

## Elizabeth Ignoffo

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**From:** Jill Selby <jselby@tohowater.com>  
**Sent:** Friday, March 29, 2024 7:52 AM  
**To:** Elizabeth Ignoffo  
**Subject:** [EXTERNAL] RE: Key West - USSI I&I Abatement

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Elizabeth,

I have attached the documentation and agreement for you records. Please use the link below to access the documents.

## Download Link

<https://private.filesanywhere.com/TOHOWATER/fs/v.aspx?v=897167cf90677477a099>

Clicking above requires a password and that is: **fsftp4pur04**

Please let me know if you need additional information.

Jill

Toho Water Authority

Jill Selby  
Procurement Services Department  
Procurement Coordinator II  
Cell: 407-415-5068

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**From:** Elizabeth Ignoffo <eignoffo@cityofkeywest-fl.gov>  
**Sent:** Thursday, March 28, 2024 4:52 PM  
**To:** Jill Selby <jselby@tohowater.com>  
**Subject:** FW: Key West - USSI I&I Abatement

Good afternoon Jill,

City of Key West would like to piggyback on the Toho Water Authority contract that was competitively bid March 11, 2020 and extended through May 12, 2025, issued to USSI, LLC for sanitary sewer system inflow abatement services, including smoke testing, manhole inspections and seal coating, and the installation of rain dishes, cleanout plugs and caps.

City of Key West Code of Ordinances provides an exception to competitive bidding procurement requirements for purchases that are made by piggybacking a government contract, provided the terms of the contract are expressly extended to municipalities. (Sec. 2-797(3))

Please provide a document that gives permission to the city to piggyback on the USSI inflow abatement contract.

We greatly appreciate you help to allow the city to piggyback on the Toho Water Authority contract.

Respectfully,

Elizabeth Ignoffo  
Permit Engineer  
City of Key West  
305-809-3966



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**From:** [eric@ussiusa.com](mailto:eric@ussiusa.com) <[eric@ussiusa.com](mailto:eric@ussiusa.com)>

**Sent:** Thursday, March 21, 2024 1:28 PM

**To:** Matt Willman <[mwillman@cityofkeywest-fl.gov](mailto:mwillman@cityofkeywest-fl.gov)>; Richard.Cleaver <[Richard.Cleaver@jacobs.com](mailto:Richard.Cleaver@jacobs.com)>; Barbara Erlich <[barbara.erlich@cityofkeywest-fl.gov](mailto:barbara.erlich@cityofkeywest-fl.gov)>; Sandy Rico <[sandy.rico@cityofkeywest-fl.gov](mailto:sandy.rico@cityofkeywest-fl.gov)>; Jenny Metz <[jenny.metz@cityofkeywest-fl.gov](mailto:jenny.metz@cityofkeywest-fl.gov)>; Elizabeth Ignoffo <[eignoffo@cityofkeywest-fl.gov](mailto:eignoffo@cityofkeywest-fl.gov)>; Steve Gardner <[sgardner@cityofkeywest-fl.gov](mailto:sgardner@cityofkeywest-fl.gov)>; Sean McCoy <[sean.mccoy@cityofkeywest-fl.gov](mailto:sean.mccoy@cityofkeywest-fl.gov)>; Kelly M. Crowe <[kcrowe@cityofkeywest-fl.gov](mailto:kcrowe@cityofkeywest-fl.gov)>; Dion Vlasak <[dion@ussiusa.com](mailto:dion@ussiusa.com)>

**Subject:** [EXTERNAL] Key West - USSI I&I Abatement

All,

I wanted to thank you all for allowing me to meet with you yesterday! I had a wonderful 36 hours in your peaceful community, which I enjoyed. I wanted to get you the estimate based upon the original GIS file that my office was able to work off of.

The office just sent me the estimate based on our conversations yesterday. I will try and go over how the estimates are put together.

Our TOHO 2023 Piggyback contract was extended until May of 2025, that is attached. We had a price increase several years ago of 7% which is in the TOHO contract at the end signed and executed.

