## DESCRIPTION:

WAKARUSA WASTEWATER TREATMENT PLANT ADD LT 1 (PLAT

# PROJECT OWNER/DEVELOPER

CITY OF LAWRENCE 6 E. 6TH STREET LAWRENCE, KS 66049

# STRUCTURE SCHEDULE

	FINISHED FLOOR ELEVATION	TOP OF STRUCTURES	OVERALL HEIGHT	SQUARE FOOTAGE
ADMINISTRATION	829.00	846.33	17.33	9424
HEADWORKS	841.00/823.50	860.33	36.66	5762
CHEMICAL STORAGE & FEED	828.50	849.17	20.67	3774
FINAL SLUDGE PUMPING STATION	827.00	845.00	18.00	4844
ULTRA-VIOLET DISINFECTION	824.00	843.33	19.33	4050
SOLIDS THICKENING	826.00	847.33	21.33	4393
VEHICLE STORAGE & MAINTENANCE	826.00	845.00	16.00	3018
BNR FLOW (AT GRADE)	831.50			
BNR NO. 1 & NO. 2 (AT GRADE)	829.50			
FC NO.1 & NO. 2 (AT GRADE)	829.50			
FC FLOW SPLITTER (AT GRADE)	829.50			

UTILITY SCHEDULE (TYPICAL ALL SHEETS):

GAS LINE

POTABLE WATER

SANITARY SEWER

NON-POTABLE WATER

PLANT DRAIN SYSTEM

SLUDGE IRRIGATION SYSTEM

# LIGHTING:

A SEPARATE PHOTOMETRIC PLAN TO BE PROVIDED PRIOR TO FINAL APPROVAL.

Regulations Overlay)

Current Use: Agriculture.

GENERAL NOTES

PAVEMENT SCHEDULE (TYPICAL ALL SHEETS):

AB3 - CRUSHED LIMESTONE

4" CONCRETE SIDEWALK

8" REINFORCED CONCRETE WITH 6" AB3 BASE

8" ASPHALTIC CONCRETE WITH 6" AB3 BASE

LEED CERTIFIED CONCRETE PAVING WITH SRI

Proposed Use: Wastewater treatment facility and Agriculture.

surrounding properties. (See attached)

4. Boundary and Topographic information taken from field survey prepared by Bartlett & West (Fall

2. Refer to Final Plat recorded on March 14, 2014 for all property information for this site and

1. Zoning: Lot 1 - GPI-FP (General Public and/or Institutional with Floodplain Management

- 5. Site lighting shown is not final and will not be finalized until all utilities have been routed. All site lighting to be wall mounted lights or access drive pole lights. All lighting fixtures shall be provided with a full cut-off fixture and be directed down. Applicant shall provide lighting fixture details for review and approval prior to issuance of a building permit. Photometric plan to be provided prior to final approval.
- 6. The public portion of the facility has been designed to comply with the provisions of the Americans with Disabilities Act Accessibility Guidelines (ADAAG) for building and facilities. Appendix A to 28 CFR Part 36.
- 7. All mechanical equipment will be screened in accordance with Section 20-1006(b) of the
- 8. All traffic control signs placed on private property open to the general public shall comply with the "Manual on Uniform Traffic Control Devices" and "Standard Highway Signs," published by the Federal Highway Administration, with respect to size, shape, color, retroreflectivity, and position.
- 9. Turf areas to be seeded unless noted otherwise.
- 10. Refer to attached sheets for proposed administration building materials and elevations.
- 11. This site is located within the 100 year floodplain. A Floodplain Development Permit application has been submitted to the City of Lawrence and the State of Kansas.
- 12. Storm sewer will be designed and included with the final bid documents. Storm sewer must be designed to coordinate with all utilities on site along with the treatment process.
- 13. Curb and gutter in public parking areas to be Type CG-1. Curb and gutter in plant area to be Type CG-2.
- 14. Entry sign details and height will be submitted prior to building permit approval.
- 15. All fencing to be 7' tall coated steel or aluminum fence fabric, with top bar, 45° barb wire arm (3-strand).
- 16. Each manual chain link gate shall be locked with a Knox Padlock and automatic gates shall be equipped with Fire Department approved optic censor. Contractor to contact the fire department for an application.
- 17. All property outside of construction limits to remain agriculture use. Any future structures and/or pavement will require site plan approval from the City of Lawrence prior to construction.
- 18. All landscaping outside of construction limits to remain as is and used as landscape buffer.
- 19. The subject property is located within the one percent annual chance (100 year) floodplain according to the Federal Emergency Management Agency, Flood Insurance Rate Map, Map Number 2004C0187D and 2004C0189D, Effective Date: August 5, 2010 and the 2014 FEMA Preliminary Flood Map, Effective Date: May 30, 2014.
- 20. Sidewalks will not be required to be installed along the street right-of-way with this development, but will be installed when the adjacent properties have developed to urban standards.
- 21. Alternative Compliance has been approved from the requirement in 20-1307(2)(i) to provide Type 3 Bufferyard landscaping along the perimeter of the property based on the distance of the facility from the adjacent properties and the natural vegetation that occurs
- 22. All parking along sidewalks at the Administration Building shall be 9' x 16' with 2' of overhang. Sidewalks have been designed to account for the overhang and required clear width.

