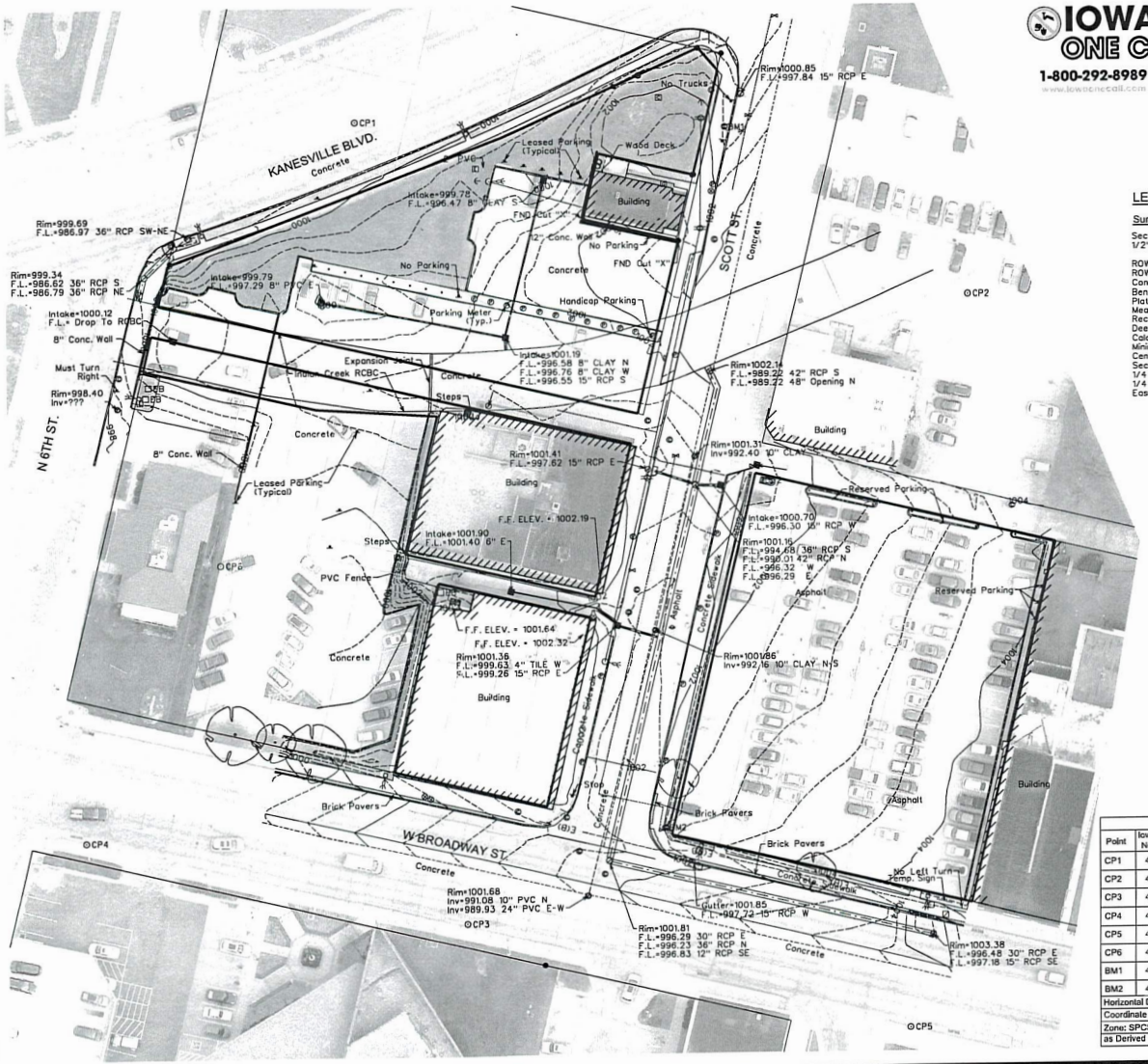
ATTACHMENT B

TOPOGRAPHIC SURVEY



IOWA ONE CALL
1-800-292-8989 811
www.iowaonecall.com

DESIGN LOCATE TICKET #551904419

(CBC) COUNCIL BLUFFS TRAFFIC Contact Phone : 7123284645	(M39E) MIDAMER-ELEC Contact Phone : 7123665669
(CBF) COUNCIL BLUFFS WATER WORKS Contact Phone : 7123281008	(MCI) MCI Contact Phone : 4698864238
(CBS) COUNCIL BLUFFS SEWER Contact Phone : 7123284644	(P17) BLACK HILLS ENGY COUNCIL BLUFF Contact Phone : 7123253022
(COX) COX COMMUNICATIONS Contact Phone : 4029340469	(UPN) UNITE PRIVATE NETWORKS, LLC Contact Phone : 8164253556
(CTLIA01) CENTURYLINK Contact Phone : 7205788090	(WINIA) WINDSTREAM COMMUNICATIONS Contact Phone : 8002891901
(ICN) IOWA COMMUNICATIONS NETWORK Contact Phone : 8005723940	

