Geographic Information System (GIS) Geodatabase Standards

Office of Campus Planning

UPDATE:
11/16/2015
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<td>Public Art</td>
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<td>3</td>
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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
## 3. Athletic Tracks

<table>
<thead>
<tr>
<th>Field</th>
<th>Feature Class Type</th>
<th>ID</th>
<th>NAME</th>
<th>CLASSIFICATION</th>
<th>MATERIAL</th>
<th>DATE_BUILT</th>
<th>LENGTH</th>
<th>AREA</th>
<th>CONDITION</th>
<th>DATE_FEATURE_UPDATED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Polygon</td>
<td>tr000</td>
<td>use location track</td>
<td>Competitive, Non-Competitive</td>
<td>Synthetic, Natural</td>
<td>mm/dd/yyyy</td>
<td>0.00 feet</td>
<td>0.00 feet</td>
<td>Excellent, Good, Average, Poor</td>
<td>mm/dd/yyyy</td>
</tr>
</tbody>
</table>

## 4. Recreation Fields

<table>
<thead>
<tr>
<th>Field</th>
<th>Feature Class Type</th>
<th>ID</th>
<th>NAME</th>
<th>CLASSIFICATION</th>
<th>DATE_BUILT</th>
<th>LENGTH</th>
<th>AREA</th>
<th>CONDITION</th>
<th>DATE_FEATURE_UPDATED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Polygon</td>
<td>rf000</td>
<td>use location field</td>
<td>Intramural, Open, Batting Cage</td>
<td>mm/dd/yyyy</td>
<td>0.00 feet</td>
<td>0.00 feet</td>
<td>Excellent, Good, Average, Poor</td>
<td>mm/dd/yyyy</td>
</tr>
</tbody>
</table>
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
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
9. **Stairs**

   Feature Class Type: Point

   ID – st000

   NAME – Building Location or Campus Location

   WIDTH – 0.00 feet

   LENGTH – 0.00 feet

   NUMBER_OF_TREDS – 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

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<td>bldg0000</td>
</tr>
<tr>
<td>BLDG_CODE</td>
<td>PSI number</td>
</tr>
<tr>
<td>BLDG_NAME</td>
<td>Building Name</td>
</tr>
<tr>
<td>CAMPUS</td>
<td>Uptown, Downtown, East, Alumni</td>
</tr>
<tr>
<td>ABBREVIATION</td>
<td>PSI abbreviation XX(XXXX)</td>
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<tr>
<td>DATE_CONSTRUCTED</td>
<td>mm/dd/yyyy</td>
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<td>DATE_OCCUPIED</td>
<td>mm/dd/yyyy</td>
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<td>ROOF_GSF</td>
<td>0 sq ft</td>
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<td>EX_FRAMING</td>
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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
   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

UPSTREAMDEPTH – 0.00 feet

DOWNSTREAMDEPTH – 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


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

RELINE – 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
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
17. Water Reducers
Feature Class Type: point

HISTORIC_ID – wre000
ELEVATION – 0.00 feet
ON_CAMPUS – Yes, No
DATE_EXCERCISED - mm/dd/yyyy
DATE_FEATURE_UPDATED – mm/dd/yyyy
DATA SOURCE-
NOTES –

18. Water Pipes
Feature Class Type: polyline

HISTORIC_ID – wre000
ELEVATION – 0.00 feet
ON_CAMPUS – Yes, No
DATE_EXCERCISED - mm/dd/yyyy
DATE_FEATURE_UPDATED – mm/dd/yyyy
DATA SOURCE-
NOTES –
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 – Lawn, 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 Location  
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 CONSTRUCTION – 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_COPPERPAIR – 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
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, 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 –
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 – hbw000
   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 – hcsd000
   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 –