

MEETING NOTICE AND AGENDA

Sand Springs Municipal Authority
December 12, 2016 – Following City Council
Sand Springs Municipal Building
100 East Broadway – Room 203
Sand Springs, Oklahoma 74063
www.sandspringsok.org

1. **Call to Order** Time _____

2. **Roll Call**

Ward 1- Nollan _____

Ward 2-Dixon _____

Ward 3-Burdge _____

Ward 4-Fothergill _____

Ward 5-Wilson _____

Ward 6-Jackson _____

At Large – Spoon _____

3. **Consent Agenda (A-G)**

All matters listed under “Consent” are considered by the Trustees to be routine and will be enacted by one motion. Any Trustee may, however, remove an item from the Consent Agenda by request.

A) Approval of the minutes of the November 14, 2016, regular Municipal Authority meeting. (City Clerk)

B) Approval of the monthly Transfers of Funds. (Finance)

C) Authorization for staff to surplus and sell unused AMR equipment, as well as any other unused AMR-related equipment in the future. (Finance)

D) Approval of the amendment to the By-Laws and procedural Rules of the Sand Springs Municipal Authority-Sapulpa Municipal Authority Skiatook Raw Water Conveyance System (SRWCS) Joint Board, said amendment will modify the spending authority of the (SRWCS) management committee to the amount of spending authority delegated to management of each respective Trust pursuant to spending policies adopted by each organization, intending that the managers shall have the same spending authority on behalf of the SRWCS as they would have for other municipal operations; and will modify meeting dates of the “committee”, intending that their meetings shall be held as needed. (Public Works)

E) Acceptance of the Shell Lake Dam Breach Plan, Revision-11, and authorization for the Chairman to sign said document. (Public Works)

F) Approval of Change Order No. 7 to the Agreement with Walters-Morgan Construction, Inc. for an increase in the amount of \$43,737.27 and an increase in the contract time of 18 calendar days as relates to the Waste Water Treatment Plant Improvements project – Bid No. 1012. (Public Works)

G) Approval of Change Order No. 8 to the Agreement with Walters-Morgan Construction, Inc. for an increase in the amount of \$39,359.90 and an increase in the contract time of seven (7) calendar days as relates to the Waste Water Treatment Plant Improvements project – Bid No. 1012. (Public Works)

Motion _____ Second _____

4. **Correspondence**

The following correspondence is provided to Trustees for their review and information:

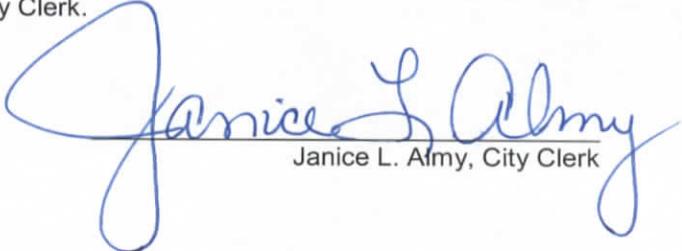
A) Regular monthly bills (Finance)

5. **City Manager's and Trustees' Report**

The City Manager and/or Trustees will provide updates regarding recent and upcoming events and projects, scheduled events of interest, and the general operations of the Municipal Authority. No action is to be taken. (Administration)

6. **Adjournment** Time _____

This agenda was filed in the office of the City Clerk and posted at 10:00 a.m. on December 8, 2016, on the digital display board located in the lobby of the Sand Springs Municipal Building, 100 East Broadway, Sand Springs, Oklahoma 74063, by Janice L. Almy, City Clerk.


Janice L. Almy, City Clerk

MINUTES

**Sand Springs Municipal Authority
November 14, 2016
Room #203 Following City Council
Sand Springs Municipal Building
100 East Broadway
Sand Springs, Oklahoma 74063**

MEMBERS PRESENT: Chairman Mike Burdge (7-0)
Vice Chairman John Fothergill (7-0)
Trustee Phil Nollan (6-1)
Trustee Patty Dixon (7-0)
Trustee Beau Wilson (7-0)
Trustee Brian Jackson (7-0)
Trustee Jim Spoon (7-0)

ALSO PRESENT: City Manager Elizabeth Gray
Assistant City Manager Daniel Bradley
Authority Attorney David Weatherford
City Clerk Janice L. Almy

MEMBERS ABSENT: None

The Sand Springs Municipal Authority met in regular session on November 14, 2016, in Room No. 203 of the Sand Springs Municipal Building pursuant to the agenda filed with the City Clerk's office and posted at 3:00 p.m. on November 10, 2016, on the electronic display board located in the first floor lobby of the Sand Springs Municipal Building, 100 East Broadway, Sand Springs, Oklahoma 74063.

1. Call to Order

Chairman Burdge called the meeting to order at the noted time of 7:47 p.m.

2. Roll Call

Chairman Burdge called for an individual roll call with members replying in the following manner:

Trustee Jackson, here; Trustee Dixon, here; Trustee Spoon, here; Vice Chairman Fothergill, here; Chairman Burdge, here; Trustee Wilson, here; Trustee Nollan, here.

3. Consent Agenda (A-B)

Chairman Burdge informed Trustees that all matters listed under Consent Agenda to be considered by Trustees are to be routine and will be enacted by one motion.

Chairman Burdge noted that questions or clarification on any Consent Agenda item may be addressed prior to taking action. Chairman Burdge requested if Trustees had questions or needed clarification on any Consent Agenda item.

There being none, Chairman Burdge noted any Trustee may remove an item from the Consent Agenda by request. Chairman Burdge requested if Trustees had items to be removed from the Consent Agenda.

There being none, Chairman Burdge called for a motion regarding Consent Agenda Items 3A through 3B.

A motion was made by Vice Chairman Fothergill and seconded by Trustee Wilson to approve the Consent Agenda Items 3A through 3B.

- A) Revised minutes of October 24, 2016, regular Municipal Authority meeting.
- B) The monthly Transfers of Funds.

Chairman Burdge called for the vote recorded as follows:

Trustee Nollan, aye; Trustee Wilson, aye; Chairman Burdge, aye; Vice Chairman Fothergill, aye; Trustee Spoon, aye; Trustee Dixon, aye; Trustee Jackson, aye.

The motion carried 7-0-0.

4. Correspondence

The following correspondence was provided to Trustees for their review and information:

- A) Regular monthly bills.

5. City Manager's and Trustees' Report

There was nothing further to report at this time.

6. Adjournment

The meeting adjourned at the noted time of 7:48 p.m.

Janice L. Almy, Secretary

**SAND SPRINGS MUNICIPAL AUTHORITY
MONTHLY TRANSFERS
December, 2016**

	ANNUAL BUDGET		MONTH TRANSFER	YEAR TO DATE
	<u>FROM</u>	<u>TO</u>		
TRANSFERS PER BOND INDENTURE				
FROM: Mun Auth Water Utility Fund	\$	-	\$	-
FROM: Mun Auth Wastewater Utility Fund	\$	-	\$	-
TRANSFERS PER TRUSTEE ACTION				
FROM: Mun Auth Water Utility Fund	\$	4,615,195	\$	392,872 \$ 2,312,506
TO: Cap Impr W&WW Fund (sales tax)		3,085,195	265,372	1,547,504
Mun Auth Golf Course Fund		250,000	20,833	125,000
Capital Improvement Fund		30,000	2,500	15,000
Mun Auth Airport Fund		50,000	4,167	25,000
General Fund		980,000	81,667	490,000
Water Meter Replacement Fund		200,000	16,667	100,002
Airport Construction Fund		20,000	1,667	10,000
FROM: Mun Auth Solid Waste Utility Fund	\$	700,000	\$	58,333 \$ 350,000
General Fund		700,000	58,333	350,000
FROM: Mun Auth Stormwater Utility Fund	\$	1,000,000	\$	83,333 \$ 500,000
TO: Stormwater Capital Impr Fund		1,000,000	83,333	500,000
FROM: Mun Auth Golf Course Fund	\$	25,500	\$	2,000 \$ 13,500
TO: Golf Course Capital Improvement Fund		25,500	2,000	13,500



**CITY OF SAND SPRINGS
COUNCIL/AUTHORITY STAFF REPORT**

MEETING DATE: December 12, 2016

SUBJECT:

AUTHORIZATION TO SURPLUS AND SELL AMR EQUIPMENT

BACKGROUND AND HISTORY:

On September 12, 2016, Trustees approved a warranty settlement with ITRON which allowed staff to replace all then-current endpoints with new upgraded endpoints. As a result, staff no longer had use for approximately 311 unused endpoints we had recently received prior to warranty settlement. Staff would like to surplus these endpoints and sell them to the City of Stillwater for \$115 each, totaling approximately \$35,765. Furthermore, as we continue the process of changing out old equipment for new, staff would like to obtain authorization to surplus and either dispose of or sell additional outdated equipment at a future date if the opportunity arises.

BUGETARY IMPACT:

The City will receive an estimated \$35,765 in sales proceeds which will be placed back in the MA Water Meter Replacement fund balance to offset the cost associated with the warranty settlement change-out.

STAFF RECOMMENDATION:

Authorization for staff to surplus and sell unused AMR equipment as well as any other unused AMR related equipment in the future.

COMPILED BY: Kelly Lamberson
Finance Director

APPROVED BY: Elizabeth A. Gray
City Manager

ATTACHMENTS:



Agenda Item # _____
Consent/Regular

**CITY OF SAND SPRINGS
COUNCIL/AUTHORITY STAFF REPORT**

MEETING DATE: December 12, 2016

SUBJECT:

SKIATOOK RAW WATER CONVEYANCE SYSTEM (SRWCS) – AMENDMENT TO BY LAWS AND PROCEDURAL RULES OF THE SAND SPRINGS/SAPULPA MUNICIPAL AUTHORITIES JOINT BOARD

STAFF RECOMMENDATION:

Approval of the Amendment To By Laws and Procedural Rules of the Sand Springs Municipal Authority-Sapulpa Municipal Authority Skiatook Raw Water Conveyance System (SRWCS) Joint Board, and authorization for the Municipal Authority Chairman to sign the document. The Amendment will modify the spending authority of the (SRWCS) management committee to the amount of spending authority delegated to management of each respective trust pursuant to spending policies adopted by each organization, intending that the managers shall have the same spending authority on behalf of the (SRWCS) as they would have for other municipal operations; and modify meeting dates of the “committee”, intending that their meetings shall be held as needed. The Joint Board recommended approval of the Amendment at their October 18, 2016 Regular Meeting; and the Sapulpa Municipal Authority approved the Amendment on November 7, 2016.

BACKGROUND AND HISTORY:

The Interlocal Cooperation Agreement between the Sand Springs Municipal Authority and the Sapulpa Municipal Authority was approved in 1986 and created a Joint Board to manage the construction, operation and maintenance of the jointly owned (SRWCS) facilities. The Joint Board and Municipal Authorities agreed to the establishment of a (SRWCS) Management Committee consisting of the City Manager and City Engineer, or their designees, to direct and oversee the operation and maintenance of the joint facilities. The “Committee” was authorized to expend sums not to exceed \$2,000.00 without prior approval of the Joint Board, and meet monthly by the Agreement Modifying the By Laws and Procedural Rules approved in 1993.

BUDGETARY IMPACT:

No Impact.

Funds for operation and maintenance of the jointly owned (SRWCS) are budgeted in the FY17 Budget.

COMPILED BY: Frank Weigle, Public Works, Division Supervisor

PRESENTED BY: Derek Campbell, Public Works Director, City Engineer

ATTACHMENT(S):

Amendment to By Laws and Procedural Rules of the Sand Springs Municipal Authority-Sapulpa Municipal Authority Joint Board (2016)

Agreement modifying By Laws and Procedural Rules of Sand Springs Municipal Authority-Sapulpa Municipal Authority Joint Board (1993)

**AMENDMENT TO BY LAWS AND PROCEDURAL RULES OF
THE SAND SPRINGS MUNICIPAL AUTHORITY – SAPULPA MUNICIPAL
AUTHORITY JOINT BOARD**

WHEREAS, the Sand Springs Municipal Authority and the Sapulpa Municipal Authority are the parties to an Interlocal Cooperation Agreement dated December, 1986, concerning the joint operation of a raw water line from Skiatook Lake to Sapulpa;

WHEREAS, the Interlocal Agreement provides for the creation of a joint board concerning the operations of the water system;

WHEREAS, the joint board has adopted By-Laws concerning the operations of the governing board, and amendment to certain provisions of the by-laws is necessary at this time.

THEREFORE, the By-Laws of the Sand Springs Municipal Authority and the Sapulpa Municipal Authority Joint Board are modified as follows:

1. The spending authority of the management committee is modified to reflect that the spending limit shall be limited to the amount of spending authority delegated to management of each respective trust pursuant to spending policies adopted by each organization, it being the intent of this amendment that the managers shall have the same spending authority on behalf of this project as they would have for other municipal operations.
2. The meeting dates for the "committee" are modified to reflect that meetings of the committee shall be held as needed.

Reviewed and approved by the Sand Springs Municipal Authority this ____ day of _____, 2016.

SAND SPRINGS MUNICIPAL
AUTHORITY

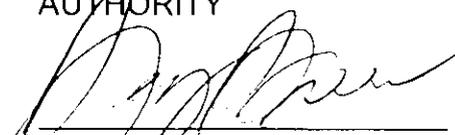
Mike Burdge, Chairman

ATTEST:

Janice Almy, Clerk

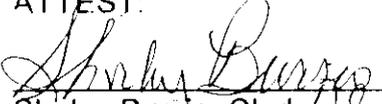
Reviewed and approved by the Sapulpa Municipal Authority this 7th day
of Nov, 2016.

SAPULPA MUNICIPAL
AUTHORITY



Reg Green, Chairman

ATTEST:



Shirley Burzio, Clerk/Secretary
11.7.2016

AGREEMENT MODIFYING
BY LAWS AND PROCEDURAL RULES OF SAND SPRINGS MUNICIPAL
AUTHORITY-SAPULPA MUNICIPAL AUTHORITY JOINT BOARD

WHEREAS, by virtue of Interlocal Cooperation Agreement between the Sand Springs Municipal Authority and the Sapulpa Municipal Authority, said authorities hereinafter referred to collectively as "municipal authorities", dated the 15th day of December, 1986, as approved by the Attorney General of the State of Oklahoma and the Executive Director of the Oklahoma Water Resources Board, a Joint Board was created to manage the construction, operation and maintenance of the joint facilities therein provided for and to discharge such duties, functions and responsibilities as required of said Joint Board pursuant to Section 7 of the aforesaid Interlocal Cooperation Agreement as well as state and federal laws pertaining thereto, and

WHEREAS, in order to facilitate the orderly conduct of the aforesaid business of said Joint Board bylaws and procedural rules were adopted to govern and guide said Joint Boards actions and proceedings, and

WHEREAS, the parties desire to modify the provisions of the above referenced By Laws and Procedural Rules.

NOW, THEREFORE IN CONSIDERATION OF THE MUTUAL COVENANTS AND AGREEMENTS HEREINAFTER SETFORTH, THE JOINT BOARD AND MUNICIPAL AUTHORITIES AGREE AS FOLLOWS:

1. That Section Four - Meetings of the Joint Board, beginning at Page Three (3), Subsection (B), of the above referenced Bylaws and Procedural Rules shall be modified in respect to the times held as setforth herein, to-wit:

"The Joint Board shall hold at least one regular meeting every quarter at such times as may be designated on the Annual Posting of Meeting filed in the office of the Secretary of each respective municipal authority."

2. That Section Seven - Management of Facilities of the above referenced Bylaws and Procedural Rules shall be added for the establishment of a management committee as provided for in Section 7 of the Interlocal Cooperation Agreement, as setforth herein, to-wit:

"Section Seven

Management of Facilities

In accordance with the provisions of the Interlocal Cooperation Agreement, a management committee is hereby created to manage the operation and maintenance of the joint facilities herein provided for, or as may be subsequently provided for under the terms hereof. Such board shall be comprised of four (4) members including the City Manager and City Engineer, or their designees, of the SSMA and the SMA.

A) Responsibilities - Such Committee shall be responsible for the following, to-wit:

1. directing and overseeing the operation and maintenance of the joint facilities;

2. maintaining or causing to be maintained a complete set of records, statements, and accounts concerning the operation and maintenance of the joint facilities, in which records, statements and accounts there shall be entered, fully and accurately, each transaction pertaining to the operation and maintenance of the joint facilities;

3. reporting to the Joint Board as pertains to the joint facilities operation and maintenance;

4. contracting with and employing in the name of SSMA and SMA such servants, agents and independent contractors as deemed necessary to implement and carry out the tasks herein imposed, subject however, to the approval of the Joint Board and governing bodies of SSMA and SMA. Provided, however, consistent with the provisions of Section 7.E. of the Interlocal Cooperation Agreement, the Committee, or authorized agent(s) thereof, shall be authorized to expend sums not to exceed Two Thousand Dollars (\$2,000.00) without prior approval of the Joint Board; and

5. reviewing and recommending approval for payment to the municipal authorities monthly billings for operations and maintenance management services rendered.

 B) Meeting Times - The management committee herein established shall hold at least one regular meeting each

month at such times as may be designated on the Annual Posting of Meeting filed in the office of the Secretary of each respective municipal authority."

3. That all other provisions of the above referenced By Laws and Procedural Rules not specifically modified herein shall remain in full force and effect.

IN WITNESS WHEREOF THE PARTIES SETFORTH BELOW HAVE ON THE DATES INDICATED ESTABLISHED THEIR APPROVAL HEREOF.

APPROVED THIS 17th day of February, 1993.

JOINT BOARD

A. Lyle Crowder
Member - Sand Springs Municipal Authority

E. Bruce Judd
Member - Sand Springs Municipal Authority

Jamarkita, DC
Member - Sapulpa Municipal Authority

Howard Bawn
Member - Sapulpa Municipal Authority

ATTEST:

Mary Sue O'Quinn
Secretary - Sand Springs Municipal Authority

Shirley Burgess
Secretary - Sapulpa Municipal Authority

APPROVED THIS 8th day of March, 1993.

