



**City Utilities
Design Standards
Manual**

Exhibit GR6-5 Surveying Scope Checklist for Design Surveys

Version: July 2023

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1. GENERAL PROJECT INFORMATION

Project Name: _____

Project Description:

Project Location (Attach Map):

2. HORIZONTAL AND VERTICAL CONTROL

Where are improvements located? (Check All Applicable) *Public ROW* *Existing Easements* *Proposed Easements*

Horizontal datum required: *North American Datum of 1983, Indiana States Plane, East Zone, US Foot (IN83-EF)*

What vertical datum is required? (Check 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) Length/Width/Height Material Thickness
 Bridges or Culverts Sizes Material
 Fences Material Height
 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 ID Number Owned By
 Poles ID Number Owned By # Transformers Street Lights
 Pedestals Sizes Owned By
 Manhole Covers Sizes Material
 Vault Lids Sizes Material
 Valve Box Covers Sizes Material
 Meter Box/Vault Covers Sizes Material
 Service Box Covers Sizes Material
 Cleanouts Sizes Material
 Fire Hydrants
 All Underground Utility Lines Utility Sizes
 All Overhead Utility Lines Utility
 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 (NTS: Typically leave blank)
 Cross Sections at Foot Intervals
 Ground Elevations at Foot square grid (NTS: Typically 50')
 Pavement Elevations at Foot square grid (NTS: Typically 50')
 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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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 – CADD8) of the CADD Standards.