City of Hiawatha
Engineering Department
101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: **Mayor and City Council** **Date:** **June 13, 2019**

From: John Bender PE, City Engineer

Re: **Todd Hills 1st Addition Wastewater Pump Station**

Description: Approve Plan of Improvements

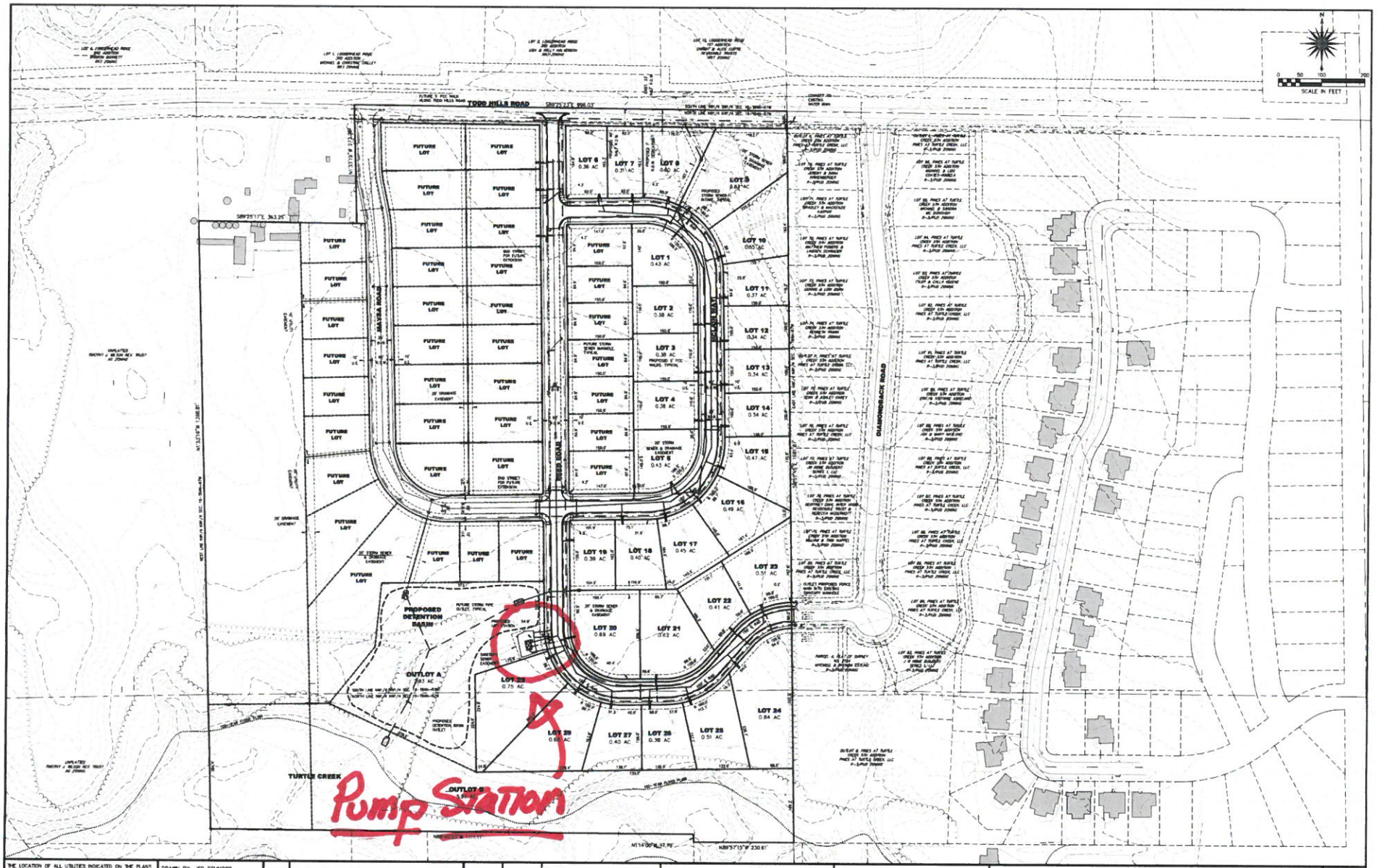
Report:

The plan of improvements for Todd Hills 1st Addition has been submitted for 60 lots in the Todd Hills preliminary plat. This is the new addition on Todd Hills Road must be served by a wastewater pump station. The developer has prepared the plans according to Iowa DNR standards and secured the necessary construction permits. After construction and testing, the City will accept the station and take over maintenance. The plan includes approximately the following:

- 6-foot diameter wet well with 2 submersible pumps,
- 6-foot diameter valve vault,
- Bypass pumping generator connection,
- Electrical controls,
- Security fence.

