Geographic Information System (GIS) Metadata Standards

Office of Campus Planning

12/19/2011
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GIS STANDARDS
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 plans on updating and maintaining the GIS with new and existing features and projects. Therefore, we will be requesting all future projects to provide updates to the five (5) standardized GIS geodatabases.

1. DATUM AND COORDINATE SYSTEM STANDARDS
   
   a. Datum
      
      Horizontal: NAD83
      
      Vertical: NAVD88
   
   b. 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

2. GIS DATA CATEGORIES
   
   The University has developed five (5) categories of geodatabases:
   
   1. Athletics and Recreation
   2. Transportation
   3. Infrastructure
   4. Utilities
   5. Environmental
   
   This is a living list that will be revisited as needed, as well as on a project by project basis. Any feature that a project changes will require an update. It is the responsibility of the contractor to check the OCP website for updates to the standards. OCP will provide the geodatabases and feature classes that are applicable to each project upon request.

3. GIS GEODATABASE ATTRIBUTES
   
   The GIS will only be as accurate as the data included within each feature in all five (5) geodatabases. 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 METADATA

1. ATHLETICS AND RECREATION

a. Athletic Fields
Feature Class Type: Polygon

ID – af000

NAME – use location 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

NOTES –

b. 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
NOTES –
c. 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
NOTES –
d. 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

NOTES –

e.  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
    NOTES –

f.  New York Giants Training Camp
    Feature Class Type:  Polyline
    ID – nyg000
    NAME – type location
CLASSIFICATION – fence, bleacher/stands, booth, pathway, other

MATERIAL – metal, wood, synthetic, other

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –
2. TRANSPORTATION

a. **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_REPAIRED – 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
   
   NOTES –

b. **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
   
   HANDICAPPED_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
NOTES –

c. 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
NOTES –
d. **Curb Ramps & Crosswalks**  
   Feature Class Type: Polygon  
   
   ID – cc000  

   NAME – campus location  

   MATERIAL – concrete, asphalt, cast iron, rubber stripe, other  

   DATE_BUILT – mm/dd/yyyy  

   CONDITION – excellent, good, average, poor  

   DATE_FEATURE_UPDATED – mm/dd/yyyy  

   NOTES –  

e. **Bus Routes**  
   Feature Class Type: Polyline  
   
   ID – busr000  

   NAME – operator route name/number  

   OPERATOR – suny, cdta, other  

   LENGTH – 0.00 feet  

   ROAD_MATERIAL – asphalt, pavement, dirt, other  

   DATE_FEATURE_UPDATED – mm/dd/yyyy  

   NOTES –  

f. **Bus Stops**  
   Feature Class Type: Point  
   
   ID – buss000  

   NAME – campus location  

   OPERATOR – cdta, university, both, other  

   GROUND_MATERIAL – asphalt, pavement, natural, other  

   SHELTER – yes, no
g. **Ramps**

Feature Class Type: Polygon

ID – ra000

NAME – campus location or building location

TYPE – curb ramp, 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

NOTES –

h. **Stairs**

Feature Class Type: Polygon

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
NOTES –

i. Bicycle Racks
Feature Class Type: Point

ID – byr000
NAME – campus location
NUMBER_OF_SPACES – 000
MATERIAL – steel, aluminum, other
TYPE – grid, u-style, wave, low profile, loop, other
LEVEL – ground, podium deck, other
COVERED – yes, no
DATE_INSTALLED – mm/dd/yyyy
DATE_REPAIRED – mm/dd/yyyy
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –
3. INFRASTRUCTURE

