



WEST DES MOINES WATER WORKS BOARD OF TRUSTEES MEETING COMMUNICATION

ITEM:**DATE:** December 17, 2018

5. Consent Agenda
d. Motion

– Approving Water Supply Service Agreement for
King's Landing Plat 3

FINANCIAL IMPACT:

None

SUMMARY:

This is a routine action to provide water service to this project. The action is required by the Iowa Department of Natural Resources.

BACKGROUND:

This action involves accepting the Water Supply Service Agreement for King's Landing Plat 3. This document is part of the developer's application for an IDNR issued construction permit, and states the WDMWW will provide potable water to the development.

RECOMMENDED ACTION BY THE BOARD OF TRUSTEES:

To Accept the Water Supply Service Agreement for and Provide Potable Water to King's Landing Plat 3 in West Des Moines.

Prepared by:

A handwritten signature in dark ink, appearing to read 'William Mahoney', written over a horizontal line.

Approved for Content by:

A handwritten signature in dark ink, appearing to read 'J. Wilson', written over a horizontal line.



IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY ENGINEERING SECTION
CONSTRUCTION PERMIT APPLICATION
Water Supply Service Agreement

INSTRUCTIONS

This agreement must be executed for all projects where construction and water supply will be provided by different parties; i.e., a private subdivision connecting to a municipal system. This agreement must be executed by the parties who are owners at the time the permit is issued, regardless of whether title to the proposed construction project will be transferred after completion of the project.

This agreement is not necessary when a contract for water services already exists; i.e., service contracts between municipalities. However, the Department of Natural Resources must be informed in writing that the contractual agreement does exist.

PROJECT IDENTIFICATION: King's Landing Plat 3

APPLICANT

Owner: Kings Landing, LLC

Address: 2400 8th Street, Suite 24, Urbandale, IA 50322

Representative: Scott Temple

Telephone: 515-276-3456

E-mail address: scott@vistarei.com

ENGINEER

Firm: Civil Design Advantage, LLC

3405 SE Crossroads Drive, Suite G

Address: Grimes, Iowa 50111

Project Officer: Dean Roghair

Telephone: (515) 369-4400

E-mail address: DeanR@cda-eng.com

CERTIFICATION

I am the authorized representative of the **Applicant** identified above and state that all water distributed by this project shall be obtained by the system identified below.

Signature: 

Date: 12/6/18

Title: MEMBER

SYSTEM
SUPPLYING
WATER:

PWS Name: West Des Moines Water Works

Address: 4200 Mills Civic Parkway Suite 1D

City, State, Zip: West Des Moines, IA 50265

PWSID: IA7785007

AGREEMENT TO PROVIDE WATER

I am the authorized representative of the **Owner** of the water system identified above and state that the connection of the proposed water distribution system also identified above is approved by the owner, and that the owner accepts responsibility for providing potable water required by this project in accordance with the provisions of Chapter 455B, Code of Iowa, and the rules of the Department of Natural Resources. This agreement shall not be construed in any way to affect any local ordinances, water service agreements, or fee systems entered into between the parties.

Signature: 

Date: 12-12-2018

Title: General Manager

Typed or Printed Name: Diana Wilson

Phone: (515)-222-3510



IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY ENGINEERING SECTION
CONSTRUCTION PERMIT APPLICATION
SCHEDULE-1a, General Information

DNR Use Only	
Project #:	
Permit #:	
FO #:	

APPLICANT	ENGINEER
Name: <u>Kings Landing, LLC</u>	Firm: <u>Civil Design Advantage</u>
Address: <u>2400 86th Street, Suite 24</u>	Address: <u>3405 SE Crossroads Drive, Suite G</u>
City, State, Zip: <u>Urbandale, IA 50322</u>	City, State, Zip: <u>Grimes, Iowa 50111</u>
Representative: <u>Scott Temple</u>	Project Officer: <u>Dean Roghair</u>
Telephone: <u>515-276-3456</u>	Telephone: <u>(515) 369-4400</u>
Email: <u>scott@vistarei.com</u>	Email: <u>DeanR@cda-eng.com</u>

Mail Completed Application along with the Plans & Specifications to:

Iowa Department of Natural Resources
Attn: Water Supply Engineering Section
502 E 9th St
Des Moines IA 50319-0034

