



CLS Sewer Equipment Co., Inc.
726 S Sherman St
Richardson, Texas
75081-4028

INVOICE

LOT 5

Office:
972-479-1335

Date 12/21/2016
Invoice # 19742
P.O. #
Due Date 1/1/2017
Terms Net 30

Bill To:

A & A Cable Contractors, Inc.
12210 Ann Lane
Houston, TX 77064

Ship To

A & A Cable Contractors, Inc.
12210 Ann Lane
Houston, TX 77064
USA

Ship Via F.O.B.

8/24/2016 Cust Pick Up

TRUCK 102

Quantity	Item Code	Description	Price Each	Amount
1	042-CUES TV/CUTTER V...	New CUES van to be mounted on customers existing chassis CUES CCTV/CUTTER VAN ID432	188,293.68	188,293.68
			Total	\$188,293.68
Remit Payment To:			Sales Tax (8.25%)	\$15,534.23

CLS Sewer Equipment Co. Inc.
726 S. Sherman St.
Richardson, TX. 75081-4028

Sales@SewerTools.com

Subtotal \$203,827.91

Payments/Credits \$0.00

Balance Due \$203,827.91

Equipment to be supplied: Multi Conductor TV/Cutter Inspection System

Component List:

" Each camera, camera transporter, and external light head to be supplied on this specification must be labeled and listed as a minimum by a Nationally Recognized Testing Laboratory (NRTL) to the applicable Standard for Safety for Closed Circuit Television Equipment, UL 2044, 2nd edition, 11/9/01. A listing report must be supplied that certifies the aforementioned equipment is acceptable as defined by 29 CFR 1910.339 and required by 29 CFR 1910.303(a). Self certification or certification by a laboratory that is not an NRTL will be deemed unacceptable. NRTL labeled and listed equipment shall be supplied as required by the FEDOSHA memorandum, dated September 25, 2005, page 3, Section on Compliance, prepared by John L Henshaw, Assistant Secretary of Occupational Safety and Health."

1 FORD F-550 DIESEL CAB CHASSIS 201" WB 2X4 CHASSIS

- 1 6.7L V8 Diesel Engine
- 1 6-Speed Automatic Transmission
- 1 19,500 lb. GVWR
- 1 201" Wheel Base
- 1 12-Volt Light in Cab Area
- 1 Cab Air Conditioner
- 1 AM / FM Radio

1 16' CARGO BOX FOR CAB/CHASSIS

- 1 LED Light Package Includes Body Clearance and Stop / Tail / Turn
- 1 Full Width Barn Doors with CAM (Pipe) Locks on Each Door
- 2 Laminated Steel Lock
- 1 Kemlite Covering on Inside Rear Doors
- 1 Back up Alarm

1 REEL MOUNTED CRANE

1 SAFE ENTRY/EXIT BUMPER

- 1 Three (3) Steps Evenly Spaced
- 1 Bottom Step Folds Up for Ground Clearance
- 1 Safety Grab Handle

1 KICKPLATE WINCH STORAGE

1 PINTLE HITCH ON CHASSIS

1 TV HIGH CUBE VAN EXTERIOR LIGHTING & CONTROL ROOM - EVOLUTION 3.0 TO INCLUDE:

- 2 Amber LED Strobe Warning Beacons
- 2 Adjustable LED Floodlights Rear of Vehicle Area Illumination
- Control Room Interior:
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Bulkhead Wall with Passage Door from Control Room to Equipment Room
 - 1 Tinted Viewing Window in Bulkhead Wall
 - 1 Tinted Viewing Window in Bulkhead Door
 - 1 Above Desk Control Console with Rack Mount for Electronic Equipment
 - 1 Desktop / Work Area
 - 1 12V High Intensity LED Light Fixture
 - 2 Electrical Outlet with Dual Receptacles
 - 1 Fire Extinguisher with Bracket, 10BC Rating
 - 1 Operators Chair, Swivel with Casters
 - 1 Breaker Box Storage Area with Locking Positive Latch
 - 1 Battery Powered Carbon Monoxide Alarm

- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**
- 1 ROOF TOP AIR CONDITIONER, 13,500 BTU WITH HEAT STRIP**
- 1 CURBSIDE DOOR WITH FOLD-DOWN STEPS FOR EVO 3.0**
- 1 CLOSET IN CONTROL ROOM**
- 1 BENCH SEAT IN CONTROL ROOM**
- 1 TV HI-CUBE VAN EQUIPMENT ROOM INTERIOR - EVOLUTION 3.0 TO INCLUDE:**
 - 1 Lonseal Lonplate Flooring
 - 1 Kemlite Wall & Ceiling Covering
 - 1 Electrical Outlet with Dual Receptacles
 - 1 12V High Intensity LED Light Fixture
 - 1 15 Minute Courtesy Timer Located at Rear Door Area for 12V LED Interior Lights
- 1 20-GALLON WASHDOWN SYSTEM TO INCLUDE:**
 - 1 20-Gallon Fresh Water Tank
 - 1 Electric Water Pump
 - 1 Retractable Hose Reel with 25' Water Hose and Nozzle
- 1 UPPER AND LOWER STORAGE CABINET IN EQUIPMENT ROOM**
 - 1 Lower Storage Cabinet / Work Top with Sink and Faucet
 - 1 Upper Wall Mounted Storage Cabinet
- 1 ADDITIONAL LIGHTING AND OUTLET**
 - 1 Light Mounted Above Work Top
 - 1 Dual Receptacle Outlet Above Work Top
- 1 4 1/2" VISE, BENCH MOUNT**
- 1 32" REAR FLAT SCREEN MONITOR MOUNTED IN BULKHEAD WALL**
 - 1 Flat Screen Monitor
 - 1 Cable Assembly - Video Monitor to Monitor in Control Room
 - 1 Electrical Outlet
- 1 7500 WATT QUIET DIESEL ONAN GENERATOR**
 - 1 120 Volt 60 HZ 7500 Watt (Minimum) Commercial Grade "Quiet" Generator
 - 1 Diesel Powered
 - 1 Electric Start
- 1 GENERATOR COMPARTMENT [UNDER CHASSIS MOUNT]**
 - 1 Generator Storage Compartment with Lockable External Access Door
 - 1 Commercial Power Supply Receptacle, 25' Cord, and Plug
 - 1 Electrical Supply Center with Circuit Breaker Box
 - 1 Commercial power and Generator Power Connectors
 - 1 Automatic Power Transfer Switch
- 1 SYSTEM ENGINEERING PANEL, FOR POWER INFORMATION AND GENERATOR FUNCTIONS, RACK MOUNTED, TO INCLUDE:**
 - 1 Four Function AC Power Meter displaying Critical Power Information including:
 - 1 Voltage
 - 1 Hertz
 - 1 Amperage
 - 1 Active Power (Watts)

