found, Paved Over, Unable to Open

DIAMETER – 0.00 inches

DATE_INSTALLED – mm/dd/yyyy

MATERIAL_CONDITION – Excellent, Good, Average, Poor

STREET – Campus Location

LOCATION – Ditch, Driveway, Lawn, Parking Lot, Roadway, Sidewalk, Water, Woods, Other

HISTORIC_ID – wgv000

ELEVATION – 0.00 feet

ON_CAMPUS – Yes, No

DATE_EXCERCISED - mm/dd/yyyy

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

17. Water Reducers

Feature Class Type: point

ID – wre000

IN_PIPE_ID – wp000

OUT_PIPE_ID – wp000

IN_PIPE_DIAMETER – 0.00 inches

OUT_PIPE DIAMETER – 0.00 inches

STREET – Campus Location

LOCATION – Parking Lot, Lawn, Sidewalk, Other

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

HISTORIC_ID – wre000

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

18. Water Pipes

Feature Class Type: polyline

ID – wp0000

TYPE – Main, Hydrant Lateral, Service Lateral, Other

DIAMETER – 0.00 inches

TO_ID – J000

FROM_ID – J000

SHAPE_LENGTH – 0.00 feet

MATERIAL – Copper, Ductile Iron, Cast Iron

DATE_INSTALLED – mm/dd/yyyy

STREET - Campus Location

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

19. Water Hydrants

Feature Class Type: point

ID – why000

TYPE – Fire, Utility/Yard, Stand Pipe, Other

DATE_INSTALLED – mm/dd/yyyy

STREET – Campus Location

LOCATION – Llawn, Parking Lot, Sidewalk, Building, Other

HISTORIC_ID – why000

ELEVATION – 0.00 feet

CAMPUS – Yes, No

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

Irrigation Utilities

20. Irrigation Hose Bibs

Feature Class Type: point

ID – ihb000

LOCATION – Campus Llocation

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

21. Irrigation Misc Boxes

Feature Class Type: point

ID – imb000

LOCATION - Campus Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

22. Irrigation Pump Houses

Feature Class Type: point

ID – iph000

DATE_BUILT – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

LOCATION – Campus Location

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

23. Irrigation Splice Boxes

Feature Class Type: point

ID – isb000

LOCATION –Campus Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

24. Irrigation Drains

Feature Class Type: point

ID – idr000

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

25. Irrigation Ground Rods

Feature Class Type: polyline

ID – igr000

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

26. Irrigation Valves

Feature Class Type: point

ID – ivav000

TYPE – Air Release, Electric Valve, Lateral Gate, Mainline Gate, Quick Coupler

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

27. Irrigation Water Cannons

Feature Class Type: point

ID – iwc000

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

28. Irrigation Controllers

Feature Class Type: point

ID – icon000

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

29. Irrigation Sprinklers

Feature Class Type: point

ID – ispr000

TYPE – Rain Bird, Toro

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

30. Irrigation Pipes

Feature Class Type: polyline

ID – ipip000

TYPE – Lateral Unpressurized, Mainline, Supply Pipe

MATERIAL – Ductile Iron, Schedule 80

DATE_INSTALLED – mm/dd/yyyy

STREET – Campus Location

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

Gas Utilities

31. Gas Regulators

Feature Class Type: point

ID – grg000

LOCATION – Campus Location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

32. Gas Valves

Feature Class Type: point

ID – gv000

TYPE – Distribution Valve, FLG, Plug, ST, Tee

SIZE – 0.00 inches

STATUS – Open, Closed

MATERIAL – Weld in, Other

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

33. Gas Pipes

Feature Class Type: polyline

ID – gpp000

DIAMETER – 0.00 inches

DATE_INSTALLED – mm/dd/yyyy

DATE_REPAIRED – mm/dd/yyyy

MATERIAL – H, M, P7, P7-MP, Plastic, SB-HP, ST, ST-HP

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

LENGTH – 0.00 feet

Communication Utilities

34. Blue Lights

Feature Class Type: point

ID – bl000

EXT – 00000

NODE – 00

TELEPHONE_ROOM – Campus Location

BUILDING – Campus Location

NAME – Building Location

MODEL – 000-000

VERIFIED – Yes, No, Other

LIGHT_POLE – lp0000

FLASH – Yes, No, Other

LATITUDE – north degree

LONGITUDE – west degree

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

35. Communication Manholes

Feature Class Type: point

ID – tcm000

NAME – Campus Location

CONDUITS – 0000

CONDUIT_MATERIAL – Zinc-Coated Steel, Other

OWNERSHIP – Campus Department

START_CABLE – room origination point

END_CABLE – room termination point

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

FLOOD_PRONE – Yes, No

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

LATITUDE – north degree

LONGITUDE – west degree

LOCATION – Grass, Hardscape

LOCKING_COVERS – Yes, No

ACCESS – Brick, Concrete

TOP CONSTRCUTION – Cast Iron, Steel, Plastic

CROWDED – Yes, No

PICTURES-(image location/name)