SAND SPRINGS MUNICIPAL AUTHORITY

ATTEST:

A. Lyle Crowder
Chairman

Mary Sue O'Quinn
Secretary

APPROVED THIS 15th day of March, 1993.

SAPULPA MUNICIPAL AUTHORITY

ATTEST:

Jamarkita, DC
Chairman

Shirley Burgess
Secretary



Agenda Item # _____
Consent/~~Regular~~

**CITY OF SAND SPRINGS
COUNCIL/AUTHORITY STAFF REPORT**

MEETING DATE: December 12, 2016

SUBJECT:

SHELL LAKE DAM BREACH PLAN (OWRB EMERGENCY ACTION PLAN)

STAFF RECOMMENDATION:

That Trustees consider acceptance of the Shell Lake Dam Breach Plan, Revision -11-, and authorize the Municipal Authority Chairman to sign the Document.

BACKGROUND AND HISTORY:

Shell Lake Dam, constructed between 1920 and 1922 by Charles Page, is a concrete buttress and slab structure with an attached uncontrolled concrete spillway for high water overflow control.

Dams in Oklahoma are under the control of the Oklahoma Water Resources Board (OWRB) for classification, inspections, and ongoing operation and maintenance activities. A natural event causing overtopping or a failure breach of the Dam Structure could cause loss of property and/or life downstream to the Arkansas River and further resulting in an OWRB structure classification of "High Hazard". The "High Hazard" classification requires an Annual Inspection and signed and sealed report by a qualified Dam Structure Inspection Engineer, and a signed Breach Plan (OWRB Emergency Action Plan) to be submitted through the Public Works Department by December 31.

The Shell Lake Dam Breach Plan requires signatures of the Municipal Authority Chairman, City Manager, and the City Emergency Management Director; and is revised annually by the Emergency Management Director and Public Works Department for submission with the signed and sealed Professional Engineer's Inspection Report.

The revised Breach Plan was reviewed with the Public Works Advisory Committee at their December 6, 2016 meeting.

BUDGETARY IMPACT:

None

COMPILED BY: Frank Weigle, Public Works – Division Supervisor

PRESENTED BY: Frank Weigle, Public Works – Division Supervisor
Gregory Fisher, Emergency Management Director

ATTACHMENT(S):

City of Sand Springs Municipal Authority Shell Lake Dam Breach Plan Revision -11-.



**City of Sand Springs
Municipal Authority**

**City of Sand Springs
Municipal Authority**

SHELL LAKE DAM BREACH PLAN

Mike Burdge
Chairman

Elizabeth A. Gray
City Manager

Gregory Fisher
Emergency Management Director

Department of Emergency Management

Revision -11 - December 12, 2016

SHELL LAKE DAM BREACH PLAN

The Shell Lake Dam Breach Plan contained herein is a public document subject to public viewing as required by the Oklahoma Open Records Act. Only the originating agency, the City of Sand Springs, Department of Emergency Management, is authorized to display this document, requests for duplication should be directed to:

*The City of Sand Springs
Department of Emergency Management
P.O. Box 338
Sand Springs, Oklahoma 74063-0338*

INTRODUCTION

The Shell Lake Dam Breach Plan has been approved by the: Osage County Department of Emergency Management, Tulsa Area Emergency Management Agency and the City of Sand Springs Department of Emergency Management. The plan sets forth the organizational structure and broad operational guidelines to provide a procedure for an integrated emergency management approach in the event of a dam breach at Shell Lake Dam. What the plan does not do is provide for department and agency Standard Operating Procedures, a responsibility of each agency and department, nor does the plan usurp the authority of any agency head, department head, or chief. The essence of the plan is for each jurisdiction to direct the response of their agencies and departments in an integrated approach to accomplishing the task at hand.



DISTRIBUTION PAGE

Copies of this Dam Breach plan have been distributed as follows:

TO:	NO. OF COPIES
Mayor, City of Sand Springs	1
City Manager, City of Sand Springs	1
Director, Sand Springs Emergency Management	1
Sand Springs Police Chief	1
Sand Springs Fire Chief	1
Director, Sand Springs Public Works	1
Shell Lake Caretaker	1
Oklahoma Department of Emergency Management	1
Director, Tulsa Area Emergency Management	1
Tulsa County Sheriff	1
Director, Osage County Emergency Management	1
Chairman, Tulsa Chapter of the American Red Cross	1
Osage County Sheriff	1
Oklahoma Department of Transportation (ODOT)	1
Oklahoma Water Resources Board (OWRB)	1

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BASIC PLAN

I. PURPOSE

A. The Shell Lake Dam Breach Plan sets forth procedures for:

1. The timely discovery of an impending overtopping or breach of Shell Lake Dam,
2. The notification of the inhabitants downstream,
3. Conducting an orderly evacuation of inhabitants downstream of the dam that would be inundated in the event of a dam breach,
4. Preventing access, by non-emergency personnel, to areas downstream of the dam that are subject to flooding in the event of an impending dam breach or actual dam breach,
5. Search and rescue efforts for those inhabitants that can not or do not evacuate in time,
6. Identification and shelter location of those persons evacuated, and
7. Downstream hazards.

II. ASSUMPTIONS

A. The possibility of Shell Lake Dam breaching is extremely remote and highly unlikely; however, the possibility does exist. A dam breach would cause the rapid release of a large volume of water in a short period of time constituting a major hazard to life, general health, and property in the downstream reach. A successful warning and evacuation is significantly increased by the timely discovery of an impending breach. However, should a catastrophic event such as a dam breach, without warning, hydrology studies predict that the flood wave, as the result of a breach, will traverse the downstream reach area, from the dam to the Arkansas River in approximately seven minutes.

III. SITUATION

A. Location

1. Shell Lake Dam is located approximately five miles northwest of City Hall, within the city limits of Sand Springs and the boundaries of Osage County. More specifically at latitude 36 degrees 9 minutes north, longitude 96 degrees 8 minutes west.

B. Accessibility

Shell Lake is accessible from the:

1. Southeast via Sand Springs Expressway and 129th West Avenue, exit 129th West Avenue, to north service road of expressway, west to Willow Street, north of New Airport Road, north to Shell Creek Road, west to Shell Lake Dam.
2. Southwest via Sand Springs Expressway and 177th West Avenue, exit 177th West Avenue, north to Shell Creek Road, East to Shell Lake Dam.
3. Northeast via State Highway 97 and the John Zink Ranch, north on State Highway 97 to Shell Creek Road, west to Shell Lake Dam.
4. Northwest via Old Prue Road and Shell Creek Road, east to 177th West Avenue, south to Shell Creek Road, east to Shell Lake Dam.

C. Dam and Reservoir

1. The Shell Lake Dam is a concrete buttress structure approximately 760 feet long topped by a 15-foot wide reinforced concrete roadway, Shell Creek Road, which traverses the entire length of the dam.
2. Lake capacity is 9,500 acre-feet at 725' @ MSL, top of the spillway, and 12,700 acre-feet at 732' @ MSL, top of the dam.
3. Reservoir surface is 640 acres at the top of the spillway and 708 acres at the top of the dam.

D. Downstream Reach

1. In the event of a dam breach the flood wave will follow the Shell Lake Valley downstream of Shell Lake Dam to the confluence with the Arkansas River.
2. Distance from dam to confluence is 2.5 miles.
3. Time from dam to confluence is 7 minutes.

E. Jurisdictional Boundaries

1. The following roads, structures, and natural features are within the following jurisdictional boundaries:
 - a. City of Sand Springs
 - (1) Shell Dam
 - (2) Shell Creek Road where it traverses the dam
 - (3) Arkansas River/State Highway 97 Bridge
 - b. Osage County
 - (1) Shell Dam
 - (2) Shell Creek Road
 - (3) Anderson Road
 - (4) Circle Drive
 - (5) Oak Drive
 - (6) Shell Creek from Shell Dam to the south end of Oak Drive
 - (7) The majority of the inhabited structures that lie within the path of inundation are within Osage County,
 - c. Tulsa County
 - (1) 161st West Ave.
 - (2) US 64/Sand Springs Expressway Bridge
 - (3) Wekiwa Road
 - (4) Arkansas River
 - (5) There are a few structures that lie within the inundation path that are within the boundaries of Tulsa County, however, at the time of this plan, none were occupied.
 - d. State of Oklahoma
 - (1) U.S High 64 Bridge at 161st West Ave.
 - (2) State Highway 97 and Arkansas River Bridge
 - (3) State Highway 75 and Arkansas River Bridge
 - e. City of Tulsa
 - (1) 21st Street and Arkansas River Bridge
 - (2) Low Water Dam at 2900 Riverside Drive

IV. DIRECTION AND CONTROL

The downstream-inhabited structures lie within the boundaries of Osage County and outside any corporate city limits. Therefore, the senior ranking Osage County First Responder or Osage County official shall assume command of any evacuation process for citizens within their jurisdiction. However, if necessary Sand Springs First Responders shall commence the evacuation process prior to the arrival of Osage County officials.

A. Responsible Government Agencies and Private Utilities

1. Osage County
 - a. Osage County Emergency Management
 - b. Osage County Sheriff's Department
2. City of Sand Springs
 - a. Emergency Management
 - b. Fire
 - c. Police
 - d. Public Works
3. Tulsa County
 - a. Tulsa Area Emergency Management Agency
 - b. Tulsa County Sheriff's Department
4. State of Oklahoma
 - a. Oklahoma Highway Patrol
 - b. Oklahoma Department of Transportation
 - c. Oklahoma Department of Emergency Management
5. Utilities
 - a. Southwestern Bell Telephone Company d/b/a AT&T Oklahoma
 - b. Oklahoma Natural Gas Company
 - c. Public Service Company of Oklahoma (AEP)

V. TASK ASSIGNMENTS AND RESPONSIBILITY

A. City of Sand Springs

1. Lake Caretaker, responsible for:
 - a. Conducting daily lake level readings,
 - b. During localized storms, monitoring the lake for rapidly increasing lake levels that could present a potential dam overtopping condition,
 - c. Conducting daily dam inspections for any condition that could jeopardize the integrity of the structure,
 - d. Conducting dam inspections after an incident that could cause damage to the dam, and
 - e. Immediately notifying the police and fire dispatcher of any condition that could cause a breach or overtopping of the dam.

2. Sand Springs Emergency Management, responsible for:
 - a. Activating and supervising the EOC,
 - b. Providing incident command with available resources,
 - c. Coordinating resources with the Osage County EM Director and TAEMA Director, and
 - d. Discharging duties required by the City's Emergency Operations Plan.

3. Public Works Department, responsible for:
 - a. Providing the expertise to evaluate any damage and/or potential structure breach or overtopping condition,
 - b. Provide supervision, personnel and equipment for emergency repairs,
 - c. Provide barricades for road blocks,
 - d. Prepare for and reroute the City's water supply if necessary.

4. Law Enforcement, responsible for:
 - a. Traffic and crowd control,
 - b. Evacuation.

5. Fire Department, responsible for:
 - a. Fire suppression,
 - b. Search and rescue,
 - c. Hazardous debris removal from the Arkansas River.

6. Utilities, responsible for:
 - a. The disconnect, service, and repair of any utilities in their service area.

7. Oklahoma Department of Transportation:
 - a. Supervision, closing and opening of any State highways and State highway bridges,
 - b. Monitoring of floating debris that may cause damage to State highway bridges downstream.

8. American Red Cross and Salvation Army:
 - a. Sheltering of displaced persons.

ANNEXS AND APPENDICES

ANNEX A: Emergency Response

- APPENDIX 1 Emergency Telephone Numbers
- APPENDIX 2 Barricade Locations and Staging Areas
- APPENDIX 3 Residences Downstream
- APPENDIX 4 Map of Dam and Area
- APPENDIX 5 Inundation Map of Dam
- APPENDIX 6 Termination and Follow-Up
- APPENDIX 7 Plan Update, Review & Testing



ANNEX A To The Basic Plan

Emergency Response

I. ASSUMPTIONS

A. The Emergency Response portion of the Shell Lake Dam Breach Plan will be immediately activated upon the discovery of any condition that warrants such activation. While the scope of the plan outlines activities to be initiated upon the discovery of a possible breach or overtopping condition, timely warning conditions may not present themselves. And therefore, activation of the plan may commence with immediate evacuation utilizing on duty police and fire personnel. In the event of a catastrophic breach without warning, there may be no time for evacuation and the plan may commence with search and rescue operations by the fire department. ANNEX A set out operational guidelines to aid first responders in the evacuation process.

II. RESPONSE

A. Lake Caretaker

1. Upon discovering any condition that has the potential for a possible dam breach or overtopping of the dam shall immediately:

- a. Inform the Police and Fire Dispatcher
- b. Contact and brief the Public Works Staff Duty Officer
- c. Continue to monitor the situation

B. Police Dispatcher

1. Upon being informed by the lake caretaker that a dam breach or overtopping may be possible, shall immediately:

- a. Dispatch the closest police officer to the east side of the dam
- b. Notify the on duty police supervisor, the Osage County Sheriff's Dispatcher and request assistance from the Tulsa County Sheriff's Department and Highway Patrol.
- c. Notify the Fire Chief, Police Chief and Emergency Management Director.

C. Osage County Emergency Management Director

1. Notify the Osage County Sheriff, and other appropriate Osage County officials.

D. First Officer on Scene

1. Establish an Incident Command Post on the east side of the dam.
2. Close Shell Creek Road at the Dam.
3. Relay conditions at the Dam site to evacuation personnel downstream.
4. Continue Incident Command Operations until reassigned or relieved.

E. Law Enforcement

1. If conditions permit, commence evacuation.
 - a. Deploy all available personnel into the Expressway Acres addition to conduct a door-to-door notification and evacuation.
 - b. EOC shall maintain a list of personnel in the flood wave area.
2. Set up barricades.
3. Direct all evacuees to the evacuee staging area.
 - a. See APPENDIX 1 to ANNEX A for barricade locations and staging area.

F. Fire Department

1. Assist with evacuation.
2. Conduct search and rescue missions if necessary.
3. Assist with dangerous debris removal, if necessary, in Arkansas River at State Highway 97 and Arkansas River Bridge.

G. Emergency Management Director

1. Activate EOC.
2. Activate the City's Emergency Operations Plan.
3. Contact media for evacuation announcements.
4. Request assistance from Red Cross and Salvation Army.
5. Staff evacuation staging area, compile list of evacuees and their destination and direct evacuees to shelters.
6. Coordinate resources with TAEMA and Osage County Emergency Management.

II. Public Works

1. Evaluate dam condition.
2. Provide personnel and equipment to incident command.
3. Contact appropriate utilities.

APPENDIX I TO ANNEX A

Emergency Telephone Numbers

<u>Agency</u>	<u>Number</u>	
Tulsa Police Department	918-596-9222	24 hr. no.
Tulsa Fire Department	918-596-9977	24 hr. no.
Osage County Emergency Management	918-694-2818	24 hr. no.
Osage County Sheriff's Office	1-888-287-3150/287-3131	24 hr. no.
Highway Patrol Troop B	918-627-0440	24 hr. no.
Department of Transportation	918-838-9933	
TAEMA	918-596-9890/918-691-7285	
Sand Springs Emergency Management	918-246-2610/918-636-1015	
State Emergency Management	800-800-2481	24 hr. no.
Shell Lake Caretaker	918-245-1814/918-691-6688	
Oklahoma Natural Gas	918-832-7800	24 hr. no.
Public Service Company of Oklahoma	918-586-0420	24 hr. no.
Southwestern Bell	800-640-8722	24 hr. no.
Sand Springs Pubic Works	918-246-2595	
OWRB (Yohanes Sugeng)	405-530-8867	
City of Sand Springs		
Engineering Support (Derek Campbell)	918-246-2580	

Officials	Home	Cell	Pager
Sand Springs EM Director	918-241-7801	918-636-1015	
Sand Springs Police Chief		918-671-4032	918-750-1501
Sand Springs Fire Chief	918-267-3500	918-639-6947	

APPENDIX 2 TO ANNEX A

Barricade Assignments and Staging Areas

- I. Shell Lake Dam and roads leading to the flood wave path shall be barricaded.
 - A. Locations
 1. East and west side of dam
 2. Arney Drive and Anderson Road
 3. Wekiwa Road and 127th West Avenue
 4. Wekiwa Road and ½ mile west of 161st West Avenue
 - II. Staging Areas
 - A. Evacuees
 1. River City Park
 - B. Dam Repair Equipment and Personnel
 1. Shell Lake Park, east side of Dam
 - C. Search and Rescue Equipment and Personnel
 1. Retail Store Parking Lot 129th West Avenue and Wekiwa Road

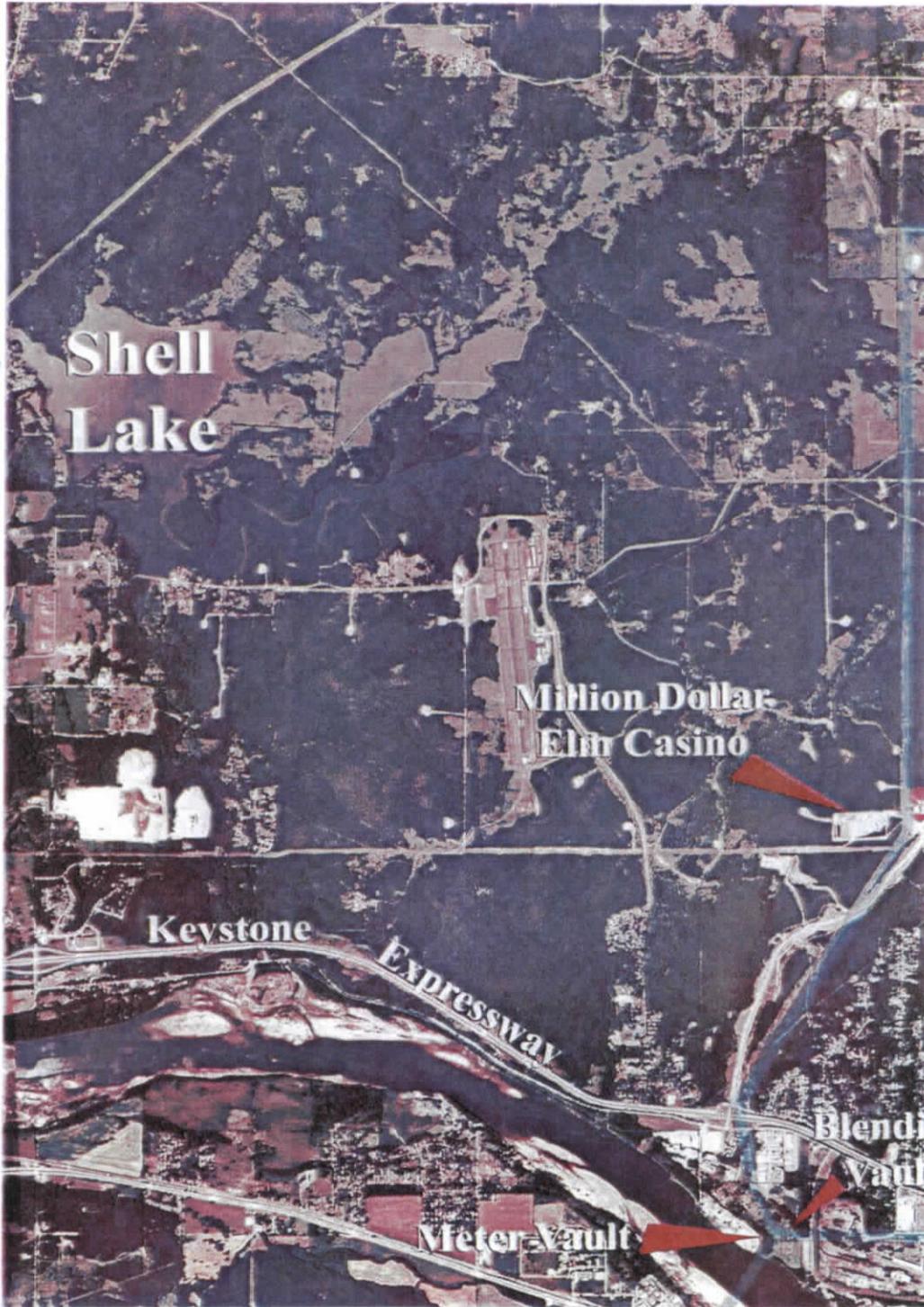
APPENDIX 3 TO ANNEX A

Residences Affected by a Shell Lake Dam Breach

For names and addresses and telephone numbers of households in the flood area see Shell Dam Breach Plan on file at the Sand Springs EOC and Police and Fire Dispatch.

