

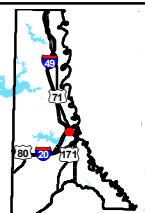
Exhibit K. Hunter Industrial Park Wastewater Infrastructure Map



Hunter Industrial Park Wastewater Infrastructure Map

Hunter Industrial Park
Caddo Parish, LA

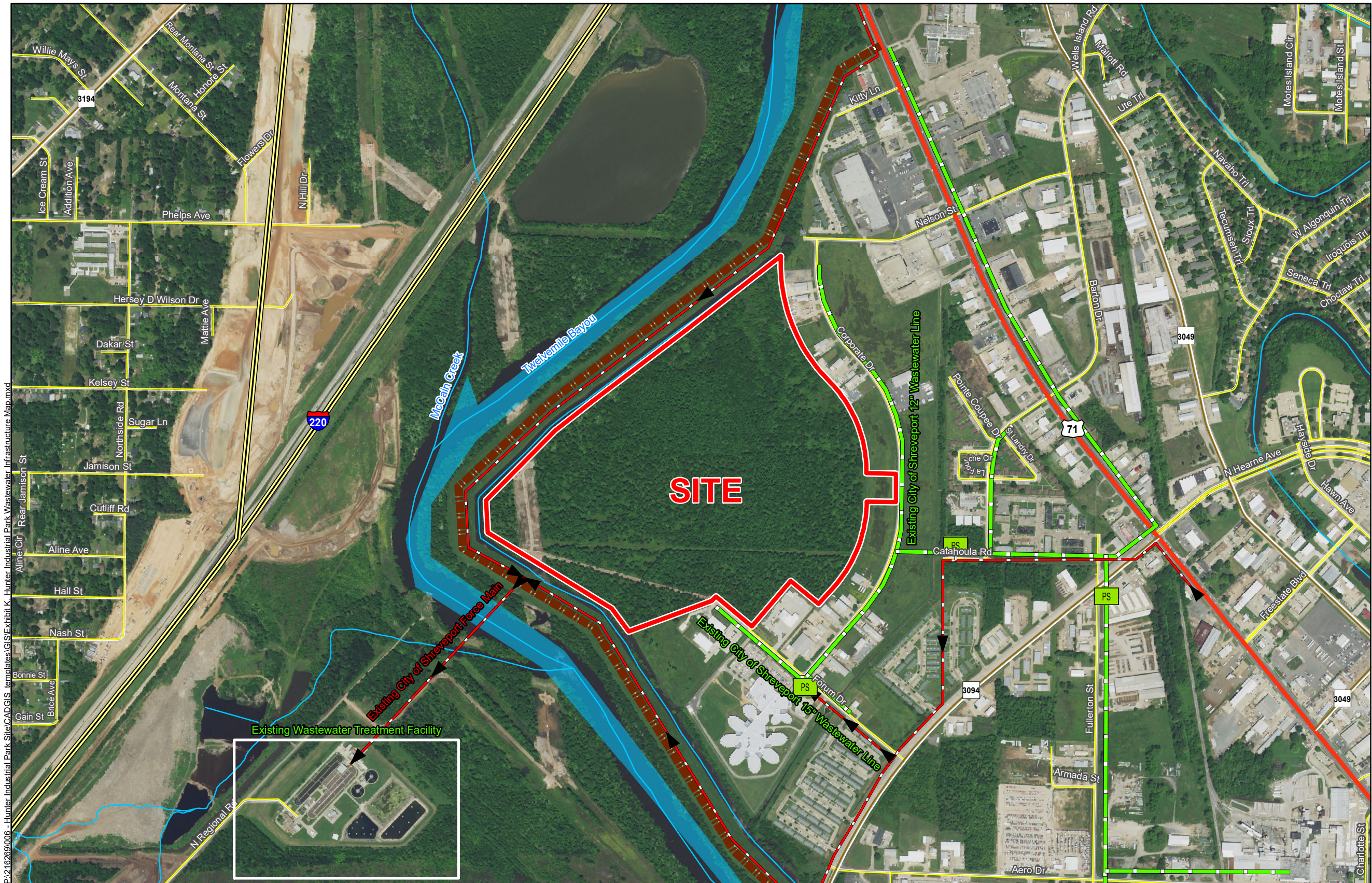
NLEP



Caddo Parish

LEGEND

- Site Boundary
- Existing City of Shreveport Force Main
- Existing City of Shreveport Wastewater Gravity Line
- Existing City of Shreveport Pump Station
- Existing Roadway**
 - Interstate
 - US Highway
 - Rural State Highway
 - Local Roads
- Levee
- Stream
- Waterbody



General Notes:

1. No attempt has been made by CSRS, Inc. to verify site boundary, title, actual legal ownership, deed restrictions, servitudes, easements, or other burdens on the property, other than that furnished by the client or his representative.
2. Transportation data from 2013 TIGER datasets via U.S. Census Bureau at <ftp://ftp2.census.gov/geo/tiger/TIGER2013>.
3. Utility information from visual inspection and/or the individual utility operators. Exact field location has not been determined by survey. The lines shown are an approximate representation only and may have been offset for depiction purposes.
4. 2015 aerial imagery from USDA-APFO National Agricultural Inventory Project (NAIP) and may not reflect current ground conditions.
5. Proposed potable water upgrade shown is for representational purposes only, depicting the intent of the cost estimate provided with this exhibit to meet LED minimum requirements, and is subject to revision.



