



## RECORD DRAWING (AS-BUILT) STANDARDS

- a. Proposal drawing(s) to be submitted on 8 1/2" X 11" or 11" X 17" prints.
- b. Drawing(s) to include plan/profile format and overview at a scale of 1" = 2,000'.
- c. Drawing(s) to be in CAD preferably AutoCAD .dwg format, GIS Shapefile (must include an associated .prj file projection) and in Adobe Acrobat .pdf format.
- d. Record drawings to be submitted: one copy on paper and one copy in electronic format on CD's, DVD's or via email, or as otherwise approved by Channel Development.
- e. Drawing(s) to include, but not be limited to, the following information:
  1. NAD 1983 StatePlane Texas South Central FIPS 4204 (Feet) coordinates for the beginning and end points of the project, and routing (distance and direction) in plan view.
  2. If GPS was used to collect the coordinates, include the accuracy level of the collection device and whether the data was differentially corrected.
  3. Survey ties to adjacent topography and property corners.
  4. Deed filing information.
  5. MLLW elevations with nearest U.S.C.G.S. benchmark and year datum.
  6. Size and material of pipelines, products, and maximum pressure rating.
  7. Method of construction (open cut, directional drilling, etc.).
  8. Dates of construction, contractor, and owner with address and phone number.
  9. Description of cathodic protection and coatings.
  10. If in PTRAs easements, ties to nearest Mile Post.
  11. If crossing Houston Ship Channel, show U. S. Army Corps of Engineers centerline stationing and angle of crossing at centerline, show channel cut template to scale along the Pipeline.
  12. If consent of other agencies is needed provide signoff block and acquire signoffs.
  13. Indexes, title blocks, legends, scales, and other notes shall be consistent with generally accepted standards of the engineering professions.

**Note:** If this is a renewal agreement and there is no record drawing in the file, alignment sheets may be submitted in lieu of record drawings. Port Authority will also accept mark-ups of the proposed drawing in the file.

Contact the Channel Development Department at 713-670-2441 or [chandev@poha.com](mailto:chandev@poha.com) for assistance regarding any of the above requirements.