

CITY OF

# WASILLA

• ALASKA •

Council Action:	
Approved: <input checked="" type="checkbox"/>	Denied: <input type="checkbox"/>
Date of Action: 6/11/18	
Verified by: <i>[Signature]</i>	

## CITY COUNCIL ACTION MEMORANDUM

**AM No. 18-16: Contract Award to Big Dipper Construction in the amount of \$515,000 for Wastewater Treatment Plant Outfall Improvements.**

Originator: Public Works Director

Date: May 25, 2018

Agenda of: June 11, 2018

Route to:	Department Head	Signature	Date
X	Public Works Director	<i>[Signature]</i>	5/25/18
X	Finance Director	<i>[Signature]</i>	5-29-18
X	Deputy Administrator	<i>[Signature]</i>	5/30/18
X	City Clerk	<i>[Signature]</i>	5/31/18

Reviewed by Mayor Bert L. Cottle: *[Signature]* 5/31/2018

**Fiscal Impact:**  yes \$515,000

**Funds Available:**  yes

**Account name/number:** Treatment Plant Imp-State/310-4359-435.45-29

**Attachments:** Project Diagrams (3 pages)

**Summary Statement:** This project includes the installation of approximately 2,600 lineal feet of 8-inch diameter HDPE pipe, trail and road construction, and fencing associated with a treated effluent discharge pilot study at the Wasilla Wastewater Treatment Plant. The project was advertised through Invitation to Bid No. 0426-0-2018/AG with the following results:

Big Dipper Construction	\$515,000
B.C. Excavating	\$821,550
Tutka, LLC	\$890,000
JTA Construction	\$1,093,000

The City's wastewater treatment plant currently uses a series of drainfields to discharge treated wastewater into the ground and water table. The pilot study will test the ability of the City's adjacent wetland parcel to receive treated effluent as an alternative discharge method from using the drianfields. If successful, the wetland will provide a reliable long-term area for discharging treated effluent into the environment.

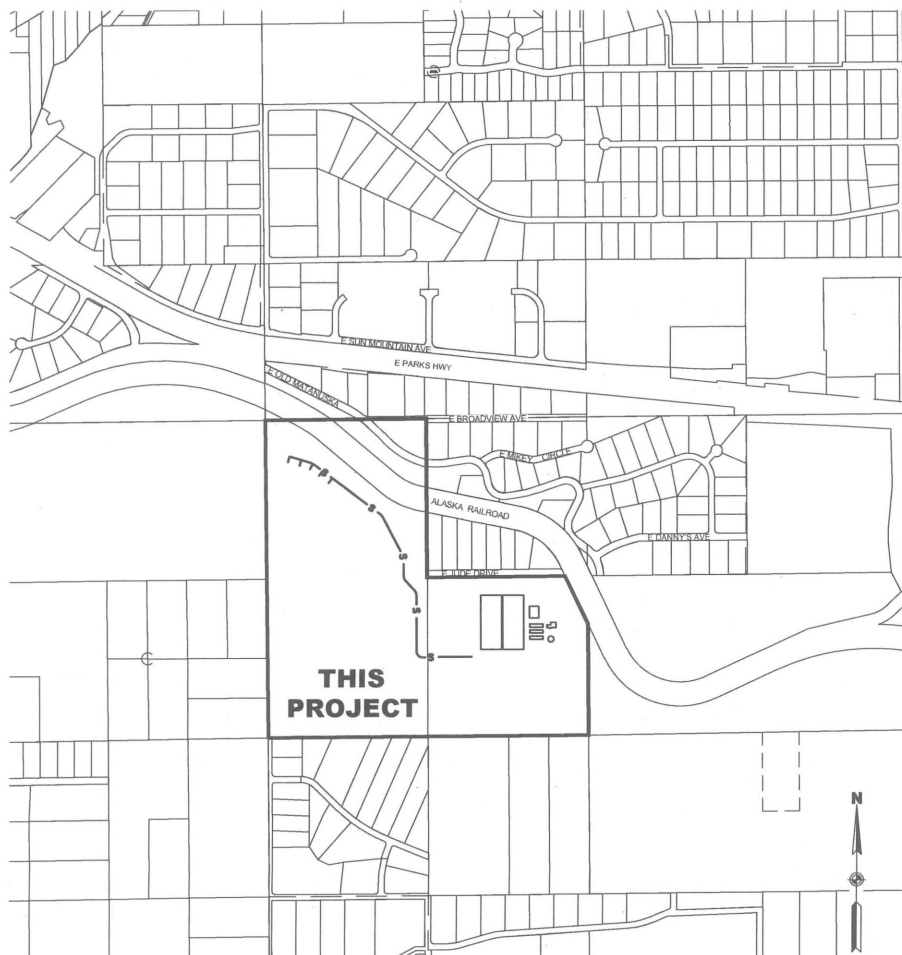
**Staff Recommendation:** Adopt AM No.18-16.