BUTTERFLY_DRAWINGS-(document location/name)

NOTES –

36. Communication Lines

Feature Class Type: polyline

ID – tcl000

NAME – Campus Location

#_OF_CONDUITS – 0000

CONDUIT_MATERIAL – PVC, Ductile Iron, Steel

#_OF_ FIBER_PAIR – 0000

FIBER – 0000 – 0000

#_OF_COPPER_PAIR – 0000

COPPER – 0000 – 0000

OWNERSHIP – Campus Department

START_MANHOLE – Origination Point

END_MANHOLE – Termination Point

DATE_INSTALLED – mm/dd/yyyy

LENGTH – 0.00 feet

DUCT_MATERIAL – Concrete, Encased, Conduit Buried

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

Electrical Utilities

37. Light Poles

Feature Class Type: Point

ID – lp0000

CLASSIFICATION – Parking Lot, Roadway, Pedestrian, Other

MATERIAL – Aluminum, Steel, Fiberglass, Other

HEIGHT_OF_POLE – 12'+17", 14'+17", 23'+17", Other

CONCRETE_BASE – 0.00 inches

BULB_TYPE – LED, High-Pressure Sodium, Probe Start MH, Pulse Start MH, Ceramic MH

WATTAGE – 50w, 70w, 100w, 150w, 200w, 250w, 400w

HEAD_TYPE – Shoebox Flat-Lens, Shoebox Sag-Lens, Rounded Top Sag-Lens, Shoebox with Box-Lens, Acorn, Hat-Head, LED Head

HEAD_TYPE_IMAGE – (image location)

BOLT_PATTERN - 12" top & 17" bottom, 8.5" top & 17" bottom, 12" top & 12" bottom, Other/Old

CIRCUIT – 0000circuit

BANNER – Yes, No

BLUE_LIGHT – Yes, No

DATE_INSTALLED – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

38. Electric Duct Banks

Feature Class Type: polyline

ID – edb0000

LOCATION – Campus Location

SIZE – l x w x h

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

39. Electric Feeders

Feature Class Type: polyline

ID – ef0000

LOCATION – Campus Location

NAME – P1, P2, P3, P4, P5, P6

BUILDINGS_FED – Campus Buildings

CAPACITY – 000 Amps

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

40. Electric Transformers

Feature Class Type: point

ID – et0000

LOCATION –Building and Room #

SIZE – 0000 kVA

TYPE – wet, dry

VOLTAGE_PRIMARY

VOLTAGE_SECONDARY

MANUFACTURER – Siemens, GE, SquareD, Other

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

41. Electric Main Distribution Panel

Feature Class Type: point

ID – emdp0000

LOCATION – Building and Room #

MANUFACTURER – Manufacturer

ASSOCIATED_SWITCHGEAR – sg000

VOLTAGE – 0000 kVa

MAIN BREAKER_SIZE – 000 amps

SPARE_CAPACITY – Yes, No

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

42. Electric Switchgears

Feature Class Type: point

ID – esg0000

LOCATION – Building and Room #

FEEDERS_IN – Feeder ID

BUILDINGS_FED – Campus Buildings

ARC_RATING – 000 amps

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

43. Electric Meters/Sub Meters

Feature Class Type: point

ID – emsm0000

LOCATION – Building and Room #

BUILDINGS_METERED – Campus buildings or specific areas/zones

TYPE – Utility, Sub

MANUFACTURER – Manufacturer Name

MODEL – CM2000, CM3000, CM4000, PM800, PML750, Energy Meter, Micrologic Type P, Other