a. Buildings
   Feature Class Type: Polygon

   ID – bld000

   NAME – complete building identification

   AREA – 0.00 acres

   TYPE – academic, non-academic, residential, research, administration, other

   DATE_BUILT – mm/dd/yyyy

   DATE_EXTREME_REPAIRED – mm/dd/yyyy

   DATE_INTERIOR_RENOVATION – mm/dd/yyyy

   DATE_ROOF_REPAIRED – mm/dd/yyyy

   WINDOW_CONDITION – excellent, good, average, poor

   ADA_ACCESSIBILITY – yes, no

   ADJACENCIES – adjacent buildings

   EXTERIOR_LIGHTING_TYPE – standard, non-standard, other

   EXTERIOR_CONDITION – excellent, good, average, poor

   DATE_FEATURE_UPDATED – mm/dd/yyyy

   NOTES –

b. Public Art
   Feature Class Type: Point

   ID – puba000

   NAME – collection

   TYPE – academic, non-academic

   LOCATION – building location

   DATE_INSTALLED – mm/dd/yyyy
c. **Wayfinding Signage**

   Feature Class Type: Point

   ID - wfs000
   NAME – signtype000
   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
   NOTES –

d. **Transportation Signage**

   Feature Class Type: Point

   ID – trs000
   NAME – signtype000
   CLASSIFICATION – standard, non-standard
   MATERIAL – metal, aluminum, brick, synthetic, other
   STRUCTURE/MOUNT – ground, pole, building, column, other
   DATE_INSTALLED – mm/dd/yyyy
   CONDITION – excellent, good, average, poor
   DATE_FEATURE_UPDATED – mm/dd/yyyy
   NOTES –
<table>
<thead>
<tr>
<th>Feature Class Type</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flagpoles</td>
<td>fp000</td>
</tr>
<tr>
<td>Mail Boxes</td>
<td>mb000</td>
</tr>
<tr>
<td>Water Fountains</td>
<td>wdf000</td>
</tr>
</tbody>
</table>

Flagpoles
- Feature Class Type: Point
- ID – fp000
- NAME – campus location
- CLASSIFICATION – academic, non-academic
- MATERIAL – metal, aluminum, other
- DATE_INSTALLED – mm/dd/yyyy
- CONDITION – excellent, good, average, poor
- DATE_FEATURE_UPDATED – mm/dd/yyyy
- NOTES –

Mail Boxes
- Feature Class Type: Point
- ID – mb000
- NAME – campus location
- TYPE – us postal, university, other
- DATE_INSTALLED – mm/dd/yyyy
- DATE_FEATURE_UPDATED – mm/dd/yyyy
- NOTES –

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

NOTES –

f. Fences
Feature Class Type: Polyline

ID – fn000

NAME – campus location

LENGTH – 0.00 feet

MATERIAL – metal, aluminum, wood, other

DATE_REPAIRED – mm/dd/yyyy

CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –

g. Benches
Feature Class Type: Point

ID – bn000

NAME – campus location

TYPE – standard, non-standard

MATERIAL – wood, metal, concrete, other

DATE_INSTALLED – mm/dd/yyyy

CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –
### h. Trash Receptacles

**Feature Class Type:** Point

- **ID** – tr000
- **NAME** – campus location
- **TYPE** – standard plainwell, non-standard
- **DATE_INSTALLED** – mm/dd/yyyy
- **CONDITION** – excellent, good average, poor
- **DATE_FEATURE_UPDATED** – mm/dd/yyyy
- **NOTES** –

### i. Recycling Containers

**Feature Class Type:** Point

- **ID** – rc000
- **NAME** – campus location
- **TYPE** – standard doty, standard scarborough, non-standard
- **DATE_INSTALLED** – mm/dd/yyyy
- **CONDITION** – excellent, good average, poor
- **DATE_FEATURE_UPDATED** – mm/dd/yyyy
- **NOTES** –
4. UTILITIES

Sewer Utilities

a. 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, other

   CONE_SHAPE – acentric, concentric

   RISER_MATERIAL – concrete, concrete block, other

   RISER_SHAPE – round, square, rectangular

   RISER_WIDTH – 0.00 feet

   RISER_HEIGHT – 0.00 feet

   RISER_DIAMETER – 0.00 feet

   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
NOTES –

b. Sewer Pipes
Feature Class Type: polyline

ID – smh000-smh000
TYPE – gravity main, other
UPSTREAM_ID – smh000
DOWNSTREAM_ID – smh000
MATERIAL – asbestos cement, cast iron, concrete, ductile iron, pvc, reinforced concrete, solid HDPE, steel, vitrified clay

