

## **City of Eudora Modified Public Meeting Procedure**

The City of Eudora will hold its regular City Commission meeting on Monday, July 27, 2020 beginning at 7:00 P.M. Due to the concerns of spread of COVID-19, the City Commission meeting will be held remotely. To meet the spirit and intent of the Kansas Open Meetings Act (KOMA), anyone can listen to the meeting live via a conference call. This access can be gained as follows:

Dial-in number (US): (701) 802-5407

Access code: 7548666#

If anyone wishes to make a public comment, they may do so by sending or e-mailing their comment to City Clerk Pam Schmeck by 5:00 P.M. on Monday, July 27, 2020. Public comments can also be mailed to the City Clerk at P.O. Box 650, Eudora, Kansas 66025 (please keep in mind delivery time; if they do not arrive by 5:00 P.M. Monday, July 27, 2020 they will not be read), submitted via the utility bill drop box on the east side of City Hall, or e-mailed to [pschmeck@cityofeudoraks.gov](mailto:pschmeck@cityofeudoraks.gov). The public comments will be read by the City Clerk during the public comment portion of the meeting. All public comments must include the name and address of the person submitting the comment. Please remember that public comment is limited to 5 minutes per person.

Members of the City Commission, presenters, or staff will identify themselves when speaking so that everyone will know who is speaking at the time.

**EUDORA CITY COMMISSION  
MEETING AGENDA  
August 10, 2020  
Eudora City Office  
4 East 7<sup>th</sup> Street Eudora, Kansas  
6:30 P.M.**

**Mayor: Tim Reazin**

**Vice Mayor: Ruth Hughs**

**City Commissioners: Jolene Born, Roberta Lehmann & Tim Bruce**

- I. CALL TO ORDER      Roll Call      Pledge of Allegiance**
  
- II. CHANGES OR ADDITIONS TO AGENDA – Approve agenda**
  
- III. EXECUTIVE SESSIONS:**
  - A. Consultation with an attorney deemed privileged in the attorney-client relationship**
  - B. Preliminary discussion relating to the acquisition of real property**
  
- IV. CONSENT ITEMS:**
  - A. Consider minutes of July 27, 2020 Eudora City Commission meeting**
  - B. Consider warrants against the City of Eudora**
  - C. Consider July Police Department report**
  - D. Consider July Fire Department report**
  - E. Consider 2<sup>nd</sup> Quarter Treasurer’s report**

**PUBLIC COMMENTS: Please state name and address prior to addressing the Governing Body. Public comments are limited to 5 minutes per speaker.**

- V. PUBLIC HEARING:**
  - A. Proposed 2021 Budget**
  
- VI. BUSINESS ITEMS:**
  - A. Consider adopting 2021 Budget**
  - B. Consider recommendation(s) from Planning Commission regarding Final Development Plan submitted by Casey’s General Stores, Inc.**
  - C. Biannual Eudora Area Historical Society report from Ben Terwilliger**
  - D. Proclamation 811 Safe Digging Day**
  
- VII. Mayor & City Commission comments**
  
- VIII. City Manager & staff comments**
  
- IV. WORK SESSION:**
  - A. Main lift station repair**
  
- X. EXECUTIVE SESSION:**
  - A. Personnel matters of non-elected personnel**
  
- XI. Adjournment**

*As a courtesy, please silence all cell phones while the City Commission meeting is in session.*

Eudora City Commission Meeting  
City Hall – 4 E. 7<sup>th</sup> Street  
Eudora, Kansas  
July 27, 2020  
7:00 pm

Call to Order

Mayor Tim Reazin

Vice Mayor Ruth Hughs attended virtually

Commissioner Jolene Born attended virtually

Commissioner Roberta Lehmann attended virtually

Commissioner Tim Bruce

Quorum noted.

Pledge of Allegiance was recited.

Changes or additions to agenda

Mayor Reazin requested to add Business Item B. Nottingham Project Update and remove Executive Session from the agenda.

**Commissioner Bruce moved the City Commission approve the agenda with the addition of Business Item B Nottingham Project update and the removal of the Executive Session**, motion seconded by Vice Mayor Hughs, all ayes, motion carried, 5-0.

Consent agenda items

- A. Consider minutes of July 13, 2020 Eudora City Commission meeting
- B. Consider minutes of July 20, 2020 Eudora City Commission special meeting
- C. Consider warrants against the City of Eudora
- D. Consider 2<sup>nd</sup> Quarter Codes Department report
- E. Consider 2<sup>nd</sup> Quarter Eudora Chamber of Commerce report

**Mayor Reazin moved the City Commission approve the consent items**, motion seconded by Commissioner Bruce, all ayes, motion carried, 5-0.

Public comments

Public comments were invited and submitted by Catherine Ellsworth regarding the Hamm Quarry expansion and Matt Garrett regarding the proposed utility rate increase. The comments were read by Mayor Tim Reazin.

Business Items

A. Consider request to update the existing Sonic Drive-In marquee sign by Custom Neon Sign  
Codes Administrator Curt Baumann explained Custom Neon Sign appeared before the City Commission last January with a proposal to update the marquee sign at Sonic Drive-In. The sign dimensions were lacking and questions were raised regarding compliance with the current sign regulations. The matter was tabled to allow Neon Custom Sign representatives and Sonic Drive-In to discuss the possibility of bringing the sign to current standards which was the desire of the City Commission. It was decided the sign can stay the way it is or if Sonic Drive-In chooses to change their sign, it must be brought into compliance at that time.

**Mayor Reazin moved the City Commission deny issuing a permit for the proposed Sonic Drive-In optic display boards to be placed on the existing elevated sign because not all of the parameters and conditions for such approval have not been met per Section 16-1213(3)(d) and Section 16-1214 given that the existing sign to which the proposed optic display boards are to be attached is a non-conforming sign**, motion seconded by Commissioner Bruce, all ayes, motion carried, 5-0.

## B. Nottingham Project Update

City Manager Matite reported the Development Team was informed that Monarch Construction, the city's Construction Manager at Risk, had recently gone through ownership and personnel changes. The team met last week to discuss possible steps that needed to be taken given the changes to Monarch. Michael Comparato and Don Comprise joined the meeting virtually. The team thought that the change to Monarch was significant enough to warrant recommendations to reopen the Request for Qualifications process. The team recommended five companies to be invited to participate in the RFQ process. The team agreed to talk to Public Works Director Branden Boyd to see if he had any companies that he would also like to invite. The team proposed a timeline of August 14<sup>th</sup> as the deadline for submissions and August 28<sup>th</sup> as the date to select a new Project Construction Manager at Risk. If the timeline is too tight, the item will be brought back to the City Commission. It was decided to allow the companies to submit their proposed budget as opposed to letting them know the city's budget. It was decided to allow the companies input on the timeline of the project given the fact that the project will going on during the winter months. Staff received Casey's Final Planned Development application. Staff and the team will review the plans and prepare it for the August 5<sup>th</sup> Planning Commission meeting. Once the packet is completed, it will be forwarded to the City Commission for review. It is scheduled to be on the August 10<sup>th</sup> City Commission agenda. Staff will hopefully have other documents from potential tenants for Commission review by the end of August or the first of September.

### Mayor and City Commission Comments

**Mayor Reazin** informed the Commission that the city was awarded a \$250,000 CDBG Commercial Rehab grant for 714 Main Street. Mayor Reazin asked the Commissioners to research the Hamm Quarry application to expand their business. The mayor will talk with the Chair of the Douglas County Planning Commission to voice his concerns on the matter. Reazin suggested if other Commissioners have an opinion, voice it to the Eudora Commission. Reazin also suggested moving the truck traffic from 2200 Road to 2300 Road. Reazin responded to public comment by Mr. Garrett. The Governing Body does take into consideration the impact that raising rates has on the citizens of Eudora. If the city continues to ignore infrastructure needs, it will be worse in the long run for citizens. Staff is expanding the tax base to try and alleviate the pressure of homeowners paying the bulk of taxes.