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES -

44. Electric Manholes

Feature Class Type: point

ID – emh0000

LOCATION – Campus Location

SIZE – l x w x h

CLASSIFICATION – Racked, Feed Through, Spliced

NO_LOAD_BREAK_SWITCH–None, Cooper, Elastimold, w/Scada Contact

FEEDERS – Feeder ID

LOAD_WEIGHT_RATING – Rating

DEPTH_TO_TOP – 0.00 feet

SPARE_CONDUITS – 0000

CONDUIT_SIZE – 0.00 inches

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

HTHW & CHW Utilities

45. HTHW Pipes

Feature Class Type: Polyline

ID – hthw000

LOCATION – Floor, Trench, Tunnel, Building

TYPE – Main, Lloop, Branch, Bridge

AREA_SERVED – Loop, Building, Device

DIRECTION_OF_FLOW – Supply, Return

PRESSURE – 0.00 PSI

TEMPERATURE_RANGE – 0.00 – 0.00 degrees

PIPE_DIAMETER – 0.00 inches

PIPE_RATING – ASTM Rating

PIPE_MATERIAL – Carbon Steel, Other

PIPE_THICKNESS – Schedule 40, 80, 160

INSTALLATION_DATE – mm/dd/yyyy

ACCESSIBILITY – Yes, No

ACCESS_POINT – Campus Location

DOCUMENTS –

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

46. CHW Pipes

Feature Class Type: Polyline

ID – chw000

LOCATION – Floor, Trench, Tunnel, Building

FUNCTION – Process, Space Conditioning

TYPE – Main, Loop, Branch, Bridge

AREA_SERVED – Loop, Building, Device

DIRECTION_OF_FLOW – Supply, Return

PRESSURE – 0.00 PSI

TEMPERATURE_RANGE – 0.00 – 0.00 degrees

PIPE_DIAMETER – 0.00 inches

PIPE_RATING – ASTM Rating

PIPE_MATERIAL – Carbon Steel, Other

PIPE_THICKNESS – Schedule 40, 80, 160

INSTALLATION_DATE – mm/dd/yyyy

ACCESSIBILITY – Yes, No

ACCESS_POINT – Campus Location

DOCUMENTS –

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

47. HTHW & CHW Valves

Feature Class Type: Point

ID – hcw000

MEDIA – HTHW, CHW

TYPE – Globe, Gate, Butterfly, Ball, Other

FUNCTION – Control, Isolation

SIZE – 0.00 inches

RATING – Class Ratings

INSTALLATION_DATE – mm/dd/yyyy

AREA_SERVED – Campus Location

DIRECTION – Supply, Return

MATERIAL – Bronze, Steel, Stainless

CONNECTION_TYPE – Threaded, Welded, Other

MANUFACTURER – Manufacturer, Model

ACTUATOR – Pneumatic, Electric, Manual

ACTION – Normally Open, Normally Closed

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

48. HTHW & CHW Sensing Devices

Feature Class Type: Point

ID – hcwsd000

TYPE – Differential Pressure Sensor, Pressure Transmitters, Temperature Gauge, Meter, Other

MANUFACTURER – Manufacturer, Model

INSTALLATION_DATE – mm/dd/yyyy

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

Other Utilities

49. Abandoned Utilities

Feature Class Type: polyline

ID – au000

NAME – Campus Location

TYPE – Sewer, Drainage, Electric, Gas, Water, Other

SIZE – 00 inches

DATE_ABANDONED – mm/dd/yyyy

DATA SOURCE-

NOTES –

E. ENVIRONMENTAL

1. Vegetation

Feature Class Type: point

ID – veg000

COUNT – 0000

BOTANICAL_NAME – Botanical Name

COMMON_NAME – Common Name

DHB – 0.00

COMMENTS – Comments on condition

RANKING – 000

SUB – 000

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

2. Soils

Feature Class Type: polygon

ID – soil000

NAME – Soil Name

CLASSIFICATION –USDA Soil Classification

AREA – 0.00 acres

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

3. Wetlands

Feature Class Type: polygon

ID –wet000

CLASSIFICATION – 000

AREA – 0.00 acres

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

4. Topography

Feature Class Type: polyline

ID – top000

ELEVATION – 0.00 feet

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –

5. Aquifers

Feature Class Type: polygon

ID – aq000

TYPE – Confined, Unconfined

AREA – 0.00 acres

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

6. Hydrography

Feature Class Type: polygon

ID – hyd000

TYPE – Stream, Pond, Lake

WATER_QUALITY – Excellent, Good, Average, Poor

AREA – 0.00 Acres

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –

7. Green Space

Feature Class Type: polygon

ID – gs000

AREA – 0.00 acres

IRRIGATED – Yes, No

CONDITION – Excellent, Good, Average, Poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

DATA SOURCE-

NOTES –