

**ENGINEERED
SOLUTIONS**

o f G e o r g i a

G E O T E C H N I C A L S E R V I C E S



Proposal

Lili Properties
961 DeSoto Street
Atlanta, GA 30314



A Lifetime of Support

2260 Northwest Parkway Suite H Marietta, GA 30067
ofc. 678.290.1325 fax 770.956.7403 www.esogrepair.com

July 31, 2017

Dear Kaveh,

I would like to take this opportunity to thank you for choosing Engineered Solutions to provide you with a quote for your foundation repair needs.

Jay Eastland, Luis Cuevas, and I have a combined 50 years of experience in the foundation and waterproofing business. We have many products at our disposal, which allow us to customize a repair to your specific need. We are accustomed to working with engineers in our area and will be glad to furnish some recommendations should the need arise.

Engineered Solutions of Georgia strives to make it as easy as possible for you to do business with us, we accept most major credit cards, offer six months same as cash and several 100% financing options. Once you have made the decision to work with ESOG on your project we will do everything in our power to insure your satisfaction.

We are committed to being very accessible through the repair process and the bid process as well. We very much look forward to working with you in the near future and would be glad to answer any questions. Please feel free to contact either one of us at the office or try the cell numbers listed below. We also invite you to visit us on the web <http://www.esogrepair.com>, see our reviews on Kudzu.com ([click here](#)), our third party customer service audit conducted by guild quality ([click here](#)) and our A rating with the Better Business Bureau ([click here](#)).

Yours truly,

Chuck Irby

Jay Eastland
404-754-4689
Luis Cuevas
678-654-4244



The ESOG Advantage

click on each icon to see more information



Guildmaster Award 2014, 2015
Service Excellence Award 2012, 2013
Best of Awards 2011, 2012, 2013, 2014



Contractor Award
Best of 2012, 2013, 2014, 2015



Super Service Award
2010, 2011, 2012, 2013, 2014



Verified Foundation Repair Contractor
2010, 2011, 2012, 2013, 2014, 2015



Five Star Rated Contractor
2010, 2011, 2012, 2013, 2014, 2015



Preferred Contractor
2010, 2011, 2012, 2013, 2014, 2015



ENGINEERED SOLUTIONS

o f G e o r g i a

2260 Northwest Parkway • Suite H • Marietta, GA 30067 • 678-290-1325

Commercial Contract for Services

Date of Issue: **7/31/17**

Customer Information

Name: **Kaveh Kamooneh Lili Properties Inc**
 Address: **PO Box 728**
 City: **Decatur** State: **GA** Zip: **30031**
 Phone: **(678) 532-1000**
 Cell:
 Fax: **(404) 963-5231**
 Email: **kaveh@Liliproperties.com**

Jobsite Information

Contact Name: **Kaveh Kamooneh Lili Properties Inc**
 Address: **961 Desoto Street**
 City: **Atlanta** State: **GA** Zip: **30314**
 Phone: **(678) 532-1000**
 Cell:
 Fax: **(404) 963-5231**
 Email: **kaveh@Liliproperties.com**

ENGINEERED SOLUTIONS OF GEORGIA PROPOSES TO FURNISH AND INSTALL THE FOLLOWING SCOPE OF WORK:

To provide and install a Structural Repair Program for the purpose of Stabilizing the Lateral Movement condition occurring on the rear 145' of the large stone retaining wall.

INSTALL 28 DRILLED AND GROUTED ANCHORS

1. Using a mini excavator and drill, drill 3" holes through retaining wall or core drill if necessary
2. Drill threaded 40\20 titan bar anchor through each hole to the specified depth per engineering
3. Pressure inject neat cement grout through the center of the threaded titan bar to lock anchor in place
4. Place retaining plate and nut to each anchor and tension to tie back wall.
5. Cut end of each anchor and paint to match

Payment Schedule	
Deposit	\$9,675.00
Due Upon Completion	\$29,025.00

Total Contract Amount \$38,700.00

Quotation valid for 30 days from the date of issue. Contract subject to terms and conditions printed on the accompanying addenda.

Presented by ESOG

Accepted by the Customer

ESOG Signature

Date

Customer Signature

Date

Chuck Irby

Print Name

Kaveh Kamooneh Lili Properties Inc

Print Name

Terms & Conditions of This Contract

Customer: Kaveh Kamooneh Lili Properties Inc Jobsite Address: 961 Desoto Street , Atlanta, GA 30314

Date of Issue: 7/31/17

PAYMENT TERMS

Payment terms shall be as stated in this proposal. Payment is due in the form of cash, check, credit card or money order. The customer hereby expressly agrees and consents to ESOG's presentation of and request for payment of any check or other payment order issued to ESOG by the customer by any commercially reasonable electronic means in accordance with applicable provisions of the Uniform Commercial Code and the customer further authorizes any bank or other financial institution on which any such order is drawn or through which such order is payable to make payment pursuant to such order directly to ESOG or for credit to ESOG's account by electronic funds transfer. ESOG may apply the customer's payment against any open charges at ESOG's sole discretion. The customer agrees to pay ESOG on past due accounts a monthly interest charge equal to the maximum interest charge permitted by the law governing the account between the customer and ESOG. The customer and ESOG further agree that, where required by law to specify such rate, a rate of one and one-half percent (1.5%) per month shall apply. The interest rate provided hereby shall continue to accrue after ESOG obtains a judgment against the customer. The customer agrees to pay ESOG all costs, expenses of collection, suit or other legal action, including all actual attorney's and paralegal fees incurred pre-suit, through the trial, on appeal or in any administrative proceedings brought about as a result of the commercial relationship between them. Any cause of action which ESOG may have against the customer may be assigned by ESOG or any affiliate thereof without the consent of the customer.

CONTRACT TIME

It is understood that the work is to be performed in one continuous operation unless otherwise specifically agreed.

PERMITS

The customer shall provide permits for all work.

CLEAR WORK AREA

This includes removal by the customer of any and all obstructions and/or impediments in the work area. This includes but is not limited to: carpet, floor covering, stairs, counters, counter tops, cabinets, shelves, plumbing, appliances, furniture and fixtures. A workspace of at least 36" from each wall and a clear path of ingress and egress for personnel and equipment to and from the work area shall be provided.