**Commissioner Bruce** – No comment.

**Vice Mayor Hughs** commented Commissioner Born will replace her on the Parks & Recreation Foundation.

**Commissioner Born** – No comment.

**Commissioner Lehmann** – No comment.

### City Manager and Staff Comments

**City Manager Barack Matite** commented he reached out to Kansas Geological Survey at KU and there is a geologist who is assigned to review the study that was submitted with the Hamm Quarry expansion application. The city also contracted an engineer to review the technical report submitted to the county. These reports will be submitted to the Planning Commission to assist in their recommendations to Douglas County Commission. The applicant will be present at the Eudora Planning Commission as well as County staff. The Eudora Township prefers to keep the flow of traffic the way it is today (on 2200 Road) and not reroute to 2300 Road. The CDBG-CV grant committee met for the first time last week to review the applications submitted for possible grant funding. Management Analyst Jeff Rhodes is also working on a SPARKS committee to submit a city wide application for reimbursement and for what is needed from now until the end of the year to fight the spread of COVID-19.

**City Management Analyst Jeff Rhodes** commented the city submitted and was approved for \$120,000 in CDBG-CV grant money. A committee was selected and will meet this Thursday, in Commission Chambers from 6:00 pm to 8:00 pm, to review and award funding to the some or all of the ten businesses that applied. This money needs to be spent by June of 2021. Douglas County has received 24 million dollars to further assist businesses in Douglas County with COVID related expenses. The city hopes to get reimbursed on expenditures from March until now. The city will also apply for city wide assistance in COVID related expenses from August 1<sup>st</sup> until December 31<sup>st</sup>. The deadline for this submission is Friday. Mayor Reazin had a conflict with the date of the 30<sup>th</sup> for the next committee meeting and Commissioner Bruce volunteered to attend in the Mayor's place. The management intern Laura Freeman will report for work on Monday, August 3<sup>rd</sup>.

**Director of Public Works Branden Boyd** did not attend meeting.

**Police Chief Wes Lovett** – No comment.

**Fire Chief Ken Keiter** – No comment.

**Parks & Recreation Director Sally Pennington** reported the Aquatic Center received a surprise inspection from Douglas County and publicly praised her staff for achieving high marks for a well-run pool during the pandemic.

**City Clerk Pam Schmeck** commented 50 citizens have taken advantage of the COVID-19 payment plan option. The option has now been closed for consideration. The total amount of past due payments is in the amount of \$31,220.29.

**Mayor Reazin moved to adjourn**, motion seconded by Commissioner Bruce, all ayes, motion carried, 5-0.

Meeting adjourned at 8:19 pm.

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Tim Reazin, Mayor

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Pam Schmeck, City Clerk



## City of Eudora Police Department

Report Date Range: 07/01/2020 to 07/31/2020

### Dispatched Calls- Priority Level= 125

INCIDENT TYPE	# INCIDENTS	% of TOTAL
Medicals	27	21.60%
Adult/Child Welfare Checks	17	13.60%
Alarms	14	11.20%
Accidents	13	10.40%
Suspicious Activity	9	7.20%
Disturbances	8	6.40%
Other	37	29.60%
<b>TOTAL</b>	<b>125</b>	<b>100.00%</b>

### Dispatched Calls- Non-Priority= 146

INCIDENT TYPE	# INCIDENTS	% of TOTAL
Request Speak to Officer	51	34.93%
Animal Calls	16	10.96%
Motorist Assist	9	6.16%
Investigate Vehicle	9	6.16%
Parking Violations	9	6.16%
Fireworks Calls	8	5.48%
Other	44	30.14%
<b>TOTAL</b>	<b>146</b>	<b>100.00%</b>

## Self-Initiated Calls/Stops= 68

TYPE	#	
Traffic Stops	76	
Traffic Citations	9	also counts as a traffic stop
Criminal Citations	6	also counts as a traffic stop
Arrests	6	includes warrants served & DUI's
Warrants Served	2	
Attempted Warrants	1	
DUI's	0	
<b>TOTAL</b>	<b>100</b>	

**\*Total officer interactions for the month of July= 355**

### Investigations:

Detective Flick currently has 14 active cases: 4 burglaries, 6 sex crimes, 1 abuse case, 1 rape, 1 auto thefts. 26 cases are pending with the DA's office & court system. Detective Flick has closed 0 cases this month.

### News & Events:

### Other:

Curtis Isele has been hired as a police officer and has started field training.

# City of Eudora Fire Department

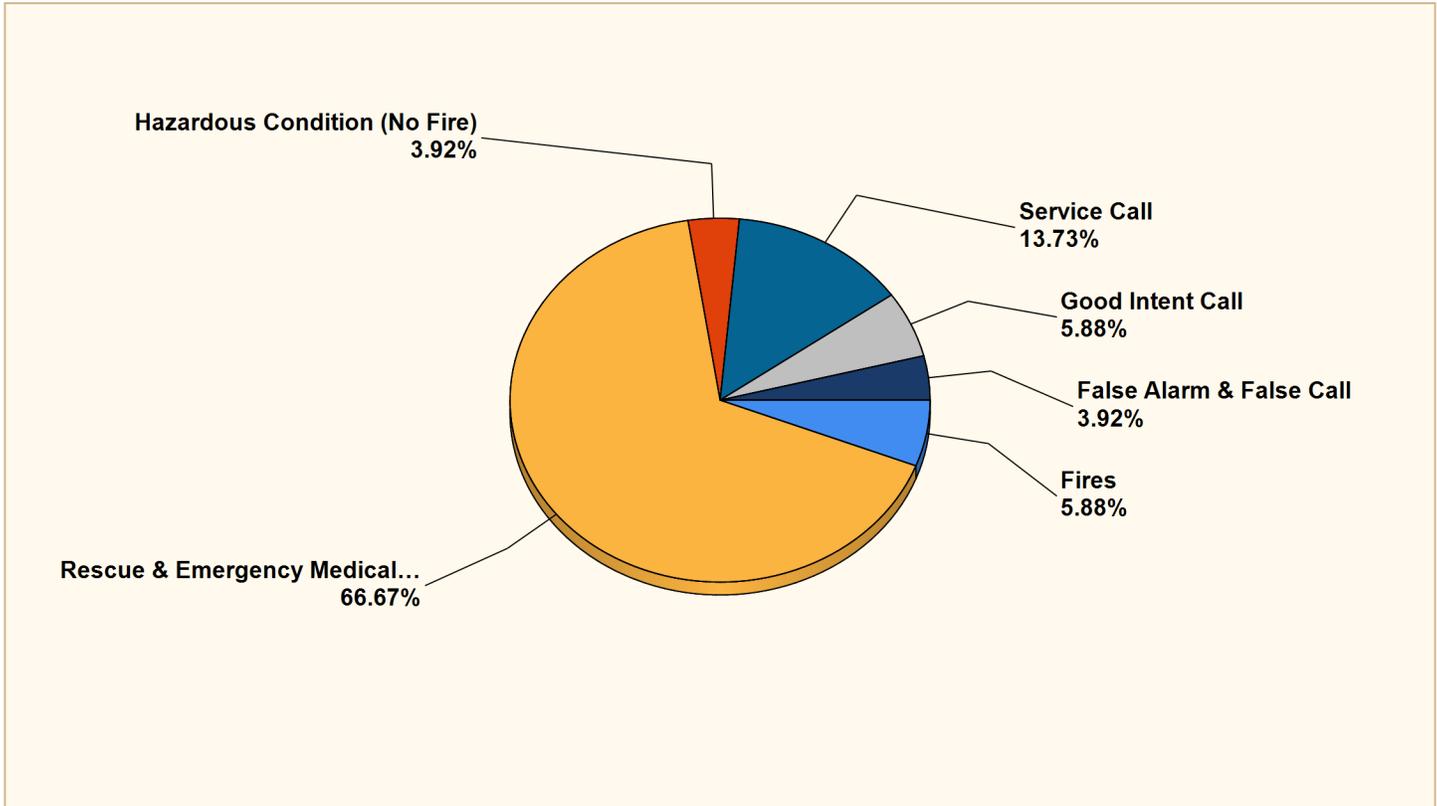
Eudora, KS

This report was generated on 8/3/2020 8:03:46 AM



## Breakdown by Major Incident Types for Date Range

Zone(s): All Zones | Start Date: 07/01/2020 | End Date: 07/31/2020



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	3	5.88%
Rescue & Emergency Medical Service	34	66.67%
Hazardous Condition (No Fire)	2	3.92%
Service Call	7	13.73%
Good Intent Call	3	5.88%
False Alarm & False Call	2	3.92%
<b>TOTAL</b>	<b>51</b>	<b>100%</b>

Only REVIEWED and/or LOCKED IMPORTED incidents are included. Summary results for a major incident type are not displayed if the count is zero.

