

# CITY OF BROKEN ARROW'S RESPONSE TO THE 2019 FLOODS

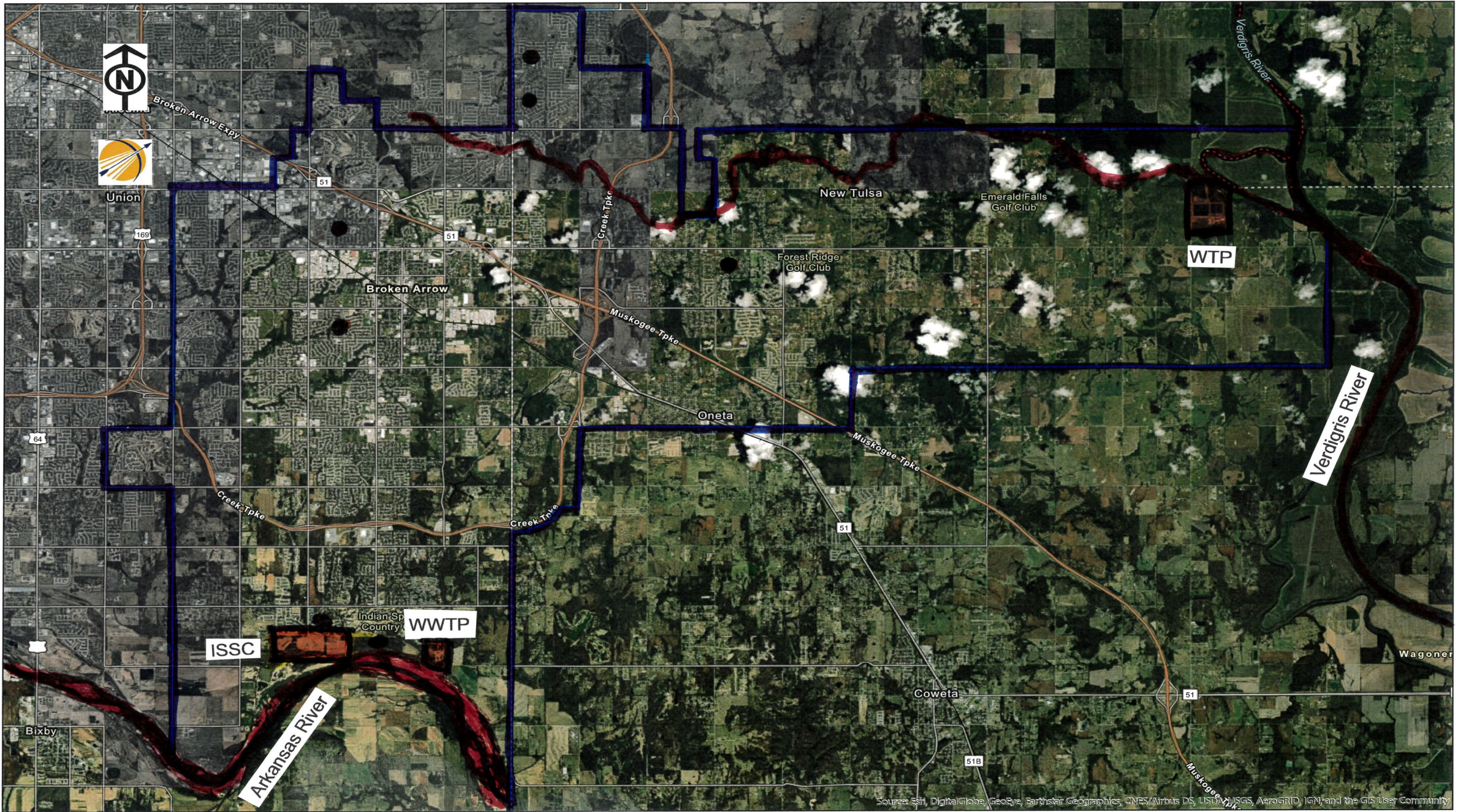
SEPTEMBER 16, 2019

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# EVENTS

- ❑ FLASH FLOODS OF MAY 20, 2019
- ❑ TORNADO MAY 21, 2019
- ❑ TORNADOES MAY 26, 2019
- ❑ SUSTAINED FLOOD EVENT MAY 22, 2019 - JUNE 8, 2019
- ❑ FLASH FLOODS OF JUNE 4-6, 2019





Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



# FLASH FLOODS





# FLASH FLOODS





# FLASH FLOODS





# FLASH FLOODS





# INDIAN SPRINGS SPORTS COMPLEX





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# LYNN LANE WASTEWATER TREATMENT PLANT





