SITE/UTILITY RECORD PLAN REQUIREMENTS

MAPPING

- Full existing condition utility and topography survey in NAVD88 vertical datum and NAD83 horizontal datum, state plane coordinate system in GIS format so it can be incorporated into the existing campus GIS.

- GIS information and data to be prepared and submitted in accordance with current University at Albany Geographic Information System (GIS) Metadata Standards.

- Consultants will be responsible for updating the GIS mapping. (Land use, utilities, planimetrics, topography, etc.)

- Provide record drawings on both electronic and paper, of storm and sanitary sewers including rim elevations, pipe inverts, pipe length and slopes, water system with fitting, materials, valve and hydrant locations, building locations, parking lots, roads, and detention basin grading in AutoCAD and GIS format.

STORMWATER SYSTEM

- O&M Manual for stormwater management facilities consistent with NYSDEC General Stormwater Permit.

- SWPPP with HydroCAD files in both paper and electronic format tied to Stormwater Master Plan both project and overall University Stormwater Master Plan. Provide matrix for selection of stormwater treatment method.

- HydroCAD overlaid onto AutoCAD drawing, so HydroCAD schematic follows storm sewer system.

- Basis of design mapping for each storm sewer catch basin and stormwater management area showing existing/proposed topography, storm system with rims, inverts, pipe sizes, pipe slopes, stormwater management areas outlets/inlets, land use, soils (A,B,C,D), runoff curve number, times of concentration, storm routing and drainage areas (does not need to be all on one map).

- Stage/storage/discharge relationships in table format for each stormwater management area.

- Water quality and green infrastructure calculations with mapping.

SANITARY SEWER SYSTEM

- Design parameters used for estimation of wastewater flow projections.

- Provide SewerGems model and incorporate into the campus model.

12/5/11

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