### Detailed Breakdown by Incident Type

INCIDENT TYPE	# INCIDENTS	% of TOTAL
118 - Trash or rubbish fire, contained	3	5.88%
321 - EMS call, excluding vehicle accident with injury	30	58.82%
322 - Motor vehicle accident with injuries	1	1.96%
324 - Motor vehicle accident with no injuries.	1	1.96%
381 - Rescue or EMS standby	2	3.92%
412 - Gas leak (natural gas or LPG)	1	1.96%
424 - Carbon monoxide incident	1	1.96%
510 - Person in distress, other	1	1.96%
531 - Smoke or odor removal	1	1.96%
554 - Assist invalid	5	9.8%
622 - No incident found on arrival at dispatch address	2	3.92%
651 - Smoke scare, odor of smoke	1	1.96%
736 - CO detector activation due to malfunction	1	1.96%
745 - Alarm system activation, no fire - unintentional	1	1.96%
<b>TOTAL INCIDENTS:</b>	<b>51</b>	<b>100%</b>

Only REVIEWED and/or LOCKED IMPORTED incidents are included. Summary results for a major incident type are not displayed if the count is zero.

# City of Eudora Fire Department

Eudora, KS

This report was generated on 8/3/2020 8:11:29 AM



## Incident Statistics

Start Date: 07/01/2020 | End Date: 07/31/2020

INCIDENT COUNT			
INCIDENT TYPE		# INCIDENTS	
EMS		34	
FIRE		17	
<b>TOTAL</b>		<b>51</b>	
TOTAL TRANSPORTS (N2 and N3)			
APPARATUS	# of APPARATUS TRANSPORTS	# of PATIENT TRANSPORTS	TOTAL # of PATIENT CONTACTS
0	0	0	0
C1200	2	2	2
S1251	7	8	8
<b>TOTAL</b>	<b>9</b>	<b>10</b>	<b>10</b>
PRE-INCIDENT VALUE		LOSSES	
<b>\$0.00</b>		<b>\$0.00</b>	
CO CHECKS			
424 - Carbon monoxide incident		1	
736 - CO detector activation due to malfunction		1	
<b>TOTAL</b>		<b>2</b>	
MUTUAL AID			
Aid Type		Total	
OVERLAPPING CALLS			
# OVERLAPPING		% OVERLAPPING	
8		15.69	
LIGHTS AND SIREN - AVERAGE RESPONSE TIME (Dispatch to Arrival)			
Station	EMS	FIRE	
City of Eudora Fire Department	0:04:35	0:02:45	
<b>AVERAGE FOR ALL CALLS</b>		<b>0:03:55</b>	
LIGHTS AND SIREN - AVERAGE TURNOUT TIME (Dispatch to Enroute)			
Station	EMS	FIRE	
City of Eudora Fire Department	0:01:13	0:01:38	
<b>AVERAGE FOR ALL CALLS</b>		<b>0:01:21</b>	
AGENCY		AVERAGE TIME ON SCENE (MM:SS)	
City of Eudora Fire Department		22:59	

Only Reviewed Incidents included. CO Checks only includes Incident Types: 424, 736 and 734. # Apparatus Transports = # of incidents where apparatus transported. # Patient Transports = All patients transported by EMS. # Patient Contacts = # of PCR contacted by apparatus. This report now returns both NEMSIS 2 & 3 data as appropriate. For overlapping calls that span over multiple days, total per month will not equal Total count for year.

City of Eudora, KS - Treasurer's Quarterly Report  
 Period of April 1 to June 30, 2020

Fund Name	Cash Balance 04/01/2020	Receipts	Disbursements	Cash Balance	Liabilities and Encumbrances	Cash Balance 06/30/2020
General Fund	1,857,401.94	1,163,080.10	944,995.32	2,075,486.72	(8,810.39)	2,084,297.11
Bond and Interest Fund	191,186.75	138,827.93	-	330,014.68	-	330,014.68
Refuse Fund	227,023.52	130,757.61	80,004.05	277,777.08	-	277,777.08
Electric Fund	2,982,209.00	950,759.24	1,038,022.53	2,894,945.71	(573.64)	2,895,519.35
Water Fund	381,152.59	294,086.13	217,812.82	457,425.90	(8,702.13)	466,128.03
Water Impact Fund	53,940.00	4,500.00	-	58,440.00	-	58,440.00
Sewer Fund	626,425.93	296,750.95	167,364.36	755,812.52	(3,278.89)	759,091.41
Sewer Impact Fund	497,770.49	29,250.00	-	527,020.49	-	527,020.49
Storm Drainage Fund	123,995.56	34,366.75	939.00	157,423.31	-	157,423.31
Capital Improvements Fund	634,844.82	258,567.78	332,869.27	560,543.33	(3,465.00)	564,008.33
Special Highway Fund	406,596.96	48,118.03	4,422.50	450,292.49	-	450,292.49
Equipment Reserve Fund	73,748.57	-	11,546.00	62,202.57	-	62,202.57
Employee Benefit Fund	4,795.74	-	339.24	4,456.50	-	4,456.50
Park Impact Fund	68,846.12	3,818.95	-	72,665.07	-	72,665.07
Public Assistance Fund	370.50	63.00	375.50	58.00	-	58.00
Efficiency Kansas Loan Fund	524.35	243.75	-	768.10	-	768.10
Emergency Grant Fund	207.11	-	-	207.11	-	207.11
Clearing Fund	14,642.92	-	-	14,642.92	141.69	14,501.23
<b>Grand Total</b>	<b>8,145,682.87</b>	<b>3,353,190.22</b>	<b>2,798,690.59</b>	<b>8,700,182.50</b>	<b>(24,688.36)</b>	<b>\$ 8,724,870.86</b>

Outstanding Indebtedness	Total	Bank Accounts and Investments	Total
G.O. Bond Series 2019-A	995,000.00	Kaw Valley State Bank Checking	7,284,577.49
G.O. Bond Series 2016-A	1,110,000.00	Outstanding Warrants	(206,491.21)
G.O. Bond Series 2013-A	1,625,000.00	Outstanding Deposits	29,050.72
G.O. Bond Series 2013-B	1,485,000.00	Kaw Valley State Bank Cd's	1,319,725.15
G.O. Bond Series 2012-A	1,970,000.00	Mutual Savings Cd's	188,008.71
G.O. Bond Series 2010-A	190,000.00	Central Bank of Midwest Cd's	110,000.00
KDHE Revolving Loan	1,447,874.66	<b>Grand Total</b>	<b>\$ 8,724,870.86</b>
KDHE Water Supply Loan	601,309.00		
US Bankcorp	1,204,036.33		
John Deere Financial	25,068.12		
<b>Grand Total</b>	<b>\$ 10,653,288.11</b>		

I, Renee Davis, Eudora City Treasurer, do hereby certify the statement provided is true and correct at the time of publication in the Lawrence Journal World.  
 Published quarterly in accordance with KSA 12-1608 and 12-1609.



## Agenda Statement

**Date:** August 10, 2020  
**To:** Mayor and City Commission  
**From:** Barack Matite, City Manager  
Renee Davis, Budget Analyst/Treasurer  
**Re:** 2021 Budget Public Hearing

### **Background**

Per state statute KSA 79-2933, a public hearing must be held prior to adoption of the budget by the City Commission. The hearing allows citizens to comment on the proposed 2021 budget prior to adoption by the City Commission.