SHAPE – circular, rectangular
WIDTH – 0.00 inches
HEIGHT – 0.00 inches
DIAMETER – 0.00 inches
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
c. **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
   
   NOTES –

**Drainage Utilities**

d. **Drainage Pre-Treatment**
   Feature Class Type: point
   
   ID – dpt000
   
   DATE_INSTALLED – mm/dd/yyyy
DATE_REPAIRED – mm/dd/yyyy
TYPE – hydro pneumatic separator, settling basin
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –

e. 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
HISTORIC ID – dof000
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –

f. Drainage Structures
Feature Class Type: point

ID – dcb000
NUMBER_OF_PIPES – 000
TYPE – drainage manhole, catch basin, dry well, vault, clean out

ACCESS – accessible, unable to open, not found

TOTAL_DEPTH – 0.00 feet

COVER_TYPE – 1 hole, bar, beehive, crate, curb inlet, grate, solid, 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, other

CONE_SHAPE – acentric, concentric, flat top,

RISER_MATERIAL – concrete, concrete block, other

RISER_SHAPE – round, square, rectangular

RISER_WIDTH – 0.00 feet

RISER_HEIGHT – 0.00 feet

RISER_DIAMETER – 0.00 feet

DISTRIBUTION_BOX_MATERIAL – concrete, concrete block, other

DISTRIBUTION_BOX_SHAPE – box, cylindrical,

DISTRIBUTION_BOX_DIMENSIONS – 0.00 feet

STEPS – yes, no

RIM_ELEVATION – 0.00 feet

DATE_INSTALLED – mm/dd/yyyy

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

NOTES –

g. Drainage Trenches
Feature Class Type: polyline

ID – dtd000

ACCESS – accessible, non-accessible

UPSTREAM_INVERT – 0.00 feet

DOWNSTREAM_INVERT – 0.00 feet

COVER_MATERIAL – cast iron, plastic

TRENCH_MATERIAL – concrete, plastic, steel

DEPTH – 0.00 inches

STREET – campus location

DATE_INSTALLED – mm/dd/yyyy

HISTORIC_ID – dtd000

LENGTH – 0.00 feet

CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –

h. Drainage Pipes
Feature Class Type: polyline

ID – dcb000-dcb000

TYPE – pressure, gravity

UPSTREAM_ID – dcb000

DOWNSTREAM_ID – dcb000
MATERIAL – asbestos cement, corrugated HDPE, cast iron, concrete-lined steel, corrugated metal, concrete, ductile iron, plastic, PVC, reinforced concrete, solid HDPE, steel
SHAPE – circular, rectangular
WIDTH – 0.00 inches
HEIGHT – 0.00 inches
DIAMETER – 0.00 inches
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
UPSTREAM_DATA_SOURCE – plan, wc
DOWNSTREAM_DATA_SOURCE – plan, wc
RISE – 0.00 feet
SLOPE – 0.00 feet
LENGTH – 0.00 feet
DATE_LINED – mm/dd/yyyy
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –
i. **Surface Drainage**
   Feature Class Type: polyline

   ID – dse000
   TYPE – ditch, swale, stream, other
   NAME – campus location
   LENGTH – 0.00 feet
   CONDITION – excellent, good, average, poor
   DATE_FEATURE_UPDATED – mm/dd/yyyy
   NOTES –

j. **Subsurface Stormwater Systems**
   Feature Class Type: polyline

   ID – sss000
   TYPE – detention, retention
   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
   NOTES –
k. Surface Detention Basins
   Feature Class Type: point

   ID – detb000
   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
   NOTES –

l. Surface Retention Basins
   Feature Class Type: point

   ID – retb000
   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
   NOTES –
### Drainage Post-Treatment