ACCESS TO WORKSITE, WATER AND ELECTRICAL POWER

The customer shall provide access to the work area, water for mixing concrete (if necessary) and cleanup and electricity. If no power is provided, the customer will be responsible for any cost incurred in providing power. In the event of circuit overload, access to the fuse or circuit breaker box (electrical service) must be provided. In the case of fuses, the customer must provide an ample supply of replacement fuses in the event of circuit overload. If pumps are required, the customer shall be responsible for providing an electrical outlet within 25 feet of the pump.

PRE-BID INFORMATION

Information used in planning the work covered in this proposal has been furnished by the customer and ESOG assumes no responsibility for its accuracy. If conditions are not in accordance with the information furnished to ESOG by the customer or others, the recommended procedures and scope of work in this proposal may not be accurate and any additional expenses incurred by ESOG as a result of this difference will be reimbursed to ESOG by the customer at cost plus 15%.

PRIOR NEGOTIATIONS

All prior negotiations, proposals, correspondence and memoranda between the customer and ESOG are superseded by this proposal. This proposal, in its entirety, shall be made an integral part of and incorporated into any purchase order, proposal or contract agreement resulting from it. This proposal is subject to revision in scope, price and terms if not accepted in writing by the customer within 30 days.

TERMINATION OF CONTRACT

If conditions beyond ESOG's control make it impossible for ESOG to perform as specified and the customer elects to terminate the contract, ESOG will be entitled to reimbursement in full for all ESOG's costs including mobilization, labor, materials and overhead plus a reasonable profit for all work performed up to the date of written notification of termination by the buyer.

LIEN RIGHTS

It is mutually agreed that ESOG shall retain any and all rights conferred upon it by the lien statutes of the state in which the jobsite is located and of the federal or territorial government.

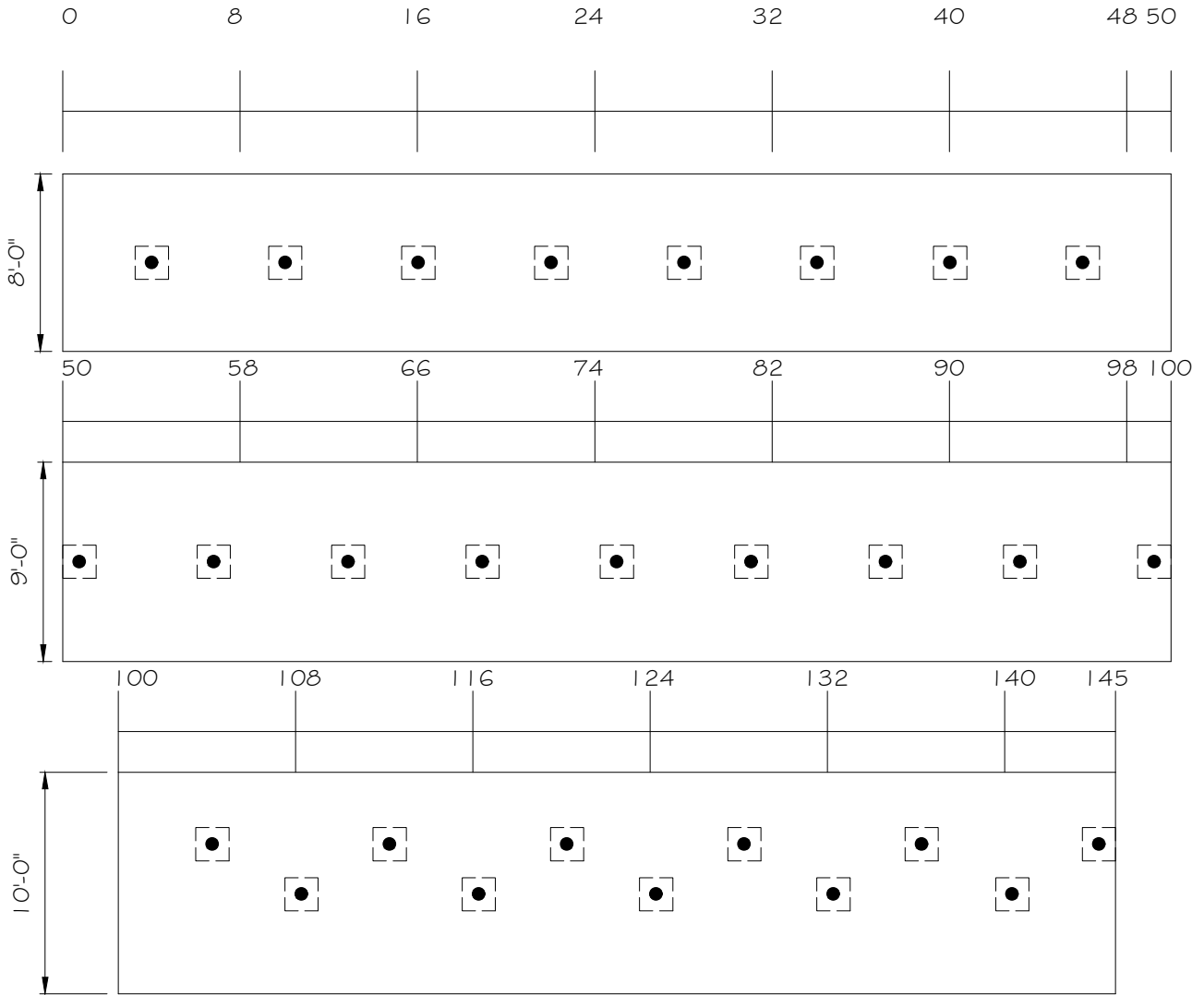
SURVEYS AND UTILITY LOCATE

The customer shall provide surveys to locate and stake for all pile locations and top of pier elevations and shall locate all underground utilities.

NORMAL CONSTRUCTION

This contract assumes normal construction, concrete thickness and footing depth (no more than three feet below interior slab) and further assumes compliance with applicable building codes. If unforeseen subsurface conditions are encountered additional charges may be levied (at the contractor's option) to prepare the area for install

Customer Signature



LEGEND



INDICATES NEW DRILLED AND GROUTED TIEBACKS

**REPAIR
PLAN**

961 Desoto Street
Atlanta, GA 30314

DRAWN BY

RS

SCALE

N.T.S.