Source: City of Sand Springs water records.

APPENDIX 4 – MAP OF DAM AND AREA

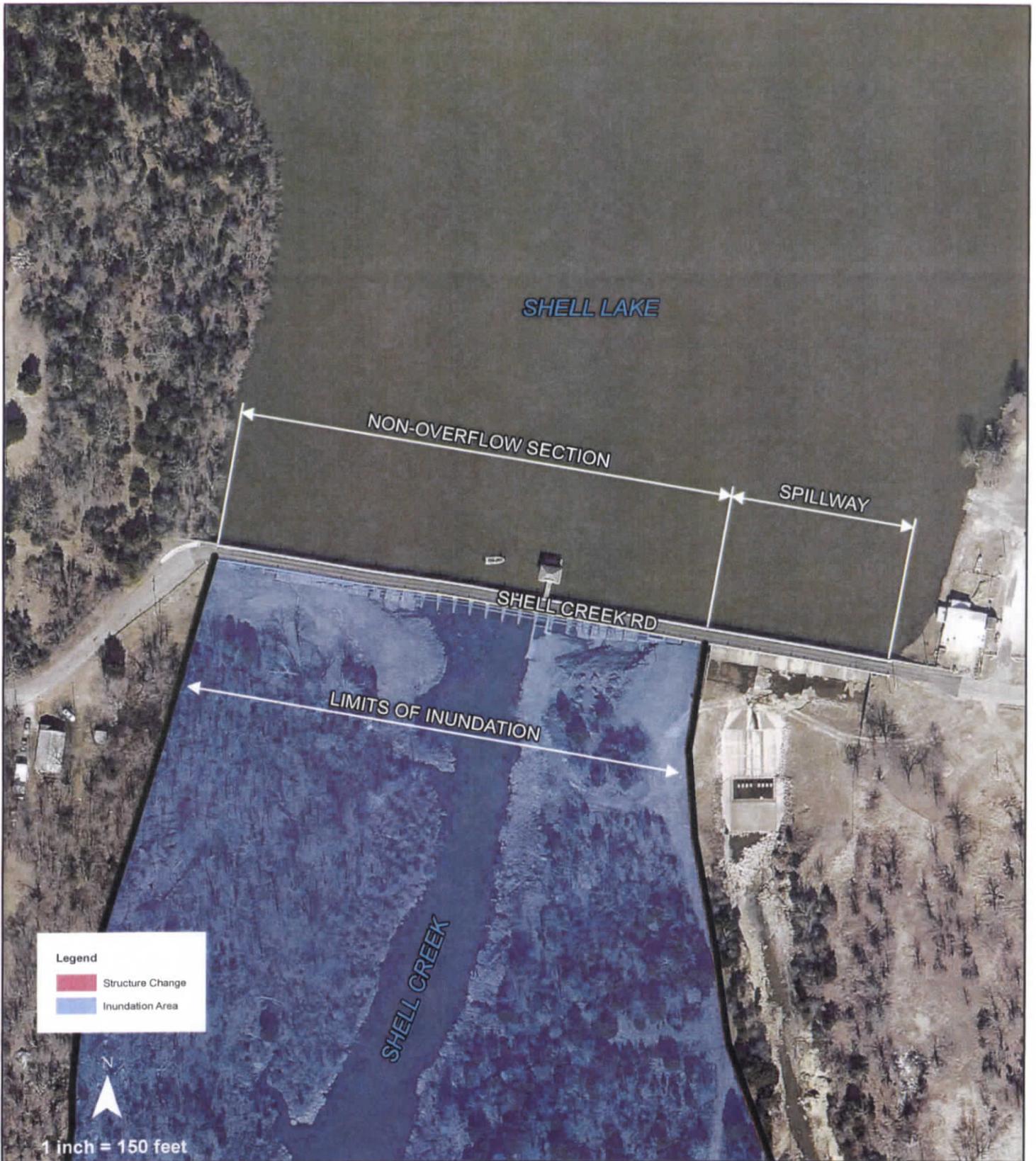




1 of 5
City of Sand Springs
Nov 2016

Shell Lake Inundation Map
NID: OK11015
SAND SPRINGS, OKLAHOMA 74063





2 of 5

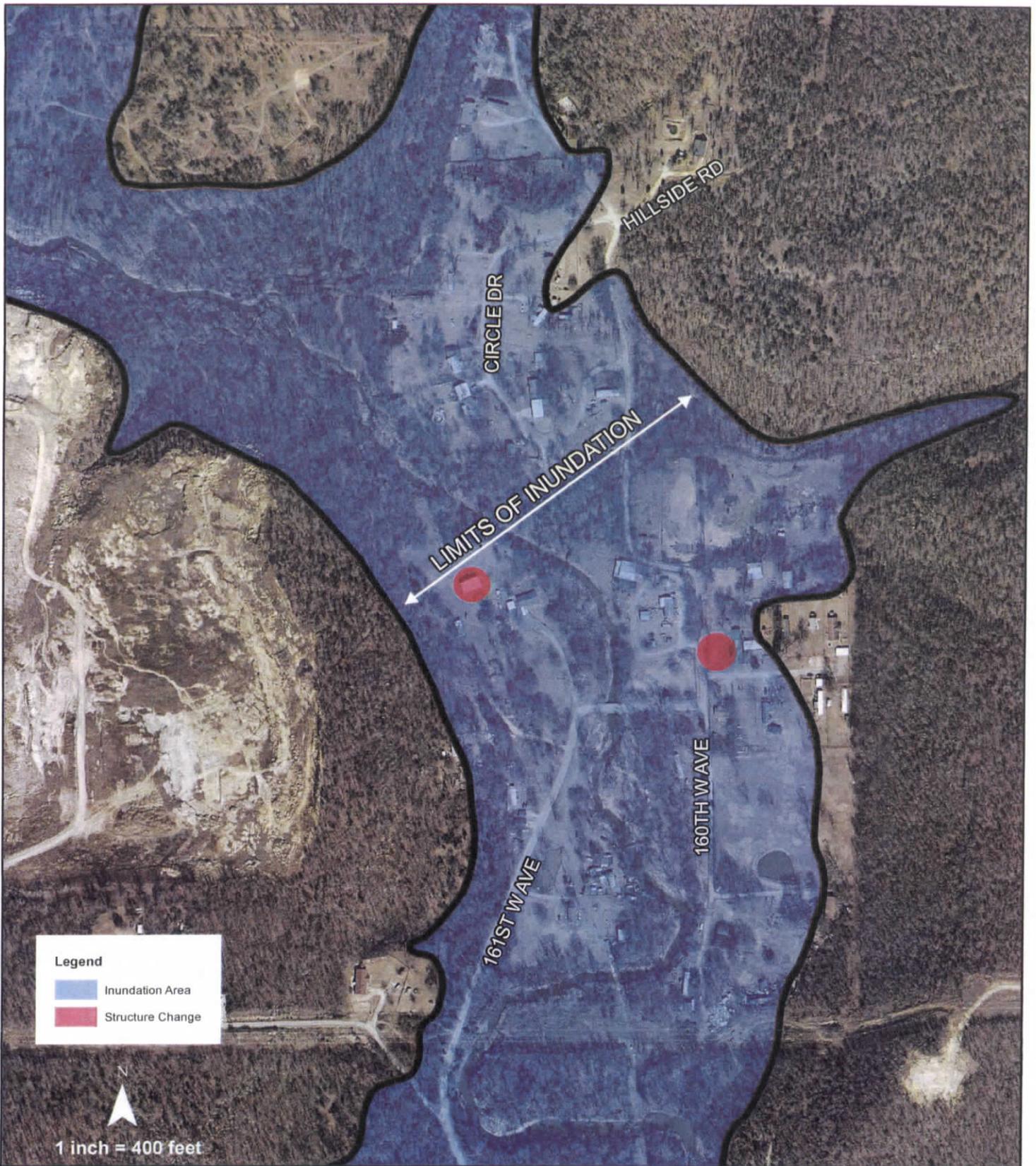
City of Sand Springs
Nov 2016

Shell Lake Inundation Map

NID: OK11015

SAND SPRINGS, OKLAHOMA 74063





Legend

- Inundation Area
- Structure Change



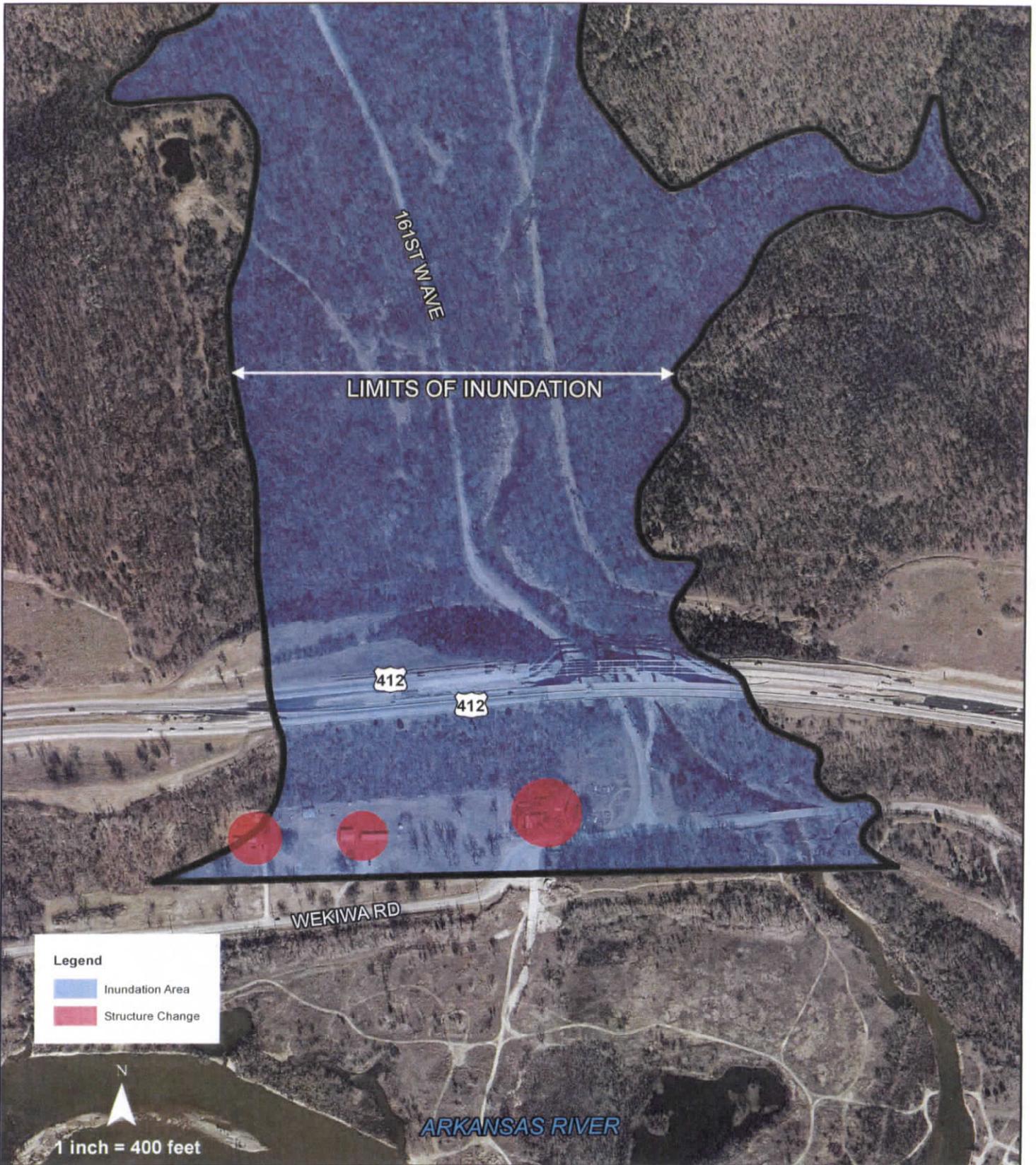
1 inch = 400 feet

3 of 5
 City of Sand Springs
 Nov 2016

Shell Lake Inundation Map

NID: OK11015
 SAND SPRINGS, OKLAHOMA 74063





Legend

- Inundation Area
- Structure Change

N

1 inch = 400 feet

Shell Lake Inundation Map

NID: OK11015

SAND SPRINGS, OKLAHOMA 74063



Sand Springs
OKLAHOMA

4 of 5

City of Sand Springs
Nov 2016

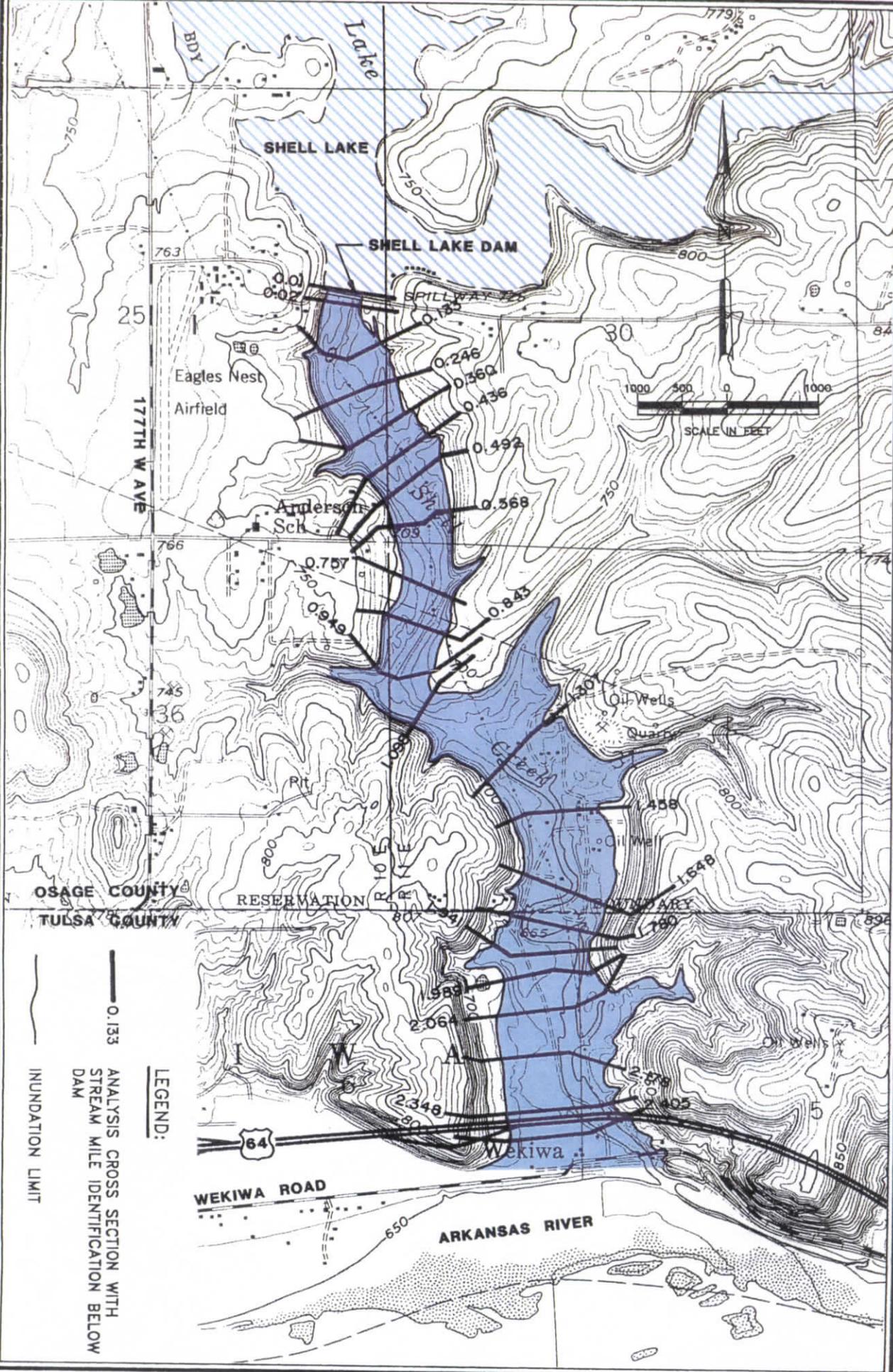
DRAWN: CRB
 CHECKED: BWM
 DATE: 10/27/92

REV.:
 DATE:

INUNDATION MAP
 50% PMF WITH BREACH

SAND SPRINGS MUNICIPAL AUTHORITY
 SHELL LAKE DAM

McLaughlin Water Engineers, Ltd.
 1518 So. Benton, Suite 310
 Tulsa, Oklahoma 74119 (918) 582-8000



APPENDIX 6 TO ANNEX A TERMINATION AND FOLLOW-UP

Event termination and follow-up activities

TERMINATION OF EVENT

Once conditions indicate that there is no longer an emergency at the dam site, the plan operations must eventually be terminated and follow-up procedures completed. The Incident Commander is responsible for terminating the emergency event and relaying this decision to responders. Prior to the termination of an event that has not caused actual dam failure, a representative of the City's Public Works Department will inspect the dam to determine whether any damage has occurred that could potentially result in loss of life, injury, or property damage. If it is determined that conditions do not pose a threat to people or property, then the Incident Commander will terminate the event operations as described above.