### SITE SUMMARY:

#### EXISTING SITE SUMMARY

FXISTING BUILDING :	689 SF (0.02 AC.)
EXISTING PAVEMENT:	71,841 SF (1.65 AC.)
TOTAL IMPERVIOUS:	72,530 SF (1.67 AC.)
EXISTING PERVIOUS	23,070,462 SF (529.62 AC.)

TOTAL PROPERTY AREA: 23,142,992 SF (531.29 AC.)

#### PROPOSED SITE SUMMARY PHASE 1

EXISTING/PROPOSED STRUCTURES:

NON BUILDINGS 201,862 SF (4.63 AC.) BUILDINGS 33,120 SF (0.76 AC.) EXISTING/PROPOSED PAVEMENT: 299,624 SF (6.88 AC.) PROPOSED IMPERVIOUS: 534,606 SF (12.27 AC.) EXISTING/PROPOSED PERVIOUS: 22,608,386 SF (519.02 AC.)

TOTAL PROPERTY AREA: 23,142,992 SF (531.29 AC.) INSTI

BLACK & VEATCH Building a world of difference

TREATMENT

LAWRENCE

0F

ESIGNED: CBC DETAILED: CBC

HECKED: DRA

PPROVED: BTA

AUGUST 2014

1/2 

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING I NOT TO FULL SCALE

> PROJECT NO. 180984

IDP - 1

SHEET 1 OF 10

### BASE BID REQUIRED PARKING:

MAJOR UTILITIES & SERVICES

1 STALL PER 1.5 EMPLOYEES (25 EMPLOYEES)

= 17 STALLS REQUIRED

FLEET VEHICLES

*3 FLEET VEHICLES* = 3 STALLS REQUIRED

PARKING PROVIDED

20 STALLS (1 VAN ACCESSIBLE ADA, 1 CARPOOL AND 1 FUEL EFFICIENT STALLS INCLUDED)

BICYCLE

1 STALL PER 10 PARKING STALLS = 2 BICYCLE STALLS REQUIRED

## ALTERNATE BID REQUIRED PARKING\*:

MAJOR UTILITIES & SERVICES

1 STALL PER 1.5 EMPLOYEES (25

*EMPLOYEES*)

= 17 STALLS REQUIRED

FLEET VEHICLES

3 FLEET VEHICLES = 3 STALLS REQUIRED

ASSEMBLY - ACCESSORY CONFERENCE ROOM

1 STALL PER 4 SEATS (145 SEATS) = 37 STALLS REQUIRED

PARKING PROVIDED

57 STALLS (3 VAN ACCESSIBLE ADA, 3 CARPOOL AND 3 FUEL EFFICIENT STALLS INCLUDED)

BICYCLE

1 STALL PER 10 PARKING STALLS

= 6 BICYCLE STALLS \* PARKING SHOWN REPRESENTS THE BID ALTERNATE.

IF BASE BID IS CHOSEN, PARKING LOT WILL BECOME SMALLER.

