

**PUBLIC NOTICE OF THE MEETING OF THE
OWASSO CAPITAL IMPROVEMENTS COMMITTEE**

TYPE OF MEETING: Special
DATE: May 19, 2016
TIME: 6:00 PM
PLACE: Owasso Community Center
301 South Cedar, Owasso, Oklahoma

Filed in the office of the Owasso City Clerk and posted on the City Hall Public Notice Bulletin Board at 5:00 p.m. on Monday, May 16, 2016.


Teresa Willson, Information Technology Director

AGENDA

1. Call to Order
2. Consideration and appropriate action relating to the approval of the September 10, 2015 minutes
Teresa Willson
Attachment
3. Consideration and appropriate action relating to a recommendation to place Brookfield Crossing Subdivision Stormwater Improvements on the list of projects eligible to receive Capital Improvement funding
Roger Stevens
Attachment
4. Consideration and appropriate action relating to a recommendation to place CentralPark/Lakeridge Subdivision Stormwater Improvements on the list of projects eligible to receive Capital Improvement funding
Roger Stevens
Attachment
5. Consideration and appropriate action relating to a recommendation to place East 76 Street North and Main Street Intersection Improvements on the list of projects eligible to receive Capital Improvement funding
Roger Stevens
Attachment
6. Consideration and appropriate action relating to a recommendation to place South Sports Park Regional Detention Pond Project on the list of projects eligible to receive Capital Improvement funding

Roger Stevens
Attachment

7. Consideration and appropriate action relating to a recommendation to place Elm Creek Tributary 5A and Rayola Park Stormwater Improvements on the list of projects eligible to receive Capital Improvement funding
Roger Stevens
Attachment
8. Consideration and appropriate action relating to a recommendation to place Garrett Creek/Morrow Place Sewer Assessment Area Sanitary Sewer Improvements on the list of projects eligible to receive Capital Improvement funding
Roger Stevens
Attachment
9. Adjournment

OWASSO CAPITAL IMPROVEMENT COMMITTEE
MINUTES OF MEETING
Thursday, September 10, 2015

The Owasso Capital Improvements Committee met in a special meeting on Thursday, September 10, 2015 at Bailey Ranch Golf Clubhouse, 10105 Lark Bailey Blvd, per the Notice of Public Meeting and Agenda posted on the City Hall bulletin board at 5:00 p.m. on Tuesday, September 1, 2015.

1. **Call to Order** - Teresa Willson, Director of Information Technology, called the meeting to order at 6:02pm. The following committee members were present:

Casey Goodson, Bill Bush, Jeff Davis, Shawn Reiss, Rob Haskins, Warren Lehr, Sherry Bishop, and Linda Jones

The following committee members were not present:
Chris Kelley, Paul Loving, Dirk Thomas, James Hunter, Jason Drake

2. **Approval of minutes for the February 24, 2015 Special Meeting** – Teresa Willson presented the item. Shawn Reiss moved, seconded by Bill Bush to approve the minutes as presented.

YEA: Bush, Davis, Goodson, Reiss, Haskins, Lehr, Bishop, Jones
NAY: None
Motion carried 8-0

3. **Consideration and appropriate action relating to a recommendation to place Garnett Road Widening from East 106 Street North to East 116 Street North on the list of projects eligible to received Capital Improvement funding** – Roger Stevens, Public Works Director, presented the item and discussion was held. Rob Haskins moved, seconded by Shawn Reiss to recommend adding Garnett Road Widening from East 106 Street North to East 116 Street North to the list of projects eligible for Capital Improvement funding.

YEA: Bush, Davis, Goodson, Reiss, Haskins, Lehr, Bishop, Jones
NAY: None
Motion carried 8-0

4. **Consideration and appropriate action relating to a request to place East 106 Street North and North 145 East Avenue Intersection Improvements on the list of projects eligible to receive Capital Improvement funding** – Roger Stevens, Public Works Director, presented the item and discussion was held. Shawn Reiss moved, seconded by Jeff Davis to recommend adding the East 106 Street North and North 145 East Avenue Intersection Improvements to the list of projects eligible for Capital Improvement funding.

