

SPECIAL MEETING OF WASHINGTON, MISSOURI CITY COUNCIL
OCTOBER 12, 2016 – 5:00 P.M.
2ND FLOOR CONFERENCE ROOM

1. INTRODUCTORY ITEMS:

SUGGESTED
COUNCIL ACTION:

Roll Call /Pledge of Allegiance

Approval and Adjustment of Agenda:

Need Motion/Mayor

2. ORDINANCES/RESOLUTIONS:

- a. An ordinance authorizing and directing the acceptance of the estimate and to proceed with completing the estimated work, submitted by KJ Unnerstall Construction Company, for repairing a sinkhole and replacing a pipe adjacent to Elbert Drive and amending the 2017 Budget, in the City of Washington, Franklin County, Missouri.

Read &Int/Read&Vote/Mayor

Memo

3. ADJOURNMENT:

NOTICE: COPIES OF THE PROPOSED ORDINANCES ON THIS AGENDA ARE AVAILABLE FOR PUBLIC INSPECTION
PRIOR TO THE TIME THE BILL IS UNDER CONSIDERATION BY THE CITY COUNCIL.
POSTED BY MARY TRENTMANN, CITY CLERK OCTOBER 11, 2016

BILL No. _____

INTRODUCED BY: _____

ORDINANCE No. _____

AN ORDINANCE AUTHORIZING AND DIRECTING THE ACCEPTANCE OF THE ESTIMATE AND TO PROCEED WITH COMPLETING THE ESTIMATED WORK, SUBMITTED BY KJ UNNERSTALL CONSTRUCTION COMPANY, FOR REPAIRING A SINKHOLE AND REPLACING A PIPE ADJACENT TO ELBERT DRIVE AND AMENDING THE 2017 BUDGET, IN THE CITY OF WASHINGTON, FRANKLIN COUNTY, MISSOURI

Be It Ordained by the Council of the City of Washington, Missouri, as follows:

SECTION 1: The City of Washington, Missouri, is hereby authorized and directed to accept this estimate submitted and move forward with completing the work estimated, by KJ Unnerstall Construction Company., for professional services associated with the repairing a sinkhole and replacing a pipe adjacent to Elbert Drive. A copy of the estimate is attached and is marked as "Exhibit A".

SECTION 2: All ordinances or parts of ordinances in conflict herewith are hereby repealed.

SECTION 3: This ordinance shall amend the 2017 Budget by increasing the Stormwater Fund amount by \$55,250.00.

SECTION 4: This ordinance shall take effect and be in full force from and after its passage and approval.

PASSED: _____

ATTEST: _____

City Clerk

President of the City Council

APPROVED: _____

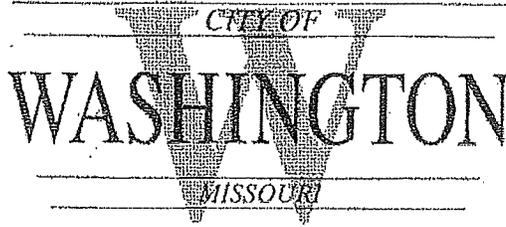
ATTEST: _____

City Clerk

Mayor of Washington, Missouri

EXHIBIT A

K.J. UNNERSTALL CONSTRUCTION CO.
 4923 Southpoint Rd.
 Washington, MO 63090



Elbert Drive Sinkhole Bid Sheet
 10-06-2016

Bids due by 2:00 p.m. on Monday, October 10, 2016
 Return to John Nilges, jnilges@ci.washington.mo.us and
 Andrea Lueken, alueken@ci.washington.mo.us

Work includes the labor and materials needed to remove and replace 100' of 24" CMP with 30" of triple wall HDPP and repair a 50' x 20' sinkhole (size is approximate).

Line Item	Quantity	Unit	Unit Price	Sub-total
Mobilization	1	LS	500.00	500.00
Removals	1	LS	2300.00	2300.00
30" HDPP, Triple Wall	100	LF	130.00	13,000.00
60" C.I.P. Manhole*	15	LF	1650.00	24,750.00
MoDOT Type 5 Aggregate Backfill	700	Ton	21.00	14,700
Asphalt, 2" Thick	25	Ton		BY CITY CREWS
			Total:	55,250

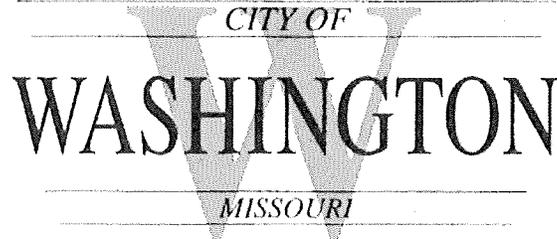
*Connection to approximate 24" x 24" culvert, depth of 15' is an estimate.

Triple wall polypropylene pipe shall conform to the requirements of AASHTO M330 "Standard Specification for Polypropylene Pipe, ASTM F2764 for sizes 30" to 60". All polypropylene pipe shall be installed according with ASTM F2321 "Standard Practice for Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications."