**Budget Impact** – N/A

**City Manager Approval** – N/A

### **Recommended Commission Action**

*Suggested Motion:* N/A



## **Agenda Statement**

**Date:** August 10, 2020  
**To:** Mayor and City Commissioners  
**From:** Barack Matite, City Manager  
Renee Davis, Budget Analyst/Treasurer  
**Re:** Adoption of the 2021 Proposed Budget

### **Background**

K.S.A. 79-2933 requires all municipalities to submit a budget to the state. K.S.A. 79-2934 authorizes budget authority (expenditure level of the municipality). K.S.A. 79-1801 requires the Governing Body to adopt and submit the City budget by August 25<sup>th</sup> of each fiscal year.

Following the public hearing, the City Commission may make final adjustments to the proposed 2021 budget before it is approved and adopted.

**Budget Impact** – N/A

**City Manager Approval** – N/A

### **Recommended Commission Action**

*Suggested Motion:* I move the City Commission adopt the proposed 2021 budget in an amount not to exceed \$19,600,952.

City of Eudora, Kansas  
*Capital Improvement Plan*  
 2020 thru 2025

**PROJECTS BY DEPARTMENT**

Department	Project #	2020	2021	2022	2023	2024	2025	Total
<b>Administration Department</b>								
City Hall Equipment	AD2101		10,800					10,800
New City Hall Building	AD-TBD1				1			1
Benchmarking & Organizational Mgt. Study	AD-TBD2				31,790			31,790
Entry Sign #3 (5th & Main St.)	AD-TBD3				35,000			35,000
<b>Administration Department Total</b>			<b>10,800</b>		<b>66,791</b>			<b>77,591</b>
<b>Aquatic Department</b>								
Pool Resurface and Paint	AQ2020	53,940						53,940
Pool Leak Repair	AQ2048	20,000						20,000
Aquatic Spray Feature	AQ-TBD1				6,700			6,700
Pool Climbing Wall Addition	AQ-TBD2				8,030			8,030
<b>Aquatic Department Total</b>		<b>73,940</b>			<b>14,730</b>			<b>88,670</b>
<b>Fire Department</b>								
Fire Hoses and Nozzles+C24	FD16.15	7,156						7,156
SCBA, Bottle, Mask & Scott 4500, Carbon Cyl. (18)	FD16.28	61,028						61,028
EMS Response Vehicle	FD2022	52,662						52,662
Vehicle Radio (10) & Portable Radio (28)	FD-TBD1			98,392	101,836			200,228
Aerial Apparatus - Quint Fire Truck	FD-TBD2						1,300,000	1,300,000
Specialized Brush Truck	FD-TBD3				175,000			175,000
<b>Fire Department Total</b>		<b>120,846</b>		<b>98,392</b>	<b>276,836</b>		<b>1,300,000</b>	<b>1,796,074</b>
<b>Parks/Recreation Department</b>								
Bluejacket Trail Extension Phase II	PR2001	443,508						443,508
2020 John Deere 60" Zero Turn Mowers (2)	PR2035	19,470						19,470
Lucy Kaegi Trail - Grant	PR2039	56,014						56,014
Deep Tine Aerator	PR2104		7,800					7,800
Music Playground - Bluejacket Park	PR2105		8,236					8,236
John Deere UTV Gator	PR2106		14,000					14,000
Strength Equipment for Fitness Room	PR2107		5,000					5,000
Abraham Still Park Shelter	PR-TBD1			15,600				15,600
East Ball Field Renovations	PR-TBD10				10,000			10,000
Shade Canopy Structures for City Parks	PR-TBD11				15,000			15,000
Park Mulch Replacement - Wood to Rubber	PR-TBD13			20,274				20,274
Improve Park Lighting	PR-TBD14			5,400	5,600	5,800	6,200	23,000
P&R Chevy Colorado Truck	PR-TBD2			27,500				27,500
South Sports Complex	PR-TBD3	150,000	100,000					250,000
A/C Unit Replacement Plan	PR-TBD5			15,000	41,600	24,840	22,400	103,840
West Sports Complex Improvements	PR-TBD6				1			1

Department	Project #	2020	2021	2022	2023	2024	2025	Total
Tennis Courts	PR-TBD7					145,000		145,000
Pilla Park Improvements	PR-TBD8			193,606				193,606
CPA Park Improvements	PR-TBD9					1		1
Sidewalk and Trail Improvements	PRYR.TBD	100,000	100,000	100,000	100,000	100,000	100,000	600,000
<b>Parks/Recreation Department Total</b>		<b>768,992</b>	<b>235,036</b>	<b>377,380</b>	<b>172,201</b>	<b>275,641</b>	<b>128,600</b>	<b>1,957,850</b>

### Police Department

Live Data Storage & Backup	PD2029	4,552						4,552
Police Patrol Ford Explorer	PD2102		32,500	32,500	32,500	32,500		130,000
Mobile Data Terminals (6)	PD2103		16,594					16,594
<b>Police Department Total</b>		<b>4,552</b>	<b>49,094</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>		<b>151,146</b>

### Public Works

Excavator	PW1612	26,025	26,025					52,050
John Deere 324L - 4WD Loader	PW2011	16,096	28,800	28,800	28,800			102,496
Single Drum Roller Compactor	PW2012	34,068						34,068
Bradco 24" Milling Head	PW2013	11,241						11,241
Nottingham Site Work & Infrastructure	PW2045	9,000,000						9,000,000
Snow Plow & Spreader	PW2103	11,546						11,546
Used Fork Lift	PW-TBD1				12,045			12,045
Public Works Office Work Stations	PW-TBD10				39,547			39,547
Trailer Mount Vac-Machine	PW-TBD11				78,400			78,400
John Deere UXV835M UTV	PW-TBD12			27,926				27,926
New Public Works Facility	PW-TBD13					4		4
2020 F450 Truck & Knapheide Dump Bed	PW-TBD14				48,800			48,800
John Deere 50G Compact Excavator	PW-TBD15				52,898			52,898
John Deere 333G Compact Track Loader	PW-TBD16				61,082			61,082
John Deere XUV835M UTV	PW-TBD2				25,819			25,819
Asset Management Software	PW-TBD3				30,240			30,240
Street Sweeper - Ravo 5 iSeries	PW-TBD4				252,000			252,000
Cemetery Fencing	PW-TBD5						97,200	97,200
Cemetery Entrance Signs	PW-TBD6						60,000	60,000
Cemetery Software	PW-TBD7						20,784	20,784
Brush Dump Trench Burner	PW-TBD8				41,947			41,947
Public Works Office Expansion	PW-TBD9				116,978			116,978
<b>Public Works Total</b>		<b>9,098,976</b>	<b>54,825</b>	<b>56,726</b>	<b>788,556</b>	<b>4</b>	<b>177,984</b>	<b>10,177,071</b>

### Public Works - Electric

Altec 55' Digger Truck	EL2030		72,938	72,938	72,938	72,938	72,938	364,690
Intech Park Electric West Feed Phase II	EL2031	58,385						58,385
Intech Park Electric West Feed Phase I	EL2032	40,839						40,839
Intech Park Electric West Feed Phase III	EL2033	20,332						20,332
Hunters Ridge Phase I	EL2108		48,859					48,859
Hunters Ridge Phase II	EL2109		82,782					82,782
Hunters Ridge Phase III	EL2110		93,159					93,159
HP Pelzer Loop Feed Phase I	EL-TBD1				89,986			89,986
SCADA System	EL-TBD10			28,325	29,175	30,050	30,951	118,501
Winchester Substation Circuit - Phase B	EL-TBD11			66,000				66,000
Winchester Second Feeder (500 MCM)	EL-TBD12			103,000	106,090			209,090
New Breaker @ Substation - Feeder No. 5	EL-TBD13				87,524			87,524
HP Pelzer Loop Feed Phase II	EL-TBD2				28,508			28,508
HP Pelzer Loop Feed Phase III	EL-TBD3				65,748			65,748