DATE

7/31/2017

DRAWING NUMBER

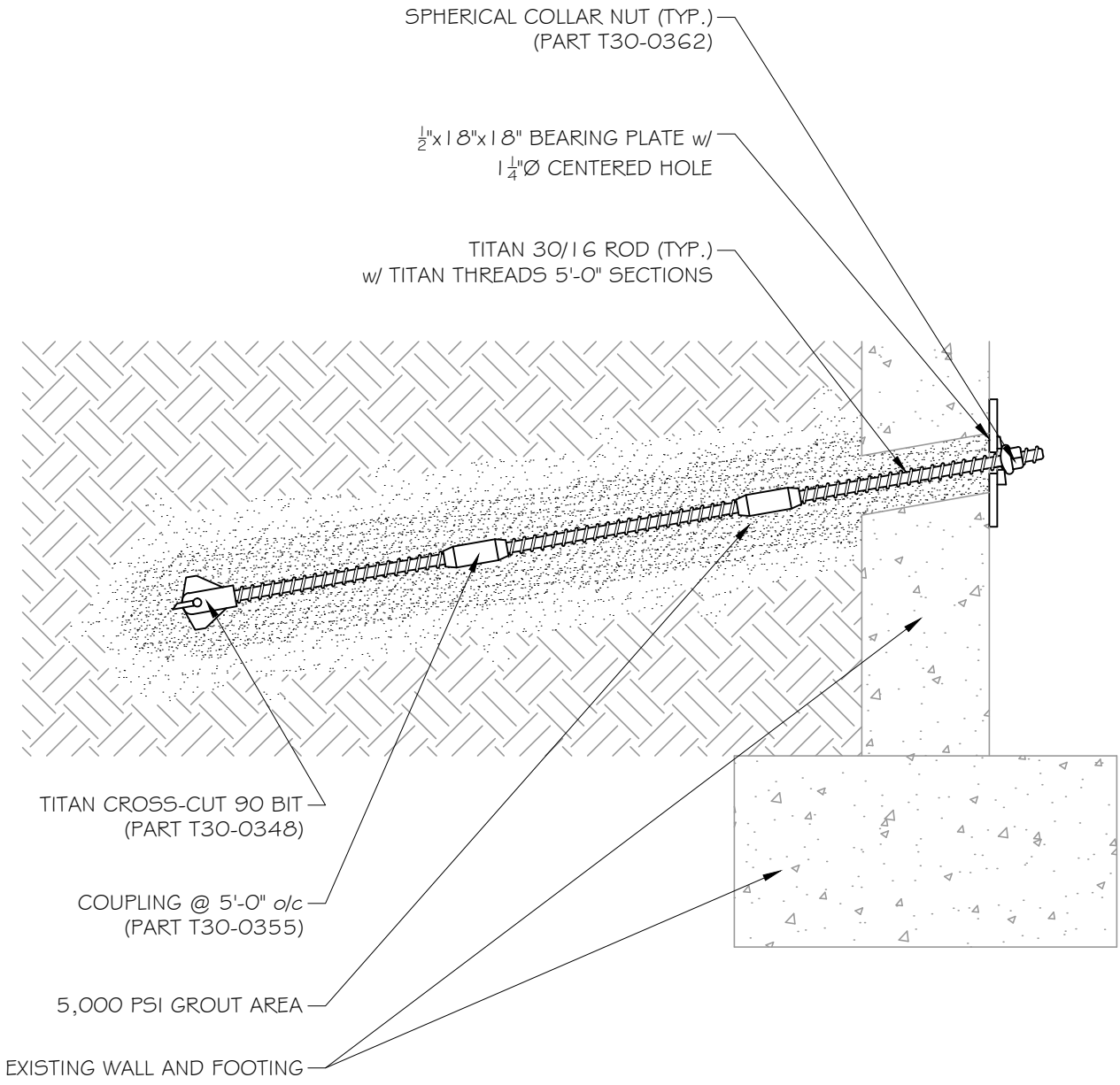
SK-1



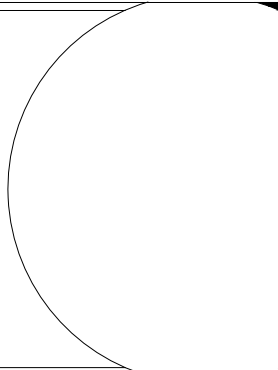
**ENGINEERED
SOLUTIONS**
of Georgia

Foundation Repair & Waterproofing


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**DRILLED AND
GROUTED
TIEBACKS**



DRAWN BY	OC
SCALE	N.T.S.
DATE	2/9/15
DRAWING NUMBER	SK-1



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of Georgia
Foundation Repair & Waterproofing

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Micropiles

ISCHEBECK®

TITAN



- ❖ **IBO®: Injection BOring**
- ❖ **The piling solution for difficult ground conditions**
- ❖ **No harmful vibrations or noise**
- ❖ **Easily installed in confined spaces**
- ❖ **Micropiles with capacities up to 1169 kips (5200 kN)**



Con-Tech Systems Ltd.

CTS/TITAN IBO® (Injection Bore) piles are ideally suited as micropiles, otherwise known as anchor piles, mini piles or root piles (pali radice).

