CONSTRUCTION PLANS FOR

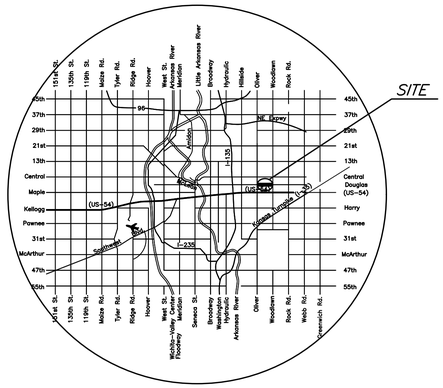
DOUGLAS STREET BRIDGE AT BROOKSIDE

CITY OF WICHITA
SEDGWICK COUNTY, KANSAS
GARY L. JANZEN, P.E. - CITY ENGINEER

C.O.W. PROJECT NO. 472-85436
C.O.W. OCA NO. 715740
C.O.W. PROJECT NO. 468-85410 (SANITARY)
C.O.W. OCA NO. 628108 (SANITARY)

Wildcat Construction
Completion Date:
10-31-2020
Engineer: Kevin Yale
Inspector: Thom

2019-023655
53200018
S8010



LOCATION MAP

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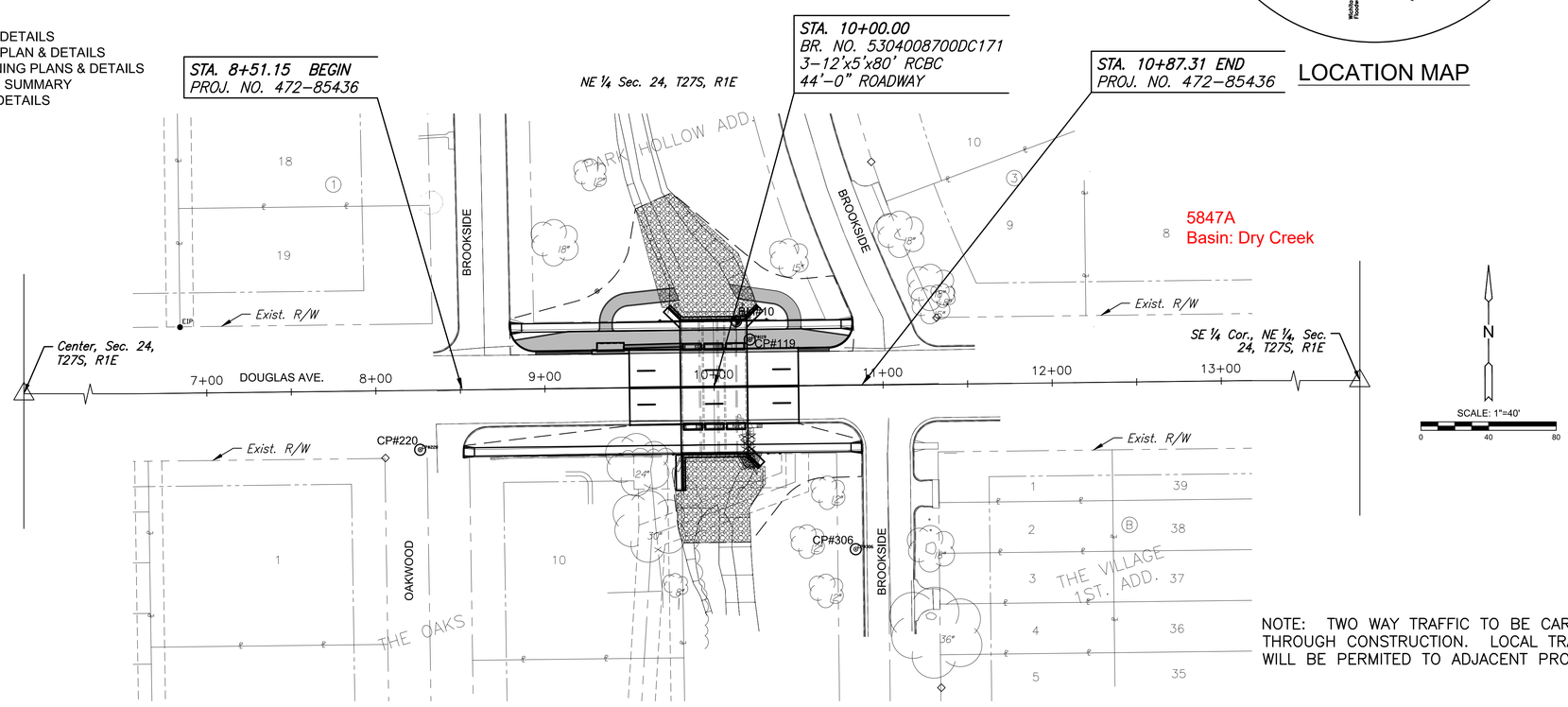