FOLLOW-UP ACTIVITIES

The City's Public Works Department will complete a Situation Report to document the event and all actions that were taken and submit to the City's Emergency Manager and Oklahoma Water Resources Board.

APPENDIX 7 TO ANNEX A
Plan Update, Review and Testing

**EMERGENCY PLANNING COMMITTEE (EPC) PERIODIC TRAINING,
REVIEW, UPDATING AND TESTING**

- Training responders to handle an emergency situation at Shell Lake Dam.
- Annually reviewing the Shell Lake Dam Breach Plan (PLAN) with EPC participants for any required changes and distribution of copies of the revised plan to participants.
- Testing the plan.
- Submitting plan revisions and testing reports to the Oklahoma Water Resources Board.

Review and Updating

Annually the EPC Coordinator verbally reviews the plan with EPC participants to explain the procedures to follow in the event of an emergency, address any changes that need to be made in the plan, answer questions regarding the procedures, and test their understanding of the plan. The EPC participants review the plan for possible changes, including:

- Changes in personnel.
- Changes in telephone numbers.
- New conditions that would affect flood flows or the extent of damage due to a dam failure.

The EPC Coordinator promptly makes the needed changes in the plan and distributes a revised plan to all EPC participants. If changes are made in the plan at any other time, the EPC Coordinator also verbally reviews these changes with the participants. If changes are made and approved by EPC participants the plan will then be presented to the Sand Springs Municipal Authority at the next regularly scheduled meeting. If the plan is approved by the Authority it will then be presented to the Chairman, City Manager and Emergency Management Director for signatures. After approval and signatures the revised plan will then be re-distributed as set forth in DISTRIBUTION PAGE *iv*.

Testing

The EPC Coordinator is responsible for conducting a test simulating a dam failure. Testing the plan familiarizes the plan participants with the plan, helps estimate the time needed for notification, and helps reveal any plan deficiencies. The EPC Coordinator initiates the test by contacting the City Emergency Manager. Plan participants must perform their required actions as if in a real emergency. When executing the test, each participant states their name and position and indicates that this is only a test. To assess the degree of success of the test, the EPC Coordinator requests that each participant comment about the execution of the notification procedures, discuss any problems encountered, and suggest any changes that would improve the plan. The EPC Coordinator keeps this information on file for comparison with future tests and revises the plan if needed.

APPROVAL

Key EPC participants may pre approve the plan by a majority vote of the EPC participants during a scheduled meeting of the EPC.



Agenda Item # _____
Consent/Regular

**CITY OF SAND SPRINGS
COUNCIL/AUTHORITY STAFF REPORT**

MEETING DATE: December 12, 2016

SUBJECT:

**WASTEWATER TREATMENT PLANT IMPROVEMENTS
COSS PROJECT NO. S-1202, BID NO. 1012
CHANGE ORDER NO. 7**

STAFF RECOMMENDATION:

1. Approval of Change Order No. 7 to the Agreement with Walters-Morgan Construction, Inc. for an increase in the amount of \$43,737.27 and an increase in the contract time of 18 calendar days.

BACKGROUND AND HISTORY:

On September 22, 2014 the Sand Springs City Council awarded Bid No. 1012 in the amount of \$14,687,400.00 to Walters-Morgan Construction, Inc. for construction of the Wastewater Treatment Plant Improvements project. Since that time, Council has approved six Change Orders for a net increase in the Contract Price of \$301,662.98 and an increase in the Contract Time of 103.5 calendar days.

This Change Order No. 7 has been prepared in consideration of five additional items affecting the Contract Amount and Time. A description of all items are as follows:

Item 1 – Add UPS protection for the three SBR PLCs (see Attachment A)

Two generators were included in this project to provide backup power to the Administration Building and much of the treatment process in the event of a power failure. Because of the size and power needs of the equipment involved, backup power was not provided for the Sequential Batch Reactor (SBR) process; however, the plant has the ability to deal with temporary power loss to this process by diverting flows to the plant's Flow Equalization Basin (FEB) if necessary. Since putting the process into operation, plant staff have reported numerous occasions in which momentary power blips or brown-outs type events have caused the control panels for this system to experience a fault condition requiring significant manual intervention by staff in order to reset. Because of the frequency in which these events were occurring,

staff began conversations with the Engineer and Contractor regarding was to resolve this issue. Resulting from those extensive conversations is the attached Work Change Proposal No. 23A to add an Uninterrupted Power Supply (UPS or battery backup) to the circuit providing power to this very sensitive equipment. This device will provide continuous conditioned power that will prevent the panels from being affected by momentary power failures. In addition, the proposal will reroute this circuit to be powered from one of the electric panels that is backed up by one of the plant's new generators for protection in the event of a power outage lasting longer than the capacity of the UPS battery. The generators will not power the full SBR process, but with this improvement will maintain the control panels in a ready state during an outage and allow them to bring the SBR units back into service upon restoration of the power.

Item 2 – WCD No. 12 (see Attachment B)

This Work Change Directive (WCD) provides for the provision and installation of a sludge draw off pipe into the existing aerobic digester AD402. It includes approximately 19 feet of new 8 inch "Protecto 401" lined ductile iron pipe, fittings, supports and wall sleeve modifications. This pipe was originally believed to be installed in the digester and was included in the plans for reuse, but as efforts to remove the sludge from the digester were under way it was determined that the pipe terminated at the outside wall of the tank rather than extending to near that center of the tank as expected. This new pipe extension within the tank is necessary to allow sludge withdrawal from near the center of the tank to facilitate process performance as well as to enhance system maintenance.

Item 3 – Credit for deletion of performance testing requirement for the new Degritter unit (see Attachment C)

The Contract Documents specify performance testing to be conducted on the new Degritter unit provided as part of this project. This requirement was primarily put in place in the event that the Contractor were to propose a unit that our plant staff was not familiar with. As it worked out, the Contractor has provided a unit that is identical to the existing parallel unit that our plan has been effectively using for years. As the Contractor and Staff were working with the Supplier of the equipment to determine the logistics for conducting the performance test, it was noted that significant efforts would be required by plant staff in order to generate an artificial influent flow rate great enough to conduct the test and that the results of the test may have limited value. The Supplier has approached the project team, inquiring as to whether there may be interest in accepting a credit in lieu of conducting the performance test. Staff has reviewed this proposal with the Engineer and because unit is identical to our existing unit are comfortable recommending the credit included in the attached Work Change Proposal No. 30 for acceptance by Council.

Item 4 – Weather Days Claimed (see Attachment D)

At each monthly progress meeting, the Contractor has submitted an accounting of weather days affecting the progress of critical activities on the project. Prior to the meeting these weather day requests are reviewed and validated by the Resident Project Inspector as to accuracy and conformance to his daily inspection reports. Attached is a summary of the 1.0 additional weather days being claimed at this time. Periodic formal acceptance of these weather days through the Change Order process

will help the Contractor, Engineer, and Staff in accurately tracking the construction progress in relation to the contractual deadline for completion.

Item 5 – Removal of additional unanticipated sludge quantity to the plant’s drying beds (see Attachment E)

As the Contractor placed the new aerobic digester unit into operation they began preparations for the rehabilitation of the plant’s two existing digesters. Contract documents called for the City’s plant staff to process and remove as much of the sludge within the digesters as the existing infrastructure would allow. It was the Contractor’s responsibility to remove any below that point. Due to the missing sludge draw off pipe discussed in the Item 2 above, the City’s plant staff was not able to remove near as much sludge in digester AD402 as they were from AD401. The Contractor expressed concern that this excess sludge remaining was significantly beyond what they may have reasonably expected to have to remove based upon the information available in the plans. Staff has worked with the Engineer and Contractor to arrive at an agreed upon baseline sludge elevation of 641.00 representing the elevation at which we believe one might reasonably expected the City could have removed the sludge to. The attached Work Change Proposal No. 31B has been prepared to compensate the Contractor for his additional efforts to remove sludge above that elevation to the plant’s drying beds.

Tetra Tech has prepared the attached Change Order No. 7 to reflect an increase in the amount of \$43,737.27 and an increase in the contract time of 18.0 calendar days.

Although the Agreement is written between the City of Sand Springs and Walters-Morgan Construction, Inc., staff is presenting this Item for concurrence by the Municipal Authority because bond revenues are being used to fund this project.

This Item was reviewed with the Public Works Advisory Committee at their December 6, 2016 meeting.

BUDGETARY IMPACT:

Funding for this Change Order is available within the existing project budget balance.

COMPILED BY: Cody D. Blair
Assistant City Engineer

PRESENTED BY: Cody D. Blair
Assistant City Engineer

ATTACHMENT(S):

- Change Order No. 7 (3 pages)*
- Attachment A (8 pages)*
- Attachment B (4 pages)*
- Attachment C (1 page)*
- Attachment D (2 pages)*
- Attachment E (1 page)*

CHANGE ORDER

CHANGE ORDER NO: 7
DATE: 12/12/2016
AGREEMENT DATE: 10/27/2014

NAME OF PROJECT: WASTEWATER TREATMENT PLANT IMPROVEMENTS
(BID 1012)

OWNER: CITY OF SAND SPRINGS, OKLAHOMA

CONTRACTOR: WALTERS MORGAN CONSTRUCTION, INC.

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification: **See Attachments A, B, C, D and E**

Original CONTRACT PRICE: \$14,687,400.00

Previous CHANGE ORDERS: \$301,662.98

Current CONTRACT PRICE adjusted by previous CHANGE ORDER
\$14,989,062.98.

The CONTRACT PRICE due to this CHANGE ORDER will be **increased** by
\$43,737.27.

The new CONTRACT PRICE including this CHANGE ORDER will be
\$15,032,800.25.

Change to CONTRACT TIME:

The CONTRACT TIME will be **increased** by 18 calendar days.

Therefore, the date for completion of all work will be April 2, 2017.

Approval Required:

OWNER: _____
Date

CONTRACTOR: _____
Date

ENGINEER: _____
Date

Wastewater treatment Plant Improvements (Bid No. 1012)
JUSTIFICATION FOR CHANGE

1. Is proposed change an alternate bid? / /Yes / X /No
2. Will proposed change alter the physical / /Yes / X /No
 Size of the project?
 If "Yes", explain.
3. Has consent of surety been obtained? / X /Yes / /No
4. Will this change affect expiration / X /Yes / /No
 Or extent of insurance coverage?
 If "Yes", will the policies be extended? Yes
5. Effect on operation and maintenance (O&M) costs:
 The proposed changes will not significantly impact the overall operation
 and maintenance costs for the project.
6. Necessity for change:
 See next page and the attachments.

ITEM NO.	BID ITEM NO.	DESCRIPTION OF CHANGES - Quantities, units, unit prices, change in completion schedule, etc.	DECREASE IN CONTRACT PRICE	INCREASE IN CONTRACT PRICE
1	-	Change Proposal No 23A Contract Time: Increase of 0 Calendar days See Attachment A		\$18,181.80
2	-	Work Change Directive 012 Contract Time: Increase of 3 Calendar days See Attachment B		\$6,999.39
3	-	Change Proposal No 30 Contract Time: Increase of 0 Calendar days See Attachment C	\$3,882.28	
4	-	Add weather days due to inclement weather as provided for in the contract provisions Contract Time Increase Contract Time: Increase of 1 Calendar days See Attachment D	NA	NA
5	-	Change Proposal No 31B Contract Time Increase Contract Time: Increase of 14 Calendar days See Attachment E		\$22,438.36
		Change in Contract price due to this Change Order		
		Total decrease	\$3,882.28	
		Total increase		\$47,619.55
		Net increase in Contract price		\$43,737.27

CHANGE PROPOSAL NO. 23A

WALTERS-MORGAN CONSTRUCTION, INC.
WASTEWATER TREATMENT PLANT IMPROVEMENTS
SAND SPRINGS WASTEWATER TREATMENT PLANT IMP.

ENGINEER # 131-11387-13001
OWNER # 1012

JOB NO. 214-10
DATE 08-Sep-16

Add UPS protection for the SBR PLC's per Srin Sundaramoorthy August 30th, 2016 email with scope and attachments 1 & 2. Sub and Supplier quotes attached.

Item Description	Qty	Unit	Labor Unit \$	Labor Total	Mat Unit \$	Mat Total	Sub Unit \$	Sub Total	Equip Unit \$	Equip Total	Total
Alfa Laval - Integrated Controls	1.00	ls	0.00	0.00	7429.00	7429.00	0.00	0.00	0.00	0.00	7429.00
RWE Install Panel and re-wire	1.00	ls	0.00	0.00	0.00	0.00	7545.00	7545.00	0.00	0.00	7545.00
Est. Freight for UPS & Nema 12 Enclosure	1.00	ea	0.00	0.00	400.00	400.00	0.00	0.00	0.00	0.00	400.00
		ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Direct Cost Subtotals			\$0.00	\$0.00	\$7,829.00	\$7,829.00	\$7,545.00	\$7,545.00	\$0.00	\$0.00	\$15,374.00
Employee Taxes, Insurance and Benefits (41%)											\$0.00
SUBTOTAL with PT&I											\$15,374.00

Contractors Fee on Sub (5%) \$377.25
 Contractor's Fee on L&M (15%) \$1,174.35
TOTAL FOR THE WORK \$16,925.60

Jobsite G&A Expense (7%) \$1,076.18
SUBTOTAL W/O BOND \$18,001.78
 Bond Premium (1%) \$180.02
CHANGE TOTAL WITH BOND \$18,181.80

ADDITIONAL TIME REQUESTED: Zero (0) Calendar Days

From: Tom Keyes
Sent: Wednesday, September 07, 2016 9:28 AM
To: 'Jim Perkins' <jperkins@waltersmorgan.com>; Rusty Gillispie <rustygillispie@ramseyward.com>
Cc: Jeff Ward <jeff@ramseyward.com>; Jesse Wright <jwright@waltersmorgan.com>; Jaime Bengochea <jaime.bengochea@alfalaval.com>
Subject: RE: CP Price Proposal - SBR PLC UPS located at Disinfection Building

Jim

Here is our proposal for the specified UPS system:

The scope is to add a UPS to the project. This proposal is based on “Figure 1” and “Figure 2” which were attached to an email from Alfa Laval (Tom Keyes 30aug16 – Forwarded Walters Morgan email dated 8/30). The “Scope Description- CP #23 AUPS for SBR PLC” document lists items that an electrician would furnish as well as items that we will furnish. The items included as a part of this proposal are #1, #2 and #7. There will be a single UPS that will be used to feed the main SBR panel as well as the two remote I/O panels that we provided previously. We understand that there have been brownouts but these have not been defined. ~~There is no specification to indicate what the UPS is to accomplish. As such we are not making any claims of performance or adherence to guidelines or specifications of any kind. We would recommend locating the enclosure above the SBR main control panel for ease of access.~~

This proposal includes:

- 2000VA on-line dual conversion UPS.
- NEMA 12 enclosure with filter fan, exhaust and thermostats.
- Normal power relay.
- Drawings for this panel.
- Modifications for the existing PLC and HMI. This will be accomplished remote from Integrated Controls offices. This is contingent on the VPN or other high speed data connection being operational and sufficient. If a trip to site becomes necessary that is not included and will need to be quoted separately.
- Installation and all wiring is by others.
- Freight is prepaid & add

Price : \$7,429.00 (Note – Freight not included in this price)

Allow up to 4 weeks for submittals and 10 weeks for shipment after approval. All items will be expedited to the best of our ability.

