UL Commercial Surface Department Easement/Surface Site Survey/Plat Guidelines

Please review all pages of this document as the following pages contain acceptable examples of survey plat types

1. Application – Either Easement (Pipeline, Powerline, or Road), Commercial Surface Site, Off Lease Drill Site, or Frac Pit can be found at the following link - http://utlands.utsystem.edu/Resources

2. Digital Survey Data: Shapefile (.shp) – ESRI’s shapefile consist of several files so it needs to be zipped.
   - Easements – Provide one shapefile for entire length of Centerline (do not break up in Sections) - nothing else – no ROW width or temp workspace!
   - Surface site – Provide one shapefile representing site footprint (no well heads, access roads, or site infrastructure)
   - Shapefile should consist of only what is to be leased/placed under Legally Binding Agreement
   - Mandatory files that need to be zipped
     - .shp – shape
     - .shx – shape index
     - .dbf – attribute
     - .prj – projection

3. Survey Plat – PDF (See Examples on following pages)
   - Tie into known UL Section Monument
   - Easements – Provide only a centerline description (do not indicate ROW width or temporary workspace anywhere on the plat) The contract will convey those terms
   - Easements - No reference to “Permanent Easement”
   - Easements – Maximum of four Sections per plat page and only show as many sections as necessary
   - Easements – Do not commingling easements or easement types on a plat (show only what is to be leased (do not include roads, crosslines, or surface sites)
   - Surface site – Show entire section and partial section(s) if needed – see example
   - Surface site – Show detail of site if needed (zoomed in)
   - Surface site – Include Legal Description, and describe as one site (one acreage total)
   - Surface site – Show entire parcel to be leased as one site (reserve pit must be included in acreage total for an off lease drill site)
   - Surface site – Show only what is to be leased (do not include roads, crosslines, flowlines, or other surface sites)

Plats should be constructed with the following Datum:

BASIS OF BEARING, COORDINATES, AND DISTANCES WILL BE LAMBERT CONICAL PROJECTION OF THE COORDINATE SYSTEM, STATE PLANE GRID, NAD 83, TEXAS CENTRAL (4203)

Email all the above to ULRW@utsystem.edu
Tie into UL Monument

Good example of an Easement no more than 4 sections

EXHIBIT "B"
EASEMENT CENTERLINE LENGTH
20,470.7 FEET = 1,240.6 RODS

LINE TABLE

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>BEARING</th>
<th>LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>58°24'14&quot;E</td>
<td>3,481.2'</td>
</tr>
<tr>
<td>L2</td>
<td>58°24'35&quot;E</td>
<td>386.3'</td>
</tr>
<tr>
<td>L3</td>
<td>58°45'10&quot;E</td>
<td>1,549.8'</td>
</tr>
<tr>
<td>L4</td>
<td>58°18'24&quot;E</td>
<td>268.9'</td>
</tr>
<tr>
<td>L5</td>
<td>57°59'10&quot;E</td>
<td>123.8'</td>
</tr>
<tr>
<td>L6</td>
<td>58°50'13&quot;E</td>
<td>577.8'</td>
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<tr>
<td>L7</td>
<td>58°41'50&quot;E</td>
<td>1,781.4'</td>
</tr>
<tr>
<td>L8</td>
<td>58°47'17&quot;E</td>
<td>3,054.3'</td>
</tr>
<tr>
<td>L9</td>
<td>58°37'03&quot;E</td>
<td>244.7'</td>
</tr>
<tr>
<td>L10</td>
<td>58°44'14&quot;E</td>
<td>1,295.0'</td>
</tr>
</tbody>
</table>

LINE TABLE

<table>
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<th>BEARING</th>
<th>LENGTH</th>
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</thead>
<tbody>
<tr>
<td>L11</td>
<td>58°51'09&quot;E</td>
<td>1,403.6'</td>
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<tr>
<td>L12</td>
<td>58°55'24&quot;E</td>
<td>169.5'</td>
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<tr>
<td>L13</td>
<td>58°36'32&quot;E</td>
<td>209.5'</td>
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<tr>
<td>L14</td>
<td>58°21'26&quot;E</td>
<td>86.2'</td>
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<tr>
<td>L15</td>
<td>56°43'48&quot;E</td>
<td>78.5'</td>
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<tr>
<td>L16</td>
<td>57°32'12&quot;E</td>
<td>1,261.5'</td>
</tr>
<tr>
<td>L17</td>
<td>57°52'27&quot;E</td>
<td>325.8'</td>
</tr>
<tr>
<td>L18</td>
<td>58°05'04&quot;E</td>
<td>20.2'</td>
</tr>
<tr>
<td>L19</td>
<td>57°48'32&quot;E</td>
<td>1,090.1'</td>
</tr>
<tr>
<td>L20</td>
<td>58°44'09&quot;E</td>
<td>75.7'</td>
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</tbody>
</table>

LINE TABLE

<table>
<thead>
<tr>
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<th>BEARING</th>
<th>LENGTH</th>
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</thead>
<tbody>
<tr>
<td>L25</td>
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<td>278.6'</td>
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<tr>
<td>L26</td>
<td>57°52'15&quot;E</td>
<td>184.6'</td>
</tr>
<tr>
<td>L27</td>
<td>57°43'44&quot;E</td>
<td>2,422.5'</td>
</tr>
</tbody>
</table>