YEA: Bush, Davis, Goodson, Reiss, Haskins, Lehr, Bishop, Jones
NAY: None
Motion carried 8-0

5. **Consideration and appropriate action relating to a request to place East 96 Street North and North 145 East Avenue Intersection Improvements on the list of projects eligible to receive Capital Improvement funding** – Roger Stevens, Public Works Director, presented the item and discussion was held. Jeff Davis moved, seconded by Casey Goodson to recommend adding the East 96 Street North and North 145 East Avenue Intersection Improvements to the list of projects eligible for Capital Improvement funding.

YEA: Bush, Davis, Drake, Goodson, Hunter, Reiss, Haskins, Lehr, Bishop, Jones
NAY: None
Motion carried 10-0

6. Adjournment

YEA: Bush, Davis, Goodson, Reiss, Haskins, Lehr, Bishop, Jones
NAY: None
Motion carried 8-0 Meeting adjourned at 6:24 pm

Teresa Willson, IT Director



TO: Capital Improvements Committee
City of Owasso

FROM: Roger Stevens
Public Works Director

SUBJECT: Brookfield Crossing – Stormwater Improvements

DATE: May 13, 2016

BACKGROUND:

The Brookfield Crossing subdivision is located N/W of E 116 St N and Garnett Road Intersection. This residential subdivision was developed in 2001-2002 with City infrastructure being accepted by City Council in January 2003.

Prior to acceptance, Public Works identified several issues with the stormwater conveyance system and detention pond. However, miscommunication between the former Infrastructure Inspector and City Engineer led to the stormwater infrastructure being accepted prematurely. In January 2004, Public Works met with the developer concerning the stormwater issues within Brookfield. At that time, all parties were able to view the certified as-built plans and come to agreement that the stormwater system has faults in the design and the system was not installed as shown in the designed plans.

Shortly thereafter, the developer hired a new engineering consultant (Kellogg Engineering) to analyze, identify, and provide solutions relating to the stormwater deficiencies. The results indicate the stormwater detention facility outfall structure was installed at the incorrect elevation consequently detention capacity isn't adequate for a 100-year storm event. In addition, stormwater piping is inadequate in size and doesn't have proper slope in some areas of the conveyance system causing street and yard flooding on the north and east end of the subdivision during a 2-3 inch rain event.

Since Kellogg Engineering provided a conceptual design in February 2004, the developer has not made any attempt to address these drainage issues within Brookfield Crossing. In addition, the developer has recently informed the City staff that he does not have the funding available to assist with costs related to the identified stormwater deficiencies.

SCOPE OF WORK:

The proposed stormwater improvements would include raising the outfall structure within the detention pond and internal and external stormwater piping upgrade and offsite channel improvements. The estimated construction cost is \$700,000.

FUNDING:

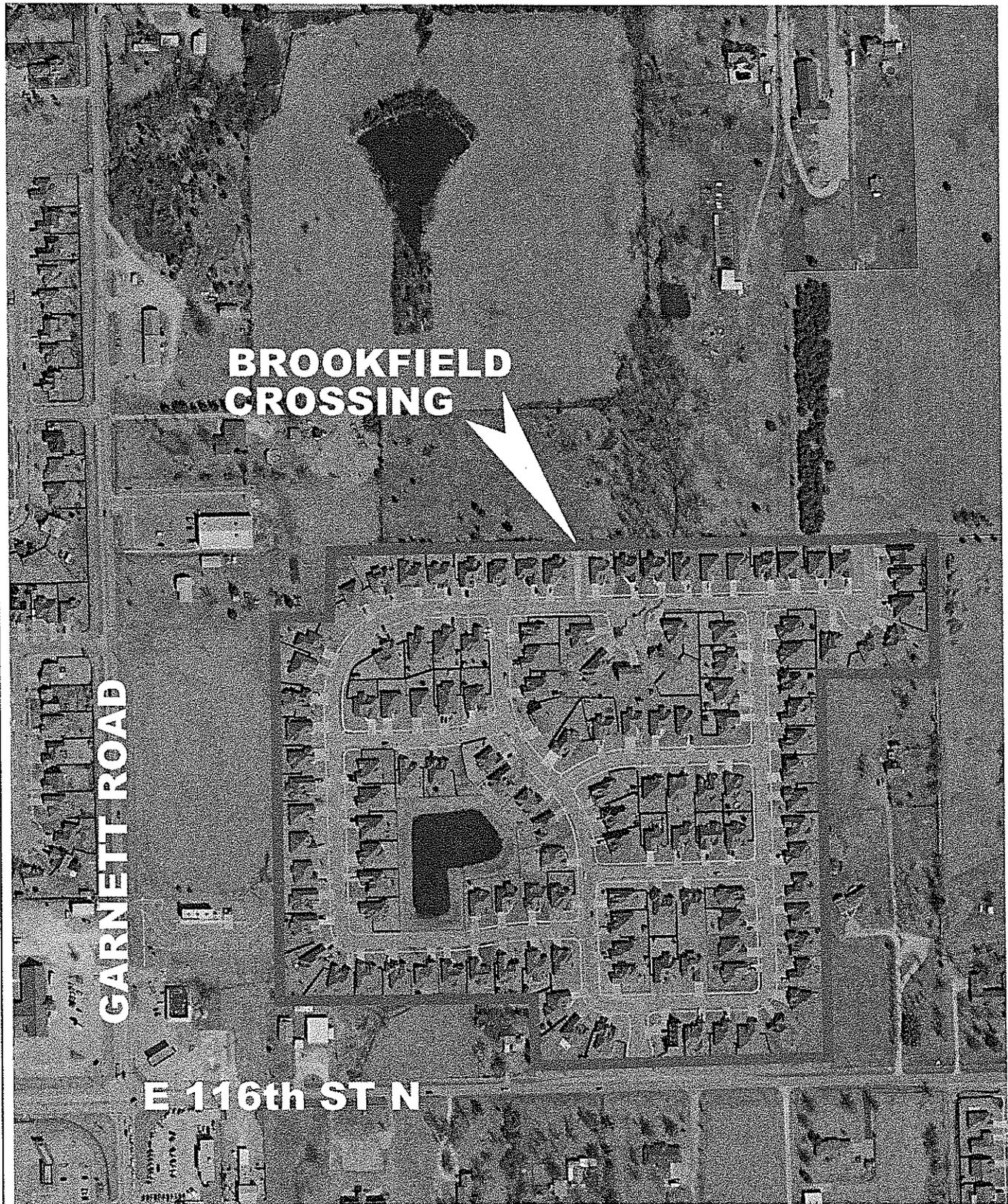
Engineering and design is being funded from the Stormwater Fund. Funding for construction is being proposed through the Capital Improvements Fund.

RECOMMENDATION:

Staff recommends approval to submit a recommendation to the Owasso City Council amending the priority determination to include stormwater improvements within the Brookfield Crossing subdivision.

ATTACHMENTS:

- A. Location Map



**BROOKFIELD
CROSSING**

GARNETT ROAD

E 116th ST N

**BROOKFIELD CROSSING
LOCATION MAP**

CITY OF OWASSO

111 N. Main Street
P.O. Box 180
Owasso, OK 74055



9/30/14

North

918.376.1500

THIS MAP IS FOR INFORMATION PURPOSE ONLY AND IS NOT INTENDED TO REPRESENT AN ACCURATE AND TRUE SCALE. USE OF THIS MAP IS WITHOUT WARRANTY OR REPRESENTATION BY CITY OF OWASSO OF ITS ACCURACY.



TO: Capital Improvements Committee
City of Owasso

FROM: Roger Stevens
Public Works Director

SUBJECT: Central Park/Lakeridge Stormwater Improvements

DATE: May 13, 2016

BACKGROUND:

The Central Park drainage channel is located between East 86th Street North and Owasso Mid-High School. The channel commences northwest of the East 86th Street North/North 123rd East Ave Intersection at the bridge and traverses northwesterly between the commercial property housing State Farm Insurance and Lake Ridge Subdivision. The channel continues toward the new SAHO building and enters the property owned by residents in Central Park II. Lastly, the channel turns into the Owasso Public School property and connects with the Central Park detention pond outlet.

This project was listed as a priority project in the 2005 Master Drainage Plan (MDP). Funds from the stormwater fund were budgeted to provide the initial design survey and engineering design for the project.

SCOPE OF WORK:

The proposed stormwater improvements would include realigning the channel into the existing drainage easement with the use of an articulated concrete structure. The estimated construction cost is \$1.3 million.