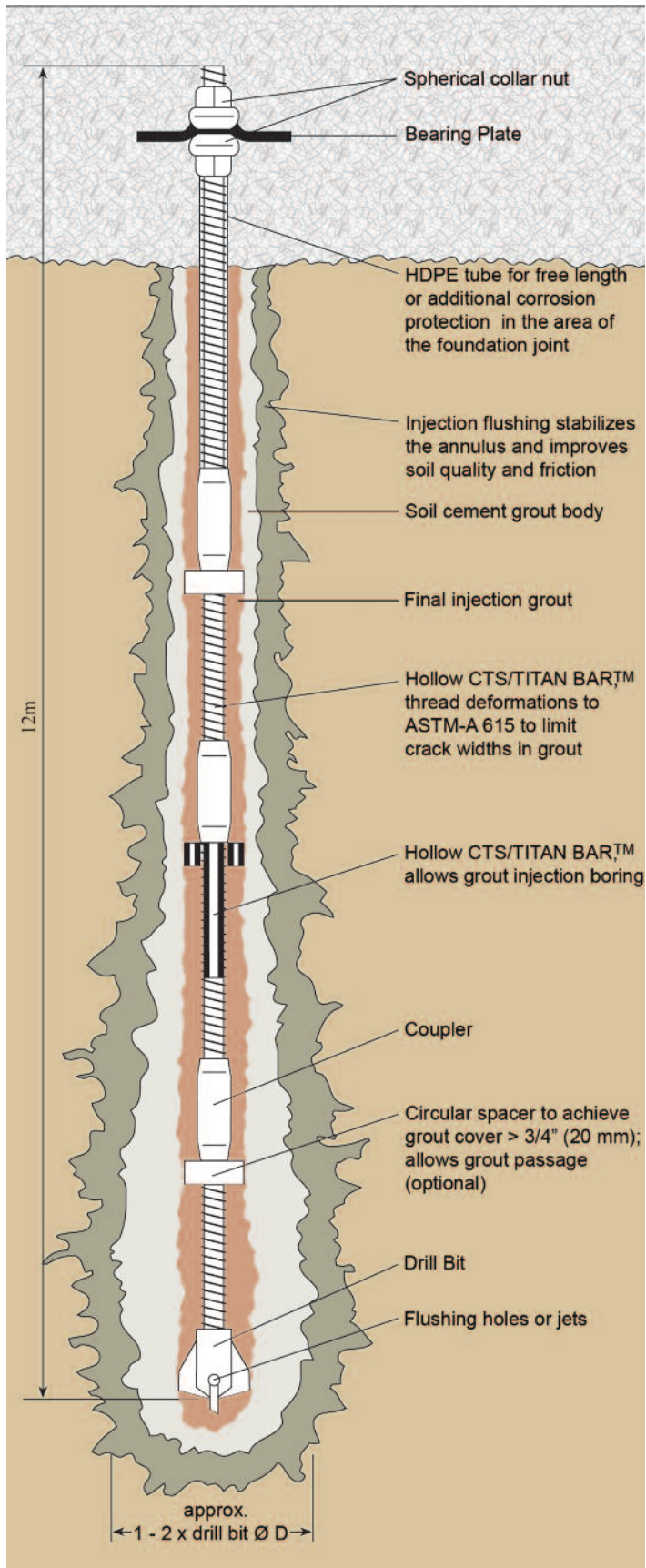
CTS/Titan IBO® micropiles consist of a continuously threaded, hollow bar as reinforcement tendon, combined with a Portland Cement grout body of a minimum 3.63 ksi (25 N/mm²) strength. The rough, profiled surface of the grout body transfers tension and/or compression loads to the ground.

CTS/TITAN micropiles comply in Europe with DIN 4128, EAU E 28 and final draft CEN/TC288/WG/8 specifications and in North America with FHWA recommendations FHWA-SA-97-070. The material of the hollow bar, as well as the thread deformations comply with **ASTM A-615**.

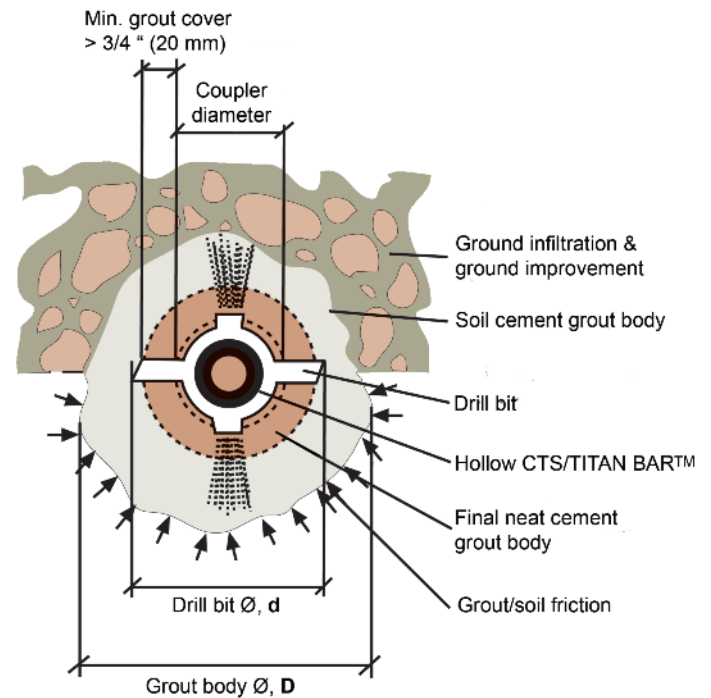
Advantages over conventional piles

- Works in compression and tension
- Does not require temporary casing
- Improved mechanical ground/grout interaction reduces overall depth
- Dramatically increased production rates
- Lightweight rotary percussive drilling equipment
- Easily installed in confined spaces
- Permits top down mini jet grouting in saturated clays and silts complete with rebar
- Perfect for structural repairs and underpinning
- Remote de-coupling unit facilitates underwater piling from barges or drill platforms
- Injection bored CTS/TITAN micropiles provide a range of working loads from 29.7 kips (132 kN) to 1,169 kips (5,200 kN)
- No harmful vibrations or noise
- Minimal spoil





Cross section of exhumed CTS/TITAN IBO® micropile



Grout Body Diameter, D, in different Soils

- $D \geq 2.0 \times d$ for medium & coarse gravel
- $1.5 \times d$ for sand & gravelly sand
- $1.4 \times d$ for cohesive soil (clay, marl)
- $1.0 \times d$ for weathered rock

d: Drill bit diameter

Please Note:

The above illustration is based on actual tests and experiences using the CTS/TITAN IBO® system installed with appropriate drilling and grouting equipment.

Reticulated Micropile Wall

Owner: CN Rail
Contractor: Geo-Foundations Contractors Inc.
Location: Ontario, Canada

Installation of an array of 125 micropiles 39.4' (12 meters) deep, with half of them vertical while the other half are inclined towards the core of the embankment. The piles are then tied into a 203' (62 meter) long reinforced concrete beam. Project was completed without interruption to the rail traffic.