# GARNETT ROAD AT NEW ORLEANS





# GARNETT ROAD AT NEW ORLEANS





# WASTEWATER FACILITIES





# WASTEWATER FACILITIES





# WASTEWATER FACILITIES





# INDIAN SPRINGS SUBDIVISION





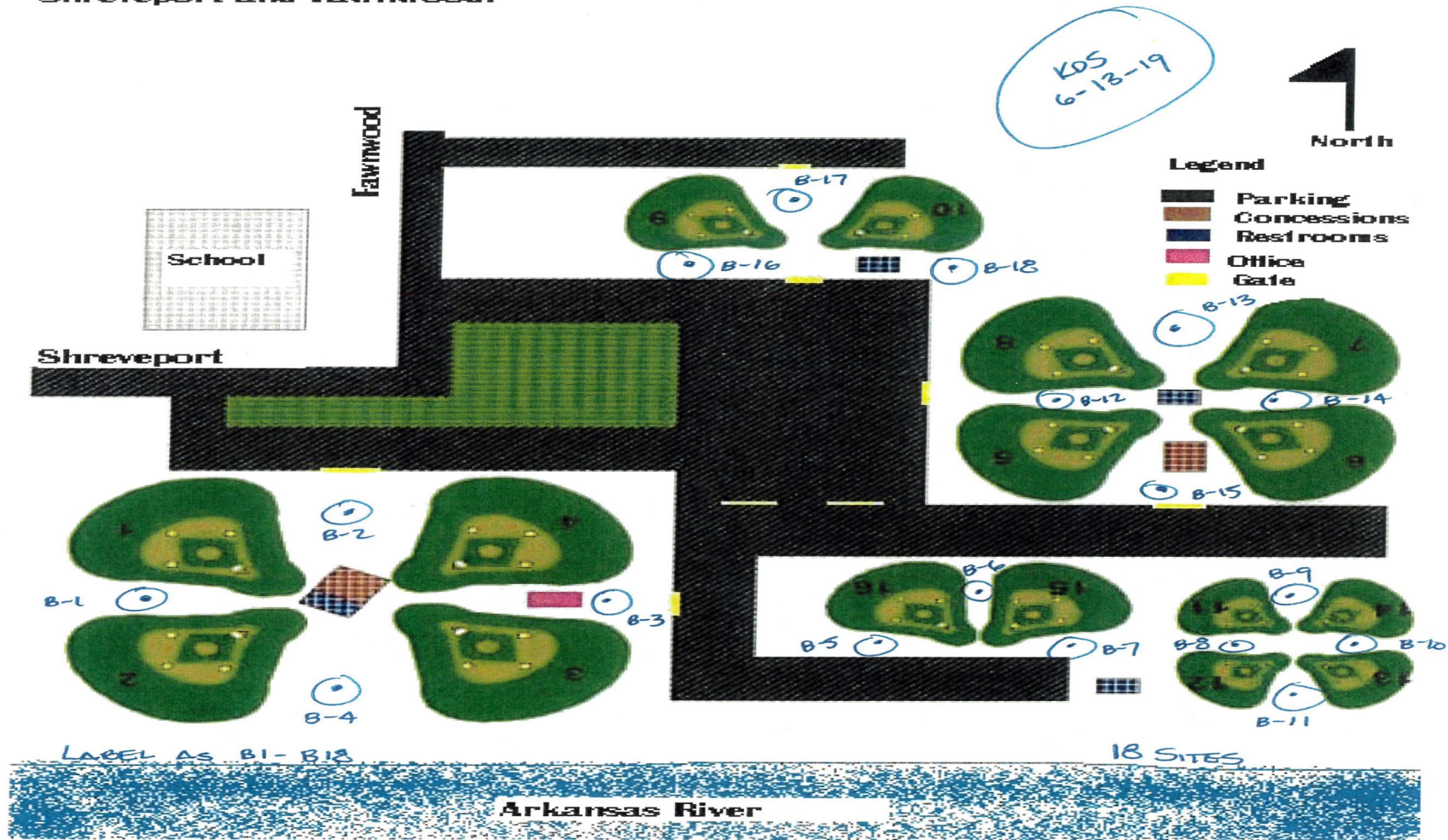
# INDIAN SPRINGS SUBDIVISION





# RESPONSE

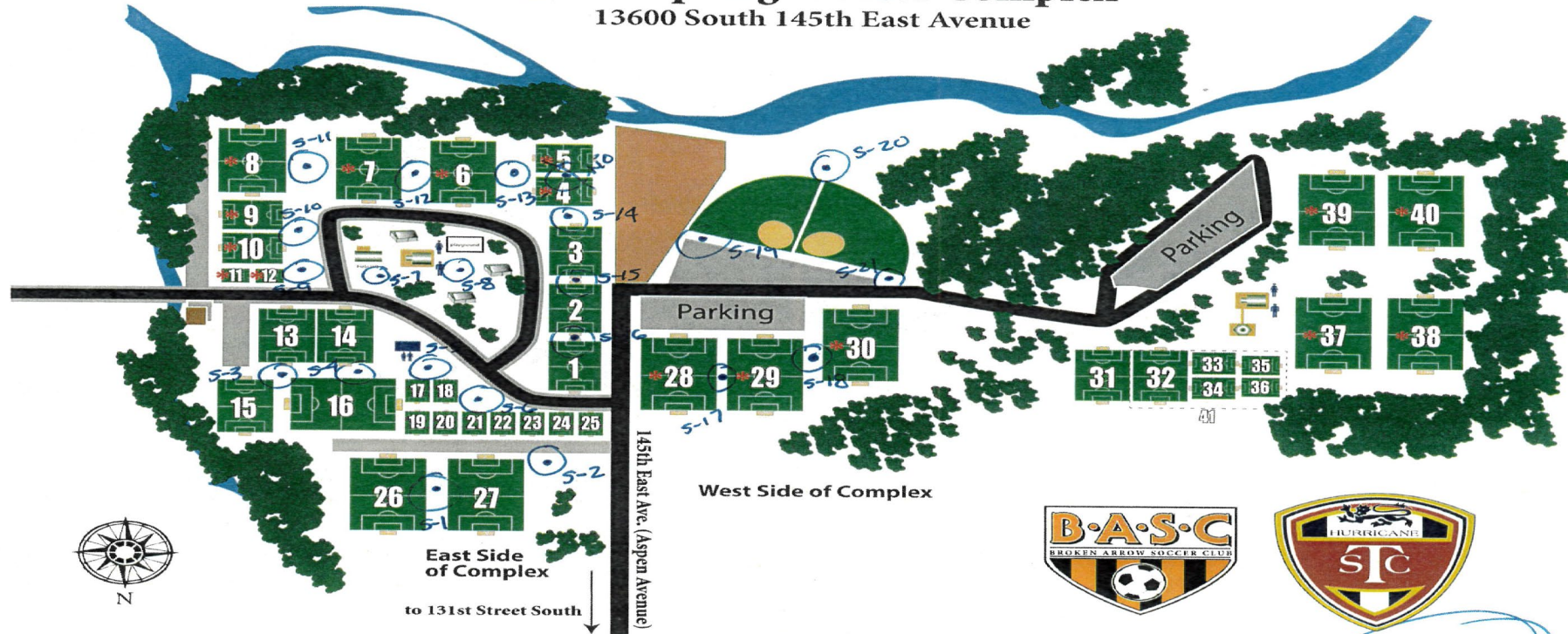
Take Highway 169 to Creek Turnpike (East), Exit at Elm St. (161st), head South to 131st St, turn right (West), go to light and turn left (South) on Aspen, go past apartments and turn left (East) on Shreveport, Ball Park is at intersection of Shreveport and Fawnwood.