- 1 Front panel Selector Switch for two modes of operation:
 - 1 Fixed reading
 - 1 Continuous Auto-cycling
- 1 Generator Battery Meter to Display Starting and Charging Voltage
- 1 Generator Hour Meter
- 1 Generator Remote Start/Stop Control Switch
- 1 On/Off Switch for Emergency Warning beacons (Switch to Illuminate When On)
- 1 P&T ZOOM M/C CAMERA**
 - 1 Solid State Color Sewer TV Camera
 - 1 Pan & Rotate Camera Head, 40:1 Zoom Ratio, 10x Optical Zoom, 4x Digital Zoom
 - 1 NTSC Color Standard with 4x Light Integration
 - 1 Camera Lighting System for 6" through 72" lines
 - 1 Camera Transportation and Storage Case
- 1 21" TRAC TRANSPORTER M/C TO INCLUDE:**
 - 1 6" Track Transporter with Freewheel and Powered Reverse
 - 1 Y Eliminator
- 1 8"-15" EXTENDERS FOR 21" TRAC TRANSPORTER**
- 1 18" - 24" TRAC TRANSPORTER EXTENSION KIT**
- 1 SPARE PARTS KIT FOR TRAC TRANSPORTER TO INCLUDE:**
 - 1 Additional Chain Links and Rubber Cleats
- 1 LOW PROFILE CUTTER ASSEMBLY, 6-10"**
 - 1 Lateral Cutter with .9 hp 6" Pneumatic Cutting Head and Electric Control Motors
- 1 KANGAROO CUTTER ACCESSORIES FOR 6" TO 10" PIPE TO INCLUDE:**
 - 1 Mainline to Cutter Cable Assembly
 - 1 Controller to Slip ring / Solenoid Cable
 - 1 Cable Assembly, 12-Pin to 5-Pin Female
 - 1 "Y" Eliminator for M/C Cutter
 - 1 Air Motor Extension for for 8" Pipe
 - 2 Tow Cable, 6" Pipe
 - 2 Tow Cable, 8"- 30" Pipe
 - 6 3/8" router Bit
 - 6 1/4" Router Bit
 - 8 Skid Standoff
 - 1 Integrated Wrenches for Collett and Air Motor Disassembly
 - 1 Cutter Operation Manual
- 1 SKID ASSY, 6",P&T,CVC,RVC**
 - 1 6" Low Profile Camera Skid Assembly
- 1 8"-15" SKID ASSEMBLY TO INCLUDE:**
 - 1 8" to 15" Pipe Diameter Skid Spacer Plate
 - 2 Bottom Stainless Steel Runners
 - 3 Top Stainless Steel Runners
- 1 12" CUTTER SKID KIT**
- 1 12/5/4 ADAPTER CABLE**

- 1 ELECTRIC WINCH W/1000' 3/16 " SST CABLE TO INCLUDE:**
 - 1 Hinged, Fold down Frame with Pin Locks
 - 1 1 / 2 hp High Torque Power Driver
 - 1 3 / 16" Stainless Steel Winch Tow Cable 1000'
 - 1 Winch Power Cord Extension Assembly 20'
 - 1 Power Winch Drum Emergency Hand Crank
- 1 CONTROLLER FOR ELECTRIC WINCH W/REAR FOOT PEDAL**
- 1 VIEWING ROOM FOOT PEDAL CONTROLLER FOR ELECTRIC WINCH**
- 2 REEL W/500' 14/4 POWER CABLE FOR ELECTRIC WINCH**
 - 1 Power Cord Reel Assembly w/500'14/4 Power Cord
- 2 SAFETY FLAG, 18X18X36**
- 1 STANDARD DUAL CUTTER CONTROLLER**
- 1 TV/CUTTER REEL ASSEMBLY WITH LEVELWIND**
 - 1 Electric Retrieve Air Hose Reel with Level wind
 - 1 Valve, Three (3) Way Solenoid, 24DC 1 3 / 4" Integral Filter / Regulator
 - 1 Air Muffler
- TV REEL ASSEMBLY**
 - 1 Black Thermoplastic Powder Coated Frame
 - 1 Power Level wind & Multi Ratio Manual Transmission
 - 1 Footage Meter with Local Counter and Remote Mechanical Counter
 - 1 Transmission Control at Viewing Station
 - 1 Local Reel Mount Electrical and Mechanical Control
 - 1 Sealed Continuous Contact Collector Assembly
 - 1 Removable Drip Pan for Cleaning
- 1 CONTROLLER IN CONTROL ROOM FOR CUTTER REEL**
- 1 500' 1/2" AIR HOSE FOR CUTTER**
- 1 1000' CABLE ASSEMBLY, M/C 12PIN METAL**
 - 1 1000' Gold Multi Conductor Kevlar Fiber Armored Combination TV Transmission / Tow Cable
 - 1 .450 Diameter
 - 1 Metal Splice Chamber with Pigtail
 - 1 Cable Strain Relief
- 1 DVD RECORDER SYSTEM TO INCLUDE:**
 - 2 Rack Mount for DVD
 - 2 DVD Player / Recorder
 - 2 Cable Assembly - DVD to Power Control Unit
 - 1 Handheld Microphone
- 1 19" (MINIMUM) FLATSCREEN COLOR INDUSTRIAL TV MONITOR NTSC / PAL COLOR STANDARDS**
- 1 PCU ASSEMBLY [RACK MOUNT]**
- 1 CCU ASSEMBLY [RACK MOUNT]**
 - 1 Alpha Numeric Information Display, with Multi Paging and Defect Coding
 - 1 Remote "QWERTY" Keyboard for Data Entry
 - 1 On Screen Footage Display
 - 1 WRC and PACP Codes