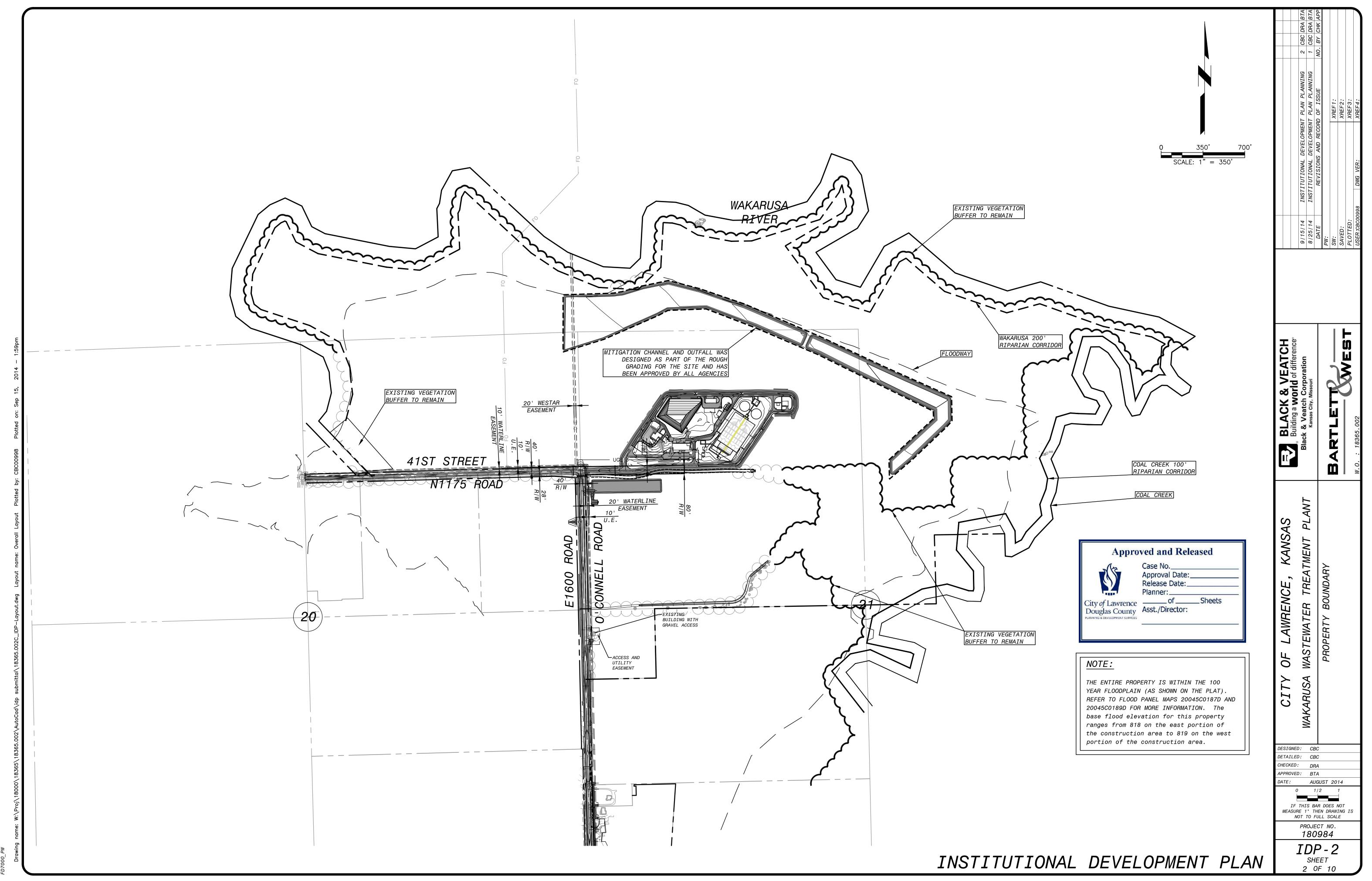




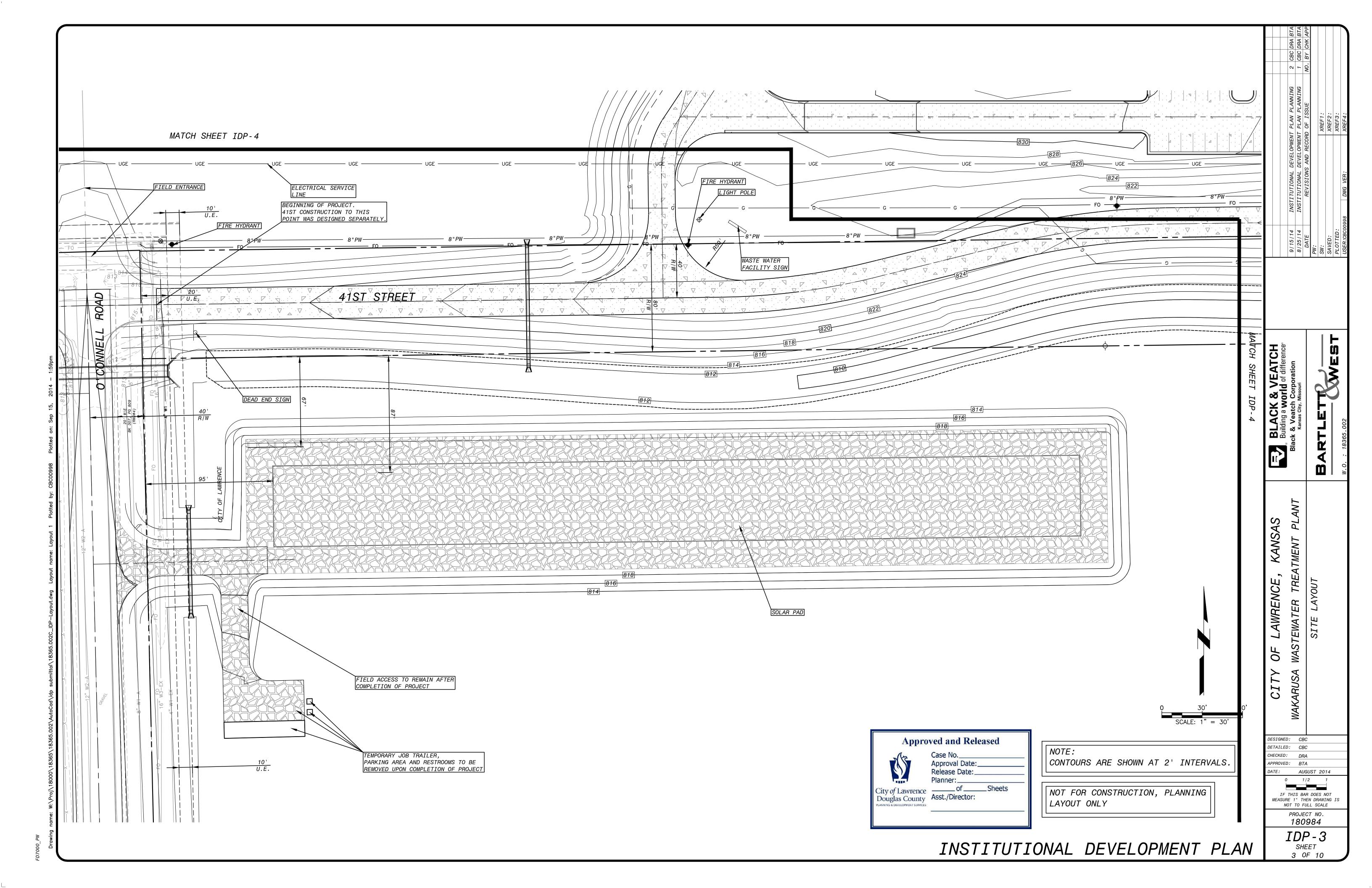