# RESPONSE

## Indian Springs Soccer Complex 13600 South 145th East Avenue



**Fields with Lights\*:** 4-12, 28-30, & 37-40

4v4 Fields = 11, 12, 17-25, 35, 36

7v7 Fields = 1, 9, 10, 13, 14, 33, 34

9v9 Fields = 2-5, 15, 26, 31, 32

11v11 Fields = 6-8, 16, 27-30, 37-40, (41)



KOS  
6-13-19

21 SITES



# TEST RESULTS

- ❑ 37 SAMPLES TAKEN AND TESTED
- ❑ 3 SAMPLES GREATER THAN 125 CFU
- ❑ 1 SAMPLE GREATER THAN 200 CFU



# FACILITIES

- ❑ 5 LIFT STATION BYPASSED
  - ❑ 2 DUE TO THE FLASH FLOODS
  - ❑ 3 DUE TO THE SUSTAINED FLOODS
- ❑ WASTEWATER PLANT HAD RESTRICTED DISCHARGE
- ❑ WATER PLANT WAS SECURE



# FLASH FLOODS

- 30 KNOWN PROPERTIES DAMAGED
- SEEKING FEMA GRANTS
- 2018 GENERAL OBLIGATION BOND PROGRAM



# QUESTIONS AND ANSWERS