I have included the Inflow Defender Max TPO sole source letter as well since we had it renewed and verified in January of this year.

Key West Estimate:

Estimate 2096 is for our services based upon the TOHO contract. We used the footage that we used from the previous smoke test project so this estimate is based upon 302,000' of sewer mains. We do not charge for lateral footage.

**Smoke Testing** – 302,000’ GPS, image, 18 point defect report.

**Manhole Inspections** – 302,000’ GPS, Image, 56 point inspections report.

**LDL Cleanout Plug with Collar**- As discussed, when we smoke test a number of years ago every cleanout we found was 6”. You confirmed that yesterday during the meeting, so we only included 6” LDL cleanouts in the estimate. We don’t truly know the amount of cleanouts that we will find until we do smoke testing. But looking at the old smoke test reports we provided you, we feel we will find more when we smoke test again so we take that into account. We only invoice for actual plugs installed and you are provided a full report CSV for where every plug was installed with address and GPS. If the collar needs to be changed out we include that as well. We would include caps as well if needed. Since you have the rectangle cleanout box covers, we would simply install the plug in the cleanout and not install a cap, which wouldn’t be necessary.

**Elastaseal Install**- of the 1,373 manholes in your GIS file we are providing an estimate for 1,100 manholes to be sealed. We know that there will be manholes that are in need of full rehabilitation and holes that will need complete ring and cover change outs. We do not spray chimney seals at all if they are in need of rehab or changeout. Again, every manhole that has a chimney seal applied is documented with GPS address and report. You will see that our contract price is \$353.10 per seal applied. That price is for 24” or smaller chimneys in TOHO’s system. For your oversized 32” chimneys our office has provided estimate 2099 which includes an additional \$173.99 per seal. I go into further detail below.

**Midnight Investigation**- 302,000’. This is where Dr. Fred Bloetcher works with our crews to do the flow monitoring from 12 am to 5am. We can usually cover about 400 or more manholes in one night. This is a visual survey of the flows during the lowest flow times. We document every section of sewer between manholes and produce a KML file showing inches of flow from manhole to manhole. This has become a very useful tool for our clients statewide. He then produces a complete I&I study report based upon Smoke Testing, Manhole Inspections, Chimney Seals, LDL repairs and inflow dishes installed. It usually runs about 250 pages and is very intensive and thorough.

Estimate 2099 shows “manhole seals”. Our TOHO contract is for manholes up to 24” chimneys which is the standard size. Your manholes all have chimneys that are 32” round. The additional cost is for the additional size of the manholes which includes sandblasting, removing roots as needed and able, priming the chimney and then spray applying our Elastaseal Chimney Seal. This seal is spray applied on the entire metal casting skirt and then down 4” onto the concrete chimney. This seals the casting to the concrete to prevent infiltration from behind the casting. This coating also protects the top portion of the manhole from H<sub>2</sub>S and caustic elements found in the sewer system.

Estimate 2098 shows the Inflow Defender Max TPO- This cost is for our dish plus installation. We will clean the lip where the dish sits and then we do a report that has picture and a report. TPO material is what is used on marine grade decking for boats and for golf cart bumpers. It is an extremely resilient and flexible material that can hold 20+ gallons of water and will not fail or fall into the manhole due to weight. Also, as I mentioned in the presentation, all of our dishes will come with the SS316 Eye bolt hardware. The sole source letter ties directly to this inflow dish and the TPO material.

I know it’s a lengthy email, but I try to be as detailed as possible so as to answer as many prospective questions I can in one email.

I also try to provide the information as it pertains to Commissioners and what they have asked me in the past when I have met with them throughout Florida for the past 14 years.

Please please please let me know if you have any questions at all. We look forward to working with you in any magnitude we can to help reduce your I&I issues. Thanks so much for your time and take care!

\*The best results are when all of our services are implemented. Cooper City was the biggest success of our companies history where we reduced the flows to their wastewater plant 62% within one calendar year.

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