PLEASE RESPOND TO ALL QUESTIONS

1. PWS Name: West Des Moines Water Works PWSID Number: IA 7785007
2. Project Name/Description: King's Landing Plat 3
3. Estimated Completion Date: August 2019
4. Will this project be a part of a State Revolving Loan Fund project? YES ☐ NO ☒
5. Has an engineering report or information previously been submitted for this project? YES ☐ NO ☒
If Yes: Project Identity: _____
Date Submitted: _____
6. Does the project, as submitted, follow the recommendations and conclusions of the preliminary report? YES ☒ NO ☐
If No: provide the design basis and technical information justifying all changes.
7. Except for those projects submitted without an engineer in accordance with 567 IAC 43.3(4), are there two complete sets of plans and specifications accompanying this application? YES ☒ NO ☐
Plans and specifications or engineering report accompanying this application must contain an "Engineer's Certificate" executed in conformance with Code of Iowa 542B.16 and have an original hand-written signature and date in contrasting color ink. A color photocopy is not acceptable.
8. Does the project involve water withdrawal, storage of surface waters, or change in natural stream conditions? YES ☐ NO ☒
If Yes: Complete and attach, **Application for Permit to Withdraw Water (DNR Form 542-3106)**

CERTIFICATION

APPLICANT

I certify that I am the authorized representative of the owner and state that the project identified above is approved by the owner.

[Signature] Signature Scott Temple Typed or Printed Name 12/6/18 Date

ENGINEER

I certify that all aspects of design included in this application meet the requirements of all applicable state or federal laws and regulations, or that an explanation and justification for any proposed variation from such standards is attached, or that a variance has already been granted by the Iowa Department of Natural Resources.

[Signature] Signature 12/6/18 Date
Dean Roghair Typed or Printed Name 14229 Iowa PE Number



**IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY ENGINEERING SECTION
CONSTRUCTION PERMIT APPLICATION**

SCHEDULE-1a General Information

SCHEDULE	TITLE	Included in Project	Attached	Previously Submitted	Date Previously Submitted
1b	Minor Water Main Construction		<input type="checkbox"/>		
1c	Fee Calculation		<input checked="" type="checkbox"/>		
2a	Water Mains - General	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2b	Water Mains - Specifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2c	Notification of WM Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3a	Water Systems - Preliminary Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3b	Source Information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3c	Water Quality Data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Site Approval	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5a	Well Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5b	Well Appurtenances	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5c	Well Profile	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5d	Surface Water Supply	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6a	Distribution Water Storage Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6b	<i>Reserved</i>				
7	Schematic Flow Diagram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Aeration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Clarification/Sedimentation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Suspended Solids Contact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	Cation Exchange Softening	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	Filters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13a	Chemical Addition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13b	Dry Chemical Addition	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13c	Gas Chlorination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13d	Fluoridation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13e	Sampling and Testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	Pumping Station	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	Process Water Storage Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16a	Wastewater General	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16b	Waste Treatment Ponds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16c	Filtration and Mechanical	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16d	Discharge to Sewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Identify any components included in this project which are not included in the above list of schedules (i.e., Reverse Osmosis) and provide design data of these components on separate sheets.



IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY ENGINEERING SECTION
CONSTRUCTION PERMIT APPLICATION
SCHEDULE-1c, Fee Calculations

OFFICE USE ONLY
20-2004- \$ _____
0376-542-w100-0575

PWSID Number: IA 7785007

PWS Name: West Des Moines Water Works

Project Name/Description:

King's Landing Plat 3

Fee Paid By: Civil Design Advantage

Mail the fee, along with completed permit application schedules to:
Iowa Department of Natural Resources
Attn: Water Supply Engineering Section
502 E 9th St
Des Moines IA 50319-0034

WATER MAINS		Calculated Fee
Total length of water main: 638 Feet		
Fee: First 1,000 feet: \$100.00		
Next 19,000 feet: \$0.10/ft.		
Next 300,000 feet: \$0.01/ft.		
Over 320,000 feet: No additional charge		\$ 100.00
OTHER WATER SUPPLY RELATED CONSTRUCTION		
Estimated construction cost of non-water main related work: \$ _____		
Fee: First \$50,000: \$100.00		
Next \$950,000: 0.2% of estimated construction cost		
Next \$14,000,000: 0.1% of estimated construction cost		
Over \$15,000,000: No additional charge		\$ _____
REQUEST FOR TIME EXTENSION		
Extensions may only be requested within one year of the permit issuance date. If more than one year has elapsed and construction has not commenced, a new permit application is required; resubmittal of plans and specifications may not be necessary under certain conditions.		
Is this a request for a construction permit time extension, as per 567 IAC 43.3(3)"a"? <input type="checkbox"/> Yes <input type="checkbox"/> No		
If no, skip this section. If yes, Request for Time Extension Fee: \$50.00		\$ _____
AS-BUILT PROJECT		
Is this project being submitted as an As-Built Project? <input type="checkbox"/> Yes <input type="checkbox"/> No (If no, skip this section)		
If yes, also complete, "WATER MAINS" and "OTHER WS RELATED CONSTRUCTION" above		
If yes, Additional As-Built Construction Fee: \$200.00		\$ _____
CHANGE ORDERS and ADDENDUM		
Will this change order or addendum result in an increase of at least 5% of the original water main length or 5% of the non-water main related costs? <input type="checkbox"/> Yes <input type="checkbox"/> No (If no, skip this section)		
Additional length of water main: _____ Feet		
Additional non-water main related construction costs: \$ _____		
Fee: \$0.10 per foot for additional water main requested plus 0.2% of the estimated additional non-water main related construction costs (Minimum Fee = \$50.00)		
If yes, Change Orders and Addendum Fee:		\$ _____
AMOUNT PAID BY OWNER OF THE PUBLIC WATER SUPPLY, YEAR TO DATE		
Water Main Fees	Total Fees Paid: \$ _____	Maximum Annual Fee: \$ 5,000
Other WS Const. Fees	Total Fees Paid: \$ _____	Maximum Annual Fee: \$16,000
TOTAL FEE DUE		\$ 100.00