Best Regards
Tom Keyes



Material & Labor Breakdown (per WMCI email of 11/30/16):
The breakdown will be as follows:
Materials cost – Power monitor relay, NEMA 12 enclosure with filter, fan, exhaust and thermostat, UPS – Liebert (by Emerson) Model GXT4-2000RT120 - \$3,450.00
Labor – Shop construction time, program modification code writing, remote programming time, overhead and profit - \$3,979.00

Tom Keyes
Senior Project Manager
Tel direct: 281-985-4438
Tom.Keyes@alfalaval.com
Contact me on MS Lync/Communicator: <sip:Tom.Keyes@alfalaval.com>

Alfa Laval Inc (US)
10470 Deer Trail Drive - Houston, TX 77038 - United States
Tel switchboard: +1 800 362 9041 - Fax switchboard: +1 281 449 1324
www.alfalaval.us - www.as-h.com - customerservice.usa@alfalaval.com



Ramsey Ward Electric Co.
P.O. Box 1648
Ardmore, OK 73402
Phone:580.223.2221
Fax: 580.223.2302

Change Order Proposal

August 8, 2016

TO:

Walters-Morgan Construction, Inc.
2616 Tuttle Creek Blvd.
Manhattan, KN 66502

Attn: **Jim Perkins**

Project: Sand Springs WWTP

Change Order Proposal Number:
PROPOSAL REQUEST #

OTHER INFORMATION: UPS Addition

The total amount of this Change Order is: **\$7545.00**

Attached are the following supporting reports:

- **Extensions** (Material Quantities, Prices and Labor Units with Extended Totals)
- **Summary Totals** (Recap Sheet)

Sincerely,

Jeff Ward

9/8/2016 1:04:16 PM

Page 1

**SS Change Order Proposal #10 : SS Change Order Proposal
Totals (Summary) - Bid Summary: Default**

Material	
Non-Quoted	\$4,730.37
Quotes	0.00
Sales Tax (0.00%)	0.00
Total Material	\$4,730.37
Labor	
Direct (52.76 hours @ \$34.16)	\$1,802.22
Non-Productive Labor	0.00
Total Labor	\$1,802.22
Direct Job Expenses	\$326.60
Tools and Miscellaneous Materials	0.00
Subcontracts	0.00
Job Subtotal (Prime Cost)	\$6,859.19
Overhead (10.00%)	685.92
Profit (0.00%)	0.00
Job Total	\$7,545.11
Actual Bid Price	\$7,545.11
Material to Direct Labor ratio: 0.72	
Prime Cost per square foot	\$0.00
Job Total per square foot	\$0.00
Actual Bid Price per square ft	\$0.00
Labor cost per square foot	\$0.00
Labor hours per square foot	0.00
Gross Profit %	9.09
Gross Profit \$	\$685.92
Net Profit %	0.00

SS Change Order Proposal #10 : SS Change Order Proposal

Job Number: CO14-1

Bid Summary: Default

Extension By Phase

Item #	Description	Quantity	Price	U	Ext Price	Labor Hr	U	Ext Lab Hr
--- 01 Raceway, Fittings & Boxes ---								
1170	3/4" PVC Coated Rigid Steel	40	631.79	C	252.72	8.00	C	3.20
1174	2" PVC Coated Rigid Steel	10	1,642.19	C	164.22	18.00	C	1.80
1394	3/4" PVC Coated Rigid Elbow	2	2,379.12	C	47.58	0.55	E	1.10
1989	2" PVC Coated GUAT	1	610.98	E	610.98	1.56	E	1.56
2371	3/4" Unistrut Strap	10	217.88	C	21.79	10.00	C	1.00
2375	2" Unistrut Strap	2	359.31	C	7.19	20.00	C	0.40
--- 01 Raceway, Fittings & Boxes Total ---					1,104.48			9.06
--- 02 Wire & Cable ---								
2660	#12 THHN CU Stranded Wire	600	209.30	M	125.58	6.00	M	3.60
2662	#8 THHN CU Stranded Wire	1,500	522.62	M	783.93	10.00	M	15.00
2666	#2 THHN CU Stranded Wire	1,200	1,981.71	M	2,378.05	18.00	M	21.60
6137	#8 Split Bolt Connector	5	3.69	E	18.45	0.08	E	0.40
6140	#3 Split Bolt Connector	4	7.02	E	28.08	0.20	E	0.80
--- 02 Wire & Cable Total ---					3,334.09			41.40
--- 07 Misc ---								
1234710	Stainless Steel Strut	10	7.98	E	79.80	8.00	C	0.80
T0001	2" PVC Coated LB Condulet	1	212.00	E	212.00	1.50	E	1.50
--- 07 Misc Total ---					291.80			2.30
Job Total					4,730.37			52.76

* Trade Price, Labor column 3

Scope from Srimi email dated August 30, 2016

**Scope Description- CP #23A- UPS for SBR PLC- UPS Located at Disinfection Building
Sand Springs SBR WWTP- BID 1012**

1. Provide True online UPS, 2 kVA, 120 VAC, with relay output for Utility not present.
2. Provide NEMA 12 Enclosure to house UPS and mount next to SWBD-CHEM (see attached floor plan- Figure 1)
3. Provide ¾"C(3#12) from PP-EM to UPS, connect to spare 20 amp breaker.
4. Provide 2"C(5#8, 4#2, 2#12) from UPS enclosure to duct bank stub ups, and route wire through duct bank spare conduits to SBR blower shelter. (See attached site plan- Figure 2)
5. Splice two #2 feeds from UPS enclosure to two remote control panels within MCC-SBR.
6. Route third #8 feed and alarm contact to SBR master control panel.
7. Program system to accept alarm contact.

Attachment Reference:

Figure 1- Disinfection Building Electrical Room Floor Plan

Figure 2- Site Plan

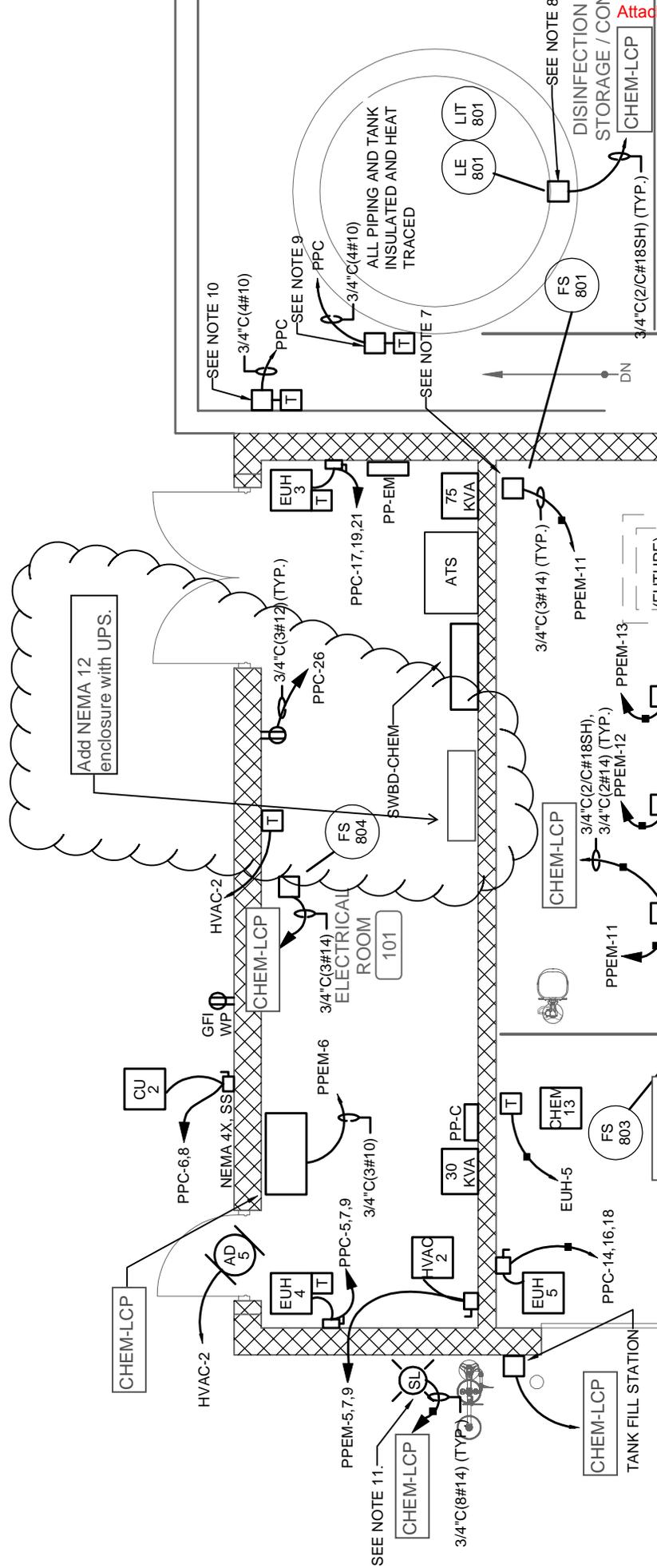


FIGURE 1 - Disinfection Building Electrical Room Plan

L SITE PLAN

REATMENT PLANT
/EMENTS

ND SPRINGS

MARK	DATE	DESCRIPTION	BY
	05.23.14		

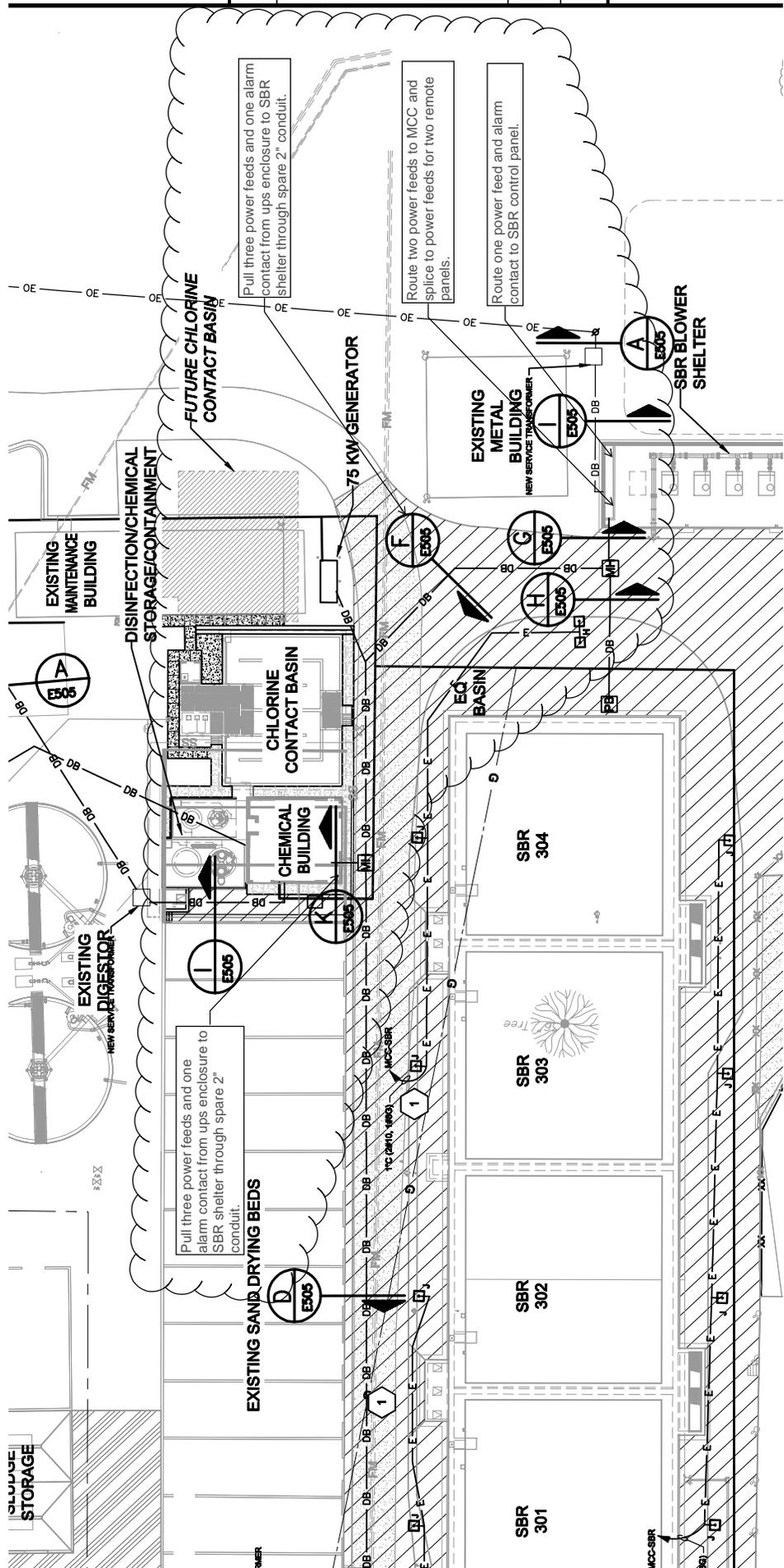


Figure 2 - Site Plan



WORK CHANGE DIRECTIVE	WCD No. <u>012</u>
PROJECT: Sand Springs Wastewater Treatment Plant Improvements Bid No. 1012	
OWNER: City of Sand Springs, OK	

CONTRACTOR: Walters-Morgan Construction, Inc.
ENGINEER: Tetra Tech, Inc.

The following additions, deletions, or revisions to the Work have been ordered and authorized:

DESCRIPTION OF WORK: (LIST DOCUMENTS ATTACHED)

CP No. 29: This change proposal will install new sludge draw off pipe within the existing aerobic digester tank AD402. It includes approximately 19-feet of new 8-inch 'Protecto 401' lined ductile iron pipe, fittings, supports and wall sleeve modifications. Find Attached:

- A copy of the Contractor's Change Proposals No. 29.

REASON FOR CHANGE

CP No. 29: The contract documents showed the sludge draw off pipe as existing and to be reused. When the digester was drained, it was discovered the draw off pipe was not originally installed to extend all the way to the near center of the digester tank but terminated at the outside wall. This new pipe extension within the tank is necessary to allow sludge withdrawal from near the center of the tank to facilitate process performance as well as to enhance system maintenance.

METHOD OF PAYMENTS: (Check One)

- Contract Unit Price
 Lump Sum
 Cost of the Work (Time and Materials)

Estimated increase (~~decrease~~) in CONTRACT PRICE: Estimated increase (~~decrease~~) in CONTRACT TIME:

\$6,999.39
If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

3 Calendar Days (increase)
If the change involves an increase, the estimated time is not to be exceeded without further authorization.

REMARKS:

RECOMMENDED BY: *Tami J. [Signature]* ENGINEER 11/29/16 DATE

AUTHORIZED BY: *[Signature]* OWNER 12-1-16 DATE
ee 12/1/16

CHANGE PROPOSAL NO. 29

WALTERS-MORGAN CONSTRUCTION, INC.
 WASTEWATER TREATMENT PLANT IMPROVEMENTS
 SAND SPRINGS WASTEWATER TREATMENT PLANT IMP.

ENGINEER # 131-11387-13001
 OWNER # 1012

JOB NO. 214-10
 DATE 21-Nov-16

Provide and install new sludge draw off pipe in Digester 402, supports, and paint. Existing was broken off at wall.

Item Description	Qty	Unit	Labor		Mat		Sub		Equip		Total
			Unit \$	Total	Unit \$	Total	Unit \$	Total	Unit \$	Total	
Pipe, Fittings, & Accessories needed	1.00	ls	400.00	400.00	3305.00	3305.00	0.00	0.00	0.00	0.00	3705.00
Form & Pour Concrete Pipe supports	2.00	ea	150.00	300.00	200.00	400.00	0.00	0.00	0.00	0.00	700.00
SS Strap over pipe supports	2.00	ea	20.00	40.00	50.00	100.00	0.00	0.00	0.00	0.00	140.00
Paint Pipe	1.00	ls	150.00	150.00	100.00	100.00	0.00	0.00	0.00	0.00	250.00
Grout/Waterstop 8" Pipe through 10" pipe	1.00	ls	50.00	50.00	75.00	75.00	0.00	0.00	0.00	0.00	125.00
Estimated Freight for Pipe	1.00	ls	0.00	0.00	0.00	375.00	0.00	0.00	0.00	0.00	375.00
Direct Cost Subtotals				\$940.00		\$4,355.00		\$0.00		\$0.00	\$5,295.00

Employee Taxes, Insurance and Benefits (41%) \$385.40

SUBTOTAL with PT&I

\$5,680.40

Contractors Fee on Sub (5%)

\$0.00

Contractor's Fee on L&M (15%)

\$852.06

TOTAL FOR THE WORK

\$6,532.46

Jobsite G&A Expense (7%)

\$397.63

SUBTOTAL W/O BOND

\$6,930.09

Bond Premium (1%)

\$69.30

CHANGE TOTAL WITH BOND

\$6,999.39

ADDITIONAL TIME REQUESTED:

Three (3) Calendar Days - (2 work days)

SUBTOTAL W/O BOND

TOTAL WITH BOND



FERGUSON WATERWORKS #1895
 1820 N. WILLOW AVE
 BROKEN ARROW, OK 74012-9169

Phone: 918-459-9536
 Fax: 918-459-9540

Deliver To:
 From: Bobby Honeycutt
 Comments:
AD-402 Sludge Pipe

17:21:36 NOV 18 2016

Page 1 of 1

FEI-VVW BROKEN ARROW #1895

Price Quotation
 Phone: 918-459-9536
 Fax: 918-459-9540

Bid No: B264773
Bid Date: 11/18/16
Quoted By: BDH

Cust Phone: 785-539-7513
Terms: NET 10TH PROX

Customer: WALTERS MORGAN CONST INC
 2616 TUTTLE CREEK BLVD
 SAND SPRINGS WWTP
 MANHATTAN, KS 66502

Ship To: WALTERS MORGAN CONST INC
 2616 TUTTLE CREEK BLVD
 SAND SPRINGS WWTP
 MANHATTAN, KS 66502

Cust PO#:

Job Name: SAND SPRINGS WWTP

Item	Description	Quantity	Net Price	UM	Total
SP-8DIPFABSPPOOL	8 DIP FAB SPL - DESCRIPTION BELOW 8" X 5'-0" FLANGE X PLAIN END TN140-P401 SPOOL	1	500.000	EA	500.00
SP-8DIPFABSPPOOL	8 DIP FAB SPL - DESCRIPTION BELOW 8" X 19'-0" FLANGE X PLAIN END TN140-P401 LINED SPOOL	1	1500.000	EA	1500.00
F2P4X	8 DI 125# FLG P-401 22-1/2 BEND	1	375.00	EA	375.00
F1P4X	8 DI 125# FLG P-401 11-1/4 BEND TN140-P401 LINED	1	450.00	EA	450.00
MJRP4LAXU	8X6 MJ C153 P-401 RED L/A	1	250.00	EA	250.00
FBSETX	8 FLG BLT SET 304SST-RRFF	4	35.00	EA	140.00
SSLDE6	6 DI MJ WDG REST GLND *ONELOK WITH ACC	1	40.00	EA	40.00
SSLDE8	8 DI MJ WDG REST GLND *ONELOK WITH ACC	1	50.00	EA	50.00

