



## Petroleum Restoration Program PROFESSIONAL LAND SURVEY (PLS) GUIDANCE

A Professional Land Survey (PLS) should be performed on sites where Remedial Action Construction (RAC) or Source Removal (SR) will take place. PLSs are generally not necessary for assessment work unless there is a question regarding property boundaries. A PLS may also be necessary when engineering controls are part of a conditional closure.

When tasked, the PLS should be used as the base map for a site. The PLS to be performed by Florida licensed professional land surveyor. Includes survey plat, field notes showing site boundaries and easements, legal description, and metes and bounds description. Digital CAD data and Adobe Acrobat™ PDF file of the plat shall be submitted electronically as an e-mail attachment. The electronic copy should be forwarded to the PRP (or contracted local program, as appropriate).

The following should also be noted when scoping a PLS:

- 1) It will usually be necessary to update the map prior to construction, but in some cases this may not require a second professional survey.
- 2) This task does not include the Receptor Survey and Exposure Pathway Identification and the Site Reconnaissance/Field Measurement Visit.
- 3) Oversight time should not be allowed for this task. The Contractor should coordinate the PLS's survey with another on-site task, such as the Receptor Survey and Exposure Pathway Identification and the Site Reconnaissance/Field Measurement Visit.
- 4) The site plan shall be submitted in Digital CAD data and Adobe Acrobat™ PDF file.
- 5) Digital data shall be submitted as an e-mail attachment if within size limitations, or on a CD if too large. Data shall also be made available electronically to other DEP contractors at the request of the DEP Project Manager.

The PLS shall include the following:

- A) Designation of North direction;
- B) The scale of the drawing (the scale should be written and represented as a bar scale);
- C) The date of the field survey;
- D) The location of the property in relation to bordering roads and streets, neighboring properties and the locations of the property entrances from the roadway. Business names and street addresses of adjoining properties should be marked on the site plan;
- E) Property boundaries and right-of-ways;
- F) Accurate dimensions and locations of the foundation outlines of any existing structures on the subject property, including buildings, pump islands, tank areas, UST vents, septic drain fields and treatment systems;

- G) Accurate dimensions and locations of the foundation outlines of any existing structures that establish a reasonably continuous and uniform construction line, including any permanent walls or fences;
- H) Accurate location and elevation of top-of-casing for any existing monitoring wells or compliance wells, including on-site wells and any off-site wells, as identified by the Contractor or FDEP, associated with the subject property (elevation may be referenced to an arbitrary datum);
- I) Location and type of all surface cover materials, including asphalt, concrete, bare soil, vegetation, lawns and landscaping;
- J) Location and type of any surface features not covered above, including overhead and above ground utilities, fire hydrants, communication poles or boxes, transformer enclosures, well pumps and pump enclosures and free standing satellite dishes;
- K) Location and dimensions of all major underground utilities or structures that are evidenced by manholes, fill port covers, monitoring point covers, significant visible pavement repairs or saw cuts (including remediation system piping trenches if visible), storm sewer grates and utility marking posts;
- L) Accurate dimensions and locations of any surface features in the immediate (contiguous or adjacent) areas, including surface water bodies of any sort (canals, streams, creeks, rivers, pools, ponds, lakes, including storm water retention ponds), or surface relief (ditches, swales, berms, ravines, gullies, sinkholes);
- M) The digital signature and seal of the surveyor who performed the survey; and
- N) Any other site-specific information required to make a complete site map.