**Feature Class Type:** point

- **ID:** dpt000
- **DATE_INSTALLLED:** mm/dd/yyyy
- **DATE_REPAIRED:** mm/dd/yyyy
- **TYPE:** cartridge filter, sand filter
- **CONDITION:** excellent, good, average, poor
- **DATE_FEATURE_UPDATED:** mm/dd/yyyy
- **NOTES:**

### Water Utilities

#### 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_INSTALLLED:** mm/dd/yyyy
- **CONDITION:** excellent, good, average, poor
- **DATE_FEATURE_UPDATED:** mm/dd/yyyy
- **NOTES:**
**o. Water Tanks**

Feature Class Type: point

<table>
<thead>
<tr>
<th>ID</th>
<th>DIAMETER</th>
<th>HEIGHT</th>
<th>CAPACITY</th>
<th>DATE INSTALLED</th>
<th>DATE REPAIRED</th>
<th>CONDITION</th>
<th>DATE_FEATURE_UPDATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>wt000</td>
<td>0.00 feet</td>
<td>0.00 feet</td>
<td>0.00 gallons</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**p. Water Valves**

Feature Class Type: point

<table>
<thead>
<tr>
<th>ID</th>
<th>MANUFACTURER</th>
<th>TYPE</th>
<th>ACCESS</th>
<th>DIAMETER</th>
<th>OPEN</th>
<th>DATE INSTALLED</th>
<th>DATE EXERCISED</th>
<th>LOCATION</th>
<th>HISTORIC_ID</th>
<th>ELEVATION</th>
<th>MATERIAL_CONDITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>wgv000</td>
<td>manufacturer</td>
<td>gate, butterfly, other</td>
<td>accessible, not found, paved over, unable to open</td>
<td>0.00 inches</td>
<td>clockwise, counterclockwise</td>
<td>mm/dd/yyyy</td>
<td>mm/dd/yyyy</td>
<td>ditch, driveway, lawn, parking lot, roadway, sidewalk, water, woods, other</td>
<td>wgv000</td>
<td>0.00 feet</td>
<td>excellent, good, average, poor</td>
</tr>
</tbody>
</table>
q. 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_LOCATION – campus location
DATE_INSTALLED – mm/dd/yyyy
HISTORIC_ID – wre000
LOCATION – lawn, parking lot, sidewalk, other
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –

r. Water Pipes
Feature Class Type: polyline

ID – wp000
TYPE – main, hydrant lateral, service lateral, other
DIAMETER – 0.00 inches
MATERIAL – copper, ductile iron, cast iron
LOCATION – campus location
DATE_INSTALLED – mm/dd/yyyy
STREET - campus location
CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –

s. Water Hydrants
Feature Class Type: point

ID – why000

TYPE – fire, utility/yard, other

DATE_INSTALLED – mm/dd/yyyy

STREET – campus location

LOCATION – lawn, parking lot, sidewalk, other

HISTORIC_ID – why000

ELEVATION – 0.00 feet

CAMPUS – yes, no

CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –

Irrigation Utilities

I. Irrigation Hose Bibs
Feature Class Type: point

ID – ihb000

LOCATION – campus location

DATE_INSTALLED – mm/dd/yyyy

CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –
u. **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
   - **NOTES** –

v. **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
   - **NOTES** –

w. **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
   - **NOTES** –
x. 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
NOTES –

y. 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
NOTES –

z. 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
NOTES –

aa. **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  
NOTES –

bb. **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  
NOTES –

cc. **Irrigation Sprinklers**  
Feature Class Type: point

ID – ispr000  
LOCATION – campus location  
DATE_INSTALLED – mm/dd/yyyy  
DATE_REPAIRED – mm/dd/yyyy
CONDITION – excellent, good, average, poor

DATE_FEATURE_UPDATED – mm/dd/yyyy

NOTES –

dd. **Irrigation Pipes**
   Feature Class Type: polyline

   ID – ipip000

   TYPE – lateral unpressurized, mainline, supply pipe

   DATE_INSTALLED – mm/dd/yyyy

   STREET – campus location

   CONDITION – excellent, good, average, poor

   DATE_FEATURE_UPDATED – mm/dd/yyyy

   NOTES –

Gas Utilities

ee. **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

   NOTES –

ff. **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
NOTES –

**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
LENGTH – 0.00 feet
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –