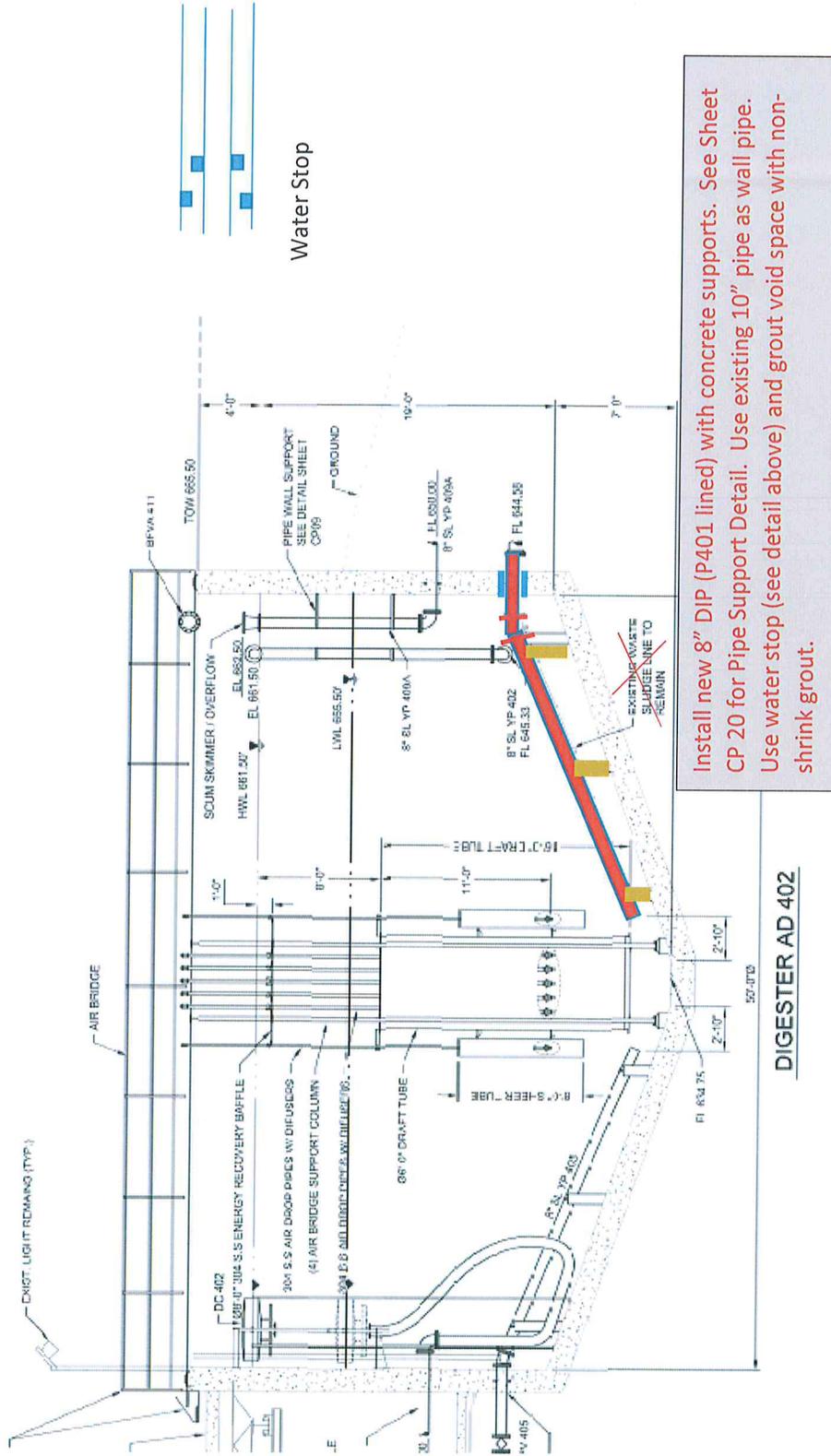
Net Total: \$3305.00
Tax: \$0.00
Freight: \$0.00
Total: \$3305.00

Est. at \$375 →

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This quote is offered contingent upon the buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at http://wolseleyna.com/terms_conditionsSale.html. Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with "NP" in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.

Change Proposal CP #29- Attachment A
Sand Springs Wastewater Treatment Plant. BID 1012



CHANGE PROPOSAL NO. 30

WALTERS-MORGAN CONSTRUCTION, INC.
WASTEWATER TREATMENT PLANT IMPROVEMENTS
SAND SPRINGS WASTEWATER TREATMENT PLANT IMP.

ENGINEER # 131-11387-13001
OWNER # 1012

JOB NO. 214-10
DATE 30-Nov-16

Delete the performance testing requirement for the Degritter. Flows are not adequate to test as intended without significant additional work by City staff to backup water for testing. Also, unit is identical to existing unit that has been in operation for quite some time.

Item Description	Qty	Unit	Labor Unit \$	Labor Total	Mat Unit \$	Mat Total	Sub Unit \$	Sub Total	Equip Unit \$	Equip Total	Total
Lakeside Credit for Degritter Testing	-1.00	ls	0.00	0.00	3000.00	-3000.00	0.00	0.00	0.00	0.00	-3000.00
WMCI 2" PVC Pipe & Support	-1.00	ls	200.00	-200.00	150.00	-150.00	0.00	0.00	0.00	0.00	-350.00
	0.00	ls	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

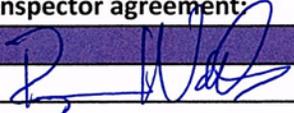
Direct Cost Subtotals				(\$200.00)		(\$3,150.00)		\$0.00		\$0.00	(\$3,350.00)
Employee Taxes, Insurance and Benefits (41%)				(\$82.00)							(\$82.00)
SUBTOTAL with PT&I											(\$3,432.00)
Contractors Fee on Sub (5%)											\$0.00
Contractor's Fee on L&M (5%)											(\$171.60)
TOTAL FOR THE WORK											(\$3,603.60)
Jobsite G&A Expense (7%)											(\$240.24)
SUBTOTAL W/O BOND											(\$3,843.84)
Bond Premium (1%)											(\$38.44)
CHANGE TOTAL WITH BOND											(\$3,882.28)
ADDITIONAL TIME REQUESTED:											Zero (0) Calendar Days

**Change Order #7
Weather Days Summary**

Weather Day	Note	Calendar days Increase
September 9, 2016	PM #21	1.0
	Total	1.0

Total Weather Days Summary	
From CO No 3	28.5
From CO No 5	14
CO No 7 (This request)	1.0
Total Weather Days	43.5

Change Order No	Weather Days	Time Extension	Total Extension
	Calendar Days		
Change order No 1	0	31	31
Change order No 2	0	3	3
Change order No 3	28.5	3	31.5
Change Order No 4	0		0
Change Order No 5	14	0	14
Change Order No 6	0	24	24
Change order No 7	1	17	18
Total	43.5	78	121.5

Weather Days			Inspector agreement:
Days Adjusted at pay app # 22			
9/9/2016	1 Day	rain started am	
Total	1 Day		

CHANGE PROPOSAL NO. 31B

WALTERS-MORGAN CONSTRUCTION, INC.
WASTEWATER TREATMENT PLANT IMPROVEMENTS
SAND SPRINGS WASTEWATER TREATMENT PLANT IMP.

ENGINEER # 131-11387-13001
OWNER # 1012

JOB NO. 214-10
DATE 05-Dec-16

Removal of additional un-anticipated sludge quantity AD 402. Remove to Drying beds. WMCI Using Elevation 641.00 as baseline elevation for what was feasible for city to remove with existing infrastructure and sludge ellevation of 653.00 for actual sludge level in AD 402. Time Extension requested is 14 clander days for additional work to remove an additional 851 Cubic Yards of Sludge from AD 402 to the Drying Beds. The City was able to remove sludge in AD 401 with existing infrastructure down to elev 639 so there is no additional cost for removal for AD 401.

Item Description	Qty	Unit	Labor Unit \$	Labor Total	Mat Unit \$	Mat Total	Sub Unit \$	Sub Total	Equip Unit \$	Equip Total	Total
Pump, Power Unit, & Hoses Rental - Fixed wks used to date for Unanticipated Sludge	3	wks	0.00	0.00	1250.00	3750.00	0.00	0.00	0.00	0.00	3750.00
Crane Moving Pump & Spotter/hose tender Fixed hours used to date	50	CHrs	50.00	2500.00	0.00	0.00	0.00	0.00	45.00	2250.00	4750.00
Crane Claming & Spotter Fixed hours used to date	50	CHrs	50.00	2500.00	0.00	0.00	0.00	0.00	45.00	2250.00	4750.00
Loader Hauling to Beds - Fixed hours used to date	50	Hrs	20.00	1000.00	0.00	0.00	0.00	0.00	30.00	1500.00	2500.00
	0	wks	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Direct Cost Subtotals \$6,000.00 \$3,750.00 \$0.00 \$6,000.00 \$15,750.00
Employee Taxes, Insurance and Benefits (41%) \$2,460.00

SUBTOTAL with PT&I \$18,210.00

Contractors Fee on Sub (5%) \$0.00

Contractor's Fee on L&M (15%) \$2,731.50

TOTAL FOR THE WORK \$20,941.50

Jobsite G&A Expense (7%) \$1,274.70

SUBTOTAL W/O BOND \$22,216.20

Bond Premium (1%) \$222.16

CHANGE TOTAL WITH BOND \$22,438.36

ADDITIONAL TIME REQUESTED: Fourteen (14) Calendar Days - (10 work days)

**CITY OF SAND SPRINGS**
COUNCIL/AUTHORITY STAFF REPORTMEETING DATE: December 12, 2016**SUBJECT:****WASTEWATER TREATMENT PLANT IMPROVEMENTS**
COSS PROJECT NO. S-1202, BID NO. 1012
CHANGE ORDER NO. 8**STAFF RECOMMENDATION:**

1. Approval of Change Order No. 8 to the Agreement with Walters-Morgan Construction, Inc. for an increase in the amount of \$39,359.90 and an increase in the contract time of 7 calendar days.

BACKGROUND AND HISTORY:

On September 22, 2014 the Sand Springs City Council awarded Bid No. 1012 in the amount of \$14,687,400.00 to Walters-Morgan Construction, Inc. for construction of the Wastewater Treatment Plant Improvements project. Since that time, Council has approved six Change Orders for a net increase in the Contract Price of \$301,662.98 and an increase in the Contract Time of 103.5 calendar days. An additional Change Order No. 7 an additional \$43,737.27 and 18 calendar days is pending Council Approval.

This Change Order No. 8 has been prepared in consideration of one additional item affecting the Contract Amount and Time. A description of all items are as follows:

Item 1 – Add UPS protection for the three SBR PLCs (see Attachment A)

In the previous Change Order No. 7 the Contractor provided a Work Change Proposal for compensation for additional work required to remove an additional amount of unexpected sludge from existing digester AD402 to the City's drying beds prior to rehabilitation of the digester. This Change Order has been prepared to establish a unit price for compensating the Contractor for loading, hauling, disposal of this additional sludge at the landfill after the sludge has had time to dry sufficiently. The City will reconcile quantities with the Contractor once disposal has been completed and will pay for the actual quantities hauled minus the baseline amount that was established as being the Contractor's responsibility under the original Contract. Seven additional

calendar days are being recommended for disposal of the sludge; however, no additional time is being recommended at this time for the time required for the sludge to sufficiently dry. This issue will be revisited at a later date, if it becomes an issue.

Tetra Tech has prepared the attached Change Order No. 8 to reflect an increase in the amount of \$39,359.90 and an increase in the contract time of 7.0 calendar days.

Although the Agreement is written between the City of Sand Springs and Walters-Morgan Construction, Inc., staff is presenting this Item for concurrence by the Municipal Authority because bond revenues are being used to fund this project.

This Item was reviewed with the Public Works Advisory Committee at their December 6, 2016 meeting.

BUDGETARY IMPACT:

Funding for this Change Order is available within the existing project budget balance.

COMPILED BY: Cody D. Blair
Assistant City Engineer

PRESENTED BY: Cody D. Blair
Assistant City Engineer

ATTACHMENT(S):

Change Order No. 8 (3 pages)
Attachment A (3 pages)

CHANGE ORDER

CHANGE ORDER NO: 8
DATE: 12/12/2016
AGREEMENT DATE: 10/27/2014

NAME OF PROJECT: WASTEWATER TREATMENT PLANT IMPROVEMENTS
(BID 1012)

OWNER: CITY OF SAND SPRINGS, OKLAHOMA

CONTRACTOR: WALTERS MORGAN CONSTRUCTION, INC.

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification: **See Attachment A**

Original CONTRACT PRICE: \$14,687,400.00

Previous CHANGE ORDERS: \$345,400.25

Current CONTRACT PRICE adjusted by previous CHANGE ORDER
\$15,032,800.25.

The CONTRACT PRICE due to this CHANGE ORDER will be **increased** by
\$39,359.90.

The new CONTRACT PRICE including this CHANGE ORDER will be
\$15,072,160.15.

Change to CONTRACT TIME:

The CONTRACT TIME will be **increased** by 7 calendar days.

Therefore, the date for completion of all work will be April 9, 2017.

Approval Required:

OWNER: _____
Date

CONTRACTOR: _____
Date

ENGINEER: _____
Date

Wastewater treatment Plant Improvements (Bid No. 1012)
JUSTIFICATION FOR CHANGE

1. Is proposed change an alternate bid? / /Yes / X /No
2. Will proposed change alter the physical / /Yes / X /No
 Size of the project?
 If "Yes", explain.
3. Has consent of surety been obtained? / X /Yes / /No
4. Will this change affect expiration / X /Yes / /No
 Or extent of insurance coverage?
 If "Yes", will the policies be extended? Yes
5. Effect on operation and maintenance (O&M) costs:
 The proposed changes will not significantly impact the overall operation
 and maintenance costs for the project.
6. Necessity for change:
 See next page and the attachments.

ITEM NO.	BID ITEM NO.	DESCRIPTION OF CHANGES - Quantities, units, unit prices, change in completion schedule, etc.	DECREASE IN CONTRACT PRICE	INCREASE IN CONTRACT PRICE
1	-	Change Proposal No 31A Contract Time: Increase of 7 Calendar days See Attachment A		\$39,359.90
	Change in Contract price due to this Change Order			
	Total decrease			
	Total increase			\$39,359.90
	Net increase in Contract price			\$39,359.90

CHANGE PROPOSAL NO. 31A

WALTERS-MORGAN CONSTRUCTION, INC.
WASTEWATER TREATMENT PLANT IMPROVEMENTS
SAND SPRINGS WASTEWATER TREATMENT PLANT IMP.

ENGINEER # 131-11387-13001
OWNER # 1012

JOB NO. 214-10
DATE 05-Dec-16

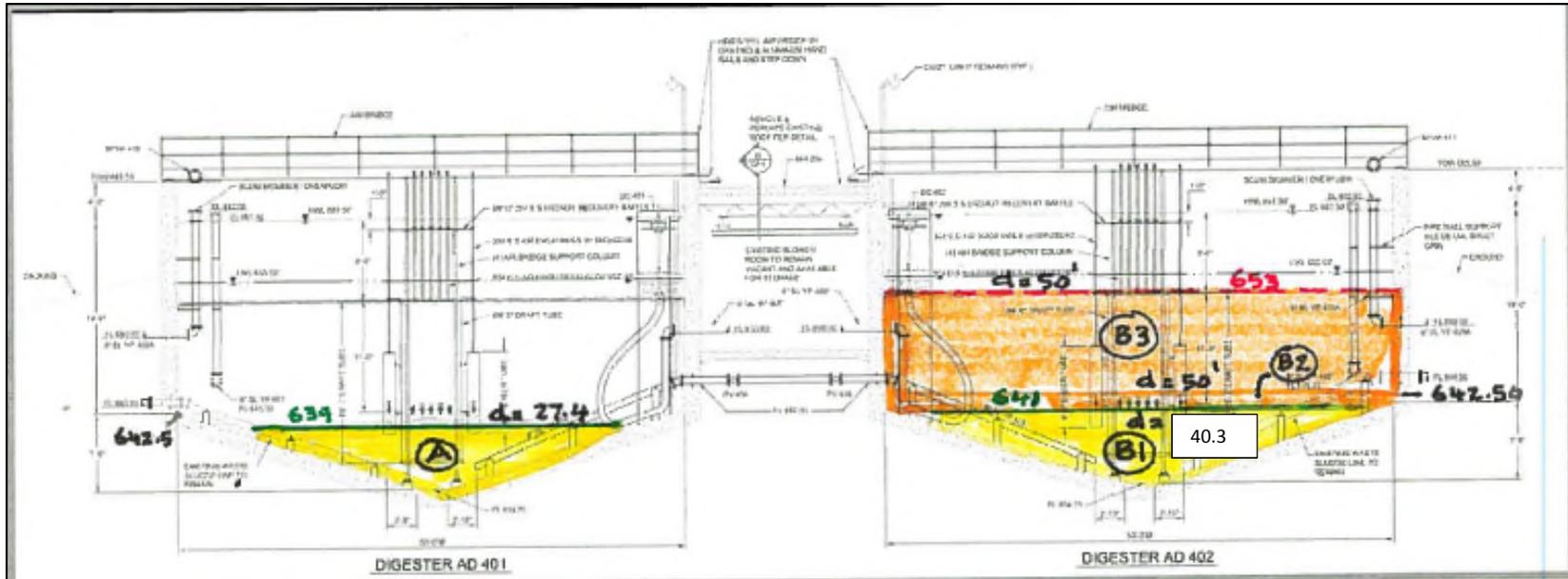
Remove sludge from Drying Beds and dispose of additional un-anticipated sludge quantity in AD 402. Load & Haul to landfill and pay landfill fees. This preliminary change is to establish a budget for City approval. Final quantities will be paid for at the unit prices established below. WMCI is using 1.25 Tons of sludge per Cubic Yard as a conversion factor for estimating purposes. WMCI Using Elevation 641.00 as baseline elevation for what was feasible for city to remove doen to with existing infrastructure. Sludge Below 641.00 is taken care of by WMCI. Unanticipated quantity is based off of sludge from Elev. 653 to 641. Time Extension requested is 7 calander days for additional work. WMCI to provide log tickets from landfill, and backup documentation for hauling, rental, and WMCI hours for loading cost. **** Requested time does not include time needed for drying which will be mutually worked out at a later date prior to proejct completion ****

Item Description	Qty	Unit	Labor Unit \$	Labor Total	Mat Unit \$	Mat Total	Sub Unit \$	Sub Total	Equip Unit \$	Equip Total	Total
Estimated Unanticipated Sludge (851CY)											
Dump Fees - Unit Price-Final is actual Tons	1064	Tons	0.00	0.00	19.25	20482.00	0.00	0.00	0.00	0.00	20482.00
Loading Trucks w/ Rented Long Reach Hoe - Unit price - Final cost is actual Hours	40	Hrs	20.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	800.00
Hauling Sub (Est 60 loads-1 Hr round trip)-Unit Price-Final cost is Actual Hours	60	hours	0.00	0.00	0.00	0.00	95.00	5700.00	0.00	0.00	5700.00
Long Reach Hoe Freight and Rent-Unit Price Per week for rent-Final cost is actual weeks	1	wks	0.00	0.00	1700.00	1700.00	0.00	0.00	3400.00	3400.00	5100.00

Direct Cost Subtotals		\$800.00		\$22,182.00		\$5,700.00		\$3,400.00		\$32,082.00
Employee Taxes, Insurance and Benefits (41%)				\$328.00						\$328.00
SUBTOTAL with PT&I										\$32,410.00
Contractors Fee on Sub (5%)										\$285.00
Contractor's Fee on L&M (15%)										\$4,006.50
TOTAL FOR THE WORK										\$36,701.50
Jobsite G&A Expense (7%)										\$2,268.70
SUBTOTAL W/O BOND										\$38,970.20
Bond Premium (1%)										\$389.70
CHANGE TOTAL WITH BOND										\$39,359.90

ADDITIONAL TIME REQUESTED: **Seven (7) Calendar Days - (5 work days)**

SUBTOTAL W/O BOND \$38,970.20
TOTAL WITH BOND \$39,359.90



AD 401:

Remaining Sludge level ~ 639.00. All Contractor responsibility.

