

Checklist for Record Drawing Submittal

	Digital Requirements (no hard copies necessary)
	Project Name
	Agreement #
	Engineer Name and Phone #
	Per the main extension agreement Record Drawings must be stamped with Engineer's seal.
	Record Drawings submitted without PE seal will be rejected. DWG does not need PE seal.
	Diameter and Material Shown (must match final cost form)
	Length between ALL fittings, Valves, Hydrants, Encasements, etc.
	Show existing main and location of tie-in (<u>Must show Northing/Easting of tie-in</u>)
	Linear feet match Final Cost Form
	Record Drawing submitted in PDF and .dwg formats
	.dwg is in NAD83 East/West Correct Northing/Easting at tie-in location
	Fitting size and type shown
	Amount of valves/hydrants match Final Cost Form
	Valve size and type shown (must match final cost form)
	<u>Other Information</u>
	Easement Shown with Instrument Number (if applicable)
	Recorded Plat with address list

DOMESTIC METER LATERALS SHOULD NOT BE SHOWN ON THE AS-BUILTS INAW DETERMINES THE LOCATION OF THE TAPS, LATERALS AND PITS WHEN THE METER IS ORDERED. AS-BUILTS SHOULD ONLY SHOW WHAT WAS ACTUALLY INSTALLED

NOTE: AS OF 1/1/2018 WE NO LONGER REQUIRE HYDRANT ASSEMBLY, BLOW-OFF, OR VALVE CARDS.

INDIANA-AMERICAN WATER COMPANY, INC. MINIMUM STANDARDS FOR RECORD DRAWINGS

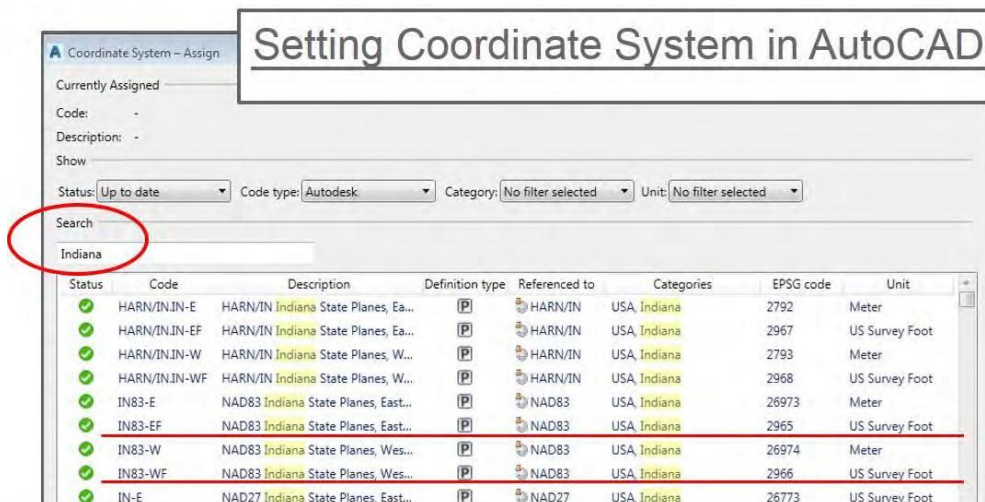
Hard copies not required

Digital Record Drawing Requirements Overview

1. All files shall be submitted via email, electronic file link, CD or Thumbdrive.
2. Provide Record Drawing in AutoCAD format (.dwg) (Readable by version 2004 or newer).
3. Provide Record Drawing in Adobe Acrobat format (.pdf) with PE seal.
4. The CD label or Thumbdrive shall include the following:
 - a. Engineering Company Name
 - b. Project Name
 - c. Agreement number

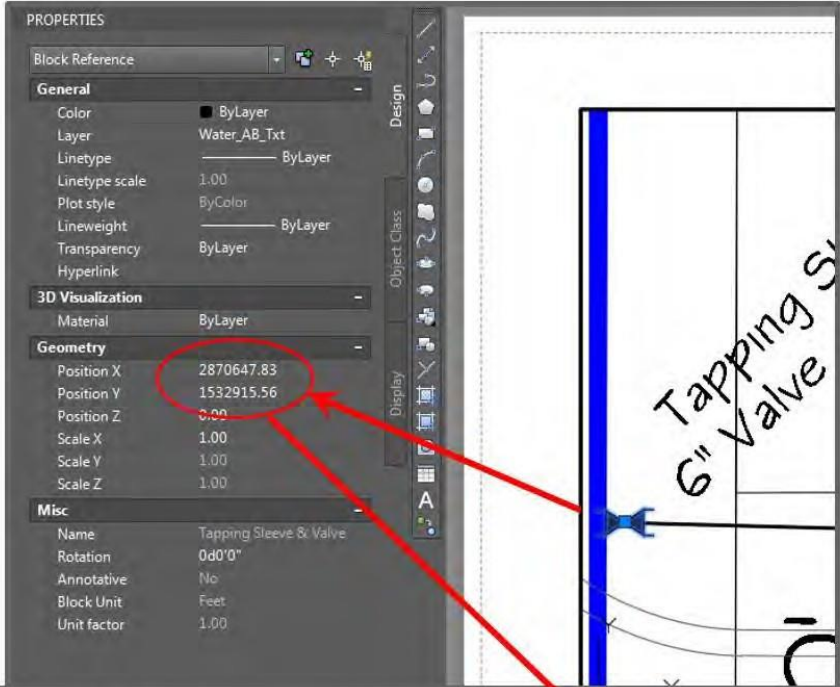
Record Drawings submitted in .dwg & .pdf shall meet the following requirements:

- a. Autocad file will be in either [NAD83 Indiana State Plane East – Feet] or [NAD83 Indiana State Plane West – Feet] coordinate system, depending on location in the state – Please see exhibit below.



- b. AutoCAD file will be drawn at correct location within coordinate system.

Accurately Drawn Tie in Locations



Decimal feet, NAD83, Indiana State Plane Grid, Elevation Datum NAVD88.

Label	Description	Northing	Easting
TRV-100	6" Valve	1532915.560	2870647.827

This example shows how the valve drawn in the correct coordinate system will display the same coordinates as the Northing and Easting Table. All tie in locations (tapping valve, sleeve, etc.) will have Northing and Eastings in table format and be accurately drawn on the map.

- c. Valves, hydrants, fittings, air release valves, encasements, appurtenances, and flush-outs are to be identified, with size and type.
- d. Table showing Northing and Easting (**Point of Beginning**) for all tie-in locations. This includes all tapping valves and sleeves and all extensions from existing main.
- e. For *existing* water mains, only show portion connecting to newly installed main.
- f. All easements need to be drawn as closed polygons on a single AutoCAD layer.

- g.** Water mains shall include diameter, material, and thrust block locations. Indicate lengths along water main between all fittings, valves, and other appurtenances. Water service lines and meter pits that are not installed at the time of the main shall not be included on the Record Drawing. Record Drawings should only show what has been installed, not proposed.
- h.** Show as a block on the bottom right of as-built:
Agreement #: _____
In-Service Date: (leave blank, this will be filled in when project is accepted)
Designed by: _____
Record Drawing by: _____
- i.** Record Drawing (.pdf) must be stamped by a registered Professional Engineer.

Plat Requirements

CAD/GIS/GPS files of the recorded Plat Map with Addresses in the following coordinates:

- NAD_1983_StatePlane_Indiana_East_FIPS_1301_Feet *or*
- NAD_1983_StatePlane_Indiana_West_FIPS_1301_Feet