FUNDING:

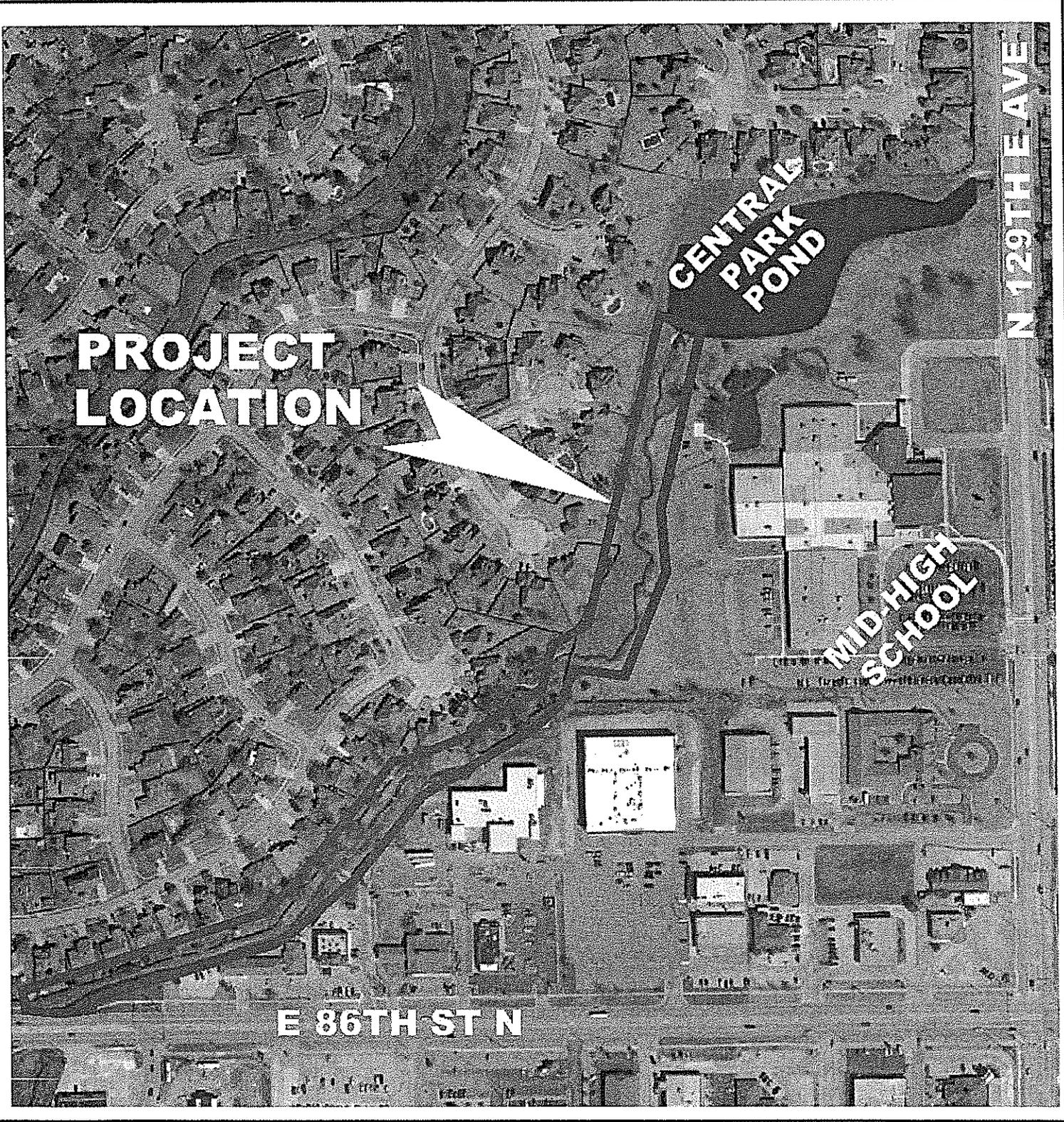
Engineering and design is being funded from the Stormwater Fund. Construction cost is proposed to be funded through the Capital Improvements Fund.

RECOMMENDATION:

Staff recommends approval to submit a recommendation to the Owasso City Council amending the priority determination to include stormwater improvements within the Central Park/Lake Ridge subdivision.