Estimated sludge quantity A = $(1/3) * (\pi) * (13.7^2) * (4.25) = 835.3 \text{ cu ft} = 30.9 \text{ cu yd} = 38.7 \text{ Ton}$ (assumes 1.25 Ton/cu yd)

All contractor responsibility. Estimated quantity = A = 38.7 Tons

AD 402:

Contractor is responsible for up to elevation 641.0

Est. Sludge Quantity B1 = $(1/3) * (\pi) * (20.5^2) * (6.75) = 2970.6 \text{ cu ft} = 110.0 \text{ cu yd} = 137.6 \text{ Tons}$ (assumes 1.25 Ton/cu yd)

Est. Sludge Quantity B2 = $(1/3) * (\pi) * (25^2) * (7.75) - B1 = 5072.4 - 2970.6 = 2101.8 \text{ cu ft} = 77.8 \text{ cu yd} = 97.3 \text{ Tons}$

Est. Sludge Quantity B3 = $(\pi) * (25^2) * (10.5) = 20616.7 \text{ cu ft} = 763.6 \text{ cu yd} = 954.5 \text{ Tons}$

Contractor responsibility = B1 = Estimated 137.6 Tons

AFFIDAVIT OF FINANCE DIRECTOR
FOR BILLS AND SALARIES STATEMENT

I, the undersigned, am the duly appointed and acting Finance Director/ Treasurer, in and for the City of Sand Springs, Oklahoma, and upon oath do depose and say that each purchase order listed in the attached statement for bills and salaries was itemized in detail, verified and filed for allowance with the amount shown thereon pursuant to the Statutes of the State of Oklahoma and requirements of the Charter and Ordinances of the City of Sand Springs, Oklahoma: that each purchase order has indicated thereon that all items have been delivered and/or the services have been rendered and that each purchase and contract was made pursuant to all applicable law and the Charter and Ordinances of the City of Sand Springs, Oklahoma, so help me God.

Kelly A Lamberson

Kelly A. Lamberson
Finance Director / City Treasurer

Subscribed and sworn to before me this 17th day of

December .20 16 .

Janice L Almy

Notary Public



My Commission Expires _____

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

710 M A STORMWATER FUND

STORM WATER

170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	349.50
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	196.00
STORM WATER MAINTENANCE TOTAL			545.50

GRAND TOTAL FOR FUND	\$545.50
-----------------------------	-----------------

720 M A WATER UTILITY FUND

001615	AMERICAN FIDELITY ASSURANCE	AMF SUPPLEMENTAL-DEC2016	403.85
001504	BANK OF AMERICA	BRENNTAG SOUTHWEST	2,600.88
001505	BANK OF AMERICA	BRENNTAG SOUTHWEST	3,340.50
001506	BANK OF AMERICA	BRENNTAG SOUTHWEST	587.40
001507	BANK OF AMERICA	BRENNTAG SOUTHWEST	955.63
001510	BANK OF AMERICA	BRENNTAG SOUTHWEST	803.38
001611	FLEX ACCOUNT ADMINISTRATION	FLEX SPNDING CONT-DEC2016	839.15
PI2349	HD SUPPLY WATERWORKS, LTD	2X7-1/2 CLAMP-SS FULL CIR	2,650.00
001492	NEOFUNDS BY NEOPOST	POSTAGE	134.58
PR1110	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	36.18
PR1123	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	36.18
PI2588	UTILITY SUPPLY CO INC	3/4" BA43-232NANGLE MTOR	2,605.94
TOTAL			14,993.67

PUBLIC WORKS

170627	ADMIRAL EXPRESS INC	FOLDERS, CALENDARS, ETC	87.09
170627	ADMIRAL EXPRESS INC	CARDSTOCK	19.65
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	14.17
001430	COX COMMUNICATIONS CENTRAL II INC	COX	111.80
001602	COX COMMUNICATIONS CENTRAL II INC	COX	2,808.17
001604	COX COMMUNICATIONS CENTRAL II INC	COX	107.46
161335	CRAWFORD & ASSOCIATES PC	FY16 AUDIT & FINANCIAL CO	5,668.75
170322	FIRETROL PROTECTIONS SYSTEMS INC	ANNUAL FIRE ALARM INSP	196.00

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

170554	INDUSTRIAL MAINTENANCE SUPPLY INC	IND DUST MOP HEAD	10.50
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	5,103.25
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	384.99
001581	OKLAHOMA NATURAL GAS	ONG	41.35
001582	OKLAHOMA NATURAL GAS	ONG	40.64
170651	OKLAHOMA ONE CALL SYSTEMS INC	2017 MBER SRVCS CORE FEE	676.87
170588	PAPA PAT'S PORTABLE PARTIES	PWAC - NOV. 8TH, 2016	120.00
001449	VERIZON WIRELESS	VERIZON	40.01
PUBLIC WORKS ADMINISTRATION TOTAL			15,430.70

WATER

001476	AMERICAN ELECTRIC POWER	AEP MASTER BILL	34.43
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	12.68
001587	OKLAHOMA NATURAL GAS	ONG	41.26
170104	PORTA JOHN CO INC	MON RENT POTS - SHELL CRK	82.50
170285	PRECISION LAWN CARE OF TULSA LLC	CITYWIDE MOWING SRVCS	100.00
WATER LAKE CARETAKER TOTAL			270.87

001432	AMERICAN ELECTRIC POWER	AEP-SKIATOOK WTR SYSTEMS	6,441.88
001474	AMERICAN ELECTRIC POWER	AEP MASTER BILL	30.97
170607	OSAGE CO RURAL WATER DIST #15	PROJECTED CONDUIT USAGE	14,628.00
170285	PRECISION LAWN CARE OF TULSA LLC	CITYWIDE MOWING SRVCS	275.00
151399	TETRA TECH INC	36" PLINE FITTINGS ASSMNT	1,217.50
170293	TETRA TECH INC	O&M SKIATOOK RAW WTR SYST	12,509.65
170628	USACE FINANCE CENTER	WATER STORAGE-O&M GF	10,954.54
001435	VERDIGRIS VALLEY ELECT CO-OP	VERDIGRIS VALLEY	18.95
001451	VERIZON WIRELESS	VERIZON	24.05
WATER SKIATOOK WATER SYSTEM TOTAL			46,100.54

170544	ACCURATE ENVIRONMENTAL LLC	DPD FREE CHLORINE RGT PWD	1,329.53
001475	AMERICAN ELECTRIC POWER	AEP MASTER BILL	19,049.86
170011	ATWOODS-SAND SPRINGS	GLOVES VET NITRILE XL	19.98
170011	ATWOODS-SAND SPRINGS	FLOOR SCRUB	8.99
170011	ATWOODS-SAND SPRINGS	HOSE ADAPTER SWVL	5.78
170011	ATWOODS-SAND SPRINGS	PADLOCK	12.99
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	12.68
170242	HACH CO	ANN INSP & COLLAB/\$455 CR	3,129.00
170242	HACH CO	GEAR MOTOR ASSY,CLRMTR AS	634.00
170078	HAWKINS INC	CHEMICALS FOR WTR TRMNT	4,323.73
170078	HAWKINS INC	CHEMICALS FOR WTR TRMNT	4,297.42

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

170078	HAWKINS INC	CHEMICALS FOR WTR TRMNT	5,419.93
170630	HOME DEPOT CREDIT SERVICES	432 PC MECHANICS TOOL SET	378.85
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	2,415.50
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	4,204.51
001585	OKLAHOMA NATURAL GAS	ONG	62.29
001586	OKLAHOMA NATURAL GAS	ONG	216.12
170105	PREFERRED BUSINESS SYSTEMS LLC	CANON BASE	37.50
170124	SCHUERMANN ENTERPRISES INC	WTP MAIN CONT-PLNT RECOVE	667.02
	WATER TREATMENT TOTAL		46,225.68
001623	A T & T	AT&T	172.96
001473	AMERICAN ELECTRIC POWER	AEP MASTER BILL	2,509.71
170011	ATWOODS-SAND SPRINGS	MUCKMASTER GOLD BOOT	299.97
170011	ATWOODS-SAND SPRINGS	WATER KEY 36 INCH	32.97
170011	ATWOODS-SAND SPRINGS	STA-BIL FUEL STABILIZER	9.98
001561	BANK OF AMERICA	LOWES #02756	177.25
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	55.35
001626	CITY OF TULSA	CITY OF TULSA	660.94
170558	DEPT OF ENVIRONMENTAL QUALITY	OPER EXAM APP-B.GREENWOOD	62.00
170561	DEPT OF ENVIRONMENTAL QUALITY	OP EXAM APP=C STEPHENS	62.00
170639	DEPT OF ENVIRONMENTAL QUALITY	DEQ PERMIT-41ST & MAPLE	105.29
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.09.16	582.00
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.16.16	603.83
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.23.16	582.00
170071	FASTENAL	12-24X2-3/4FPH TK4 W	56.22
170071	FASTENAL	14X3-1/4 6LB FHSD SR MR	102.85
170071	FASTENAL	2-3/4" KNT CUP BRUSH	16.04
170071	FASTENAL	1/2" NYLON TUBE BRUSH	5.03
170322	FIRETROL PROTECTIONS SYSTEMS INC	ANNUAL FIRE ALARM INSP	98.00
170457	GARLAND'S BACKHOE SERVICE INC	BEDDING SAND	700.00
001605	H&E ENGINEERED EQUIPMENT CO INC	H&E ENGINEERED EQUIP	11.18
170542	NORTHERN TOOL & EQUIPMENT CO	1/2" RATCHET, SPUD WRENCH	971.87
170096	OCT EQUIPMENT LLC	MOVE RENTAL UNIT TO NEWJO	175.00
170096	OCT EQUIPMENT LLC	EXCAVATOR RNTAL9.30-10.06	1,903.80
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	4,644.25
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	6,071.93
001583	OKLAHOMA NATURAL GAS	ONG	74.22
001584	OKLAHOMA NATURAL GAS	ONG	20.32
170116	SAND SPRINGS BUILDING SUPPLY	2" X 8" X 20' GRND CONTACT	616.17
170116	SAND SPRINGS BUILDING SUPPLY	2" X 6"X20' ACQ ABOVE GRN	71.77
170566	SCHUERMANN ENTERPRISES INC	REPLCMNET TOUCHSCREEN	1,533.60
170124	SCHUERMANN ENTERPRISES INC	RPLC BLWN PWR SUPPLY	670.00
170579	USA BLUE BOOK	HOSE BIB TRANSMITTER KIT	729.96
001434	VERDIGRIS VALLEY ELECT CO-OP	VERDIGRIS VALLEY	356.12

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

001627	VERDIGRIS VALLEY ELECT CO-OP	VVEC	67.82
001450	VERIZON WIRELESS	VERIZON	160.04
001619	WATER IMPROVEMENT DIST #14	WTR IMPROV DIST #14	2,246.88
170172	YELLOWHOUSE MACHINERY CO	RENTAL AND HAULING CHRGS	685.00
170172	YELLOWHOUSE MACHINERY CO	JOHN DEERE RENTAL	1,641.50
WATER WATER MAINT & OPERATIONS TOTAL			29,545.82

ENGINEERING

170627	ADMIRAL EXPRESS INC	FOLDERS, CALENDARS, ETC	48.07
001562	BANK OF AMERICA	BATTERIES PLUS #95	27.80
170063	DRAKE SYSTEMS, INC	BASE RATE AND OVERAGE	487.84
170071	FASTENAL	SDS 3/16" X 6 1/2 GAL	15.29
170580	INNOVYZE INC	H2ONET ANNUAL SOFTWARE	1,600.00
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	3,610.75
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	120.00
001454	VERIZON WIRELESS	VERIZON	40.01
ENGINEERING ADMINISTRATION TOTAL			5,949.76

SERVICE

001523	BANK OF AMERICA	WW GRAINGER	-129.47
001528	BANK OF AMERICA	WW GRAINGER	129.47
001531	BANK OF AMERICA	CHATEAU PRODUCTS	549.00
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.30.16	1,143.45
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 11.06.16	1,216.60
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.09.16	1,235.93
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.16.16	1,054.90
170070	EXPRESS SERVICES INC	TEMP LABOR W/E 10.23.16	1,212.75
170360	NETWORKFLEET, INC	MONTHLY SRV - OCT 2016	94.75
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	3,036.50
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	251.99
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.30.16	546.00
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 11.06.16	436.80
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.02.16	546.00
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.09.16	546.00
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.16.16	375.38
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.23.16	546.00
170140	SUNGARD PUBLIC SECTOR INC	MAINT - DEC. 2016	3,851.15

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

170148	TPSI	UTILITY BILLING/MAILING S	2,130.91
170150	TRANSWORLD SYSTEMS INC	UTILITY BILLING COLLECTIO	387.00
170150	TRANSWORLD SYSTEMS INC	UTILITY BILL COLLECTIONS	113.87
170150	TRANSWORLD SYSTEMS INC	UTILITY BILL COLLECTIONS	392.44
001628	VERDIGRIS VALLEY ELECT CO-OP	VVEC	63.72
001455	VERIZON WIRELESS	VERIZON	80.02
SERVICE CUSTOMER SERVICE TOTAL			19,811.16

GRAND TOTAL FOR FUND	\$178,328.20
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730 M A WW UTILITY FUND

001616	AMERICAN FIDELITY ASSURANCE	AMF SUPPLEMENTAL-DEC2016	634.21
001612	FLEX ACCOUNT ADMINISTRATION	FLEX SPNDING CONT-DEC2016	291.66
PR1110	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	8.37
PR1123	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	8.37
TOTAL			942.61

WASTEWATER

170069	EVOQUA WATER TECHNOLOGIES LLC	ENV COMP - MIXBED FLT POT	192.97
170069	EVOQUA WATER TECHNOLOGIES LLC	ENV COMP - REACT CARBON	424.49
170071	FASTENAL	520' WHT ROLL TOWELS	95.32
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	1,517.25
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	60.00
170151	TULSA CITY COUNTY HEALTH DEPT	COLIFORM TESTING	48.00
WASTEWATER EVIRONMENTAL COMPLIANCE TOTAL			2,338.03

001477	AMERICAN ELECTRIC POWER	AEP MASTER BILL	28.37
001478	AMERICAN ELECTRIC POWER	AEP MASTER BILL	2,374.98
170011	ATWOODS-SAND SPRINGS	1/4 IN M NPT 1/4IN NIPPLE	36.94
170011	ATWOODS-SAND SPRINGS	CULTIVATOR	9.99
170011	ATWOODS-SAND SPRINGS	CHAIN, #14	2.07
170011	ATWOODS-SAND SPRINGS	V6 X-HWY PULL IN	4.29
170011	ATWOODS-SAND SPRINGS	60IN STEEL REPL. HNDL	9.98
170011	ATWOODS-SAND SPRINGS	FUEL FILTER	33.98

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

170071	FASTENAL	LG 5ML NAT LTX GLOVES	12.99
170071	FASTENAL	520' WHT ROLL TOWELS	95.32
170071	FASTENAL	28" SAFETY CONE REFL	640.55
170071	FASTENAL	HCS 5/8-11X4 G5 Z	10.15
170567	KEY EQUIPMENT & SUPPLY CO	CHANGE SEALS-ROVER CAM&SE	254.50
170101	O'REILLY AUTO PARTS - S.S.	7 WAY ADAPTER	19.99
170101	O'REILLY AUTO PARTS - S.S.	OIL FILTER	11.73
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	3,929.50
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	4,052.00
001588	OKLAHOMA NATURAL GAS	ONG	90.72
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.02.16	588.00
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.09.16	588.00
170202	OKLAHOMA STAFFING SPECIALISTS, LLC	TEMP LABOR W/E 10.16.16	360.15
170116	SAND SPRINGS BUILDING SUPPLY	2"X12"X16' DOUG FIR #2	49.68
170124	SCHUERMANN ENTERPRISES INC	WWTP MAIN CON-AUG2016	110.00
001452	VERIZON WIRELESS	VERIZON	120.03
WASTEWATER MAINTENANCE & OPERATIONS TOTAL			13,433.91