Department	Project #	2020	2021	2022	2023	2024	2025	Total
HP Pelzer Loop Phase IV	EL-TBD4				19,056			19,056
206 Altec Bucket Truck	EL-TBD5				278,530			278,530
Winchester Substation Circuit - Phase A	EL-TBD6			66,000				66,000
Downtown Circuit Wire Phase I	EL-TBD7				39,671			39,671
Second Feeder (500 MCM) - Downtown	EL-TBD8					225,102		225,102
Electric Back Yard Machine	EL-TBD9						180,000	180,000
<b>Public Works - Electric Total</b>		<b>119,556</b>	<b>297,738</b>	<b>336,263</b>	<b>817,226</b>	<b>328,090</b>	<b>283,889</b>	<b>2,182,762</b>

### Public Works - Special Highway

8th, 9th and Church Street Reconstruction	ST2031	397,797						397,797
Section 5 Chip Seal - Curb & Gutter Replacement	ST2032	44,091						44,091
Mill & Overlay Section E	ST2033	160,756						160,756
Asphalt Joint Repair - Intech Business Park	ST2034	67,298						67,298
Section F (Winchester) Mill & Overlay	ST2125		386,672					386,672
Section 2 Chip Seal - Curb & Gutter Replacement	ST2224			119,858				119,858
Section G Mill & Overlay	ST2225			276,345				276,345
Section 3 Chip Seal - Curb & Gutter Replacement	ST2324				124,402			124,402
Section H Mill & Overlay	ST2325				393,176			393,176
Section 4 Chip Seal - Curb & Gutter Replacement	ST2424					127,102		127,102
Section I Mill & Overlay (Shadow Ridge)	ST2425					260,826		260,826
Section 5 Chip Seal - Curb & Gutter Replacement	ST2524						78,760	78,760
Section J Mill & Overlay (Shadow Ridge)	ST2525						364,140	364,140
Mill & Overlay - 10th, 20th, Main & Church Streets	ST-TBD1						24,987,120	24,987,120
9th St. Bridge Repair	ST-TBD2				461,440			461,440
<b>Public Works - Special Highway Total</b>		<b>669,942</b>	<b>386,672</b>	<b>396,203</b>	<b>979,018</b>	<b>387,928</b>	<b>25,430,020</b>	<b>28,249,783</b>

### Public Works - Storm Drainage

Storm Water Study	SD2046	39,650						39,650
City-Wide Storm Drainage Improvements	SDYR.TBD	35,000	35,000	35,000	35,000			140,000
<b>Public Works - Storm Drainage Total</b>		<b>74,650</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>			<b>179,650</b>

### Public Works - Wastewater

Main Lift Station Design & Tie-In to WWTP	WW2047	100,000						100,000
Back-UP Blower	WW2118		13,520					13,520
UV Lights & New Gates on South Side	WW2119		46,800					46,800
Upgrade New Channel, Relay & Gates on North	WW2120		41,600					41,600
Upgrade RAS & WAS	WW2121		26,000					26,000
Upgrade Peach Street Lift Station	WW2122		183,872					183,872
Construct New Main Lift Station (influent)	WW2123		1,500,000					1,500,000
Grit Chamber Upgrade - Design & Testing	WW-TBD10					190,936		190,936
UV System Upgrades	WW-TBD11						565,344	565,344
Whole System CCTV Evaluation & Flow Monitoring	WW-TBD15						283,920	283,920
Upgrade Intech Lift Station	WW-TBD18			198,612				198,612
Upgrade Meadowlark Lift Station	WW-TBD19				222,768			222,768
Sewer Pipe Inspection Software	WW-TBD2			16,224				16,224
Grit Chamber Upgrade - Construct & Inspect	WW-TBD20						774,472	774,472

Department	Project #	2020	2021	2022	2023	2024	2025	Total
Wastewater Office Work Stations	WW-TBD3				7,515			7,515
Expansion of Parts Building	WW-TBD4						30,000	30,000
Total Phosphorus Addition - Design	WW-TBD5				6,619	61,700		68,319
Total Phosphorus Addition - Construct	WW-TBD6						437,174	437,174
Belt Press - Belt Replacement	WW-TBD7			5,400		5,800		11,200
Wastewater Camera Truck	WW-TBD8			160,000				160,000
<b>Public Works - Wastewater Total</b>		<b>100,000</b>	<b>1,811,792</b>	<b>380,236</b>	<b>236,902</b>	<b>258,436</b>	<b>2,090,910</b>	<b>4,878,276</b>
<b>Public Works - Water</b>								
Filter Valve Replacement Program	WT1736	40,000						40,000
Replace Center Bearing & Sandblast/Paint Basin 1	WT2041	108,500						108,500
Sandblast & Paint Filters, Valves & Pipes	WT2114		41,600					41,600
Upgrade PLC (software control system)	WT2115			78,000				78,000
Replace Lime Feeder	WT2116		47,840					47,840
Improve Backwash Holding Tanks	WT2117			68,640				68,640
Replace Center Bearing & Sandblast/Paint Basin 2	WT2126		110,000					110,000
Relocate Well #5	WT-TBD1				331,520			331,520
Clean & Inspect Clear Well	WT-TBD10			54,000				54,000
Flood Protection Improvements	WT-TBD2				55,552			55,552
Loop Water Mains - 8th, OCL Dr. & Church St.	WT-TBD3					87,696		87,696
Replace Transfer Pump #3	WT-TBD6			31,320				31,320
Water Plant Work Stations	WT-TBD7				11,110			11,110
Replace Filter PLC	WT-TBD9			46,440				46,440
<b>Public Works - Water Total</b>		<b>148,500</b>	<b>199,440</b>	<b>278,400</b>	<b>398,182</b>	<b>87,696</b>		<b>1,112,218</b>
<b>GRAND TOTAL</b>		<b>11,179,954</b>	<b>3,080,397</b>	<b>1,991,100</b>	<b>3,817,942</b>	<b>1,370,295</b>	<b>29,411,403</b>	<b>50,851,091</b>

July 16, 2020

To the Honorable Mayor and City Commission  
Eudora City Hall  
Eudora, Kansas

Dear Mayor and City Commissioners:

The proposed 2021 Operating and Capital Budget for the City is ready for your consideration. I applaud the leadership team for working together to prepare a budget that strives to achieve the City Commission's priorities.

At the beginning of this year, Commissioner Roberta Lehmann was sworn in and joined the governing body. Although there was only one new commissioner, the governing body decided to revisit the 2016 strategic plan and make updates, if needed. With the vision of providing "*opportunities for all to enjoy and grow in a safe and thriving community*", the city commissioners came together to reconsider this vision and identify goals to achieve its common vision. The strategic planning workshop started in March 2020 with the commission discussing how they can be a more effective governing body. Due to the COVID-19 pandemic, the process took a pause and reconvened in June 2020.

Following a lengthy discussion, the Commission outlined the critical success factors and their priority goals. Below is a summary of the results of the workshop.

Critical Success Factor	Priority Goals
<b>Economic Development:</b> <i>Provide an environment for new and existing business to grow and co-exist</i>	Create a regional youth sports complex to be the key focus of economic development initiatives
<b>Parks and Recreation:</b> <i>Provide a variety of quality facilities, programs and services to enhance and promote healthy lifestyles</i>	Develop a system bike and pedestrian trail system
<b>Expanding City Services:</b> <i>The ability to support the growth of an independent community</i>	Priority goals identified in this category are represented in the infrastructure critical success factor.
<b>Infrastructure:</b> <i>To enhance security and confidence in the consistency of services through effective, efficient and innovative infrastructure in our community.</i>	Construct a new water treatment plant
	Create a pedestrian bridge over K-10.
<b>Communication and Community Engagement:</b> <i>Facilitate reciprocal conversation that inspires citizen leadership and involvement in realizing the community vision for Eudora.</i>	Establish a staff position dedicated to communication

## **COVID-19:**

The uncertainties related to the impact of the Covid-19 pandemic on the City's operations have made this a particularly difficult year to prepare the budget. At this point, the actual impact is still unknown due to the lag in reporting of certain key revenue such as sales tax. The staff has prepared a moderate budget, i.e. forecasting revenues at the lower end of expectations and expenses on the higher side. Because of the fluidity of the impacts of the ongoing pandemic, staff will continue to monitor the revenue and expenditure estimates and adjust accordingly. The only measurable impact is the revenue reduction due to the Commission's policy to suspend the assessment of the utility late fees and penalties. The cost to the three utilities was approximately \$30,000 in total. Sales tax year to date as of June is down approximately 1% when comparing 2019 to 2020.