ATTACHMENTS:

Location Map



**PROJECT
LOCATION**

**CENTRAL
PARK
POND**

**MID-HIGH
SCHOOL**

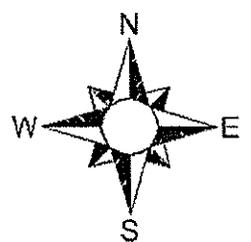
N 129TH E AVE

E 86TH ST N

G:\LOCATION MAPS\Central Park Drainage Channel Project.dwg

CITY OF OWASSO
P.O. 180
Owasso, OK 74055
918.272.4959
www.cityofowasso.com

**CENTRAL PARK
DRAINAGE CHANNEL
PROJECT
LOCATION MAP**



7/7/2015



TO: Capital Improvements Committee
City of Owasso

FROM: Roger Stevens
Public Works Director

SUBJECT: East 76th Street North/Main Street Intersection Improvements

DATE: May 13, 2016

BACKGROUND:

The E 76th St North is a heavily used secondary arterial in the Owasso city limits that conveys residential and commercial traffic through the area, as well as commuter traffic to and from Tulsa. The intersection with Main Street is extremely busy during the business hours and important to the businesses and consumers in the area.

Main Street has and will continue to be focus area in Owasso. The original First Bank of Owasso is located at the southwest corner of the intersection. With the building being converted to the New City Hall, this area will become even busier. The southeastern corner of the intersection has recently been purchased by a developer with new building construction on the horizon.

The Gathering on Main, which is a monthly one-evening festival held for the citizens of Owasso, is celebrating its second birthday. The event is held on Main Street, North of 76th Street North from spring through fall. The Farmers Market, which will also be funded by Vision 2025 and be constructed on Main Street, will increase traffic demand in the area.

SCOPE OF WORK:

The proposed intersection improvements would include stamped brick crosswalks and landscaping, an additional lane to allow for a center-turn lane, relocating water lines under 76th Street North, updating the storm sewer under the intersection and repaving the entire intersection. The estimated project cost is \$1.5 million which includes private utility relocation and construction.

FUNDING:

Funding in the amount of \$1.0 million is included in the Vision 2025 Funds. The remaining balance of approximately \$500,000 is being proposed to be funded through the Capital Improvements Fund.

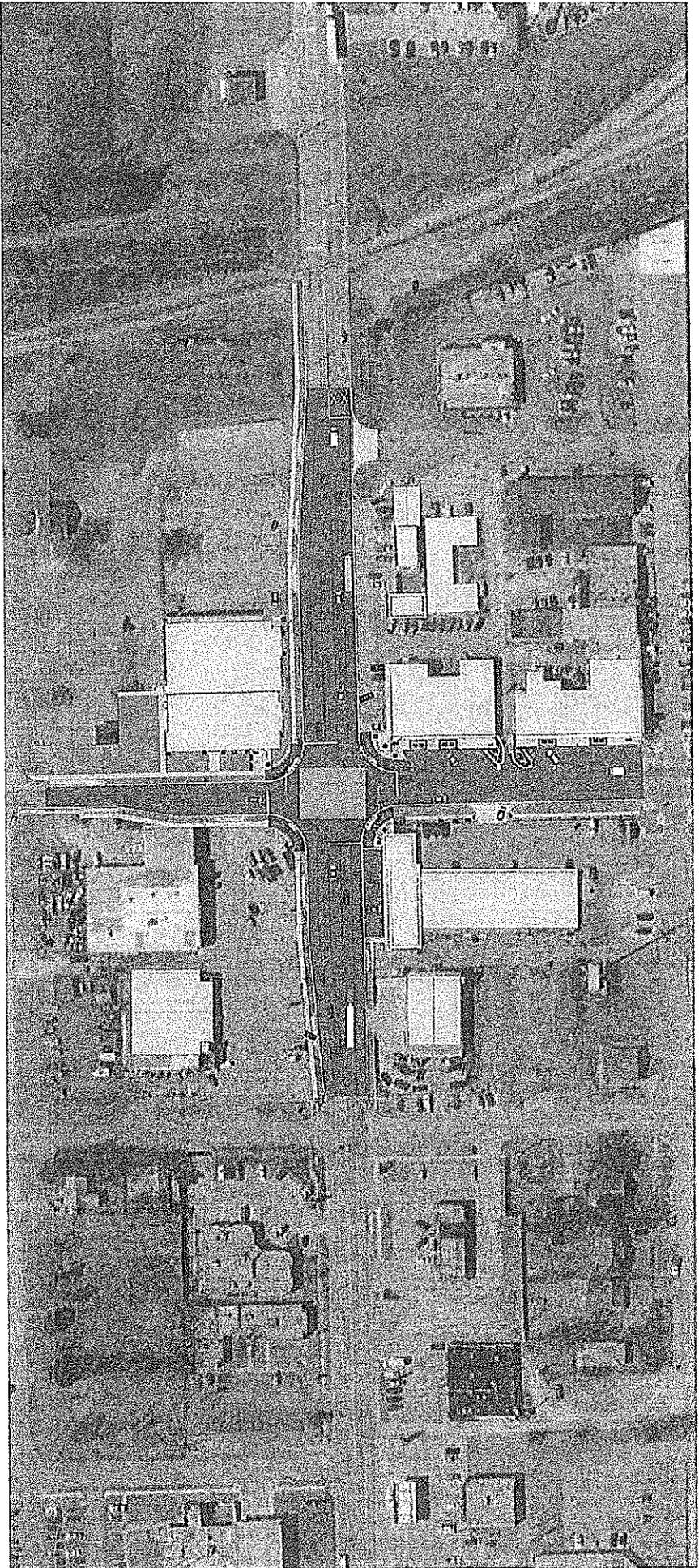
RECOMMENDATION:

