

**Suffolk County Water Authority
Mini-Bid T16080028**

Chassis Specifications:

DESCRIPTION: Two (2) 2017 Ford F-550 4x2, DW Cab & Chassis'. GVWR:19,500 lbs.,CA: 84"			
Engine:	6.7L Power Stroke V/8 turbo diesel 330 HP & 750 lb.-ft. Of Torque		
Block Heater:	Manufactures standard		
Transmission:	Torqshift 6-speed Automatic with PTO Provision		
Shocks:	Manufactures standard – Front and Rear		
Color:	Exterior: Oxford white Interior: Vinyl Medium Earth Gray		
Options:	4.30 Limited Slip Axle Trailer Tow Package – High Capacity Heavy – Service Front Suspension Package XL Value Package Exterior Backup Alarm Platform Running Boards 225/70Rx19.5G BSW Traction Tires Operator Command Regeneration with Active Regeneration Inhibit Heavy Duty Black Vinyl Floor Covering Trailer Brake Controller Controller Area Network (CAN) Interface Module SYNC Rapid Heat Supplemental Heater		

Body Specifications – Body Specs are “Or Equivalent” unless otherwise indicated:

Description: 11' Rugby Dump Bodies		
Body length: 11'		
Width: 96" (outside)		
Capacity: 2 to 3 yards		
Floor: Seven (7) gauge high strength floor with radius corners		
Side height: 12.5" with brackets for 6" side boards		
Side walls: Ten (10) gauge one piece Double-wall design with three (3) vertical braces 6" wide. Fully boxed dirt-shedding top rail with 45-degree slope.		
Side Boards: Poly recycled plastic with steel center support welded to body		
Color: Polyester Powder Coat Finish - Black		
Corrosion Protection: Complete undercarriage to be undercoated with high quality 3M professional grade rubberized undercoating or equal.		
Front panel: 23" high consisting of ten (10) gauge high strength steel		
Understructure: 5" structural channel (6.7 lb./ft.) long members with 3" structural I-beam cross members spaced 16" apart maximum		
Lights: Four (4) Truck light series 60, part# 60250R LED for stop/ turn/ tail lamps. Two mounted on each side of truck frame and two mounted at top of corner posts of the body for added visibility. Marker and clearance lamps will be truck light LED model 30 low profile. All lights to be flush grommet mounted with truck light series 88-harness system. Front markers lights shall be mounted at a 45-degree angle on each corner pillar to minimize glare. Body up switch shall be a Lawson, part # 50128 Supply and install Cole Hearse trailer plug, part # 1258 and wire per SCWA wiring diagram. Center pin for electric brakes must have "ring" connector.		
Cab shield: 3/4 width cab shield with expanded metal viewing window		
Corner post: Full height; 4.5" deep with rear surface sloped 10 degrees inward		
Tailgate: Sloped 10 degrees inward and recessed flush with rear face of corner posts. 23" end height, four-way tailgate with adjustable rod on trip lever. Fully boxed brace frame with two vertical braces. Concealed lower latch hardware with open access to upper latch mechanism. Chain and banjo-eye slotted holders to allow the tailgate to lay flush with the floor when hinged from the bottom. The chain also controls the tailgate opening for the spreading applications when hinged from the top.		
Hoist: NTEA rated and classified. Class 40 at or below 3200 PSI. The hoist shall be a combination of double arm and scissor design, with double acting cylinders and fabricated of high strength steel. Screw in type grease zerks to lubricate hinges and pivot points. Rear hinge to be of angle type with tabletop brackets one each side with 1" hardened pins to hold brackets to angle. Body prop to be incorporated on to the hoist to support body when maintenance is required.		
Hoist Tonnage: 11.7 tons (includes weight of body with a six inch overhang)		
Cylinder: 5.5" diameter with a 20" stroke. Cylinder rod is to be 2.5" diameter and chrome-plated to prevent rusting. Oil ports on cylinder are to be of O-ring type.		
Sub-Frame: To be C channel design 4 1/4" high X 3" wide X 3/16" wall thickness with added angle iron reinforcement. Sub-frame welded at all joints, with dump angle not less than 50 degrees.		

<p>Description - Continued 11' Rugby Dump Bodies</p>		
<p>PTO: Chelsea hot shift PTO, model 246</p>		
<p>Pump: Pump shall be gear type and capable of pumping a minimum of 3.3 gallons per minute. Reservoir shall be of 9 quarts with an 8 CR recycling valve and mounted on the outside of the D/S frame rail. Supply and install ball valve at tank for supply line. Control cable to be tie rod end type with bell housing attachment to valve. Dump body controls, pedestal type, Force part number 9121A001 for the tower and Force 08-5907-07 for the lever. Position to be determined at time of installation.</p>		
<p>Filtration: Supply and install 10 micron filter, Luber-Finer part # LFP1652. Supply and install ball valve before and after filter</p>		
<p>Options: Supply and install rear spreader plate Supply and install one (1) Aero 36" X 18" X 18" aluminum under bed tool box on right side, forward of rear wheels. Supply and install two rung retractable truck step, left side, forward of rear wheels, Buyers part# RS2</p>		
<p>Mounting Plate and Pintle Hook: Fabricate one-piece mounting plate constructed of 3/8" high strength flat stock steel. Mounting plate dimensions: Width – distance between outer frame rails, Height – distance between top and bottom frame rail. The intent is to have the mounting plate sandwiched between the frame rails and welded into place. Supply and install a 20-ton Wallace Forge pintle hook, part # 2057114. Height of pintle hook from level ground to centerline is 23". Supply and install two (2) Buyers D-rings, part # B46</p>		
<p>Warranty for dump body: 1 year to cover hydraulic pump, PTO, PTO shaft, u-joints and electrical components. 3 years for complete body.</p>		
<p>Tarping system: Supply and install Aero tarp cover system, model 575 with Aluminum side mount arms and wind deflector. Tarp control switch must be mounted on dump body pedestal. Electric tarp motor shall be wired to master switch panel in cab. Tarp shall be 7' X 15', L47 nylon mesh with one (1) pocket.</p>		
<p>Safety Lights: Supply & install: (1) Whelen ROTA-BEAM super – LED R416AF beacon light with a self-leveling bracket mounted centered and on top of cab shield. Self-leveling bracket to be constructed of 3/16" x 2" flat stock aluminum. Eight (8) Federal Signal - MicroPulse Ultra, Amber, part# MPS600U-AA mounted as follows: Two (2) mounted on front grill (position to be determined at time of installation). Two (2) mounted on rear of body (position to be determined at time of installation). Two (2) mounted on right side of body (position to be determined at time of installation). Two (2) mounted on left side of body (position to be determined at time of installation). Front, rear and rotating beacon lights wired to one switch and labeled. Right side lights wired to one switch and labeled. Left side lights wired to one switch and labeled. All lights wired to factory supplied switch panel in cab.</p>		
<p>Wiring: All wiring interior or exterior are to be loomed and wire ties used to prevent shorts. All wire connections must be soldered and protected by heat shrink tubing. Supply Wiring diagram for body and PTO.</p>		

