



- POLICY DOCUMENT -  
SUSSEX COUNTY ENGINEERING DEPARTMENT

APPROVED / REVISED

DATE: 11/21/07

BY: [Signature]

**AS BUILT / RECORD DRAWING REQUIREMENTS FOR  
COUNTY OWNED UTILITIES**

**GENERAL REQUIREMENTS**

Geographical reference shall be NAD83. (Real world coordinates)

Vertical datum shall be NAVD88.

All sewer information is to be green.

All water information is to be blue.

Indicate street names, lot numbers and parcel numbers.

All CAD as built information shall be drawn in model space.

Provide one (1) C.D. of the final as built information in AutoCAD 2000 format.

Provide two (2) paper copy sets marked "as built" signed and sealed by a Delaware licensed surveyor.

**GRAVITY SEWER MAIN (Should be on its own layer.)**

Show distance of the sewer main from manhole to manhole. (Continuous runs are not acceptable.)

Show slope of the sewer main. Example ( .0028 )

Show flow arrows.

Indicate pipe size and material. Example (10" PVC, 18" DIP, etc...)

**MANHOLES (Should be on its own layer.)**

Show manhole numbers.

Show manhole rim elevations.

Show inverts of all sewer pipes connected to the manhole. Note -- Centerline of channel is acceptable when all pipes are the same diameter and same general elevation --

**SERVICE LATERALS (Should be on its own layer.)**

Show all connections to sewer and/or water main.

Indicate stationing of wyes and/or service laterals. (station by MH for sewer -- by nearest valve for water)

Show stationing of the all sewer cleanouts and water meter pits using left/right offset distance from the mainline to cleanout or meter pit.

**SEWER FORCE MAIN (Should be on its own layer.)**

Show length of force main in 100' increments from beginning to end.

Show stationing of all bends, valves, hydrants, air release valves, connections, etc...

Provide stationing of any change in pipe materials or unique features. (directional drill, casing pipe, etc.)

Provide distances from FM pipe to permanent structures, utility poles, etc... when feasible.

Indicate size and type of pipe.

**PUMP STATION (Should be on its own layer.)**

Show all property corners, and indicate metes and bonds if available.

Indicate location of components. (Electrical cabinet, generator, odor control unit, fencing, etc..)

Show location and identify all valves, provide 2 points of measurement for valves when possible.