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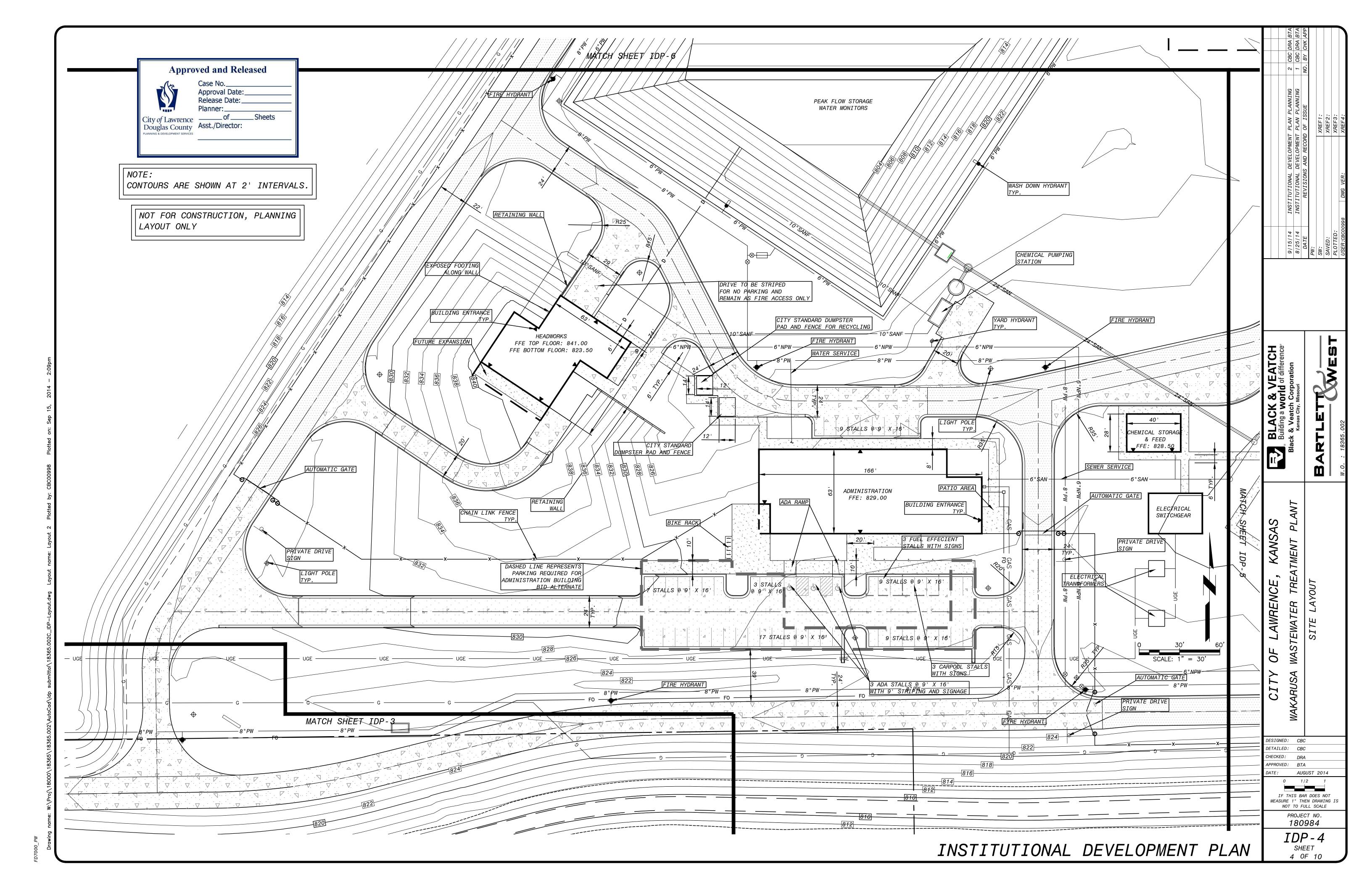