City of Wasilla

# TREATED EFFLUENT DISCHARGE PILOT STUDY



Stantec Consulting Services Inc.  
 725 East Fireweed Lane Suite 200  
 Anchorage AK  
 99503-2245  
 Tel: (907) 278-4245  
 Fax: (907) 258-4653  
 www.stantec.com

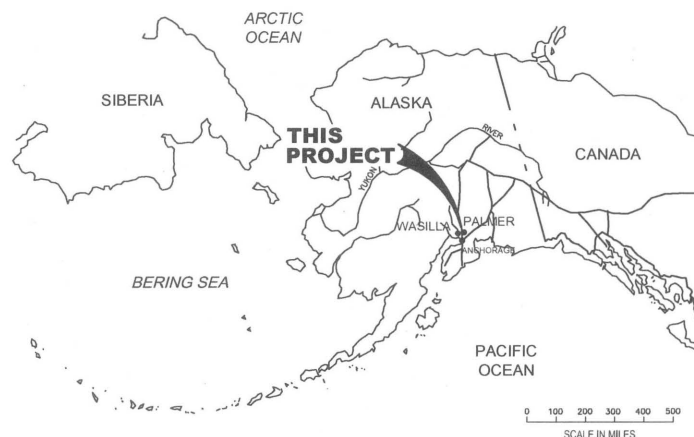


**VICINITY MAP - WASILLA, ALASKA**

SCALE: 1"=500'

## SHEET INDEX

SHEET NUMBER	SHEET TITLE
1	COVER
2	LEGEND, ABBREVIATIONS & GENERAL NOTES
3	SURVEY CONTROL
4	HYDRAULIC PROFILE
5	PROJECT LAYOUT
6	PLAN & PROFILE - STA 100+00 TO STA 108+00
7	PLAN & PROFILE - STA 108+00 TO STA 116+00
8	PLAN & PROFILE - STA 116+00 TO STA 124+00
9	PLAN & PROFILE - STA 124+00 TO STA 131+00
10	PLAN & PROFILE - STA 200+00 TO STA 201+58
11	PLAN & PROFILE - STA 00+00 TO 09+00
12	DETAILS
13	DETAILS - VAULT MODIFICATIONS
14	DETAILS - SEWER MANHOLE & CLEANOUT
15	DETAILS
16	DETAILS - FENCE
17	DETAILS - SIGNS



**LOCATION MAP - WASILLA, ALASKA**









SCALE: N/A

FILE: U:\204700415\DRAWING\CS\SHETS\204700415\_10-1-COVER-TITLE.DWG PLOTTED: Apr 20, 2018 - 3:46:58 PM (Award Job)