Engineering has reviewed the plan of improvements that are proposed for this pump station. Engineering recommends approval of these public improvement plans.

If you need any further information, please let me know.



THE LOCATION OF ALL UTILITIES INDICATED ON THE PLANS IS TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLAN MAY BE PRESENT.

DRAWN BY: JED SCHNOOR

APPROVED BY: JED SCHNOOR

DATE: 4/22/2019

REV NO.	REVISION DESCRIPTION	APPROVED	DATE

Hiawatha!

BONACUM-BONIFAZI ENGINEERING & SURVEYING, LLC
431 FIFTH AVENUE SW
CEDAR RAPIDS, IA 52404
(319) 366-6566 (PHONE)

Schnoor Bonifazi

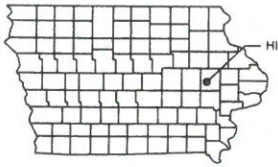
TODD HILLS FIRST ADDITION TO HIAWATHA, IOWA

TITLE: **OVERALL SITE LAYOUT PLAN**

SHEET NO. **C1.1**

TODD HILLS FIRST ADDITION
WASTEWATER PUMP STATION

TODD HILLS LLC
HIAWATHA, IOWA



SHEET INDEX

Sheet Number	Sheet Title
C1	COVER, LEGEND AND UTILITY CONTACTS
P1	WASTEWATER PUMP STATION SITE PLAN
D1	WASTEWATER PUMP STATION DETAILS
D2	WASTEWATER PUMP STATION DETAILS
E1	ELECTRICAL SITE PLAN
E2	ELECTRICAL SCHEDULE AND RISER
E3	ELECTRICAL SYMBOLS

LEGEND

- EXISTING WATER MAIN
- EXISTING GATE VALVE & HYDRANT
- WATER SERVICE & CURB STOP
- PROPOSED WATERMAIN, VALVE, & HYDRANT
- PROPOSED WATER SERVICE & CURB STOP
- EXISTING SANITARY SEWER & MANHOLE
- EXISTING FORCEMAIN
- EXISTING STORM SEWER & INLET
- PROPOSED STORM SEWER & INLET
- PROPOSED STORM SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- BURIED ELECTRIC
- BURIED GAS & VALVE
- BURIED CABLE TELEVISION
- BURIED TELEPHONE
- BURIED FIBER OPTICS
- OVERHEAD UTILITY
- RAILROAD TRACKS
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- EXISTING CULVERT PIPE
- PROPOSED CULVERT PIPE
- FENCE LINE
- DRAINAGE ARROW
- SILT FENCE
- RIGHT-OF-WAY
- BASELINE
- PROPERTY LINE
- TREE LINE
- BENCHMARK
- IRON PIPE
- IRON ROD
- CONTROL POINT
- UTILITY POLE & GUY
- SOIL BORING
- LIGHT POLE
- PEDESTAL
- STREET SIGN
- MAILBOX
- FLAGPOLE
- TREE - DECIDUOUS
- TREE - CONIFEROUS
- TREE TO BE REMOVED

