

## **OUTSIDE**

### **Soil Borings**

How many outside soil borings and anticipated depths of each?

Anticipated concrete thickness (if known)?

To determine if Concrete Coring: Is thickness of concrete greater than 8-inches or is a cleaner cut finish needed due to aesthetic reasons? If yes, how many locations require cc coring?

Note: Geoprobe rock bit is included with rig (only good for up to 8- inches of concrete)

### **Temp Wells**

Temp wells needed? (yes/no – Indicate how many of the above soil borings will be converted to temp wells, and Indicate if ¾-inch diameter is acceptable, or if you need 1-inch diameter)

Note: We typically use ¾-inch diameter PVC, 10 feet of 10 slot screen and to surface. 1-inch diameter PVC is available at a higher cost. .

Are we collecting gw samples or leaving temp wells in ground for you to collect gw at a later date?

Are we supplying the peristaltic pump & tubing to sample the temp wells?

Do you require sand and bentonite for your temporary well or a Gripper plug at the top?

### **Soil Vapor**

Temporary SV Samples

Are we doing sub slab, or at depth? If at depth, what is anticipated depth? How many of each?

Will these be soil vapor implants installed in a borehole we create, with sand and granular bentonite?

Or to be installed using Post Tun Tubing (PRT) method?

If you require a specific type of tubing (nyla-flow, Teflon-lined) or implant, list the requirements here:

Are you bringing the summa cannister?

Do you want us to perform a helium leak check?

Note: We bring party grade helium, and a helium shroud, and rely on the consultant to bring a helium detector.

Are any Soil Vapor implants going to become permeant with flush mount manholes? If so, indicate number of manholes required.

### **Permanent Wells**

Permanent Monitoring Wells Required? (If yes, how many\_\_\_\_)

Diameter & type of well needed – Choose from the well sizing options and additional considerations listed below:

Traditional 2-Inch diameter well installed with 4.25" ID Hollow Stem Augers?

Prepack Wells installed via DPT tooling (3/4", 1.0" or 1.5" diameter)

PVC installed with DPT tooling, sand, granular bentonite to surface (3/4" or 1" diameter)

Will these wells have flush mounts or pro-cover risers?

If Pro-cover risers, do they require protective bollards?

If Protective Bollards required, how many per location?

Can we saw cut the openings for the flush mounts or do we need to concrete core them due to dust and station operations such that coring would be best?

Will consultant or DPA develop the wells?

If DPA develops the wells, what is the well development protocol and is a multi-meter required?

Do we need to supply the multi meter or is consultant supplying it?

Is the consultant preparing the Soil Boring logs and Monitoring well logs? Or will DPA prepare? IF DPA, are we submitting to Consultant or submit to Agency or are we submitting directly to Agency and copying consultant?

Is there a water source with garden hose hook up available for hot water pressure washer decon?

Can we sample/ drill these locations in an order from least contaminated to most contaminated and perform (1) final decon at the end of the day/ job or do we need to decon between each location?

\*Additional details or comments box here.....