DRAWINGS & PARTS LIST REQUIREMENTS

Please include all of the following that apply:

DRAWINGS OR BLUEPRINTS

A) Overhead View of Site – Must be submitted for all applications.

Drawn to scale & to include all of the following that apply:

_____ North arrow
_____ Scale of drawing
_____ Closest landmarks (e.g. building, street)
_____ Dispenser Islands
_____ Guardposts/bollards
_____ Tanks
_____ Tank at grade slab (if applicable)
_____ All piping that will contain product (supply & return)
_____ Vapor recovery piping
_____ Vent piping & termination
_____ Buildings
_____ Location of leak detection/monitoring panel
_____ Location of Emergency Shutoff
_____ Location of any proposed or existing wells (observation, monitor, etc)
_____ Location of overfill alarm
_____ Indicate slope on piping toward tank (inches per foot and direction)
_____ Tank vent termination (must be 5 feet from any building opening or buildable property line)

Side view of all that apply to the scope of work:

B) End View of Pipe Trench

_____ Type of piping (i.e., rigid FRP, Enviroflex, etc.)
_____ Piping trenches, showing distances between pipes, from pipes to bottom of trench, pipes to sides of trench, pipes to surface. Backfill material & type/thickness of cap over trench.

C) Side View of Vent Riser

_____ Tank vent termination is a minimum12 feet above grade.
_____ Depict the flex connectors and secondary boots.
_____ Vent Box, penetrations and sensor (if applicable).
_____ VPH Sensor, reservoir, tubing, ball valves, connection to vent box (as applicable).

D) Side View of Guard posts

_____ Bollards or guardposts to include: construction, diameter, height, distance between posts, distance from dispensers, depth and diameter of footing.

E) Side View of Pipe Transitions & Penetrations

_____ Penetration of underground piping into basement or to ground surface – Include the pipe or collar that provides a conduit for the double wall pipe.

Side view of all that apply to the scope of work:

_____ Underground caps, plugs & sealants (to make penetration watertight).
_____ Termination assembly – Include termination plugs, seals & test donuts, as well as termination of secondary underground piping & test boots/end boots.
_____ Transition from flexible or fiberglass piping to above ground piping - include protection from sunlight & elements, as well as construction of above ground piping.
_____ Transition sumps, containment boxes, sensors and ball valves (if any).

F) Side view of Sumps

_____ Method of attachment of sump to tank
_____ Penetrations in sumps (boots, flanges, fittings)
_____ Piping as it goes through penetrations
_____ Termination of secondary walls of pipe in sump
_____ Location of test boots
_____ All piping & connections inside of sump
_____ All other equipment inside sump
_____ Sump sensor
_____ Spill containment buckets
_____ Lids to manways
_____ Type & depth of fill material, and cap
_____ Line Leak Detector
_____ Termination of sump secondary wall (if a double wall sump)
_____ VPH Sensor, reservoir, tubing, ball valves, connection to sump (as applicable)

Sumps: for installations include a blowup drawing encompassing:

_____ Manway Lid
_____ Manway Skirt
_____ Sump
_____ Sump Lid
_____ Spill Buckets
_____ Sump Top Hat
_____ Interface between the manway skirt and sump top hat
_____ Interface or connection between spill buckets

G) Sideview of Under Dispenser Containment:

_____ Penetrations into pans (depict type of penetration fitting)
_____ All piping & conduits as they go through penetrations
_____ Termination of secondary walls of pipe inside under dispenser containment (UDC)
_____ Shear valves
_____ Attachment of pipes, etc to pan infrastructure
_____ Floats or sensors
_____ Type of UDC (i.e. Bravo, FRP, shallow, deep, etc.)
_____ Any other equipment in UDC
_____ Flex connectors and boots

Side view of all that apply to the scope of work:

_____ Termination of UDC secondary wall (if a double UDC).
_____ VPH Sensor, reservoir, tubing, ball valves, connection to UDC (as applicable).

H) Side view of tank & excavation to include:

_____ Size of tank in gallons
_____ Dimensions of excavation & tank
_____ Distance from ends & sides of tank(s) to sidewalls of excavation
_____ Depth of backfill beneath tanks
_____ Depth of backfill above tanks
_____ Type of backfill material
_____ Type & thickness of cap above tank
_____ Sumps
_____ Spill buckets & lids
_____ All other sumps or bungs on tank
_____ Risers
_____ Location of ATG (Tank level monitor)
_____ Turbine(s)
_____ Compartments in tank
_____ Drop tube
_____ Overfill prevention devices
_____ Any slabs or deadmen with location and type of tie down straps
_____ Level or slope of tank
_____ Any other equipment
_____ Any other items located in close proximity to UST (e.g. monitoring wells, etc)
_____ Location of interstitial monitor
_____ Hold down calculations for UST if water present in area (calculations can be listed on a separate letter)
_____ Adapters
_____ Sump lids & clamps (or other method of securing to lid)
_____ Sealant between sump and manway skirt (if used)
_____ Fill riser caps
_____ VR Phase I riser caps
_____ Interstitial sensor, reservoir, riser, riser cap and at-grade access box (if applicable)

PARTS LIST

I) Parts List to be included on the drawings (must include make & model number and correspond to side view or end view drawings by number or letter).

MISCELLANEOUS

J) For All Submittals Must Include:

_____ A completed UST Written Monitoring Plan form (that reflects monitoring methods after all work is completed)

K) For New Installs Include:

_____ A completed Certificate of Financial Responsibility

_____ A completed Hazardous Materials Plan form

_____ A completed Business Owner / Operator ID form

_____ A completed UST Facility form (Form A)

_____ A completed UST Facility form (Form B)

_____ A completed UST Facility form (Form C)

_____ Enhanced Leak Detection Final Test Results **(Before initial fuel delivery!)**

_____ A completed Designated Operator Form **(Before facility opens for business!)**

_____ AB 2481 Continuous Monitoring Table or Schematic (i.e. include a table or schematic that depicts what UST component will be monitored by which method; either vacuum, pressure or by hydrostatic means).