IOWA DEPARTMENT OF NATURAL RESOURCES
WATER SUPPLY ENGINEERING SECTION
CONSTRUCTION PERMIT APPLICATION
SCHEDULE-2a, Water Mains, General

Date Prepared <u>11/28/2018</u> Date Revised _____	Project Name/Description King's Landing Plat 3
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1. List the purpose of the project (e.g., expand service area, improve system pressures or flows):

Expand Service Area

2. Does the water system have adequate source, treatment, and storage capacity to serve the additional demand resulting from the proposed project? ☒ Yes ☐ No ☐ N/A

If No, explain: _____

3. Proposed Piping Inventory: (attach additional sheets if necessary)

Material (Designate Alternates)	AWWA or ASTM Standard	Pipe Class	Pipe Pressure Rating (psi)	Maximum System Pressure (psi)	Nominal Diameter (inches)	Length of Water Main (feet)
PVC	C900	DR18	150	125	8	638

4. Provide an aerial image or screenshot from Facility Explorer showing any leaking underground storage tank (LUST) sites within 500 feet of the proposed water main(s). Known LUST sites are shown at <https://facilityexplorer.iowadnr.gov/facilityexplorer>. Are there any LUST sites within 500 feet of the proposed water main? ☐ Yes ☒ No

If "Yes",

a. List the LUST sites within 500 feet: _____

b. List the LUST sites with plumes the proposed water main passes through: _____

Archived notification forms and plume maps may be obtained by contacting the DNR Records Center at 515-725- 8480. If a notification was not prepared for a LUST site, the Records Center will provide you with pertinent documentation.

NOTE: Where distribution systems are installed in areas where groundwater is contaminated by organic compounds, pipe and joint materials which do not allow permeation of the organic compounds must be used.

5. This project will result in a minimum pressure of 20 psi to develop in the system under all conditions of flow. (e.g., peak instantaneous demand, fire flow, and flushing flow). Source of pressure data West Des Moines Water Works
6. What is the minimum size of water main serving fire hydrant? 8 Inches ☐ N/A
7. What is the minimum size of fire hydrant lead? 6 Inches ☐ N/A
8. Are all hydrant leads valved? ☐ N/A ☒ Yes ☐ No
9. Minimum depth of cover from the springline of the pipe: 5.5 Feet
10. Does each water main deadend have a fire hydrant, flushing hydrant, or blow off for flushing purposes? ☐ N/A ☒ Yes ☐ No
11. Minimum horizontal (center to center) separation distance between water main and existing or future sanitary sewer _____ ft., storm sewer _____ ft.
12. Where water mains cross over sewers, the minimum vertical separation distance (edge to edge) is 18 inches.
Where water mains cross under sewers, the minimum vertical separation distance (edge to edge) is 18 inches.
13. Is there a history of corrosive problems with buried pipes in the project area? ☐ Yes ☒ No
If Yes, explain corrosion protection measures: _____
14. Are DNR-approved Standard Specifications being applied on this project? ☒ Yes ☐ No
If Yes, Approved Standard Specifications of (name of municipality or firm) SUDAS Standard Specifications - 2018 Edition
Date Approved: 2018

If No, Schedule 2b must also accompany this application.

NOTE: If the applicant for this Construction Permit is someone other than the supplier of water (the water utility), a properly executed **Water Supply Service Agreement (DNR Form 542-3121)** must accompany this application.

NOTE: If this is a joint Water -Wastewater project, a construction permit application should be submitted separately to the Wastewater Engineering Section of the Iowa Department of Natural Resources.

Location Map