Phoenix Sky Harbor Airport Terminal 4 Expansion

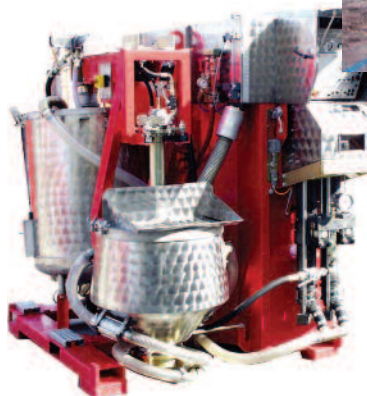
Contractor: Scheffler Nevada Corp.
Location: Phoenix, AZ

CTS/TITAN IBO® micropile foundation



Obermann Grouting Stations

VS 110 (left) and VS 63 grouting stations for flushing and grouting of micropiles



The White Sands of La Jolla

Owner: Southern California
Presbyterian Home
Owners
Contractor: Condon Johnson, San
Diego, CA
Location: La Jolla, CA

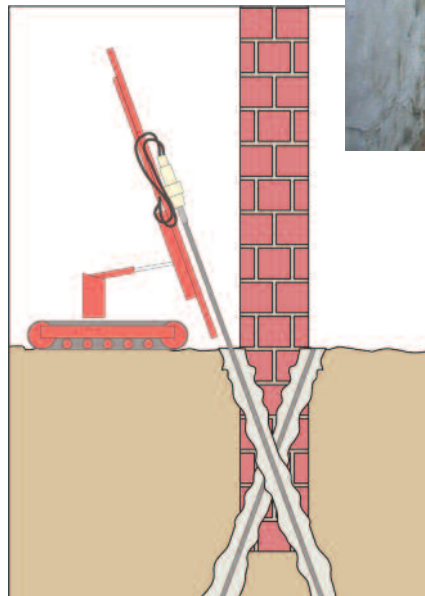
Underpinning of soil nail shoring wall



Titan Micropiles for Underpinning

General Cont.: Levine Builders
Engineer: Mueser Rutledge
Consulting Engineers
Found. Cont.: Moretrench
Location: New York City, NY

Moretrench installed hollow CTS/TITAN BARST[™] 40/16 at 28 locations for micropiles. The 55' (17 m) long micropiles, underpin a turn of the century, two story, brick warehouse. The underpinning was necessary because of excavation work for the construction of a new building adjacent to the existing warehouse.



Utah State Capitol Building

Contractor: Becho Inc.
Engineers: Geotechnical Design Services INC.
Location: Salt Lake City, Utah

Largest micropile installation in the USA (over 3000) for seismic base-isolation and restoration.



LDS Church Temple Square

Owner: LDS Church
Contractor: Becho Inc.
Engineers: Geotechnical Design Services INC.
Location: Salt Lake City, Utah

Tabernacle seismic upgrading and renovation using CTS/TITAN IBO® micropiles.

Wind Turbine Tower Foundations

Contractor: Pacific Industrial Electric, Brea CA

Wind turbine foundations for NEG-MICON 54/950 kW wind turbine generators on 180' (55 m) towers using CTS/TITAN IBO® 52/26 anchors for micropiles.



Foundation of Blast Resistant Enclosures

Numerous Job-Sites

Security tower bases using CTS/TITAN IBO® 73/45 anchors for micropiles.



Internal carrying capacity

The internal carrying capacity is influenced by friction behavior, crack width limitation and corrosion protection. The reinforcement type thread of the hollow CTS/TITAN BAR™ conforms to ASTM A-615 and other international standards. The related rib area of 0.13 is very close to the maximum values for reinforcing bars. Consequently, optimum bond is achieved as in reinforced concrete. **This is a unique feature of the CTS/TITAN IBO® micropile.**

Corrosion protection

As with reinforced concrete these ribs induce a uniform crack distribution in the grout. Investigations by the University of Munich on excavated grout bodies reinforced with hollow CTS/TITAN BARS™ 30/11 have shown that up to 125% of the design load (according to DIN) the characteristic crack widths are below the permissible value of 0.004" (0.1 mm) as required by ASTM A-615 and other international standards. This proves that the system complies with DIN 4128 9.2 and that the corrosion protection with minimum grout cover of 3/4" (20 mm), as with reinforced concrete, is sufficient for permanent piles

Internal carrying capacity fully utilized

The internal carrying capacity derived from the yield load can be fully utilized for permanent tension piles.

External carrying capacity

For the dimensioning of the load bearing length, L , of a pile with grout body diameter, D , the external carrying capacity is critical. It is determined by the ultimate soil friction, q_{sk} , the surface area of the grout body and a safety factor, according to DIN 4128 table 2.

End bearing capacity of the CTS TITAN IBO® micropile can be ignored.

Ultimate skin friction values should be derived from site investigations and tests. DIN (German Industrial Standard) V 1054-100 table F1 offers conservative q_{sk} values for some soil types:

Type of soil	Ultimate skin friction q_{sk}	
	psi	kN/m ²
Medium to coarse gravel ¹⁾	29	200
sand and gravelly sand ¹⁾	21.75	150
cohesive soil ²⁾	14.5	100
¹⁾ $D \geq 0.4$ resp. $q_{ck} \geq$		1.45 ksi (10MN/m ²)
²⁾ $l_c \approx 0.1$ resp. c_{uk}		14.5 psi (100 kN/m ²)

Buckling

According to DIN 4128 9.3 calculations for buckling have only to be done if the undrained shear strength of the soil C_u is below 1.45 psi (10 kN/m²). Critical cohesive soils according to E9 EAU are:

Type of Soil	Shear Strength C_u	
	psi	kN/m ²
clay, soft & easily kneadable	1.45 - 3.6	10 - 25
loam, soft	1.45 - 3.6	10 - 25
chalk	1.45 - 7.25	10 - 50
clay	1.45 - 2.9	10 - 20
peat	0.73 - 1.45	5 - 10

For references on standards and principal tests performed, please contact us or visit our Web-Site at www.micro-piles.com.



