Pipeline Route Selection Process
Valley Lateral Project

**Route Selection Example**

**Step One – Preliminary Routing Analysis (top left):**
- Gas service required from mainline to location of new facility.
- GIS and other available record data are compiled to evaluate the ability to co-locate with other existing utilities to minimize land impact.
- A preliminary route with alternates is produced in preparation for a site visit.

**Step Two – Pre-survey Field Visit (top right):**
- With access permission, representatives from the pipeline team with land, environmental, design and construction expertise meet in the field to review the proposed route to define the survey corridor.
- The team identifies potential issues regarding:
  - Environmentally sensitive areas (delineated wetlands or waters of the state, protected species, etc.)
  - Constructability concerns (workspace restrictions, side slope, crossings)
  - General routing preferences due to previous coordination with landowners or field conditions.
- The route is revised to provide a survey corridor.

**Step Three – Surveyed Route (bottom left):**
- Corridor has been surveyed for:
  - Civil
  - Environmental (biological and cultural)
  - Archaeological data
  - LiDAR or aerial survey
- The detailed design is updated to include survey findings, valve sites, and access roads.

**Step Four – Construction/As Built (bottom right):**
- Construction kicks off following iterations of design and detailed review, landowner partnership, and permitting.
- Environmental and construction inspectors and survey crews monitor and track construction process.
- Pipe is tested to ensure safety.
- “As-built” data is processed for the completed pipeline to be commissioned.

Example images courtesy of AECOM