Refer to page 3 of 3 for Required Documents.

City Council will review the bids on Monday, October 17, 2016 with Notice to Proceed to follow their approval. Thank you for taking the time to bid this project.

K.J. UNNERSTALL CONSTRUCTION CO.
 4923 Southpoint Rd.
 Washington, MO 63090



October 11, 2016

Honorable Mayor & City Council
405 Jefferson Street
Washington, Mo 63090

Re: Elbert Drive Sinkhole
Emergency Storm Sewer Repair

Dear Mayor and City Council,

Last Wednesday, October 5th, Public Works was notified of a small sinkhole in the parking lot adjacent to Elbert Drive, just west of the second courtesy dock. Public Works immediately notified the Engineering Department, and we began to complete an inspection to determine the cause and the scope of the repair. Engineering, Public Works, and the Street Department collectively met onsite to inspect the situation.

Findings

1. There is an existing 30" corrugated metal pipe (CMP) which conveys stormwater from a 24" reinforced concrete box culvert (RCB) under the railroad tracks.
2. The hole within the pavement is part of a significant sinkhole under the existing asphalt. This hole is estimated to be 40-50' long by 20' wide and 8-10' deep. Essentially, this portion of the parking lot is hollow underneath.

Remediation

1. To ensure the immediate safety of the public, the extents of the sinkhole were barricaded off. The local newspaper was also contacted to get information to the public as quickly as possible.
2. Engineering determined the best way to move forward would be to remove the CMP, connect to the existing RCB, and place HDPP pipe to combat the significant salt load this pipe experiences. This would ensure the longevity of this pipe is maximized for the future.
3. We immediately began drafting an Engineer's Estimate and bid documents. We contacted two local contractors, who have done work for us in the past, to provide us a bid.

*PLANNING & ENGINEERING SERVICES
405 JEFFERSON STREET
WASHINGTON, MO 63090*

4. There are various unknowns which could affect the final cost.
 - a. Depth of pipe.
 - b. Amount of rock need to fill the void.
 - c. Location of 24" box culvert.
 - d. Actual connection to the 24" RCB.
5. The trench will be backfilled with rock material and topped with asphalt millings until city crews can repave in spring of 2017.

Bid Results

1. Engineer's Estimate: \$43,860.00
 2. Unnerstall Contracting: \$193,125.00
 3. KJU: \$55,250.00*
- *An \$11,500.00 value engineering savings can be realized by utilizing a precast structure.

Schedule / Construction Impacts

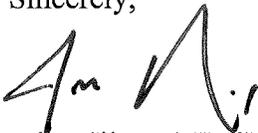
1. Contractor can begin immediately.
2. Construction completion is anticipated for the first week in November 2016. This may need to be adjusted due to unknowns.
3. Complete closure of Elbert Drive just west of the second courtesy doc. This is to ensure safety and ensure construction can happen quickly. Local traffic may be allowed if coordinated with the contractor and the City.

I am recommending moving forward the bid from KJU to complete the work. Once the RCB is excavated, we will evaluate accepting the value engineering savings. This final payment will be based upon actual material and work completed.

I am also requesting a budget amendment for the amount of \$55,250.00 to be paid out of the Stormwater Fund.

Find in this packet an ordinance, for your consideration, that would allow the City to enter in to a contract with K.J. Unnerstall Construction Co. and would be paid out of the City of Washington's Stormwater Fund.

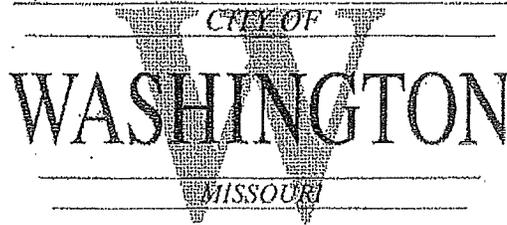
Sincerely,



John Nilges, PE, CFM, CPESC
City Engineer, City of Washington

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405 JEFFERSON STREET
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Asphalt, 2" Thick	25	Ton		BY CITY CREWS
			Total:	55,250

*Connection to approximate 24" x 24" culvert, depth of 15' is an estimate.

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Refer to page 3 of 3 for Required Documents.

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K.J. UNNERSTALL CONSTRUCTION CO.
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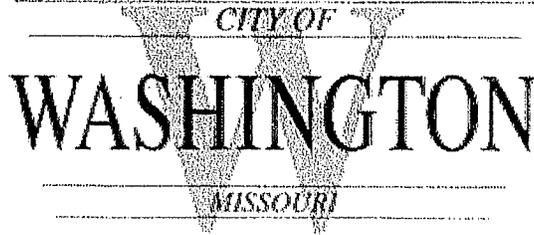
Nilges, John

From: Chris Locher <chris@kjuinc.com>
Sent: Monday, October 10, 2016 2:29 PM
To: Nilges, John; Lueken, Andrea
Subject: Sink Hole RiverFront
Attachments: 20161010153838651.pdf

John and Andrea,

Attached is KJU quote for the sink hole on riverfront. Call if you have questions. The cast in place option is expensive and will take at least 1 week to do. Precast is the best option both in cost and timeframe. Please consider the following, we can discuss in detail over the phone.