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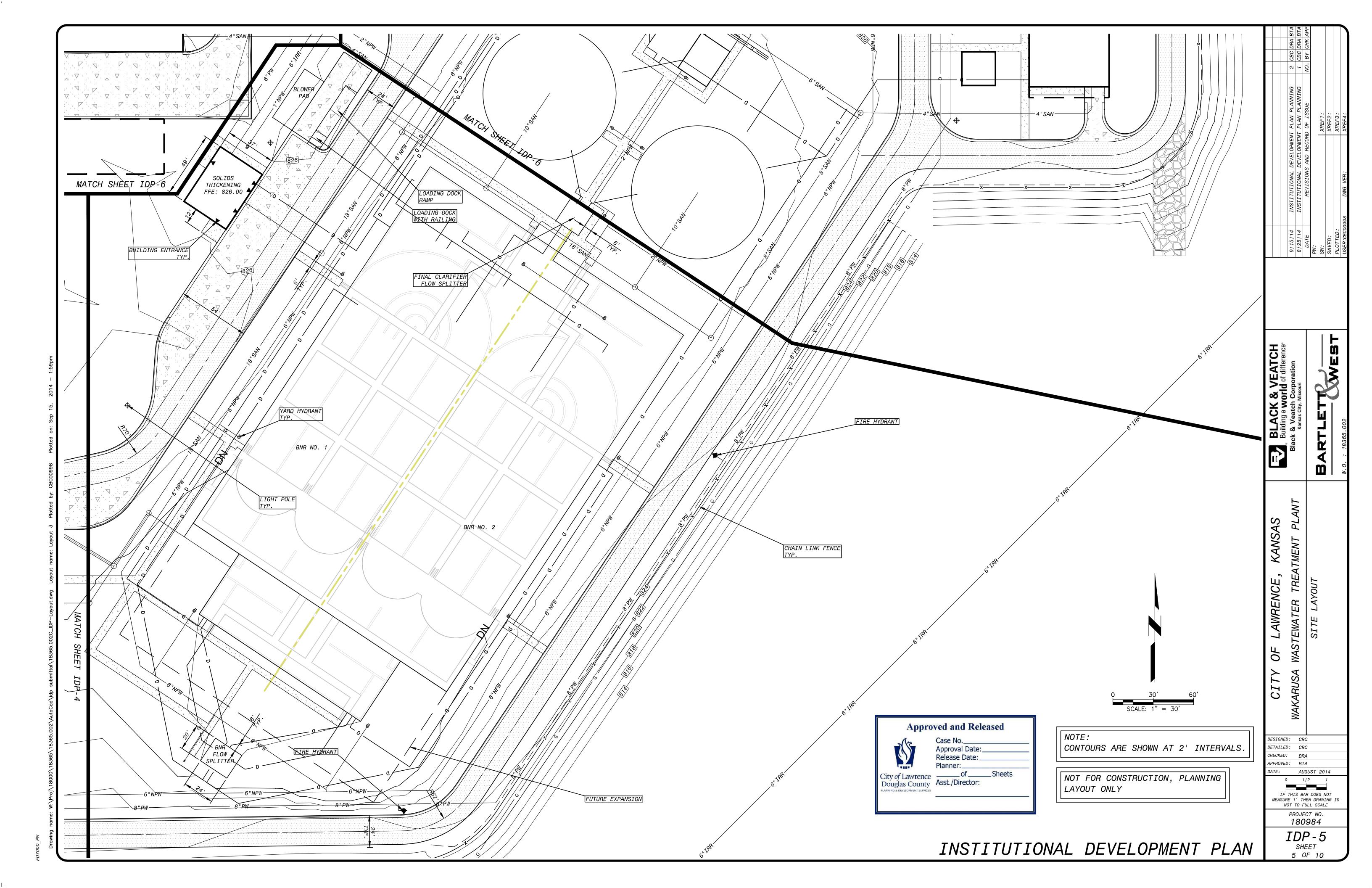