Staff recommends approval to submit a recommendation to the Owasso City Council amending the priority determination to include intersection improvements at East 76th Street North and Main Street.

ATTACHMENTS:

Location Map

CONCEPT 2
PLAN



DMARSSO
The City Without Limits.

MCE McCLELLAND
CONSULTING
ENGINEERS, INC.
DESIGN-RESERVE



TO: Capital Improvements Committee
City of Owasso

FROM: Roger Stevens
Public Works Director

SUBJECT: South Sports Park Regional Detention Pond

DATE: May 13, 2016

BACKGROUND:

The South Sports Park is an area that has developed as the North Sports Park has reached playing capacity. It currently houses a few baseball fields, unimproved parking areas and a restroom facility. In addition, the park has a master plan that calls for additional lighted ball fields, paved parking, a splash pad, walking trail and additional soccer fields. Lastly, the park property is also the location for a planned regional detention pond.

Two (2) creeks used to converge on the property near E 106th St N and cause flooding during heavy rain. Both streams are shown to be "blue-lines" on a U.S.G.S. Topography map for the area, which indicates a United States Army Corps of Engineers (USACE) regulated streams. The northern stream drainage comes from Hale Acres Subdivision and the southern stream from Meadowcrest Subdivision. (See exhibit)

However, in the last few years, staff realigned the northern stream, with USACE permission, to flow along the eastern edge of the park and converge with the southern stream on the eastern boundary. As a result, this modification opened up a large area for future growth within the southern section of the sports park.

In 2014, with the Vision 2025 funds becoming available to provide additional amenities to the southern section of the Sports Park and concurrent development of Abbott Farms Subdivision immediately west of the South Sports Park, staff felt a public/private partnership should be attempted to help fund the regional detention pond. With Abbott Farms directly adjacent to the proposed regional detention pond, the developer would have the opportunity to use the regional detention pond. Therefore on-site detention would not be necessary. In return, the developer would provide the cost savings to the City for the engineering and construction of the on-site detention. With this proposal in mind, staff approached the developer of Abbott Farms and has made a tentative agreement to the terms mentioned above.

SCOPE OF WORK:

The proposed dry detention facility will provide stormwater capacity up to a 100-year rain event for Meadowcrest, German Corner, Hale Acres, South Sports Park and Abbott Farms. As mentioned, the detention facility is designed to be dry majority of the time. Therefore, soccer fields will be proposed within the facility providing a multi-purpose function.

FUNDING:

Engineering and design is being funded from the Stormwater Fund. Construction cost is proposed to be funded through the Capital Improvements Fund and by the private sector.

RECCOMENDATION:

Staff recommends approval to submit a recommendation to the Owasso City Council amending the priority determination to include South Sports Park Regional Detention Pond Project.

ATTACHMENTS:

Location Map



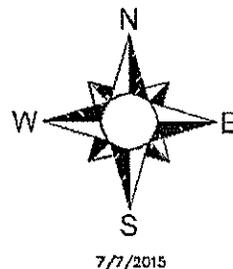
**PROJECT
LOCATION**

MINGO RD

E 106TH ST N

CITY OF OWASSO
 P.O. 180
 Owasso, OK 74055
 918.272.4959
www.cityofowasso.com

**SPORTS PARK SOUTH
 DETENTION POND
 PROJECT
 LOCATION MAP**





TO: Capital Improvements Committee
City of Owasso

FROM: Roger Stevens
Public Works Director

SUBJECT: Elm Creek Tributary 5A and Rayola Park Stormwater Improvements

DATE: May 13, 2016

BACKGROUND:

Elm Creek Tributary 5A

The Elm Creek Tributary 5A provides stormwater conveyance for Tyann Plaza, Lakeridge and Three Lakes subdivision, Original Town and Forest Creek Business Park.