LEGEND

Survey

	Found	Set
Section Corner	▲	△
1/2" Rebar, Cap #23198 (Unless Otherwise Noted)	●	○
ROW Marker	■	□
ROW Rail	RR	RR
ControlPoint	©CP	
Bench Mark	BM	
Platted Distance	P	
Measured Bearing & Distance	M	
Recorded As	R	
Deed Distance	D	
Calculated Distance	C	
Minimum Protection Elevation	MPE	
Centerline		
Section Line		
1/4 Section Line		
1/4 1/4 Section Line		
Easement Line		

LEGEND

Features

	Existing
Spot Elevation	93.0
Contour Elevation	93
Fence (Barbed, Field, Hog)	-x-x-
Fence (Chain Link)	
Fence (Wood)	
Fence (Silt)	
Tree Line	
Tree Stump	
Deciduous Tree \ Shrub	
Coniferous Tree \ Shrub	
Communication	C(*)
Overhead Communication	OC(*)
Fiber Optic	FO(*)
Underground Electric	E(*)
Overhead Electric	OE(*)
Gas Main with Size	4" G(*)
High Pressure Gas Main with Size	4" HPG(*)
Water Main with Size	8" W(*)
Sanitary Sewer with Size	8" S(*)
Duct Bank	DUCT(*)
Test Hole Location for SUE w/ID	SU1
Sanitary Manhole	12" ST
Storm Sewer with Size	
Storm Manhole	
Single Storm Sewer Intake	
Double Storm Sewer Intake	
Fire Hydrant	
Fire Hydrant on Building	
Water Main Valve	
Water Service Valve	
Well	
Utility Pole	
Guy Anchor	
Utility Pole with Light	
Utility Pole with Transformer	
Street Light	
Yard Light	
Electric Box	EB
Electric Transformer	
Traffic Sign	
Communication Pedestal	
Communication Manhole	
Communication Handhole	
Fiber Optic Manhole	
Fiber Optic Handhole	
Gas Valve	
Gas Manhole	
Gas Apparatus	
Fence Post or Guard Post	
Underground Storage Tank	
Above Ground Storage Tank	
Sign	
Satellite Dish	
Mailbox	
Soil Boring	
Parking Meter	

DATE OF SURVEY

July 10th 2019

Horizontal & Vertical Control

Point	Iowa South State Plane (US Survey Foot) Northing	Easting	Elevation	Description
CP1	468578.97	994057.26	1000.40	Set MAG Nail
CP2	468486.95	994372.23	1004.11	Set MAG Nail
CP3	468163.26	994112.93	1000.84	Set MAG Nail
CP4	468207.36	993917.68	997.64	Set MAG Nail
CP5	468106.40	994341.00	1003.89	Set MAG Nail
CP6	468350.22	993987.37	1000.60	Set MAG Nail
BM1	468574.77	994247.44	1003.78	Arrowhead On Fire Hydrant
BM2	468211.63	994215.12	1004.33	Arrowhead On Fire Hydrant

Horizontal Datum: NAD 83 (2011)	Vertical Datum: NAVD 88 (GEOID 12A)
Coordinate System: US State Plane 1983	GEOID: GEOID 12A (CONUS)
Zone: SPCS: Iowa South (US Survey Foot) as Derived from Iowa Real Time Network	Units: US Survey Feet

MARK	REVISION	DATE	BY

Engineer: XXX | Checked By: JWI | Scale: 1"= 30'
Technician: JWI | Date: 07/10/19 | Field Bk: Pg:
Project No: 1190554 | Sheet 1 of 1

712 INITIATIVE - 500 BLOCK REDEVELOPMENT

COUNCIL BLUFFS, IOWA

TOPOGRAPHIC SURVEY

SNYDER & ASSOCIATES, INC.
1751 MADISON AVE.
COUNCIL BLUFFS, IOWA 51503
712-322-3202 | www.snyder-associates.com

SNYDER & ASSOCIATES

Project No: 1190554

Sheet 1 of 1