UTILITIES

GAS: MID-AMERICAN ENERGY
GREG WILDEBOUR
602 D AVE NW
CEDAR RAPIDS, IA 52405
PHONE: 319-298-5162
FAX: 319-298-5164

ELECTRIC: ALLIANT ENERGY
MARG MEISTERLING
1001 SHAVER RD NE
CEDAR RAPIDS, IA 52402
PHONE: 319-786-1908
FAX: 319-786-1959

LINN COUNTY REC
5695 REC DRIVE
P.O. BOX 69
MARION, IA 52302
PHONE: 319-377-1587

TELEPHONE: IMON COMMUNICATIONS
625 FIRST STREET SE, SUITE 100
CEDAR RAPIDS, IA 52401
PHONE: 319-298-6484

SEWER: CITY OF HIAWATHA
ROD JASA
PHONE: 319-393-1515
PHYSICAL: 1410 ROBINS RD.
MAILING: P.O. BOX 485

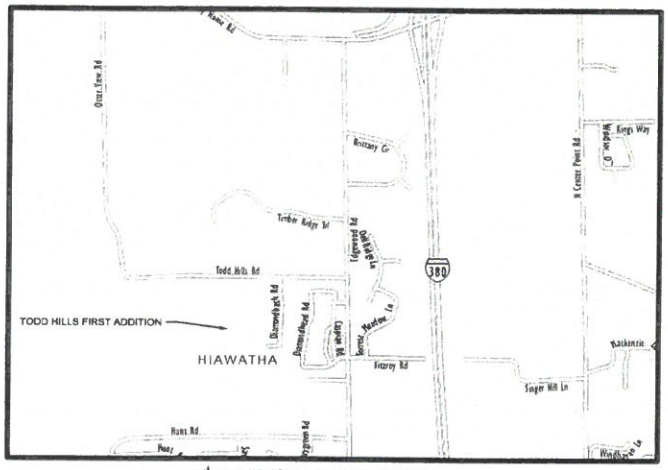
WATER: CITY OF HIAWATHA
MARTY RECKER
PHONE: 319-393-5556
PHYSICAL: 101 EMMONS ST.
MAILING: P.O. BOX 485

CATV: CENTURYLINK
4444 1ST AVENUE NE
CEDAR RAPIDS, IA 52402
PHONE: 319-378-3140

WINDSTREAM
929 MARTHA'S WAY
HIAWATHA, IA 52233
PHONE: 800-289-1901

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

NOTE:
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO CONSTRUCTION.



LOCATION MAP
NOT TO SCALE

LICENSED PROFESSIONAL ENGINEER
JAKE J. DEAVER
23578
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: DATE: Dec 3, 2018
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2019
MY LICENSE NUMBER IS: 23578
PAGES OR SHEETS COVERED BY THIS SEAL: ALL EXCEPT ELECTRICAL

LICENSED PROFESSIONAL ENGINEER
Licensed
13692
John T.
Palmer
IOWA

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: DATE: 12/03/2018
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2019
MY LICENSE NUMBER IS: 13692
PAGES OR SHEETS COVERED BY THIS SEAL: ELECTRICAL: E1, E2 & E3

PROJECT NO.: 19540000	SCALE: AS SHOWN	NO.	DATE	REVISION	BY
PROJECT DATE:	DRAWN BY: INIT				
F.B. :	CHECKED BY: INIT				

PLOT DATE: 11/30/18, P:\19500s\19540s\19540\19540000 Todd Hills Sanitary Lift Station\CADD\Construction Drawings\19540000 Cover Sheet.dwg