In February 2016, Oklahoma Water Resources Board (OWRB) performed an audit to ensure residential and commercial developments are following the guidelines set forth by the National Flood Insurance Program. The audit outlined needed channel improvements just north of the Forest Creek Business Park to the southern property line in order to convey a 100-year rain event. In addition, OWRB representative requested construction commence within the next two years.

Rayola Park Regional Stormwater Detention Facility

This project was identified as a priority in the 2005 Stormwater Master Plan. The proposed site is located northwest of the YMCA property. Stormwater detention is recommended in order to offset increase in flow rates because of past development occurring upstream.

SCOPE OF WORK:

Elm Creek Tributary 5A

The proposed stormwater channel improvements would include enlarging the channel to increase capacity along with construction of an articulated concrete wall and floor. The estimated construction cost is \$500,000.

Rayola Park Regional Stormwater Detention Facility

The proposed stormwater improvements would provide adequate conveyance and detention for the eastern portion of Ator Heights subdivision and commercial along E 86 St N from HWY 169 to just west of Main Street. The dry detention facility would be a multi-function facility. As with another proposed detention pond, this facility would have the ability to provide sporting activities, as weather permits. The estimated construction cost is \$3.0 million.

FUNDING:

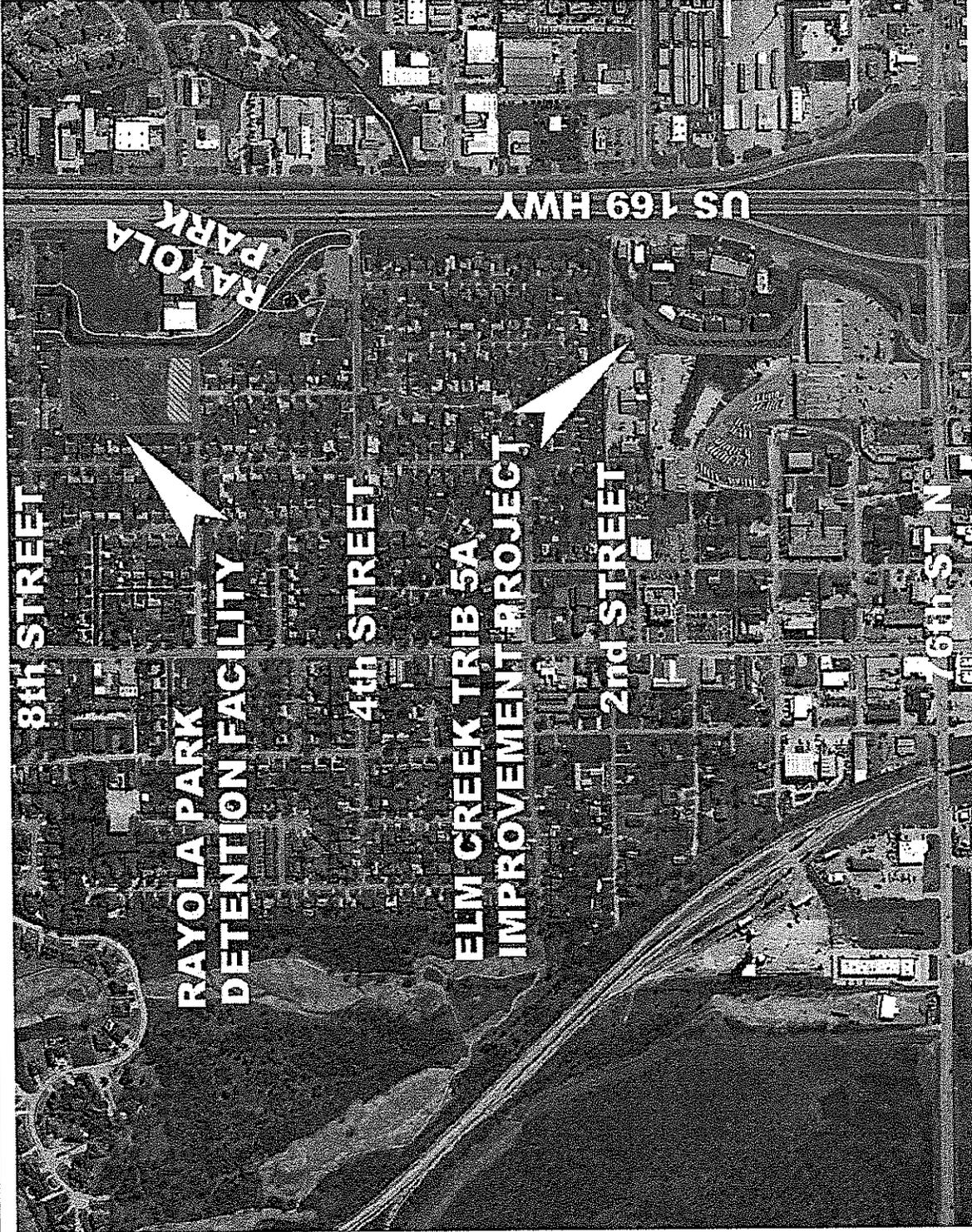
Engineering and design is being funded from the Stormwater Fund. Construction cost is proposed to be funded through the Capital Improvements Fund.