## **Personnel**

Over the years, the leadership team and the commission have had discussions about the need to add staff capacity in various departments to not only meet the ever increasing demands from those we serve but also adequately manage the rapid growth we are experiencing and prepare ourselves to be even more resilient. The proposed 2021 budget includes a new position in the City Manager's Office, the Police Department, and a reclassified position in the Public Works Department. If approved, these new positions will add the much-needed capacity in these departments thus improving their efficacy.

Our employees are our biggest asset. Amid the ongoing global health pandemic, they have truly stepped up and adjusted to this new normal and have continued to be committed to providing the best service to all those we serve. To that end, the 2021 budget includes a recommend three percent wage increase. We have also ensured that they have everything they need to be safe as they carry out their respective tasks.

## **Key Budget Notes:**

### A. Personnel

- i.) In 2019, the City and Eudora School District agreed to jointly fund a new School Resource Officer position. The 2021 proposed budget 2021 reflects this revenue and expenditure in the Police Department. Both one-time and ongoing costs associated with this position were shared: 67% by Eudora Schools and 33% by City of Eudora.
- ii.) One full time police officer and an assistant city manager positions are added for 2021.
- iii.) The vacant field operations worker position was eliminated to create an Engineering Technician position at Public Works.

- iv.) The proposed 2021 Budget includes volunteer firefighter wage increasing by \$1.00 to \$14.00 per hour/per call.

B. Capital Outlay

- i.) The water and wastewater infrastructure studies were completed in 2019 and presented before the City Commission. The studies provided an in depth look at the City's infrastructure and proposed both short-term and long-term improvements that must be addressed. The 2021 budget reflects the continued funding of the proposed improvements.
- ii.) The results of the electric infrastructure study continue to be implemented in the 2021 budget.

**2021 Budget Highlights**

- The overall assessed valuation for the City is increased by seven percent (7%) or approximately \$136,000.
- No mill levy increase is proposed.
- The budget assumes a ten percent (10%) increase in health insurance costs to the City.
- An eight percent (8%) rate increase in water and a two percent (2%) rate increase in wastewater is proposed for 2021.
- No electric rate increase is proposed.
- An overall three percent (3%) wage adjustment is recommended. Two percent (2%) of the recommended adjustment will be based on merit.

*Proposed 2021 equipment purchases include:*

- Replace one police patrol vehicle (\$32,500)
- UTV gator (\$14,000)

**2021 Highlights of Select Funds**

*General Fund*

- FY 2021 revenue includes a seven percent (7%) increase in assessed valuation. (2020 budget year \$47,943,740 to \$51,380,082 for 2021 budget year)
- The mill levy remains flat.
- Expenditures assume a ten percent (10%) increase in healthcare premiums.
- Ending fund balance remains within the reserve fund policy at 21%.

*Electric Fund*

- No rate increase is proposed.
- Hunters Ridge phases I, II, and III (\$225,000 total).

- Ending fund balance is projected to be at 49% which is above the reserve fund policy.

*Water Fund*

- FY 2021 revenue estimate includes an eight percent (8%) rate increase.
- Water plant equipment and facility improvements (\$236,000 total).
- Ending fund balance remains within the reserve fund policy at 23%.

*Wastewater Fund*

- FY 2021 revenue estimate includes a two percent (2%) rate increase.
- \$183,000 for the Peach Street pump station upgrades will be paid from the Wastewater Impact Fund in 2021.
- Main Lift Station (Influent) upgrades and improvements to the East Interceptor Tie into Wastewater Treatment Plant totaling an estimated \$1,800,000 are anticipated to be made in 2021. The funds for this project will be provided by GO bonds to be sold during 2021 with the first payment being due in 2022.
- Equipment and systems upgrade in the Wastewater Plant totaling \$128,000 are budgeted for 2021.
- Ending fund balance is above the reserve fund policy at 41%.

As proposed, the recommended 2021 Operating and Capital Budget is \$15,491,448. The FY 2020 estimated total reserve fund balance is estimated to be \$6,220,861. Details of the proposed budget accompany this letter and further discussion will be had at a budget work session scheduled for July 20<sup>th</sup> at 5:00 PM. As always, the submission of this budget would not be possible without the efforts of Renee Davis and the assistance of Brad Smith.

I look forward to having an in-depth discussion on the proposed budget.

Sincerely,

Barack Matite  
City Manager

# City Services

Here are just a few of the services Eudora provides.....



**Administration.....**  
 Public information, utility billing, budget, planning & zoning, building permits, contractor license, human relations, economic development, municipal court services, City Ordinances, City newsletter, & much more.....

**Parks, Recreation, & Aquatics.....**  
 Youth and adult sports, after-school care & summer camp, work-out facility, special events, day trips, parks, walking trails, 4th of July fireworks display, swimming lessons, & much more.....



**Public Safety.....**  
 Most importantly, they keep our community safe! Fire and medical services, fire inspections, police patrol, animal control, school resource services, investigations, community education, & much more.....

**911**



**Public Works.....**  
 Sewage collection & processing, water processing & distribution, maintain electric service, fix pot holes, maintain & reconstruct public streets & curbs, maintain public brush pile, street signs, snow removal, storm drainage, cemetery services, City mowing, maintain City infrastructure, & much more.....

**Executive Staff & Contact Number**

<b>City Manager</b>	Barack Matite	<i>option 3</i>
<b>Management Analyst</b>	Jeff Rhodes	<i>option 3</i>
<b>City Clerk</b>	Pam Schmeck	<i>option 3</i>
<b>Parks &amp; Recreation Director</b>	Sally Pennington	<i>option 6</i>
<b>Fire Chief</b>	Ken Keiter	<i>option 4</i>
<b>Police Chief</b>	Wes Lovett	<i>option 5</i>
<b>IT Analyst</b>	Adam Nichol	<i>option 3</i>
<b>Director of Public Works</b>	Branden Boyd	<i>option 7</i>

# What are other cities doing?

What are neighboring cities proposing for their 2021 budget?



**?** Will your city propose a wage increase?

Baldwin City	Yes 2%
Lenexa	Yes 2%
Edgerton	Undecided
DeSoto	1.5% COLA & No answer
Tonganoxie	yes, up to 5% merit
Gardner	No - 0% increase
Leavenworth	yes, 2.5% COLA <i>(Additionally, Leavenworth conducted a wage study in 2018 - wage adjustments will be phased in over 5 year pd)</i>
<b>Eudora</b>	<b>yes, 1% COLA &amp; up to 2% merit</b>

**?** Will your city propose a mill increase, decrease or remain flat?

Baldwin City	Remain flat
Lenexa	Remain flat
Edgerton	Information not available
DeSoto	Yes, 0.149 increase
Tonganoxie	Remain flat
Gardner	Remain flat
Leavenworth	City remain flat, Library requested increase
<b>Eudora</b>	<b>Remain flat</b>

**?** Will utilities does your City provide?

Baldwin City	Electric, Water, Waste Water & Refuse
Edgerton	Water, Waste Water & Refuse
DeSoto	Water & Waste Water
Tonganoxie	Water, Waste Water, Storm Drainage & Refuse
Gardner	Electric, Water, & Waste Water
Leavenworth	Waste Water & Refuse
<b>Eudora</b>	<b>Electric, Water, Waste Water, Storm Drainage &amp; Refuse</b>