**Electrical Utilities**

**Light Poles**
Feature Class Type: Point

ID – lp0000
NAME – campus location000
CLASSIFICATION – parking lot, roadway, pedestrian
MATERIAL – aluminum, steel, fiberglass, other
NUMBER_OF_BULBS – 000
BULB_TYPE – led, halogen, incandescent, other
WATTAGE – 0000w
CIRCUIT – 0000circuit
HEAD_TYPE – standard, non-standard
BASE_TYPE – standard, non-standard
BANNER – yes/no
BANNER_TYPE – purple, yellow, athletics, other
BANNER_CONDITION – excellent, good, average, poor
DATE_INSTALLED – mm/dd/yyyy
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES –

ii. Blue Lights
Feature Class Type: point
ID – bl000
NAME – campus location000
CLASSIFICATION – light pole, non-light pole
DATE INSTALLED – mm/dd/yyyy
DATE REPAIRED – mm/dd/yyyy
CONDITION – excellent, good, average, poor
DATE_FEATURE_UPDATED – mm/dd/yyyy
NOTES -
jj. **Aboveground Telecommunication**
Feature Class Type: polyline/point

<table>
<thead>
<tr>
<th>ID</th>
<th>atu000</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME</td>
<td>campus location</td>
</tr>
<tr>
<td>TYPE</td>
<td>pole, line, other</td>
</tr>
<tr>
<td>CLASSIFICATION</td>
<td>television, communication, broadband</td>
</tr>
<tr>
<td>DATE_INSTALLED</td>
<td>mm/dd/yyyy</td>
</tr>
<tr>
<td>CONDITION</td>
<td>excellent, good, average, poor</td>
</tr>
<tr>
<td>DATE_FEATURE_UPDATED</td>
<td>mm/dd/yyyy</td>
</tr>
<tr>
<td>NOTES</td>
<td>–</td>
</tr>
</tbody>
</table>

kk. **Belowground Telecommunication**
Feature Class Type: polyline/point

<table>
<thead>
<tr>
<th>ID</th>
<th>btu000</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME</td>
<td>campus location</td>
</tr>
<tr>
<td>CLASSIFICATION</td>
<td>television, communication, broadband</td>
</tr>
<tr>
<td>DATE_INSTALLED</td>
<td>mm/dd/yyyy</td>
</tr>
<tr>
<td>CONDITION</td>
<td>excellent, good, average, poor</td>
</tr>
<tr>
<td>DATE_FEATURE_UPDATED</td>
<td>mm/dd/yyyy</td>
</tr>
<tr>
<td>NOTES</td>
<td>–</td>
</tr>
</tbody>
</table>
5. ENVIRONMENTAL

a. 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
   NOTES –

b. Soils
   Feature Class Type: polygon
   ID – soil000
   NAME – soil name
   CLASSIFICATION – usda soil classification
   AREA – 0.00 acres
   CONDITION – excellent, good, average, poor
   DATE_FEATURE_UPDATED – mm/dd/yyyy
   NOTES –
c. **Wetlands**  
Feature Class Type: polygon  
ID – wet000  
CLASSIFICATION – 000  
AREA – 0.00 acres  
DATE_FEATURE_UPDATED – mm/dd/yyyy  
NOTES –  

d. **Topography**  
Feature Class Type: polyline  
ID – top000  
ELEVATION – 0.00 feet  
DATE_FEATURE_UPDATED – mm/dd/yyyy  
NOTES –  

e. **Aquifers**  
Feature Class Type: polygon  
ID – aq000  
TYPE – confined, unconfined  
AREA – 0.00 acres  
DATEFEATURE_UPDATED – mm/dd/yyyy  
NOTES –  

f. **Hydrography**  
Feature Class Type: polygon  
ID – hyd000  
TYPE – stream, pond, lake  
WATER_QUALITY – excellent, good, average, poor
g. **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  
**NOTES** –