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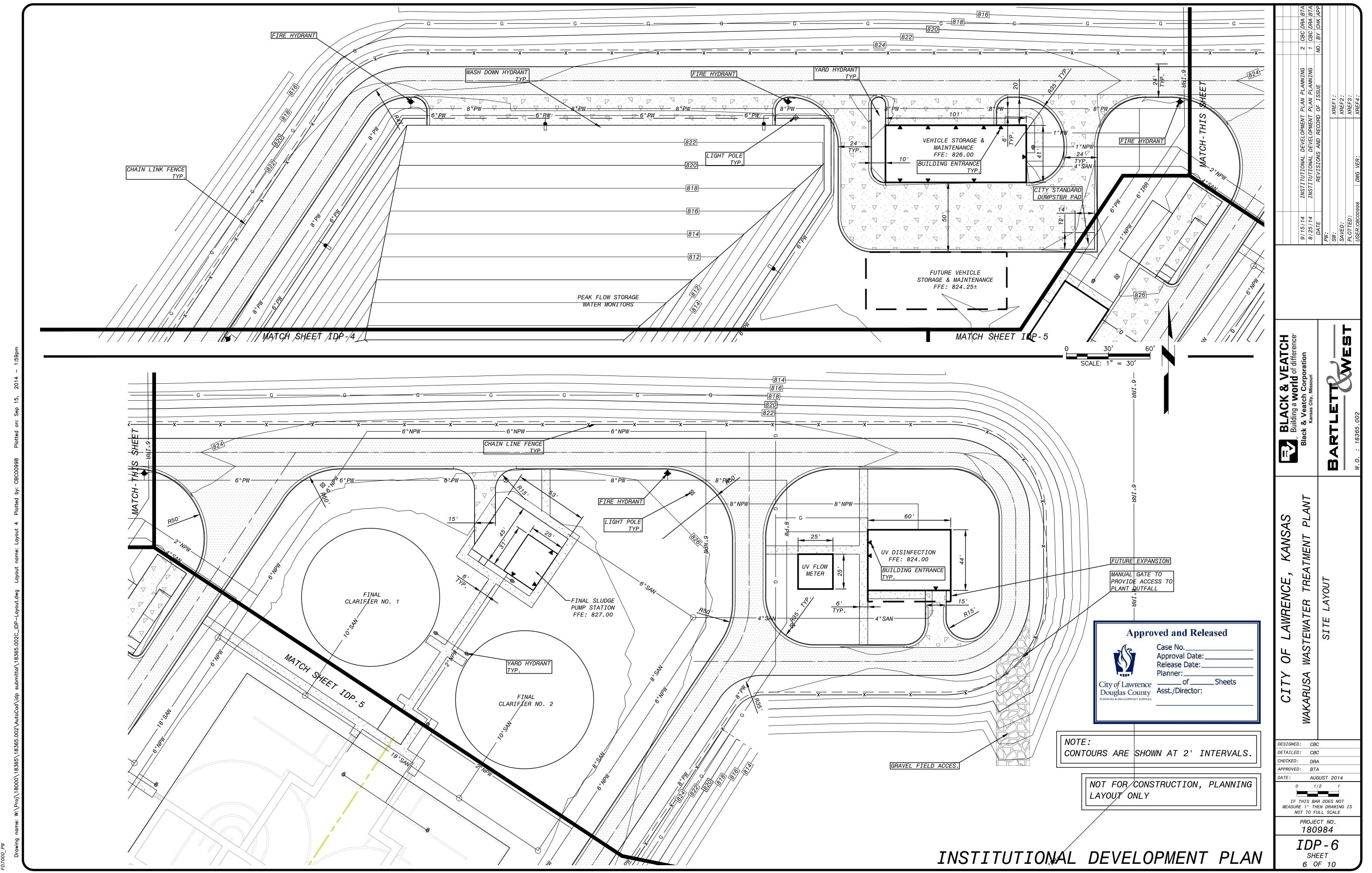