**?** Will your city propose a utility rate increase?

Baldwin City	Not at this time
Lenexa	Not at this time
Edgerton	Yes, water - 1.5%, Waste Water - 3%
DeSoto	Yes, water - 1.5%, Waste Water - 1.5%
Tonganoxie	Not at this time
Gardner	Yes, water 3.7%
Leavenworth	Yes, wastewater 3% & refuse 0%
<b>Eudora</b>	<b>yes, water 8% &amp; wastewater 2%</b>

**?** How has the COVID-19 affected your City Budget?

<b>Baldwin City</b>	No impact on 2021 Budget
<b>Lenexa</b>	Significant revenue decreases, 15% reduction in sales/use tax
<b>Edgerton</b>	Decreased sales/use & gas tax in 2020. Reduced utility penalties also.
<b>DeSoto</b>	Undertainty about sales/use tax for 2020 and 2021
<b>Tonganoxie</b>	Lower revenue projections for gas and sales/use tax.
<b>Gardner</b>	Reduced General Fund revenue for 2020 by \$1.2 million.
<b>Leavenworth</b>	Largely undetermined at this point. Cancelled some CIP projects for now.
<b>Eudora</b>	Primarily reduced sales/use tax and utility penalties in 2020.

**?** What changes have you made to recover from the Affects of COVID-19?

<b>Baldwin City</b>	No changes.
<b>Lenexa</b>	Suspended hiring of open jobs, reduced travel and postponed some CIP.
<b>Edgerton</b>	Suspended hiring of open jobs. Evaluating equipment & CIP projects.
<b>DeSoto</b>	<i>Holding contractual &amp; commodity spending flat for 2020 &amp; 2021.</i>
<b>Tonganoxie</b>	<i>No response.</i>
<b>Gardner</b>	<i>Budget cuts in the General Fund &amp; some hiring freeze. Closing Aquatic Ce</i>
<b>Leavenworth</b>	Froze hiring vacant unless critical, cancelled travel for nonessential reasons
<b>Eudora</b>	Nothing specifically related to recovery beyond the previous question.

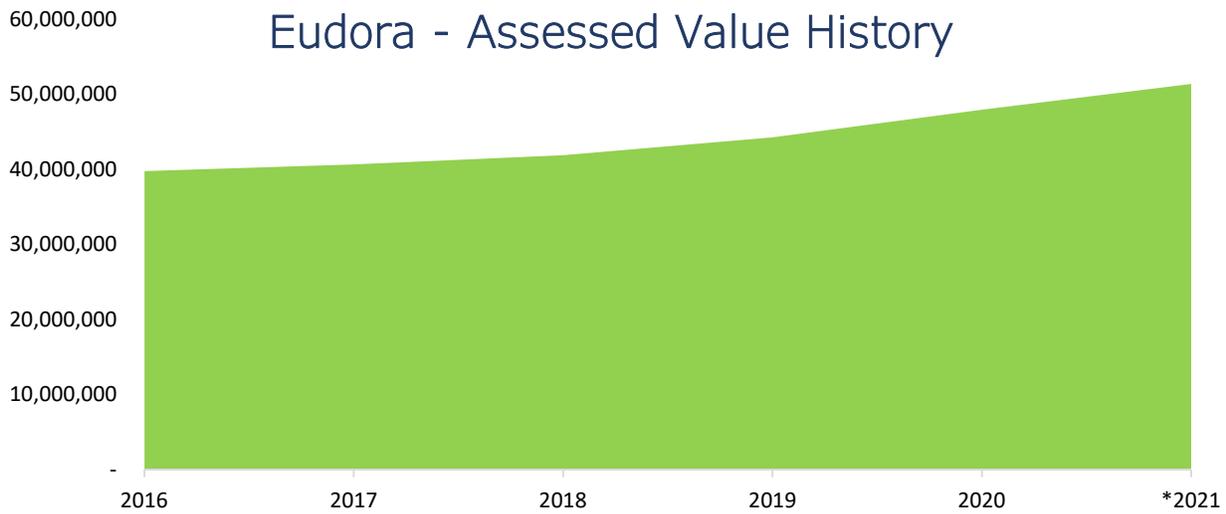
History of Assessed Value & Mill Levy

# Assessed Value & Mill Levy

## Assessed Value & Mill Levy History for Eudora

**Assessed Value:** The assessed value is the dollar value assigned to a property to measure applicable taxes.

**Mill Levy:** The mill levy is the tax rate that is applied to the assessed value of a property. One mill is one dollar per 1,000 dollars of assessed value.



Budget Year	Mill Levy	Assessed Value	Value of One Mill	Adjustment %
2016	33.980	39,769,572	39,770	2%
2017	39.510	40,661,535	40,662	2%
2018	39.499	41,900,745	41,901	3%
2019	39.506	44,258,104	44,258	6%
2020	39.506	47,943,740	47,944	8%
<b>*2021</b>	<b>39.506</b>	<b>51,380,082</b>	<b>51,380</b>	<b>7%</b>

- Q.** What does it mean to the City's 2021 budget if the proposed mill remains flat but the estimated assessed value increases 7%?
- A.** Since assessed value dictates mill value, any increase in assessed value equally increases mill value. Although the mill levy proposed for the 2021 budget remains flat @ 39.506, the 7% increase in assessed value results in **\$136,000 additional tax revenue** for the City.

*\*Eudora estimated assessed value from Douglas County for the 2021 budget year. Douglas County will distribute the City's final 2020 assessed value in November following adoption of the 2021 budget by the City Commission in August.*

# Property Tax Overview

# Property Tax Dollar

## Total Estimated Mill Levy for Eudora Residents

City of Eudora	39.506
State of Kansas	1.500
Douglas County	46.015
USD 491	70.627
Eudora Com Library	4.309
<b>Total</b>	<b>161.957</b>

The City of Eudora receives 24¢ (less than 25%) of each tax dollar. Eudora schools receive 44¢ (nearly half) of each tax dollar and Douglas County receives 28¢, State of Kansas receives 1¢ and the Eudora Community Library receives 3¢.



## How to Calculate Your Property Tax Bill

(calculation based on \$250,000 home)

- Determine the assessed valuation for your residential property by multiplying the fair market value of your home by 11.5%.
 

\$	250,000	(home value)
	11.50%	
\$	28,750	(assessed valuation)
- Multiply your assessed valuation by the **total** mill rate for your City.
 

\$	28,750	
	161.957	(estimated mill levy)
\$	4,656,264	
	1,000	
\$	4,656	(estimated tax liability)
- Divide the total by 1,000.

**Total tax liability**

## How Your Tax Bill is Distributed

City of Eudora	39.506	\$	1,136	(less than 25% to City)
State of Kansas	1.500	\$	43	
Douglas County	46.015	\$	1,323	
USD 491	70.627	\$	2,031	
Township Library	4.309	\$	124	
<b>Total</b>	<b>161.957</b>	<b>\$</b>	<b>4,656</b>	



*Proposed 2021 Utility Rate Increase & Impact*

# Utility Rates...

## Impact of 8% Utility Rate Increase in Water - and 2% in Wastewater & History of Utility Rate Increases

<i>Impact of 8% Water Rate Increase</i>		2020 Current Water Rates	2021 Proposed Water Rates	Difference
<i>(base fee includes 1st 1k gallons)</i>				
	Base Fee	17.19	18.57	1.38
	Per 1k gallons	6.60	7.13	0.53
	<b>Total</b>	<b>23.80</b>	<b>25.70</b>	<b>1.90</b>

*Monthly Residential Utility Bill Impact - (5k gallons of usage)*

	2020	2021	Difference
Base Fee	17.19	18.57	1.38
Usage	26.40	28.52	2.12
<b>Total</b>	<b>43.59</b>	<b>47.09</b>	<b>3.50</b>