NOTE: TWO WAY TRAFFIC TO BE CARRIED THROUGH CONSTRUCTION. LOCAL TRAFFIC WILL BE PERMITED TO ADJACENT PROPERTIES.

BENCHMARKS & CONTROL POINTS

BM
SQR CUT
ELEV.=1357.63 NAVD 88
N=1687547.1, E=1668902.4

BM #10
C.O.W. BRASS DISK
ELEV.=1353.87 NAVD 88
N=1686268.5, E=1668573.8

CP #119
CP / #5 EIBC MKEC
ELEV.=1353.64 NAVD 88
N=1686257.58, E=1668581.87

CP #220
CP / CST NL FND IN ASPH
ELEV.=1353.85 NAVD 88
N=1686192.39, E=1668386.96

CP #304
CP / IBSC #304
ELEV.=1352.28 NAVD 88
N=1686501.39, E=1668531.64

CP #306
CP / IBSC #306
ELEV.=1352.65 NAVD 88
N=1686133.55, E=1668644.58

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CONSTRUCTION PLANS FOR
DOUGLAS STREET BRIDGE AT BROOKSIDE
WICHITA, KS

TITLE SHEET

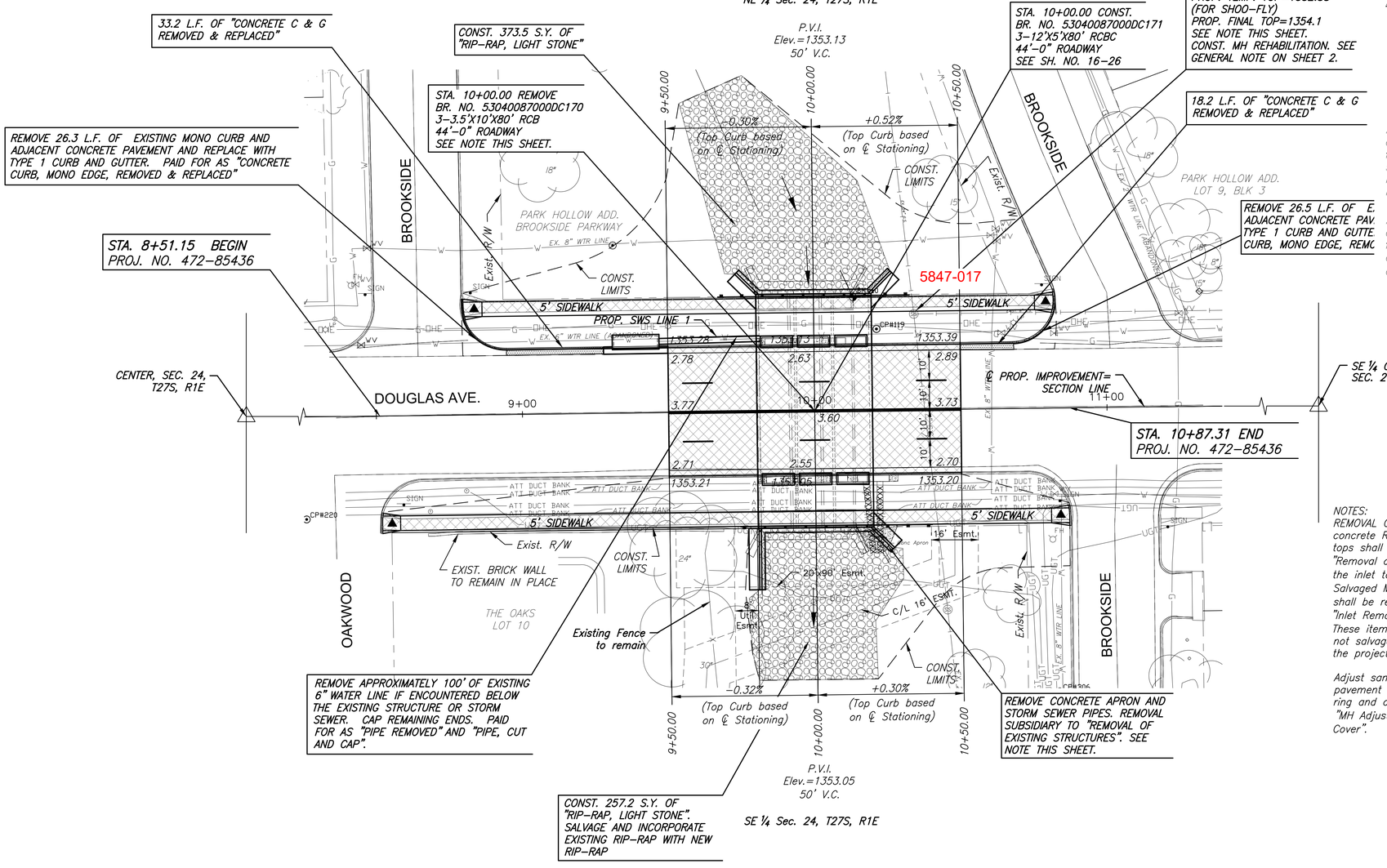
PROJECT NO.	472-85436
DATE	JULY 2019
SCALE	1"=40'