001479	AMERICAN ELECTRIC POWER	AEP MASTER BILL	2,120.99
170011	ATWOODS-SAND SPRINGS	DIESEL CAN 5 GAL	89.97
170011	ATWOODS-SAND SPRINGS	BUSHING - 1" X 3/4	5.58
001515	BANK OF AMERICA	STAN CARDER PLUMBING INC	290.00
001597	CENTER POINT ENERGY SERVICES INC	CENTER POINT	38.18
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	40.38
170071	FASTENAL	520' WHT ROLL TOWEL	190.64
170071	FASTENAL	8.8X11 85-SHEET TOWEL ROL	1.16
170475	FORT BEND SERVICES INC	NET TOTE - POLYMER	7,268.00
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	2,409.75
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	2,342.08
001589	OKLAHOMA NATURAL GAS	ONG	246.14
170124	SCHUERMANN ENTERPRISES INC	RPLD RADIO&BATT @ LOST CI	3,580.16
170160	UNITED RENTALS	COMPRESSOR	124.62
WASTEWATER TREATMENT TOTAL			18,747.65

GRAND TOTAL FOR FUND	\$35,462.20
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740 M A SW UTILITY FUND

001617	AMERICAN FIDELITY ASSURANCE	AMF SUPPLEMENTAL-DEC2016	319.60
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**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

001613	FLEX ACCOUNT ADMINISTRATION	FLEX SPNDING CONT-DEC2016	124.99
PR1110	LONNIE D ECK CHAPTER 13 TRUSTEE	R WILSON	756.00
PR1123	LONNIE D ECK CHAPTER 13 TRUSTEE	15-10588-M R WILSON	756.00
PR1110	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	2.00
PR1123	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	2.00
TOTAL			1,960.59

SOLID WASTE

001563	BANK OF AMERICA	WM SUPERCENTER #838	62.34
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	12.68
170203	COVANTA TULSA RENEWABLE ENERGY	MUNICIPAL SOLID WASTE DIS	1,524.74
170101	O'REILLY AUTO PARTS - S.S.	ABSORBENT	32.45
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	1,054.00
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	2,174.18
001591	OKLAHOMA NATURAL GAS	ONG	13.82
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 11.06.16	527.72
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E	414.40
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.02.16	621.60
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.09.16	518.00
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.16.16	518.00
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.23.16	621.60
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.30.16	518.00
170167	WASTE MANAGEMENT OF OKLAHOMA INC	LANDFILL DUMPING CHARGES	228.90
170601	WILLIAMS REFUSE EQUIP CO INC	AXLE CAPS AND HINGES	128.00
SOLID WASTE COMMERCIAL TOTAL			8,970.43

170627	ADMIRAL EXPRESS INC	FOLDERS, CALENDARS, ETC	7.30
170012	AUTOZONE	32TO1 2-CYCLE OIL	18.28
170539	BACON ROYALTIES LLC	TITLE RESEARCH-SUPERFUND	360.00
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	12.68
170203	COVANTA TULSA RENEWABLE ENERGY	MUNICIPAL SOLID WASTE DIS	2,959.78
170412	CUSTOM MANUFACTURING INC	6-YARD REAR LOAD CONTAINERS	3,380.05
170322	FIRETROL PROTECTIONS SYSTEMS INC	ANNUAL FIRE ALARM INSP	196.00
170101	O'REILLY AUTO PARTS - S.S.	32OZ CLEANER	52.96
170101	O'REILLY AUTO PARTS - S.S.	OIL EATER	13.99
170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	2,886.50
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	3,656.78
001590	OKLAHOMA NATURAL GAS	ONG	26.80
170123	SCHAEFER TIRE INC	MNT & DISMNT - UNIT 308	170.00
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 11.06.16	621.61

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E	414.40
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.02.16	518.00
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.09.16	1,016.58
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.16.16	1,036.00
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.23.16	621.60
170135	STAND BY PERSONNEL OF OK INC	TEMP LABOR W/E 10.30.16	932.40
170537	STELLE & ASSOC INC	VENT MONITORING-NOV 2016	1,550.00
170586	TULSA GAS TECHNOLOGIES INC	P-36 FILL RECEPTICAL WITH	426.63
001453	VERIZON WIRELESS	VERIZON	40.01
170167	WASTE MANAGEMENT OF OKLAHOMA INC	LANDFILL DUMPING CHARGES	444.35
170601	WILLIAMS REFUSE EQUIP CO INC	AXLE CAPS AND HINGES	1,498.78
	SOLID WASTE RESIDENTIAL TOTAL		22,861.48

GRAND TOTAL FOR FUND	\$33,792.50
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760 M A AIRPORT FUND

001618	AMERICAN FIDELITY ASSURANCE	AMF SUPPLEMENTAL-DEC2016	27.36
001509	BANK OF AMERICA	SPORTY'S CAT 8005484645	193.61
PR1110	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	19.12
PR1123	TULSA AREA UNITED WAY INC	PAYROLL SUMMARY	19.12
	TOTAL		259.21

AIRPORT

170029	AIR SOLUTIONS HEATING & COOLING	INDUCED DRAFT MOTOR REPAI	532.00
001480	AMERICAN ELECTRIC POWER	AEP MASTER BILL	695.47
001481	AMERICAN ELECTRIC POWER	AEP MASTER BILL	329.13
001482	AMERICAN ELECTRIC POWER	AEP MASTER BILL	70.55
001514	BANK OF AMERICA	DURHAM SUPPLY-TULSA	21.25
170577	BLUEGLOBES LLC	COUPLING UP FIXTURES	649.13
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	12.68
170068	ENVIRO-TEC AMERICA INC	OCT 2016 SIR	15.00
170578	GRAINGER INC	POLYPROPYLENE ROPE	270.46
170089	LUBER BROTHERS, INC	PULLEY, IDLER	455.94
170089	LUBER BROTHERS, INC	SPINDLE ASSY	1,023.98

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

170185	OKLAHOMA MUNICIPAL ASSURANCE GROUP	3RD QTR WORK COMP	757.25
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	132.00
170285	PRECISION LAWN CARE OF TULSA LLC	CITYWIDE MOWING SRVCS	2,790.00
170166	WAREHOUSE MARKET	MISC PURCHASES FOR RESALE	89.18
170614	WING AERO PRODUCTS INC	AIR CLASSICS FLEX BOOM	529.00
	AIRPORT OPERATIONS TOTAL		8,373.02

GRAND TOTAL FOR FUND	\$8,632.23
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780 M A GOLF COURSE FUND

001508	BANK OF AMERICA	STANLEY CONVERGENT SEC	197.64
	TOTAL		197.64

GOLF COURSE

001484	AMERICAN ELECTRIC POWER	AEP MASTER BILL	630.94
170011	ATWOODS-SAND SPRINGS	ALKALINE BATTERY	27.98
170011	ATWOODS-SAND SPRINGS	T25 TORX POWER BIT	8.08
170011	ATWOODS-SAND SPRINGS	T25 TORX POWER BIT	9.00
170011	ATWOODS-SAND SPRINGS	DUCT TAPE	20.35
170574	EWING IRRIGATION & INDUSTRIAL INC.	4X3 COMBO OUTLET	354.41
170550	HARRELL'S LLC	EARTHMAX	14,999.95
170551	HARRELL'S LLC	ECHELON 4 SC	4,018.00
170101	O'REILLY AUTO PARTS - S.S.	PWR RTD BELT	28.14
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	100.00
170104	PORTA JOHN CO INC	MON RENT POTS - GOLF COUR	82.50
170122	SAND SPRINGS SAND & GRAVEL INC	PEA GRAVEL & SAND	645.07
170146	TIMMONS OIL CO INC	700 UNLEADED,180RD DIESEL	1,934.49
170549	WINFIELD SOLUTIONS LLC	WF CORNERSTONE PLUS	1,537.90
170549	WINFIELD SOLUTIONS LLC	BAYER FAIRY RING PAK,PYTH	17,100.00
	GOLF COURSE MAINTENANCE TOTAL		41,496.81

001483	AMERICAN ELECTRIC POWER	AEP MASTER BILL	1,028.70
170129	CHARLES PEST CONTROL INC	MON PEST CNTRL SRVCS-NOV	12.68
170256	OKLAHOMA MUNICIPAL ASSURANCE GROUP	GEN LIABILITY & AUTO	70.50

**CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY BILLS**

12/12/2016

001592 OKLAHOMA NATURAL GAS	ONG	148.44
GOLF COURSE PRO TOTAL		1,260.32

GRAND TOTAL FOR FUND	\$42,954.77
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GRAND TOTAL	\$299,715.40
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CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY COUNCIL BILLS
WIRE TRANSFERS

12/12/2016

FUND 710 M A Stormwater Fund

12/6/2016 JE778	Vision-Dec Premium	\$	7.72
12/2/2016 JE765	Federal Tax p/d 12/2/16 Public Works		18.36
12/2/2016 JE768	Payroll p/d 12/2/16 Stipend-Public Works		106.02
12/2/2016 JE771	OMRF p/d 12/2/16		14.40
12/2/2016 JE773	Health Premium-Dec		556.39
11/23/2016 JE726	Payroll p/d 11/23/16 Public Works		765.08
11/23/2016 JE730	OMRF p/d 11/23/16		134.09
11/23/2016 JE733	Federal Tax p/d 11/23/16 Public Works		256.58
11/23/2016 JE735	State Tax p/d 11/23/16 Public Works		32.52
11/21/2016 JE723	Delta Dental-Dec Premium		25.84
11/10/2016 JE682	Vision-Nov Premium		7.72
11/10/2016 JE694	Federal Tax p/d 11/10/16 Public Works		256.59
11/10/2016 JE697	Payroll p/d 11/10/16 Public Works		765.09
11/10/2016 JE701	OMRF p/d 11/10/16		134.09
11/10/2016 JE703	State Tax p/d 11/10/16 Public Works		32.52
	FUND TOTAL	\$	3,113.01

FUND 720 M A Water Utility Fund

12/6/2016 JE778	Vision-Dec Premium	\$	184.49
12/2/2016 JE762	State Tax p/d 12/2/16 Public Works		2,272.87
12/2/2016 JE765	Federal Tax p/d 12/2/16 Public Works		17,710.06
12/2/2016 JE768	Payroll p/d 12/2/16 Stipend-Public Works		48,584.21
12/2/2016 JE771	OMRF p/d 12/2/16		8,519.71
12/2/2016 JE773	Health Premium-Dec		30,311.84
11/29/2016 JE743	'12 OWRB Fees		1,750.00
11/29/2016 JE745	'12 SSMA Rev Bd Trust Fee		1,750.00
11/29/2016 JE756	Aflac-Nov Premium		114.28
11/23/2016 JE726	Payroll p/d 11/23/16 Public Works		38,324.85
11/23/2016 JE727	ICMA Roth p/d 11/23/16		50.00
11/23/2016 JE728	ICMA p/d 11/23/16		175.00
11/23/2016 JE729	Nationwide p/d 11/23/16		200.00
11/23/2016 JE730	OMRF p/d 11/23/16		9,039.50
11/23/2016 JE733	Federal Tax p/d 11/23/16 Public Works		13,085.99
11/23/2016 JE735	State Tax p/d 11/23/16 Public Works		1,583.91
11/21/2016 JE723	Delta Dental-Dec Premium		1,726.16
11/10/2016 JE682	Vision-Nov Premium		192.20
11/10/2016 JE694	Federal Tax p/d 11/10/16 Public Works		13,491.53

CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY COUNCIL BILLS
WIRE TRANSFERS

12/12/2016

11/10/2016	JE697	Payroll p/d 11/10/16 Public Works	39,846.82
11/10/2016	JE698	ICMA p/d 11/10/16	175.00
11/10/2016	JE699	ICMA Roth p/d 11/10/16	50.00
11/10/2016	JE700	Nationwide p/d 11/10/16	200.00
11/10/2016	JE701	OMRF p/d 11/10/16	9,339.35
11/10/2016	JE703	State Tax p/d 11/10/16 Public Works	1,603.56
FUND TOTAL			\$ 240,281.33

FUND 730 M A WW Utility Fund

12/6/2016	JE778	Vision-Dec Premium	\$ 75.65
12/2/2016	JE762	State Tax p/d 12/2/16 Public Works	621.40
12/2/2016	JE765	Federal Tax p/d 12/2/16 Public Works	5,308.64
12/2/2016	JE768	Payroll p/d 12/2/16 Stipend-Public Works	14,775.17
12/2/2016	JE771	OMRF p/d 12/2/16	2,397.13
12/2/2016	JE773	Health Premium-Dec	11,576.65
11/29/2016	JE744	'13 Rev Bond Trustee Fee	500.00
11/23/2016	JE726	Payroll p/d 11/23/16 Public Works	16,589.87
11/23/2016	JE728	ICMA p/d 11/23/16	185.00
11/23/2016	JE730	OMRF p/d 11/23/16	3,778.52
11/23/2016	JE733	Federal Tax p/d 11/23/16 Public Works	5,946.23
11/23/2016	JE735	State Tax p/d 11/23/16 Public Works	800.05
11/21/2016	JE723	Delta Dental-Dec Premium	696.08
11/10/2016	JE682	Vision-Nov Premium	75.65
11/10/2016	JE694	Federal Tax p/d 11/10/16 Public Works	5,541.13
11/10/2016	JE697	Payroll p/d 11/10/16 Public Works	15,561.31
11/10/2016	JE698	ICMA p/d 11/10/16	185.00
11/10/2016	JE701	OMRF p/d 11/10/16	3,626.26
11/10/2016	JE703	State Tax p/d 11/10/16 Public Works	739.38
FUND TOTAL			\$ 88,979.12

FUND 740 M A SW Utility Fund

12/6/2016	JE778	Vision-Dec Premium	\$ 127.35
12/2/2016	JE762	State Tax p/d 12/2/16 Public Works	674.14
12/2/2016	JE765	Federal Tax p/d 12/2/16 Public Works	5,092.89
12/2/2016	JE768	Payroll p/d 12/2/16 Stipend-Public Works	14,609.37
12/2/2016	JE771	OMRF p/d 12/2/16	2,663.62
12/2/2016	JE773	Health Premium-Dec	9,014.47

CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY COUNCIL BILLS
WIRE TRANSFERS

12/12/2016

11/23/2016 JE726	Payroll p/d 11/23/16 Public Works	7,195.51
11/23/2016 JE730	OMRF p/d 11/23/16	2,407.87
11/23/2016 JE733	Federal Tax p/d 11/23/16 Public Works	2,596.64
11/23/2016 JE735	State Tax p/d 11/23/16 Public Works	228.16
11/21/2016 JE723	Delta Dental-Dec Premium	438.00
11/10/2016 JE682	Vision-Nov Premium	111.91
11/10/2016 JE694	Federal Tax p/d 11/10/16 Public Works	2,288.56
11/10/2016 JE697	Payroll p/d 11/10/16 Public Works	6,126.77
11/10/2016 JE701	OMRF p/d 11/10/16	2,244.98
11/10/2016 JE703	State Tax p/d 11/10/16 Public Works	198.03
FUND TOTAL		\$ 56,018.27

FUND 760 M A Airport Fund

12/6/2016 JE778	Vision-Dec Premium	\$ 7.72
12/6/2016 JE782	Sales Tax Payable:Nov	19.91
12/2/2016 JE762	State Tax p/d 12/2/16 Public Works	160.32
12/2/2016 JE765	Federal Tax p/d 12/2/16 Public Works	1,202.42
12/2/2016 JE768	Payroll p/d 12/2/16 Stipend-Public Works	3,544.67
12/2/2016 JE771	OMRF p/d 12/2/16	433.55
12/2/2016 JE773	Health Premium-Dec	556.39
11/23/2016 JE726	Payroll p/d 11/23/16 Public Works	1,679.29
11/23/2016 JE730	OMRF p/d 11/23/16	636.39
11/23/2016 JE733	Federal Tax p/d 11/23/16 Public Works	550.73
11/23/2016 JE735	State Tax p/d 11/23/16 Public Works	47.66
11/21/2016 JE723	Delta Dental-Dec Premium	25.84
11/10/2016 JE682	Vision-Nov Premium	7.72
11/10/2016 JE694	Federal Tax p/d 11/10/16 Public Works	550.73
11/10/2016 JE697	Payroll p/d 11/10/16 Public Works	1,679.29
11/10/2016 JE701	OMRF p/d 11/10/16	636.39
11/10/2016 JE703	State Tax p/d 11/10/16 Public Works	47.66
FUND TOTAL		\$ 11,786.68

FUND 780 M A Golf Course Fund

12/6/2016 JE779	Golf Pro Comm Pmt-Nov	\$ 2,446.89
12/6/2016 JE781	Sales Tax Estimate:Dec	500.00
12/6/2016 JE782	Sales Tax Payable:Nov	1,487.51
12/2/2016 JE772	Pro Shop Pmt 11/21-11/29	1,051.82

CITY OF SAND SPRINGS
MUNICIPAL AUTHORITY COUNCIL BILLS
WIRE TRANSFERS

12/12/2016

12/1/2016 JE760	Monthly Commission-Dec	3,000.00
11/23/2016 JE739	Pro Shop Pmt 11/15-11/20	643.49
11/17/2016 JE718	Pro Shop Pmt 11/7-11/14	832.54
11/9/2016 JE668	Pro Shop Pmt 11/2-11/6	1,086.85
	FUND TOTAL	\$ 11,049.10
	GRAND TOTAL	\$ 411,227.51