Load bearing length, L, for tension or compression piles

$$L = \frac{F_w \cdot S}{\pi \cdot D \cdot q_{sk}}$$

F _w	Safe working load
S	Safety factor
π	3.142
D	Grout body diameter
q _{sk}	Ultimate skin friction

Example:

Required load:	22.5 kips
Material:	sand
Drill bit diameter, d:	4.4"
Ultimate skin friction q _{sk}	21 psi

1) Grout body diameter, D:
 $D = d \cdot (\text{enlargement factor for sand})$
 The enlargement factor for sand is 1.5 (please see page 3).

2) Load bearing length, L:

$$L = \frac{(22.5 \text{ kips} \cdot 1000) \cdot 3}{\pi \cdot (4.4 \text{ inch} \cdot 1.5) \cdot 21 \text{ psi}}$$

$$L \geq 155 \text{ inch} = 12.9 \text{ ft}$$

Load bearing capacity, F_{CP}, of compression only piles

Compression only piles have the ability to spread the load over the steel section and the grout body as a composite pile.

Example:

CTS/TITAN BAR™	52/26
Outer bar diameter	2"
Ultimate strength of bar, F _U	209 kips
Drill bit diameter, d	6.9"
Enlargement factor for ground (conservative estimate)	1
Grout compressive strength G _C after 28 days	5.8 ksi

Load taken on grout (conservative estimate)

$$F_G = A_G \cdot \frac{G_C}{4}$$

F _G	Load taken on grout
A _G	Grout area
G _C	Grout compressive strength

The area of the grout is calculated as the area of the grout body minus the steel area. (In the example, the grout body diameter is assumed to be the same as the drill bit diameter):

$$A_G = ((6.9)^2 - 2^2) \cdot \frac{\pi}{4} = 10.9 \cdot \pi \text{ inch}^2$$

Consequently, the load taken by the grout is

$$F_G = 10.9 \cdot \pi \cdot \frac{5.8}{4} \text{ kips}$$

$$F_G \approx 50 \text{ kips}$$

The Design Load taken on steel, F_S

$$F_S = F_U \cdot 0.6$$

becomes, with the ultimate strength F_U of the CTS/TITAN BAR™ 52/26,

$$F_S = 125 \text{ kips}$$

The total working load, F_{CP}, of the pile in this conservative estimate is

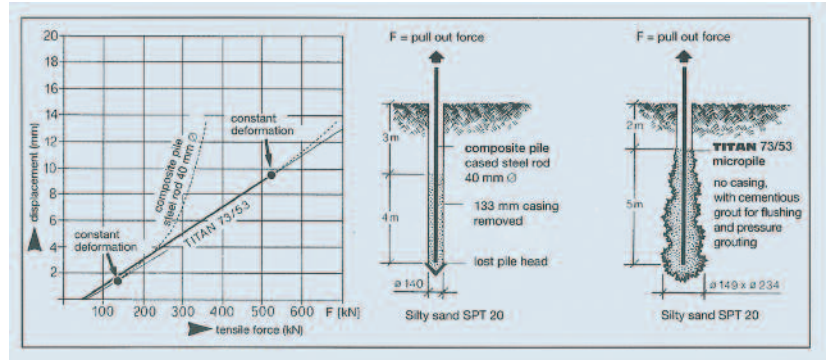
$$F_{CP} = F_G + F_S \approx 50 + 125 \text{ kips or}$$

$$F_{CP} \approx 175 \text{ kips}$$

Please Note: These examples are applicable to CTS/TITAN IBO® micro piles only. Design requirements and safety factors may vary.

Load deformation chart of 7m (23 ft) long grouted piles

Load deformations are compared in the same silty sand for a solid steel bar 40 mm (1 1/2") diameter with cased hole and a CTS/TITAN IBO® 73/53 (2 7/8" / 2 1/8") micropile with grout flushing W/C ratio 0.7 and final grout W/C 0.4 pressure grouted at max. 60 bar (870 psi).



Installation procedure for CTS/TITAN IBO® micropiles

To utilize the CTS/TITAN IBO® micropiles to their full potential, it is essential that they are installed properly. We do not advise using air instead of grout while drilling, as it will potentially lead to reduced skin friction of the finished pile.

Please contact Con-Tech Systems Ltd. for best practices when installing CTS/TITAN IBO® micropiles.

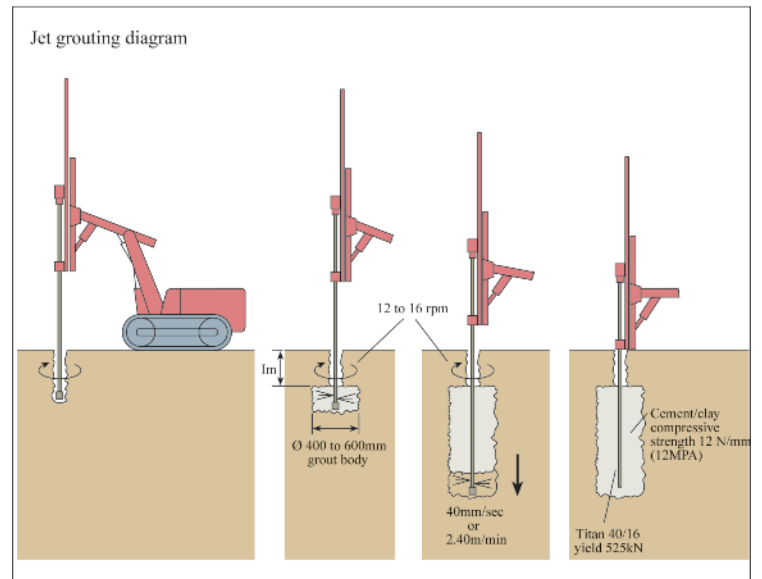
Mini jet grouting

In order to install a working micropile in plastic clays and/or silty (SPT 3-4) conditions, Ischebeck Titan mini jet grouted micropiles can be used.

The system involves installing the pile without grout for the first 3 feet (1 meter) and then injecting a grout mix with a W/C ratio in the range of 0.8, at a grout pump pressure of up to 2900 psi (200 bar).