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ENGINEERING | ARCHITECTURE | SURVEYING
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400 Ice Harbor Drive, Dubuque IA 52001
(563) 582-3973 www.msa-ps.com
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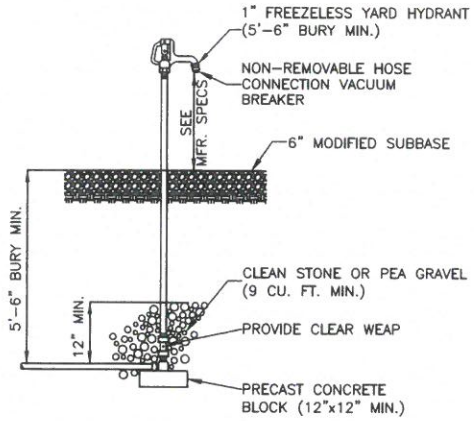
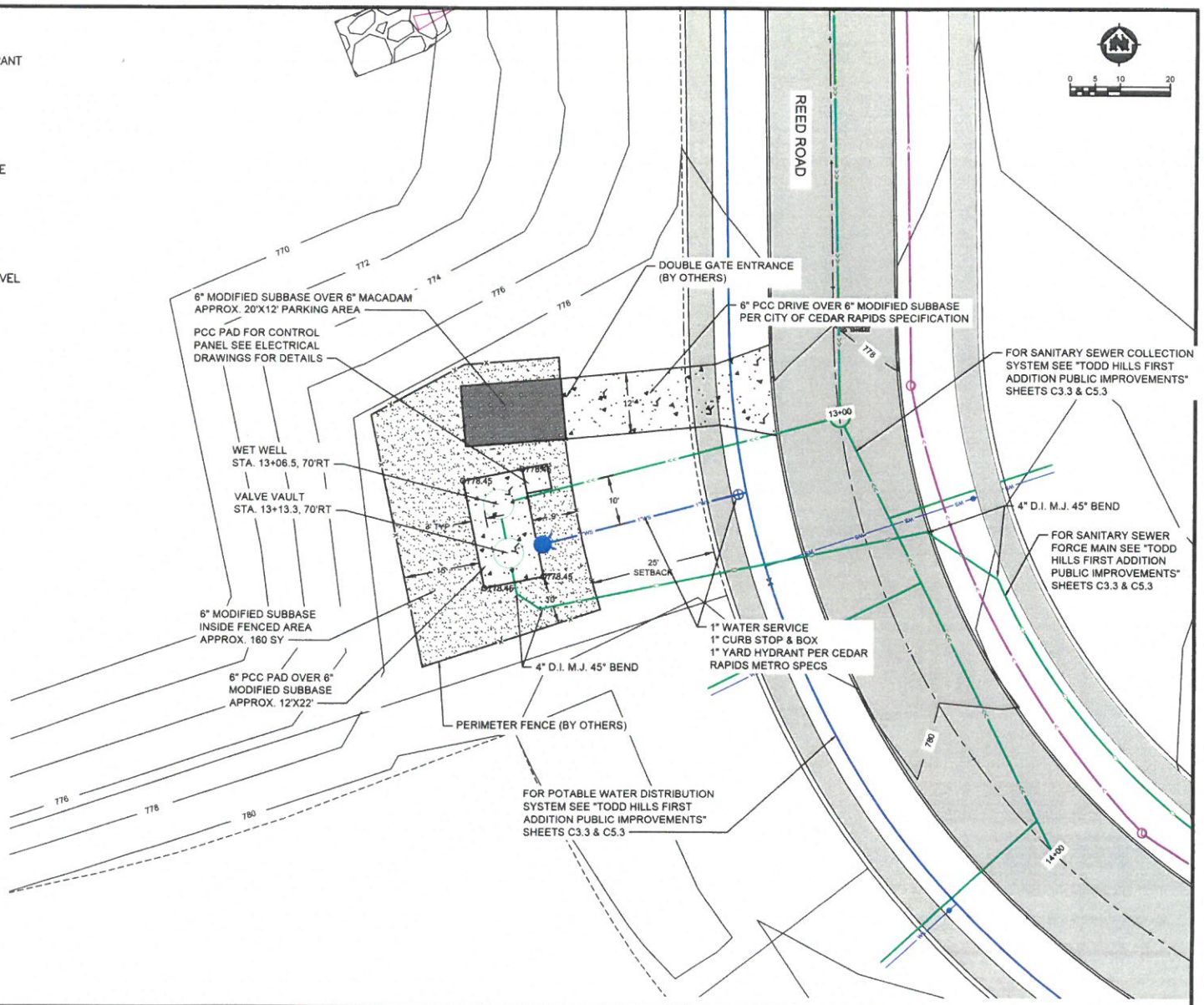
TODD HILLS FIRST ADDITION WASTEWATER PUMP STATION
TODD HILLS LLC
HIAWATHA, IOWA

COVER, LEGEND AND UTILITY CONTACTS

FILE NO. 19540000
SHEET C1



YARD HYDRANT
NOT TO SCALE



PROJECT NO: 19540000	SCALE: AS SHOWN	NO	DATE	REVISION	BY
PROJECT DATE	DRAWN BY: INIT				
F.B.	CHECKED BY: INIT				

PLOT DATE: 12/3/18, P:\19500s\19540s\19540\19540000 Todd Hills Sanitary Lift Station\CADD\C3D\19540000 Design.dwg

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TODD HILLS FIRST ADDITION WASTEWATER PUMP STATION
TODD HILLS LLC
HIAWATHA, IOWA

WASTEWATER PUMP STATION SITE PLAN

FILE NO. 19540000
SHEET P1

RESOLUTION NO. 19-
City of Hiawatha

RESOLUTION GRANTING AUTHORIZATION TO PROCEED WITH IMPROVEMENTS INSTALLATION TODD HILLS FIRST ADDITION WASTEWATER PUMP STATION

WHEREAS, plans, profiles, cross sections, and specifications for construction of improvements in Todd Hills First Addition to the City of Hiawatha, Linn County, Iowa have been submitted to the City of Hiawatha, and

WHEREAS, the City Engineer has reviewed said plans, profiles, cross sections and specifications for construction of improvements in Todd Hills First Addition Wastewater Pump Station to the City of Hiawatha, Linn County, Iowa, and recommends that they are in conformance to preliminary plat and design standards of the City of Hiawatha, and

WHEREAS, the Hiawatha Water Department has reviewed the plan of improvements for Todd Hills First Addition Wastewater Pump Station to the City of Hiawatha, Linn County, Iowa, and recommends approval, and

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to grant permission for Contractor to proceed with installation of improvements in Todd Hills First Addition Wastewater Pump Station to the City of Hiawatha, Linn County, Iowa.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 19th day of June, 2019.

_____
Bill Bennett, Mayor

ATTEST:

_____
Amy Scheer, Deputy City Clerk