0 420 840 Feet

Scale 1:10,000



Date:	5/31/2018
Project Number:	216269
Drawn By:	EEB
Checked By:	TMK



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Wastewater Utility Provider Questionnaire

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Site Name:
CSRS Project ID:

Site Map 1

Site Map 2

Date:
Provider Name:
Address:
City:
State:

Zip Code:
Name:
Phone:
Email:
Title:

Is wastewater collection currently available at this site?	Yes	No	Is there a force main at or near the site?	Yes	No
What is the distance in feet to the closest wastewater collection line to service this site?					
What is the size (inches in diameter) of the nearest line?					
Does this line have enough excess capacity to allow an additional 175 gpm average daily flow?			Yes	No	
NPDES permit number of sewer provider:					
What is the total capacity of the nearest lift station in gallons per day?					
What is the total capacity of the wastewater system in gallons per day?					
What is the current average daily use of the existing wastewater system in gallons per day?					
What is the peak load on the existing wastewater system in gallons per day?					
What is the excess capacity of the existing wastewater system in gallons per day?					

What are the pre-treatment requirements to discharge to the wastewater system? If lengthy, please provide a separate document.

Wastewater Utility Provider Questionnaire

(page 2 of 2)

Site Name:

CSRS Project ID:

Is a plan underway to improve services at or near this site within the next year? If so, please provide anticipated upgrades, location and time for implementation.

Please provide a map of existing utility assets near site. (click in area to insert image)

DIVISION 2. - WASTEWATER STANDARDS, PERMITS AND PROHIBITIONS

Sec. 94-119. - Prohibited discharge standards.

Pollutants, substances, or wastewater prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW.

- (1) *General prohibitions.* No user shall introduce or cause to be introduced into the POTW any pollutant(s) or wastewater which causes pass through or interference. These general prohibitions apply to each user introducing pollutants into the POTW whether or not the user is subject to other national pretreatment standards or any national, state, or local pretreatment requirements.
- (2) *Specific prohibitions.* The following pollutants, substances, or wastewater are hereby prohibited, and shall not be stored, processed, or hauled in such a manner that they could be discharged to the POTW.
 - a. Pollutants which create a fire or explosive hazard in the POTW, including, but not limited to, wastestreams with a closed-cup flashpoint of less than 140°F (60°C) using the test methods specified in 40 CFR 261.21;
 - b. Wastewater having a pH less than 6.0 or greater than 10.5, or otherwise causing corrosive structural damage to the POTW or equipment;
 - c. Solid or viscous substances in amounts which cause obstruction to the flow in the operation of the POTW resulting in interference including but not limited to ashes, cinders, sand, mud, straw, shaving metals, glass, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair, and fleshing, entrails, and paper, dishes, and cups;
 - d. Any pollutants, including oxygen-demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with the POTW;
 - e. Any wastewater with heat in amounts of or greater than 140°F (60°C) which will inhibit biological activity in the POTW treatment resulting in interference, but in no case shall heat in such quantities that the temperature at the POTW treatment plant exceed 104°F (40°C);
 - f. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin;
 - g. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;

- h. Trucked or hauled pollutants, except at discharge points designated by the POTW;
 - i. Wastewater which imparts color which cannot be removed by the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent, thereby violating the city's regulatory or any other regulatory permit;
 - j. Wastewater containing any radioactive wastes or isotopes except in compliance with applicable state or federal regulations;
 - k. Wastewater causing, alone or in conjunction with other sources, the treatment plant's effluent to fail a toxicity test;
 - l. Detergents, surface-active agents, or other substances which cause excessive foaming;
 - m. Fats, oils, or grease of animal or vegetable origin in concentration greater than 100 mg/l;
 - n. Sludges, screenings, or other residues from the pretreatment of industrial wastes;
 - o. Unusual concentrations of inert suspended solids, such as but not limited to fuller's earth lime slurries, and lime residues, or of dissolved solids, such as but not limited to sodium chloride and sodium sulfate;
 - p. Unusual volume of flow or concentration of wastes consisting of slug loads;
 - q. Any waters containing strong acid iron pickling waste, or concentrated plating solutions; or
 - r. Dilution as a substitute for treatment is prohibited except where expressly authorized to do so by an applicable pretreatment standard or requirement in accordance with 40 CFR 403.6(d).
- (3) *Specific pollutant limitations.* The following pollutant limits are established to protect against pass through and interference. These limits apply at the point where the user's wastewater is discharged to the sanitary sewer system. All concentrations for metallic substances are for "total" metal unless indicated otherwise. The authority may impose mass limitations in addition to, or in place of, the concentration-based limitations. Following are the technical based local limits.
- a. 0.07 mg/l antimony (T)
 - b. 1.2 mg/l arsenic (T)
 - c. 0.1 mg/l cadmium (T)
 - d. 4.7 mg/l chromium (T)
 - e. 3.8 mg/l copper (T)
 - f. 1.5 mg/l cyanide (T)
 - g. 1.0 mg/l lead (T)
 - h. 0.005 mg/l mercury (T)

- i. 1.5 mg/l molybdenum (T)
- j. 3.6 mg/l nickel (T)
- k. 0.14 mg/l selenium (T)
- l. 0.1 mg/l silver (T)
- m. 3.2 mg/l zinc (T)
- n. 100 mg/l oil and grease

Total toxic organics (TTO) for all categoricals shall be regulated according to the definition for that point source as established by EPA. All other facilities shall be regulated according to the definition of metal finishing point source category as established by EPA in 40 CFR Part 433.11(e). Should regulations, state or federal, reduce the limitation for any specified pollutant, the more stringent limit shall become the standard.