Precast Option - \$13,250 (72" Setover manhole) – will be build to customize whatever Height you want.



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Line Item	Quantity	Unit	Unit Price	Sub-total
Mobilization	1	LS	35,000.00	35,000.00
Removals	1	LS	53,000.00	53,000.00
30" HDPP, Triple Wall	100	LF	580.00	58,000.00
60" C.I.P. Manhole*	15	LF	1,975.00	29,625.00
MoDOT Type 5 Aggregate Backfill	700	Ton	25.00	17,500.00
Asphalt, 2" Thick	25	Ton		BY CITY CREWS
Total:				\$193,125.00

*Connection to approximate 24" x 24" culvert, depth of 15' is an estimate.

*Railroad Insurance and Flagman By City

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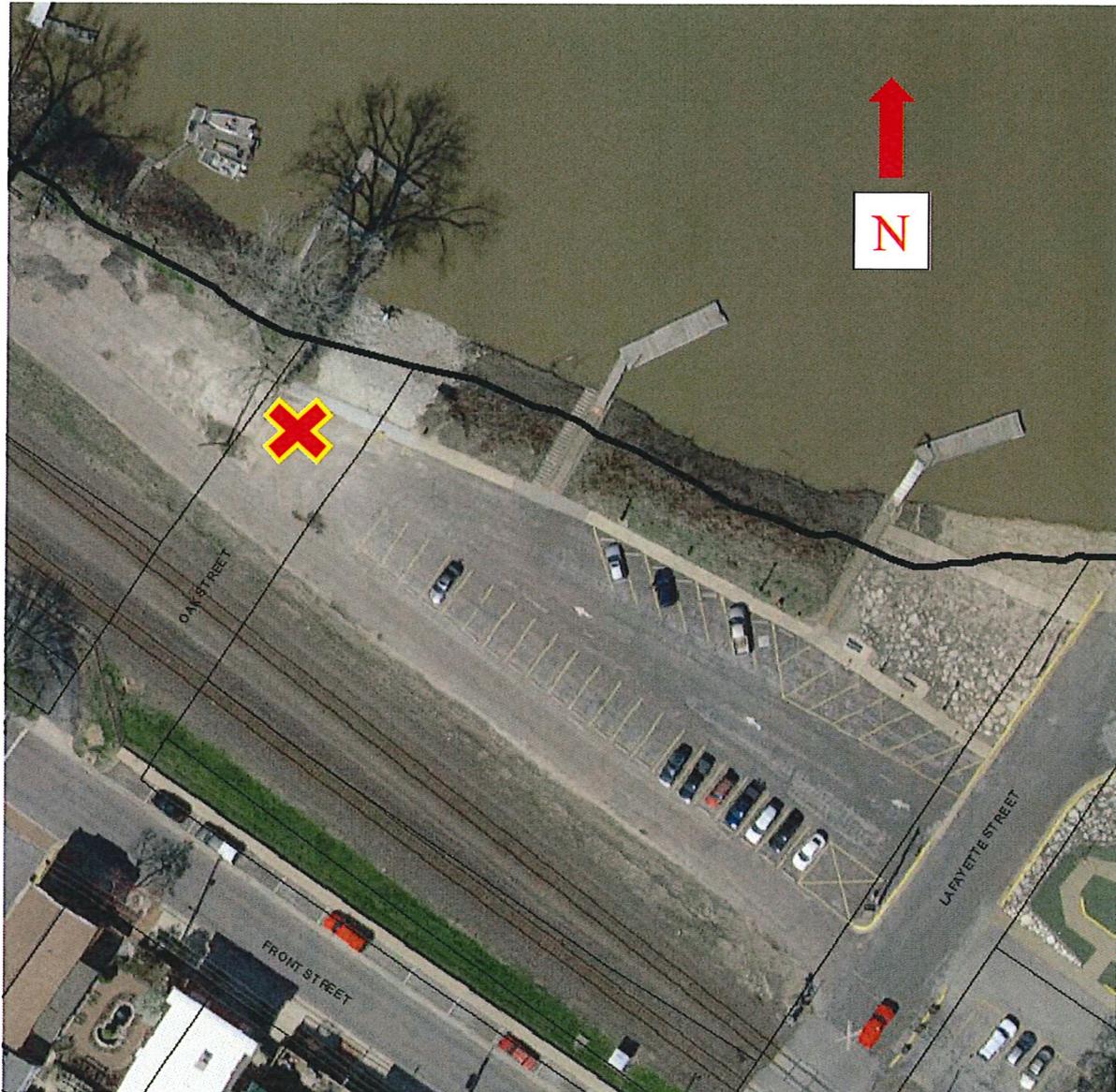
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Unnerstall Contracting Co., LLC

Stephen J. Unnerstall

Location Map



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405 JEFFERSON STREET
WASHINGTON, MO 63090