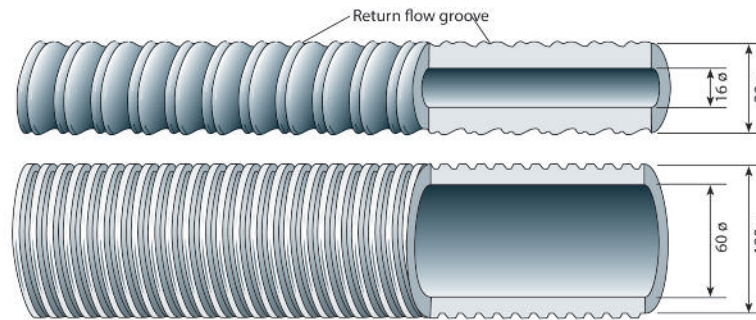
A grout body in the order of 15 3/4" (400 mm) to 23 5/8" (600 mm), with a compressive strength of 1.7 ksi (12 MPa) can be achieved in these ground conditions.

The 40/16 CTS/Titan IBO® micropile, together with a 4 3/8" (110 mm) hardened clay drill bit with adapted nozzles, is used for this application.



Product specifications

Ischebeck hollow CTS/TITAN BAR™ type denotes external diameter of bar followed by its internal diameter. For example, a Titan 30/16 bar has an external diameter of 30mm and an internal diameter of 16mm.



Bar Type	Unit	30/16	30/14	30/11	40/20	40/16	52/26	73/56	73/53	73/45	73/35	103/78	103/51	127/111	130/60
Nom. outside dia.	mm	30	30	30	40	40	52	73	73	73	73	103	103	127	130
Nominal Inside dia.	mm	16	14	11	20	16	26	56	53	45	35	78	51	111	60
Ultimate load	kN	220	260	320	539	660	929	1194	1160	1630	1980	2282	3460	2400	7940
Yield Point	kN	180	220	260	430	525	730	785	970	1180	1355	1800	2750	1810	5250
Yield Stress	N/mm ²	471	557	583	592	597	546	555	594	522	500	572	500	603	550
Cross Section	mm ²	382	395	446	726	879	1337	1414	1631	2260	2710	3146	5501	3000	9540
Weight	kg/m	2.7	2.9	3.3	5.6	7	10	11.1	12.3	17.8	21.2	24.9	43.4	23.5	75
Thread direct.	-	left	left	left	left	left	left	right	right	right	right	right	right	right	right
Lengths	m	3/4	3/4	3/4	3	3	3	6.25	3	3	3	3	3	3	3

The ultimate load at yield (or the corresponding load which occurs at a constant elongation of 0.2%) was tested by MPA, (the material testing institute of the state of Northrhine Westfalia, Dortmund/Germany). This also applies to the cross sections. Above figures are valid for INOX anchors as well. The stresses mentioned were calculated from the load and cross section values of MPA.

Key features

- Utilization of a steel hollow bar as the tendon** From the static point of view, a hollow bar is superior to a solid rod of the same cross sectional area with respect to bending moment, shear resistance and surface bond/friction.
- Hollow TITAN BAR™ is manufactured from high yield micro alloy high quality structural steel offering** high notch toughness > 39J. This steel is not affected by hydrogen embrittlement or by stress crack corrosion.

- The threads on hollow TITAN BAR™ are formed much like the ribs on a reinforcing bar fabricated according to DIN 488 & ASTM-A 615.** The deep Titan threads result in 2.4 times higher bond friction compared to standard drill steel coil-threads of R 32 (1¼") or R 38 (1½")

- Continuous threads guarantee the TITAN BAR™ can be cut or coupled anywhere along its length.** Cutting, extending, pre-stressing and load releasing on the tendon are possible. A thread pitch of 6° eliminates the need for locking nuts at each coupling.

Contacts



Con-Tech Systems Ltd.

Head Office and Western Division

8150 River Road

Delta, BC V4G 1B5, Canada

Toll Free: 1-888-818 4826

Fax: 604 946-5548

Plants: Delta, BC; & Blaine, WA

Eastern Division

4502 Hanna Drive

Elizabethtown, ON K6T 1A9

Canada

Tel: 613 342-0041

Fax: 613 342-0609

East Stroudsburg, PA USA

Tel: (570) 872-9090

Fax: (570) 872-0901

Cell: (570) 807-9617

Charlotte, NC USA

Toll Free: 1-866-848-6800

Cell: 704 506-8472

Cell: 727 992-4142

Plants: Elizabethtown, ON &
Charlotte, NC

Tom Miller Dam, Texas, USA

Owner: Lower Colorado River Authority

Engineer: Freese and Nichols

Contractor: Nicholson Construction

CTS/TITAN IBO® 40/20 Stitch Anchors , installed under Water

World Wide Web

www.contechsystems.com

E-Mail

Western Division

ctswest@contechsystems.com

Eastern Division

ctseast@contechsystems.com



Con-Tech Systems Ltd.



Engineered Solutions of Georgia
★★★★★ 159 Reviews
(678) 905-1499
www.esogrepair.com »

CONTACT THIS BUSINESS

What your neighbors are saying

★★★★★

Very Helpful, 8/11/2015

I was having difficulty trying to find out where my basement was leaking. I contacted Engineered Solutions based on the reviews I read on line. Allan came to my house and not only gave me a detailed...

★★★★★

Very honest company, 3/25/2015

Allan Waite came and consulted on a sidewalk which was pulling away from our house. He presented the options, and told me about how much each option would cost. The lesser cost was one that I could...

Larry F.
Posted on 2016-03-21

Todd was very knowledge and

Todd was very knowledge and the prices were cheaper. They did a really good and they absolutely fixed everything. They made us happy and I have recommended them and I will again.

OVERALL ★★★★★
QUALITY ★★★★★
SERVICE ★★★★★
VALUE ★★★★★

Joe S.
Posted on 2016-03-10

the experience was extraordinary... starting

the experience was extraordinary... starting with the follow-up from Samantha to the delightful initial call from Luis to the highly-professional skills and professional decorum and sterling work ethics of Shane, Alex, Jonathan, and Cruz. This is not an empty gesture of just wanting to be "nice." As a business man and one conversant with construction, this outfit and team are absolutely first-rate. FIVE STARS for sure!