- 1 TEST CABLE**
- 1 8.7" MINI KEYBOARD**
- 1 WIRED & WIRELESS USB CONTROLLER**
 - 1 Joystick Control for Pan and Tilt Zoom Camera to Include:
 - 1 360 Degree Rotate
 - 1 330 Degree Optical Pan
 - 1 Joystick Control for All Steering Functions & Forward / Reverse Directions for Transporter
 - 1 Camera Lift Control for Optional Electronic Camera Lift
 - 1 All Other Controls for Camera to Include:
 - 1 Camera Iris and Focus Override & Zoom
 - 1 Camera Lights & Shutter Control for Light Enhancement
 - 1 Camera Diagnostics & Auto Home
 - 1 Cruise Control to Set Speed of the Transporter for Hands off Operation
 - 1 All Reel Controls to Include: Retrieve, Release, and Variable Speed
- 1 MANHOLE TOP ROLLER ASSEMBLY**
- 2 MANHOLE ADAPTER CLAW HOOK**
- 6 POLE ASSY, RETRIEVAL/DOWNHOLE TL,58"**
- 3 STEEL RETRIEVAL POLE**
- 2 INVERT ROLLER ASSEMBLY**
- 1 RETRIEVAL HOOK**
- 1 MULTI CONDUCTOR TV ONLY TOOL KIT**
 - 1 Milliamp meter Tool
 - 1 Electrical Tape
 - 1 Needle Nose Pliers
 - 1 Six-In-One Screwdriver
 - 1 6" Adjustable Wrench
 - 1 Anti Seize Grease
 - 1 9-Piece Allen Wrench kit
 - 1 Solder Iron Kit
 - 1 Industrial Pliers
 - 1 5/32 T-Handle Hex Wrench
 - 1 Multi Conductor TV Only Operation Manual
 - 1 Parts Catalog
 - 1 Cable Repair Kit DVD
 - 1 TV Only Training DVD
- 3 DAYS TRAINING, ON-SITE**
- 1 TRUCK DELIVERY-TEXAS**

OPTIONAL ITEMS [NOT INCLUDED IN BASE QUOTE]

