BUILD SPECIFICATIONS
300 GALLON EXCAVATOR TRAILER MOUNTED VACUUM

INTENT:
This specification describes a 300-gallon hydraulic drive Vacuum system on a 12,000 lb. tandem axle trailer. The machine is equipped with a self contained, non-corrosive, cylinder style aluminum water tanks as the water source for the high-pressure pump. The machine is capable of being operated by one man, with all operating controls for high-pressure water system and vacuum system mounted on a control panels, at operator's stations.

GENERAL TERMS:
All equipment furnished under this contract shall be new and current production. Accessories not specifically mentioned herein, but necessary to furnish complete unit ready for use, shall also be included. Unit and shall conform to the best practice known to the body trade in design, quality of material and workmanship. The equipment furnished shall be manufactured in the USA.

PARTS MANUAL:
Complete parts, maintenance, and operator's manual with each body sold.

STATE DELIVERY TIME: TBD

TANK:	300-gallon capacity. 15 psig working pressure, full vacuum straight cylinder. Hydraulic dumping system 30 Degree angle controls located curbside 4" Inlet pipe to debris tank internal float ball for vacuum shut down. 10' x3" Drain hose located on the rear of debris tank for decanting water from main debris tank when required.
FRONT DOME:	48" OD x ¼" std F & D A-36 carbon steel.
REAR DOOR:	The full opening rear door shall be external hydraulically opening and locking with one control lever at curb side of unit.
PUMP:	Positive Displacement Vacuum Pump. Rated for 550 CFM minimum airflow. An adjustable relief valve shall be provided to limit vacuum.
CYCLONE :	Dual cyclone separator.
SILENCER:	Final filter to be supplied for blower the filter shall be single design removable. The vacuum system shall have a final silencer for the PD blower with rain cap.
WATER SYSTEM:	Water pump capable of producing a flow of 4.5 GPM@3000 PSI and carry a two (2) year warranty. Two (2) Water tanks shall be installed on unit and have a capacity of 100 gallons each for a total capacity of 200 gallons. The water tanks shall be cylinder design and constructed of aluminum and be mounted over the axles for proper weight distribution.

Min 2” ball valve drain valve shall be supplied for draining the fresh water tanks.

Pressure gauge at operator station.

HAND GUN SYSTEM

25 ft retractable hand gun hose reel

25 ft hand gun hose

(1) 4ft barrel extensions

(1) 0 degree tip

(1) Spinner nozzle

(1) High pressure hand gun

LIGHTS D.O.T. lighting with 6 way trailer plug.

ENGINE: 49 H.P. Tier 4 Diesel Engine. Water cooled.

Two (2) Year warranty.

Veneer throttle with gauge package.

Keyed Ignition.

12-Gallon fuel tank with sight gauge.

Steel cover for engine with access on each side for ease of maintenance.

TRAILER: Frame, 6” X 3/16” custom rolled industrial channel for safety of operator.

Adjustable jack stand (screw type) -removable via pin for storage.

The top decking shall be all diamond tread plate steel with continuous welds throughout. The fenders shall be constructed of tread plate steel installed and designed for supporting the weight of a least 200 lbs.

Four (4) 7.50x16 LT 8-Ply tires. Electric brakes. Dual 6000# torsion Axles.

DOT lighting Package.

2-5/16” ball hitch with height adjustment for 4 positions

Bolt on assembly- welded on fenders are not acceptable.

Control Panel: Unit shall be equipped with a single control panel curb side of unit.

Indicator Lights

Pressure Gauge

Emergency Kill

Controls For Dumping Debris Tank and Door lock Control.

PAINTING: Each component shall be painted/lined separately prior to assembly

ACCESSORIES:

10’x3” flexible vacuum hose with connectors.

3’ x 3” Crown Nozzle tube

One (1) storage rack four (4) pipe capacity.

Tool Box: A storage toolbox shall be located on the front of the trailer.

The box shall be constructed of diamond tread plate aluminum. The toolbox shall be locking and water tight.