OVERALL ★★★★★
QUALITY ★★★★★
SERVICE ★★★★★
VALUE ★★★★★

Nick W.
Posted on 2015-10-17

ESoG provided a solid engineered

ESoG provided a solid engineered solution to my structural problems around my home. This consisted of a combination of screw anchors and driven piles. Reaching a good load bearing soil required depths over 20 feet. Their solution was well thought out and all alternatives discussed. The work was carried out on time by professionals who were no strangers to what they were doing. And they were neat! Tarps were used to store the dirt that they had to move, and everything thoroughly cleaned up when they left. They took pride in their work and seemed to delight in showing off what they had accomplished. Well pleased!

OVERALL ★★★★★
QUALITY ★★★★★
SERVICE ★★★★★
VALUE ★★★★★

John M.
Posted on 2015-10-14

ESOG arrived when they said

ESOG arrived when they said they would and set up and started work efficiently. My job was a sinkhole under my driveway that was pulling the surrounding soils into it. Allan surveyed the site and presented a proposal based on his best estimate of the job, while emphasizing that a job like mine had many unknowns that could make it a larger job than expected. He was correct, our sinkhole was much bigger than expected, so the crew came back over four days to finish up the job. They cleaned up every day, and at the end, they pressure washed the street to remove all residues. I watched the job over most of the time they were here and was quite satisfied that they were able to fill the sinkhole and solve my problem. I would definitely use them again.

OVERALL ★★★★★
QUALITY ★★★★★
SERVICE ★★★★★
VALUE ★★★★★

Pat S.
Posted on 2015-10-08

This was the best contractor

This was the best contractor I have dealt with in a long time. They did exactly what they contracted to do, worked in the hot crawl space by going thru a basement window, and the cellar looked better after they left than before. And I feel it is structurally ready for 50 more years. It was a relief to find them for cellar/pier work. There are some fast operators out there! Chris's report went a bit overboard, included speculation, and included the attic—which has stood up there for 100 years with one small plaster incident. My entire objective was improving the main floor and the cellar. That attic photo/commentary caused a lot of anxiety when I gave his report to the prospective buyers, as I was required to do legally. When asked he did remove the speculative comments. The rest of his report was specific and told just what to do. I would use him again, but give directions! Overall the company was terrific. I wish they would advertise under "crawl space". I did not know the magic word 'pier' and it took me months to find them after trying out some other, jackleg operations.

OVERALL ★★★★★
QUALITY ★★★★★
SERVICE ★★★★★
VALUE ★★★★★

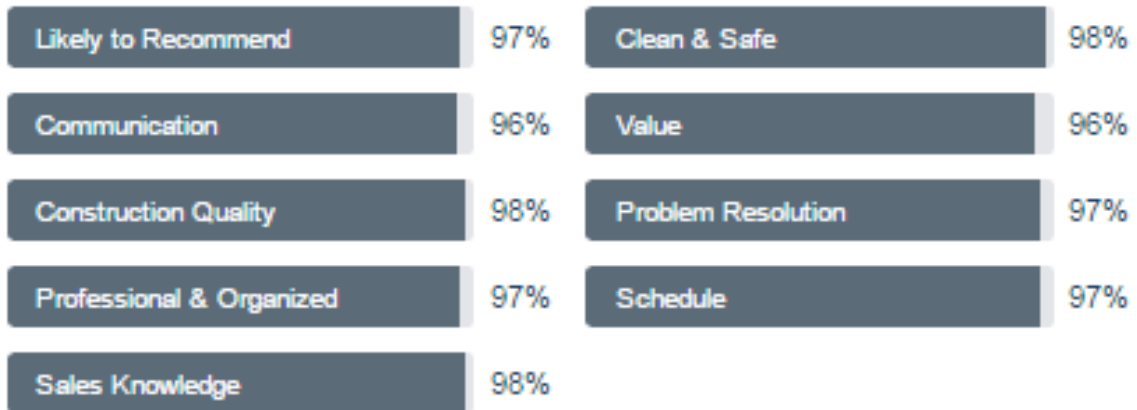




Engineered Solutions of Georgia

2260 Northwest Parkway Suite H · Marietta, GA 30062 · (678) 290-1325
www.esogrepair.com

★★★★★ 178 ratings



Review by Paul A. of Atlanta, GA

Mar 24, 2016



The company exceeded my expectations.

Did you find this helpful? [Yes](#)

Review by Anthony A. of Atlanta, GA

Mar 21, 2016



These guys are honest, knowledgeable, professional, and solve problems.

Did you find this helpful? [Yes](#)

Review by Joe S. of Duluth, GA

Mar 10, 2016



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Did you find this helpful? [Yes](#)

Review by Dave R. of Fayetteville, GA

Mar 09, 2016



Extremely knowledgable and great company!

Did you find this helpful? [Yes](#)

Review by Charles M. of Lilburn, GA

Feb 22, 2016



I am impressed by the work done by Engineered Solutions of Georgia.

Did you find this helpful? [Yes](#)

Review by Matt B. of Smyrna, GA

Feb 20, 2016



Excellent service from beginning to end. Hands down the best experience I've ever had with a contractor.

Did you find this helpful? [Yes](#)

Review by Richard P. of Douglasville, GA

Feb 20, 2016



Did what they promised on time and on budget

Did you find this helpful? [Yes](#)



CORE VALUES

UNDERSTANDING

- It is important to us that our customers fully understand the issues they are having with their home and why the problems have occurred.
- We will create a customized plan that will fully address the issues and insure that our customers completely understand what we will be doing and how it will be done.

TRUST

We want to earn the trust of our customer in three ways:

- **COMMUNICATION** – From the first phone call to the last we will keep our customers informed of their project status and changes as we work together.
- **EXECUTION** – From the project design to the completion of the work we will do exactly what we have contracted together to accomplish.
- **WORKMANSHIP** – Every project is custom designed to correct the issues and we will stand behind it with a warranty that is stated in the contract. We will also send out warranty certificates that are transferable with the property.

RESPECT

We consider our customers friends and family and we treat them that way. We will respect their time by confirming all appointments and arriving on time. We will treat their home like our own while performing all work and we will dress and speak professionally at all times. We ensure that all work related debris is removed when the job is completed.

**ENGINEERED
SOLUTIONS**

o f G e o r g i a



G E O T E C H N I C A L S E R V I C E S

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