DESIGNED	DRAWN	CHECKED
JRA	BKS	JRA

NO.	REVISION	DATE

SHEET NO.
1 OF 51

JAY ANGLEMYER
LICENSED
No. 17328
STATE OF KANSAS
PROFESSIONAL ENGINEER



MANHOLE REHABILITATION:

The sanitary sewer manhole at Sta. 10+33.01, 33.19' Lt., is a 4' diameter precast concrete manhole approximately 10.9' deep. The contractor shall rehabilitate the existing manhole as follows:

1. *Clean the manhole and remove debris and corrosion build-up from the manhole.*
2. *Eliminate water infiltration entering the manhole around the 8" pipe via drilling and injecting a grout product specifically designed for this application. The injection grout shall be applied all the way around the manhole and should seal around the lowest wall joint and around all pipe openings in the wall.*
3. *Apply an approved manhole lining system.*

Approved manhole lining systems:

- *Raven 405*
- *Sauereisen 210S*
- *Spectrashield*
- *Warren Environmental S301*
- *Zebron*
- *Sherwin-Williams Dura-Plate 6100*
- *Sherwin-Williams Sherflex*

All lining materials shall be applied per manufacturer's specification and recommended thickness for brick or precast manholes. Cleaning, filling of voids, removal of steps flush with the interior manhole surface, and other preparations to the manhole walls shall be included in the bid item for the lining. Mortar used to patch gaps in brick walls shall conform to City Standard Specifications.

After each rehabilitation step, the contractor shall obtain engineer approval before continuing to the next step. The contractor shall furnish all material, labor, equipment, dewatering, manhole cleaning and preparation, bypass pumping or other method of flow control and testing. All work will be paid for as "MH, Rehabilitated".

NOTES:

REMOVAL OF EXISTING STRUCTURE: The contractor shall remove the existing concrete RFB, wings, and storm inlets on the RFB. The existing metal inlet tops shall remain the property of the City. This work shall be subsidiary to "Removal of Existing Structures". The contractor is responsible for delivering the inlet tops to the City which will be paid for as "Transportation of Salvaged Materials". The storm sewer and inlet not connected to the RFB shall be removed. These items shall be paid for as Pipe Removed" and "Inlet Removed". The concrete apron and brick wing wall shall be removed. These items are subsidiary to "Removal of Existing Structures". All materials not salvaged shall become the property of the contractor and removed from the project.

Adjust sanitary sewer manhole ring and cover to accommodate temporary pavement widening. After removal of the temporary pavement, adjust manhole ring and cover to original grade using an new ring and cover. Paid for as "MH Adjusted w/o New Ring & Cover" And "MH Adjusted w/ New Ring & Cover".

N

SCALE: 1"=20'

0 20 40

LEGEND

- *PAVEMENT AND SIDEWALK REMOVAL*
- *DIRECTION OF STREAM FLOW*
- (1) *BUBBLE POINT*
- ▲ *CONSTRUCT WHEELCHAIR RAMP (5')*

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WICHITA, KS

PLAN AND PROFILE

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