Signed and Stamped
EXHIBIT "A"
UNIVERSITY OF TEXAS

CENTERLINE DESCRIPTION OF A PIPELINE EASEMENT SITUATED IN SECTIONS 9, 10, 11 AND 12, BLOCK 1, REAGAN COUNTY, TEXAS, IN THE NAME OF UNIVERSITY OF TEXAS, SAID PIPELINE EASEMENT CENTERLINE BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at a point in the west line of said Section 9 [N: 10,385,357.03, E: 1,856,754.12], same being in the east line of Section 8, for the POINT OF BEGINNING of said herein described centerline, from which a monument found for the northwest corner of said Section 9 bears North 01°16'36" East, 2,360.9 feet;

THENCE across said Sections 9, 10, 11, 12 the following bearings and distances:

South 80°41'45" East, 3,481.2 feet;
South 80°28'35" East, 389.3 feet;
South 80°46'10" East, 1,549.8 feet;
South 80°18'24" East, 268.9 feet;
South 70°59'10" East, 123.8 feet;
South 80°50'13" East, 577.8 feet;
South 80°41'50" East, 1,781.4 feet;
South 80°47'17" East, 3,054.3 feet;
South 85°37'03" East, 244.7 feet;
South 80°44'14" East, 1,295.0 feet;
South 80°51'09" East, 1,403.6 feet;
South 85°55'04" East, 169.5 feet;
South 86°36'32" East, 209.5 feet;
South 82°21'26" East, 186.2 feet;
South 86°43'48" East, 76.6 feet;
South 79°32'12" East, 1,281.5 feet;
South 79°52'27" East, 325.9 feet;
South 86°05'04" East, 20.2 feet;
South 79°48'32" East, 1,090.1 feet;
North 89°44'09" East, 75.7 feet;
South 82°38'01" East, 278.6 feet;
South 70°52'15" East, 184.6 feet;

South 79°43'44" East, 2,422.5 feet to a point in the south line of said Section 12 [N: 10,381,988.41, E: 1,876,934.03], same being in the north line of Section 1, for the POINT OF TERMINATION, from which a monument found for the southeast corner of said Section 12 bears South 88°41'15" East, 1,194.9 feet;

Said Centerline having a total length of 20,470.7 feet (1,240.6 rods).

(INTENTIONALLY LEFT BLANK)
NOTES

1) Ownership and tract information shown herein is based on abstracting services provided by Norfleet. This description was prepared without a commitment for title insurance. Easements of record may exist and are not indicated herein. This description does not represent a boundary survey.

2) All coordinates, bearings, distances and areas are referenced to the Texas Coordinate System of 1983 (2011 Adjustment), Central Zone (4203), U.S. survey feet, based on GPS observations made by Tablerock Survey, LLC.

3) Refer to the attached plat of this document, a plat prepared of even date herewith and made in conjunction with and considered an integral part of this description.

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Certificates and contact information related to the survey process.
Good example of a surface site

Notice that site resides in several Sections

Block 1
University Lands Survey
Andrews County, Texas

Legal Description

LEGAL DESCRIPTION

of a proposed 3.65 acre well pad located in the Northwest quarter of Section 18, and the Southwest quarter of Section 7, all in Block 1, University Lands Survey, Andrews County, Texas, and being more particularly described as follows:

BEGINNING at a Northwest corner of this tract, from which a concrete monument found for the Northwest corner of said Section 18 bears S 79°13'49" W, a distance of 1,178.7 feet;

THENCE N 74°29'15" E, a distance of 70.2 feet to an interior corner of this tract;

THENCE N 15°57'02" W, passing the North line of said Section 18 and South line of said Section 7 at a distance of 31.3 feet, continuing on for a total distance of 99.8 feet for a Northwest corner of this tract;

THENCE N 74°07'54" E, a distance of 200.1 feet to a Northeast corner of this tract;

THENCE S 15°58'02" E, passing the South line of said Section 7 and North line of said Section 18 at a distance of 80.5 feet, continuing on for a total distance of 99.7 feet to an interior corner of this tract;

THENCE N 74°02'15" E, a distance of 200.8 feet to the Northwest corner of this tract;

THENCE S 15°46'18" E, a distance of 295.2 feet to the Southwest corner of this tract;

THENCE S 74°35'50" W, a distance of 470.1 feet to the Southwest corner of this tract, from which the Southwest corner of said Section 18 bears S 00°43'12" W, a distance of 5,209.1 feet, and from said corner a concrete monument found for the Southwest corner of Section 19, same block and survey, bears S 12°33'02" E, a distance of 5,350.8 feet;

THENCE N 15°58'12" W, a distance of 295.0 feet to the POINT OF BEGINNING. Subject tract contains 3.65 acres of land.

Graphic Scale in Feet

Legend

- Denotes Centerline Easement

- Denotes Proposed Well Location

Survey of the Proposed
UL G 1-18 A #1H & B #2H Pad
located in Section 7 and 18, Block 1,
University Lands Survey,
Andrews County, Texas

Scale: 1" = 100'

Surveyed: 08/08/2019

Drawn By:

File: C:\2019\2019-0436\2019-0436.dwg

Company Name & Logo

Signed and Stamped

Survey Company Logo

AND CONTACT INFO