APRIL 2018  
 STANTEC W.O.  
 204700415



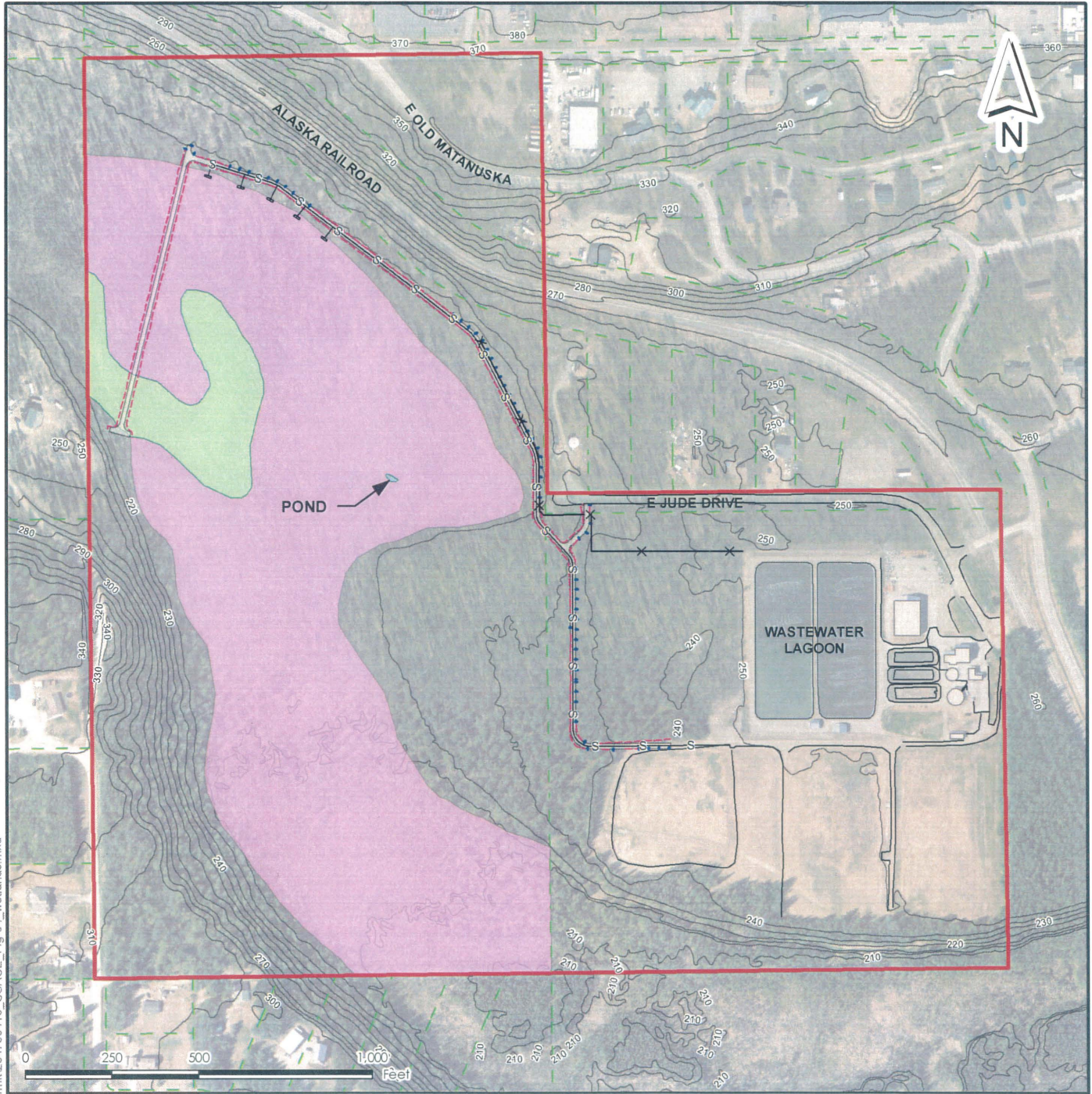
**LEGEND**

-  STUDY AREA
-  PROPOSED ACCESS ROAD
-  PARCEL BOUNDARY
-  PROPOSED FENCE
-  PROPOSED SEWER LINE
-  FILL
-  CUT
-  10 FT CONTOURS


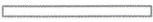








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**PROPOSED OVERVIEW**

Project: Wasilla Wastewater Treatment Plant, Effluent Discharge Project  
 Application by: City of Wasilla  
 File No. POA-2016-140  
 Location: Wasilla, Alaska  
 Sections: 13, T17N, R1W  
 Seward Meridian  
 Lat: 61.5634°N, Long: -149.3745°W  
 USGS Location: Anchorage (C-7), AK  
 Water Body: Cottonwood Creek  
 DATE: April 2018      SHEET 2 OF 7



**LEGEND**

- |   |                      |   |                     |
|---|----------------------|---|---------------------|
|  | STUDY AREA           |  | 10 FT CONTOURS      |
|  | PROPOSED ACCESS ROAD |  | FORESTED WETLAND    |
|  | PARCEL BOUNDARY      |  | SCRUB-SHRUB WETLAND |
|  | PROPOSED FENCE       |  | POND                |
|  | PROPOSED SEWER LINE  |   |                     |
|  | FILL                 |   |                     |
|  | CUT                  |   |                     |

Graphics developed by Stantec Consulting Services, Inc.

**WETLANDS**

Project: Wasilla Wastewater Treatment Plant, Effluent Discharge Project  
 Application by: City of Wasilla  
 File No. POA-2016-140  
 Location: Wasilla, Alaska  
 Sections: 13, T17N, R1W  
 Seward Meridian  
 Lat: 61.5634°N, Long: -149.3745°W  
 USGS Location: Anchorage (C-7), AK  
 Water Body: Cottonwood Creek  
 DATE: April 2018      SHEET 4 OF 7