



City Utilities
Design Standards
Manual

1. GENERAL PROJECT INFORMATION

Project Name: _____

Project Description: _____

Project Location (Attach Map): _____

2. HORIZONTAL AND VERTICAL CONTROL

Where are improvements located? (Circle one) *Public ROW* *Existing Easements* *Proposed Easements*

What horizontal datum is required? (Circle one) *NAD83 IN States Plane, East Zone, US Foot (IN83-EF)*

Assumed Coordinates

What vertical datum is required? (Circle one) *North American Vertical Datum of 1988* *Match Existing Project*

National Geodetic Vertical Datum of 1929

3. AREA TO BE SURVEYED

___ Survey Corridor as defined on the attached map

___ Other: _____

4. PLANIMETRIC FEATURES TO BE IDENTIFIED

Boundary Lines

___ Property Lines

___ Lot Lines

___ Right-of-Way Lines

___ Easement Lines ___ as Originally Platted (Deed Book and Pg. Number) ___ per Title Search/Property Deed

___ Other: _____

Synthetic Improvements (Check): ___ **ALL ITEMS BELOW located within the survey limits area.**

___ Streets ___ Names ___ Pavement Markings

___ Signals ___ Types ___ Material

___ Curbs ___ Types ___ Material

___ Signs ___ Types ___ Material

___ Driveways ___ Types ___ Material

___ Pipe End Sections ___ Types ___ Sizes ___ Material

___ Buildings ___ House Numbers ___ Property Owners' Names

___ Walks ___ Material ___ Steps ___ Material

___ Parking Lots ___ Material ___ Pavement Markings/Striping



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4. PLANIMETRIC FEATURES TO BE IDENTIFIED (CONTINUED)

Synthetic Improvements (Continued) **ALL ITEMS BELOW located within the survey limits area.**

- Head or Retaining Walls (Top & bottom) Types Sizes Material
- Bridges or Culverts Types Sizes Material
- Fences Types Sizes Material
- Other:

Landscaping **ALL ITEMS BELOW located within the survey limits area.**

- Trees Types Sizes (Drip line & Diameter at Breast Height (DBH))
(All Trees with DBH of " and greater)
- Shrubs Types Sizes
- Gardens
- Timbers Types
- Decorative Stone or Rock
- Ponds, Lakes
- Creeks, Streams, Ditches, or Rivers (Centerlines, Top of Banks, Bottom of Banks)
- Bricks Types Sizes

Utility Appurtenances (Check) All utilities shall be field located and marked prior to survey

 ALL ITEMS BELOW located within the survey limits area.

- All Sewer Structures (Structure Data Sheet, shall be completed for each sewer structure)
- Towers Types ID Number
- Poles Types ID Number
- Pedestals Types Sizes
- Manhole Covers Types Sizes
- Vault Lids Types Sizes
- Valve Box Covers Types Sizes
- Meter Box/Vault Covers Types Sizes
- Service Box Covers Types Sizes
- Cleanouts Types Sizes
- Fire Hydrants
- All Underground Utility Lines Types Sizes
- All Overhead Utility Lines Types
- Other:

Miscellaneous **ALL ITEMS BELOW located within the survey limits area.**

- Soundings and Borings Pavement Cores Rock Soundings
- Wet Delineation Flags
- High Water Marks
- Utility Pot Holes
- Other:

5. TOPOGRAPHIC INFORMATION REQUIRED

- Survey Line Profile at Foot Intervals
- Cross Sections at Foot Intervals
- Contours Lines at Foot increment
- Ground Elevations at Foot square grid
- Pavement Elevations at Foot square grid
- Basement Elevations Basement Elevation Certification
- Finished Floor Elevations Lowest Opening Elevation
- All Sewer Structures (Including all information on Exhibit GR6-6 (Structure Data Sheets))
- X All Sewer Pipe Ends (Inverts at Upstream and Downstream Structures including those outside survey area)



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Exhibit GR6-5

Surveying Scope Checklist for Design Surveys, Page 3 of 3

Created: October 20, 2011

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5. TOPOGRAPHIC INFORMATION REQUIRED (CONTINUED)

- _____ Overhead Utility Line Elevations
- _____ Overhead Clearance Elevations
- _____ Drive Elevations
- _____ Flood Grade Elevations
- _____ Garage Floor Elevations
- _____ Private Walk, Steps, and Entranceway Elevations _____ADA Accesses Detailed
- _____ Center Line of Ditch Elevations
- _____ Top of Bank - Toe of Slope Elevations
- _____ River/Ditch Cross-Sections at _____ intervals _____As identified on Attached Map
- _____ Water Surface Elevation _____Apparent High Water Elevation

6. SPECIAL SURVEYS (All Special Surveys need defined in specs or removed from this list.)

- _____ Property _____Original _____Retracement
- _____ Railroad
- _____ Highway
- _____ ALTA Boundary Survey (Table A Items Attached)
- _____ Location Control Route Survey Plat (Easement Acquisitions)
- _____ Record Drawing Survey
- _____ Other_____

7. DELIVERABLES

All deliverables and submittals shall be submitted to Fort Wayne City Utilities Engineering and shall conform to all pertinent sections of the City Utilities Design Standards Manual as well as to all other requirements specified. Examples from the City Utilities Design Standards Manual include, but are not limited to, Section GR6 (General Requirements Surveying) and all sections (CADD1 – CADD7) of the CADD Standards.