RECOMMENDATION:

Staff recommends approval to submit a recommendation to the Owasso City Council amending the priority determination to include stormwater improvements located within Elm Creek Tributary 5A and Rayola Park.

ATTACHMENTS:

Location Map



CITY OF OWASSO

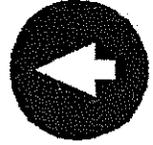
111 N. Main Street
 P.O. Box 180
 Owasso, OK 74055

918.376.1500

**RAYOLA PARK DETENTION FACILITY &
 ELM CREEK TRIBUTARY 5A IMPROVEMENT PROJECT**

 PROJECT LOCATION

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North

4/15/2016



TO: Capital Improvements Committee
City of Owasso

FROM: Roger Stevens
Public Works Director

SUBJECT: Garrett Creek – Morrow Place Sanitary Sewer Improvements

DATE: May 13, 2016

BACKGROUND:

The Garrett Creek lift station and force main was constructed in 2004. The lift station is currently operating at approximately 80% of its rated capacity and provides sewer service to Garrett Creek Residential and Commercial, Rejoice School, Rejoice Church, Walgreens, McDonalds, Taco Bell, Discount Tire, Village and Ace Hardware.

With the development of Morrow Place and other potential development within the area, City of Owasso and Owasso Land Trust have been working on a solution for several years in order to accommodate the sanitary sewer needs for existing and future development from E 106 St N to E 126 St N and HWY 169 to N 129 E Ave. In 2011, Owasso Land Trust took the initiative and hired Kellogg Engineering to begin the study of the basin and determined a new lift station, force main and gravity line is in need in order to accommodate the existing sanitary sewer flows from the Garrett Creek lift station and future estimated sanitary sewer flow within the basin.

The design is near completion and Owasso Land Trust has requested funding assistance for the future capacity of properties not owned by the Owasso Land Trust. The construction of the sanitary sewer improvements is being proposed to be funded through a public/private partnership. In order for the City of Owasso to receive a return on the investment, City Council approved the "Garrett Creek – Morrow Place Sanitary Sewer Assessment Area". Once construction is complete and final invoices have been received, a per-acre assessment fee will be determined and recommended to City Council for review and approval.

SCOPE OF WORK:

The proposed new lift station, gravity sewer and force main improvements would provide sanitary sewer capacity for 760 acres of existing and non-development property. The estimated cost for engineering and construction is \$1.6 million.

FUNDING:

Funding for the improvements would be through the Capital Improvements Fund and private sector.

RECOMMENDATION:

Staff recommends approval to submit a recommendation to the Owasso City Council amending the priority determination to include sanitary sewer improvements with the Garrett Creek/Morrow Place Sewer Assessment Area.

ATTACHMENTS:

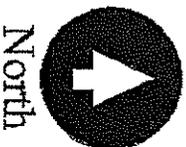
Site Map

CITY OF OWASSO

111 N. Main Street
P.O. Box 180
OWASSO, OK 74055
918.376.1500

GARRETT CREEK
ASSESSMENT AREA
(760.0 ACRES)

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4/18/2016