- 1 SLIDE OUT DRAWER SMALL CUTTER STORAGE WITH LOCKING DOOR (Optional)**

1 RACK MOUNT COMPUTER W/GraniteNet BASIC SOFTWARE TO INCLUDE (MINIMUM): (Optional)

- 1 Motherboard with LGA 1151 Socket and Intel Z170 Chipset
- 1 Intel Core i7-46700K 4.0 GHz Processor
- 1 8 GB of DDR4 (Double Data Rate) 2133 RAM
- 1 USB Video Capture Device for MPEG 1 / 2 / 4 / WMV
- 1 Video Display Adapter, 2GB
- 2 LAN, On Board Network Connections, 10 / 100 / 1000 Mbps
- 3 USB 2.0 Ports (1 on Rear, 2 on Front)
- 6 USB 3.0 Ports (6 on Rear)
- 3 RS232 Serial Comm Ports
- 1 Bluetooth v4.0 / v3.0 + HS
- 1 WiFi IEEE 802.11 a/b/g/n/ac
- 8 On Board Audio Ports
- 1 DVD + / - RW DVD Burner 20x / CD - RW 40x Internal Optical Drive
- 1 1 TB (7,200 RPM) SATA Hard Drive
- 1 120 GB Solid State Drive, SATA3
- 1 500 Watt 1U ATX Power Supply
- 1 Industrial Hardened Case Slim 2U Design for 19" Rack
- 1 101 Key Enhanced Heavy Duty Keyboard
- 1 Optical PS2 / USM Mouse
- 1 LCD Monitor with Speaker
- 1 Desk Top Color Printer
- 1 Windows 7 Professional 64-bit Operating System
- 1 GraniteNet Basic Software
- 1 User Guide
- 1 GraniteNet Basic Software Support Plan (1-Year)

1 UPS (Optional)

- 1 Input 120-Volt / Output 120-Volt
- 1 Cord Management Straps

1 AUTO PAYOUT FOR REEL (Optional)

Schwalm USA, LLC
17 A.D. Asbury Road
Greenville, SC 29605



SCHWALM

USA

Invoice 21460

Due to extreme supply chain volatility across the industry, product pricing is now valid for 24 hours. Should you have prior prices or quotes please reach out for updated pricing regularly until further notice.

LOIS

Shipping Address: Cruz Tec, Inc. 12506 Ann Lane Houston, TX 77064	For: Cruz Tec, Inc. 12506 Ann Lane Houston, TX 77064	Customer #: 11034
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Customer's job:	P.O.#: Talpa 2060 System	Ship terms: Prepaid
Invoice date: 02/04/22	Salesperson: Sean Fuller	Ship via: Customer Pickup
Ship date: TBD	Pay terms: Prepaid	F.O.B.: Origin
Contact:		Ref:

Remarks:

Seq	Item code	Description	U/M	Quantity			Requested Ship Date	Sell Price	Amount
				Order	Shipped	Active			
001	L03295	Control Unit 19" Cues Sys	EA	1.00				21,500.00	21,500.00
~~002~~	~~L02462~~	~~Talpa FSR2060 Dig 12PinCUES~~	EA	1.00				~~95,500.00~~	~~95,500.00~~
003	Z00038-02	Camera MiNa NTSC Analog w/ Case	EA	1.00					
004	THR500	SCHWM THR Air/H2O Assmby 500' Hose	EA	1.00				17,500.00	17,500.00
005	11641	AirMtr 2060 w. Access	EA	1.00				2,400.00	2,400.00
006	11646	AirMtr 1330 w Access	EA	2.00				2,200.00	4,400.00
007	Z00038-02	Camera MiNa NTSC Analog w/ Case	EA	1.00				7,900.00	7,900.00
008	000464-01	Carbide Wheel Talpa 2060	EA	4.00				475.00	1,900.00
009	Z00147-01	16"-24" Large Tire 2060 w/ Screws	EA	4.00				750.00	3,000.00
010	Z00143-01	Air Motor Riser	EA	1.00				1,000.00	1,000.00
011	SW00004-M14-V2	Piranha Large Ball 70mm v2 M14	EA	1.00				1,350.00	1,350.00
012	SW00002-M14-V2	Piranha Small Ball 50mm v2 M14	EA	1.00				1,000.00	1,000.00
013	SW 00005 M14	NTECII Mushroom Milling Head Large	EA	1.00				475.00	475.00
014	SW00006 M14	NTECII Mushroom Milling Head Small	EA	1.00				425.00	425.00
015	IVEHINT	Vehicle Integration	EA	1.00				6,000.00	6,000.00
016	DHC075025500	Poly Dual Hose Complete w/ Fittings	EA	1.00					
017	DISC	Miscellaneous Discount	EA	1.00				-10,000.00	-10,000.00

Sub Total:	154,350.00
Sales Tax:	8,901.00
Total:	163,251.00

-95,500
missing item #2

missing Talpa FSR2060 Dig 12PinCUES