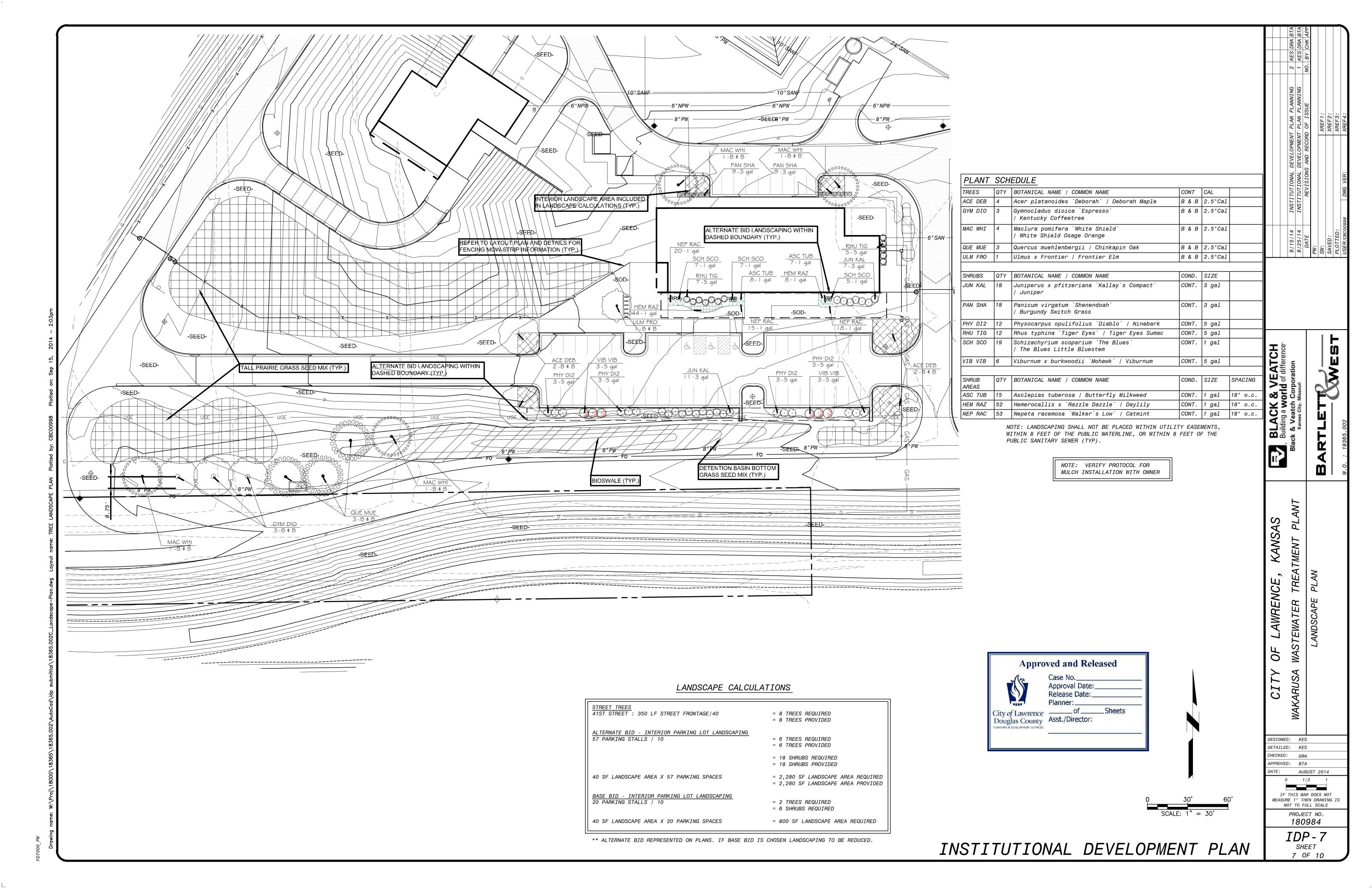
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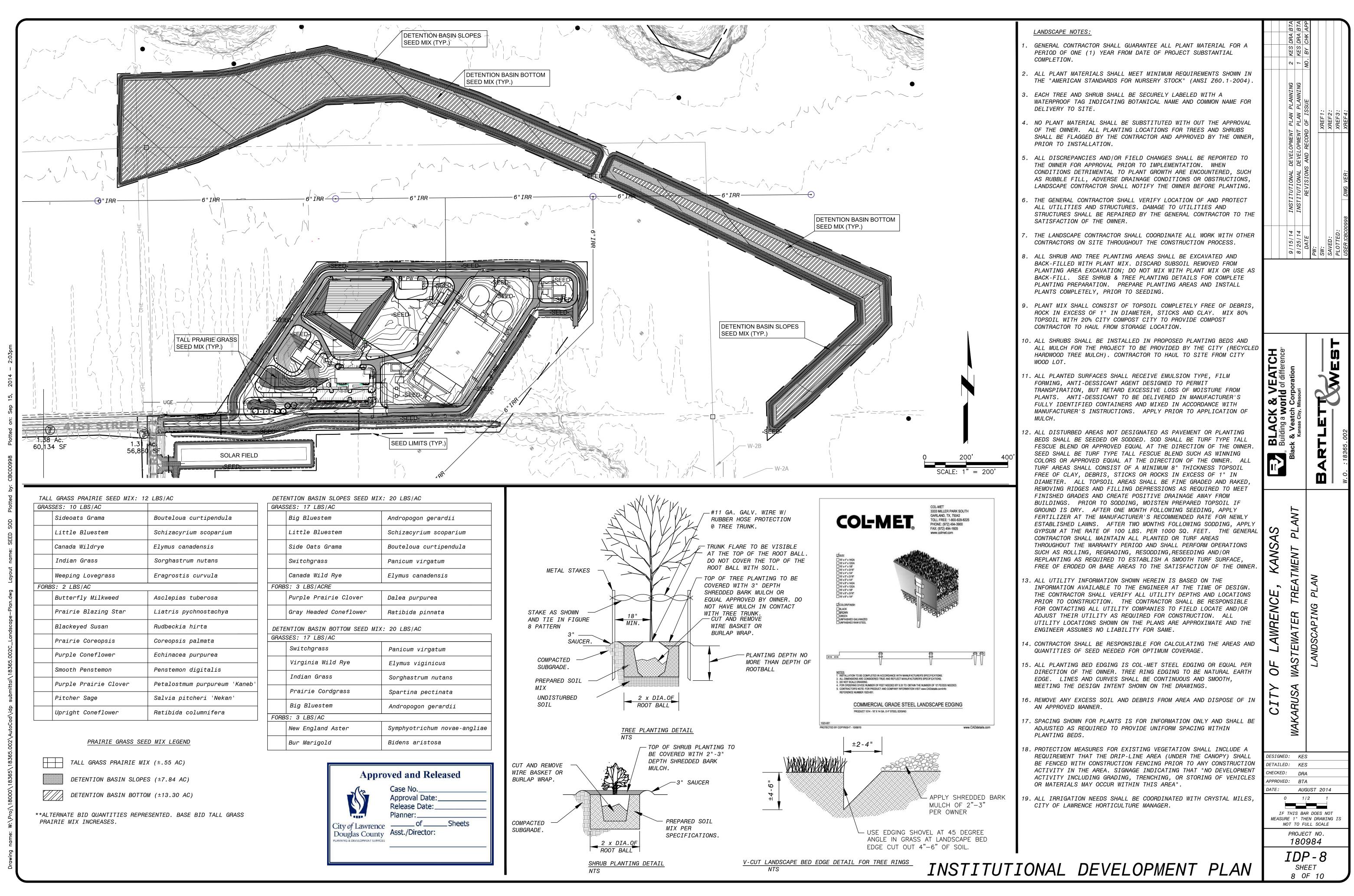












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