*Note - Monthly water charges are based on actual water usage.*

<i>Impact of 2% Wastewater Rate Increase</i>		2020 Current Wastewater Rates	2021 Proposed Wastewater Rates	Difference
<i>(base fee includes 1st 1k gallons)</i>				
	Base Fee	26.19	26.71	0.52
	Per 1k gallons	4.93	5.03	0.10
	<b>Total</b>	<b>31.12</b>	<b>31.74</b>	<b>0.62</b>

*Monthly Residential Utility Bill Impact - (5k gallon average)*

	2020	2021	Difference
Base Fee	26.19	26.71	0.52
Usage	19.72	20.12	0.40
<b>Total</b>	<b>45.91</b>	<b>46.83</b>	<b>0.92</b>

*Note - Monthly wastewater charges for residential properties are based on the customer's average water usage for the previous December, January & February. Wastewater charges for commercial properties are based on actual water usage per month.*

### History of Utility Rate Increases

	Year	Electric	Water	Wastewater
<i>Proposed</i>	2021	0%	8%	2%
	2020	0%	7%	7%
	2019	0%	6%	6%
	2018	3%	5%	3%
	2017	5%	3%	4%

# Project & Equipment Requests

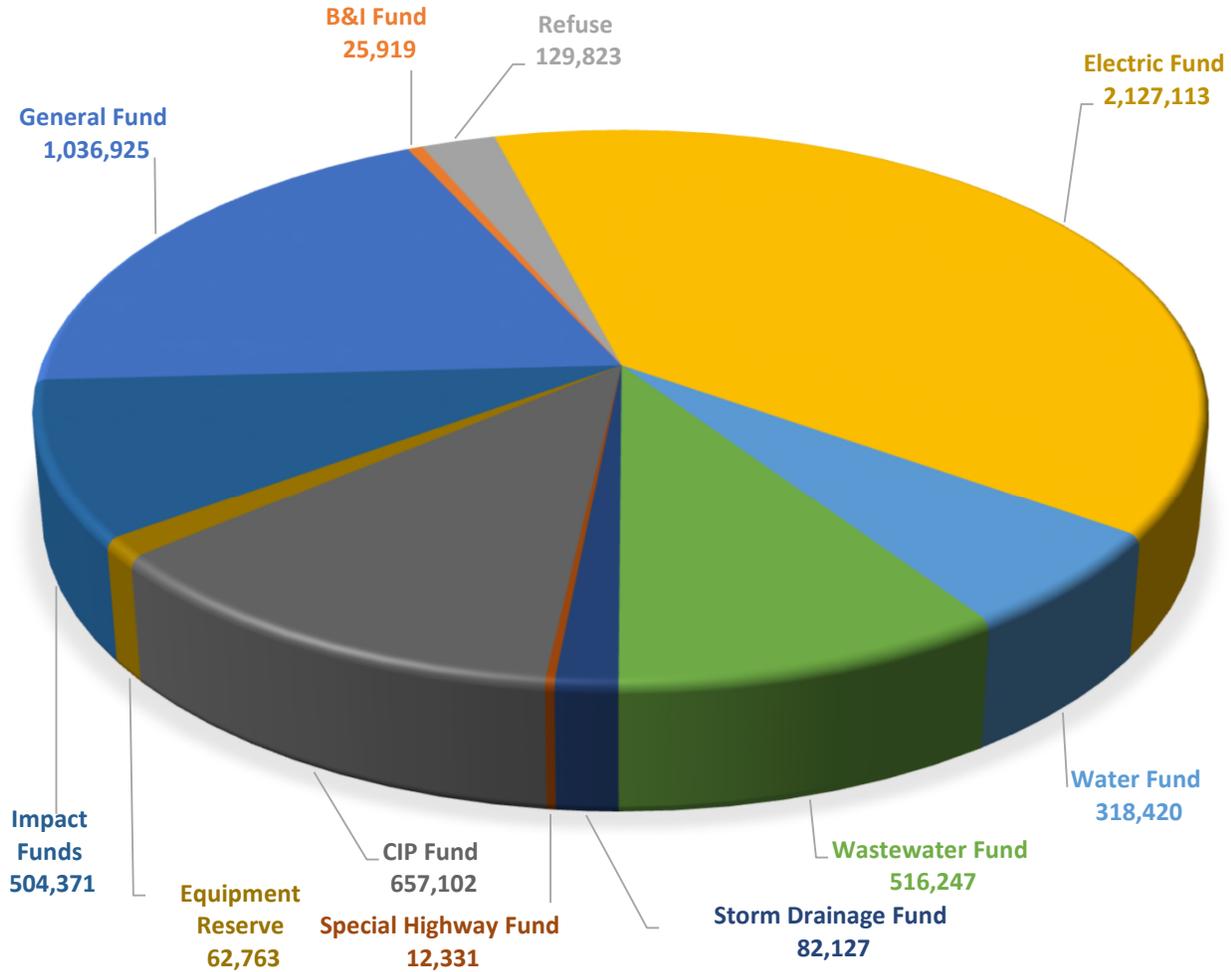
## 2021 Project & Equipment Requests

	<i>Department Requested</i>	<i>City Manager Proposed</i>
<b><i>"New Requests for 2021 Budget"</i></b>		
<b>General Government</b>		
City Hall upgrades - chairs, fireproof cabinet & blinds	10,800	10,800
<b>Streets &amp; Cemetery Department</b>		
Trailer-Mount Vac Machine split Streets, Wtr, WWtr, Equip Reserve - (1)	18,700	-
Ford F-450 Truck - \$48.8k spit Streets, Wtr, WWtr, Equip Reserve - (1)	12,200	-
John Deere 50G Compact Excavator less trade - (2)	13,225	-
John Deere 333G Compact Track Loader less trade - (2)	15,271	-
<b>Fire Department</b>		
Fire vehicle - specialized	175,000	-
<b>Police Department</b>		
Mobile data terminals for 6 units	16,594	16,594
Replace Oldest Patrol Vehicle		32,500
<b>Recreation Department</b>		
Deep tine aerator	7,800	7,800
Music playground @ Bluejacket Park	8,236	8,236
Fitness Room Equipment (annual allocation)	10,000	10,000
Strength Equipment	5,000	5,000
UTV Gator	14,000	14,000
<b>Electric Utility</b>		
Hunters Ridge Phase I	48,859	48,859
Hunters Ridge Phase II	82,782	82,782
Hunters Ridge Phase III	93,159	93,159
John Deere 50G Compact Excavator less trade - (2)	13,225	-
John Deere 333G Compact Track Loader less trade - (2)	15,271	-
<b>Water Utility</b>		
Trailer-Mount Vac Machine split Streets, Wtr, WWtr, Equip Reserve - (1)	18,700	-
Ford F-450 Truck - \$48.8k spit Streets, Wtr, WWtr, Equip Reserve - (1)	12,200	-
John Deere 50G Compact Excavator less trade - (2)	13,225	-
Rate study	15,600	-
Replace lime feeder	47,840	47,840
Sandblast & pain all filters, valves, & pipes in water treatment facility	41,600	41,600
Upgrade PLC (software control system)	78,000	78,000
Improve backwash holding tanks	68,640	68,640
<b>Waste Water Utility</b>		
John Deere 50G Compact Excavator less trade - (2)	13,225	-
John Deere 333G Compact Track Loader less trade - (2)	15,271	-
UV lights and new gates on south side	46,800	46,800
Upgrade new channel, relay board and new gates on north side	41,600	41,600
Upgrade the return-activated sludge (RAS) & waste-activated sludge (WAS)	26,000	26,000
Peach St pump station upgrades	183,000	WWtr Impact Fund
<b>Street &amp; Special Highway</b>		
John Deere 50G Compact Excavator less trade - (2)	13,225	-
John Deere 333G Compact Track Loader less trade - (2)	15,271	-
<b>Total New Requests for 2021 Budget</b>	<b>1,210,315</b>	<b>680,210</b>

(1) - Split between Streets, Water, Waste Water and Equipment Reserve  
 (2) - Split between Streets, Electric, Water and Waste Water

# Fund Balance Overview - All

## 2021 Projected Ending Fund Balance - All

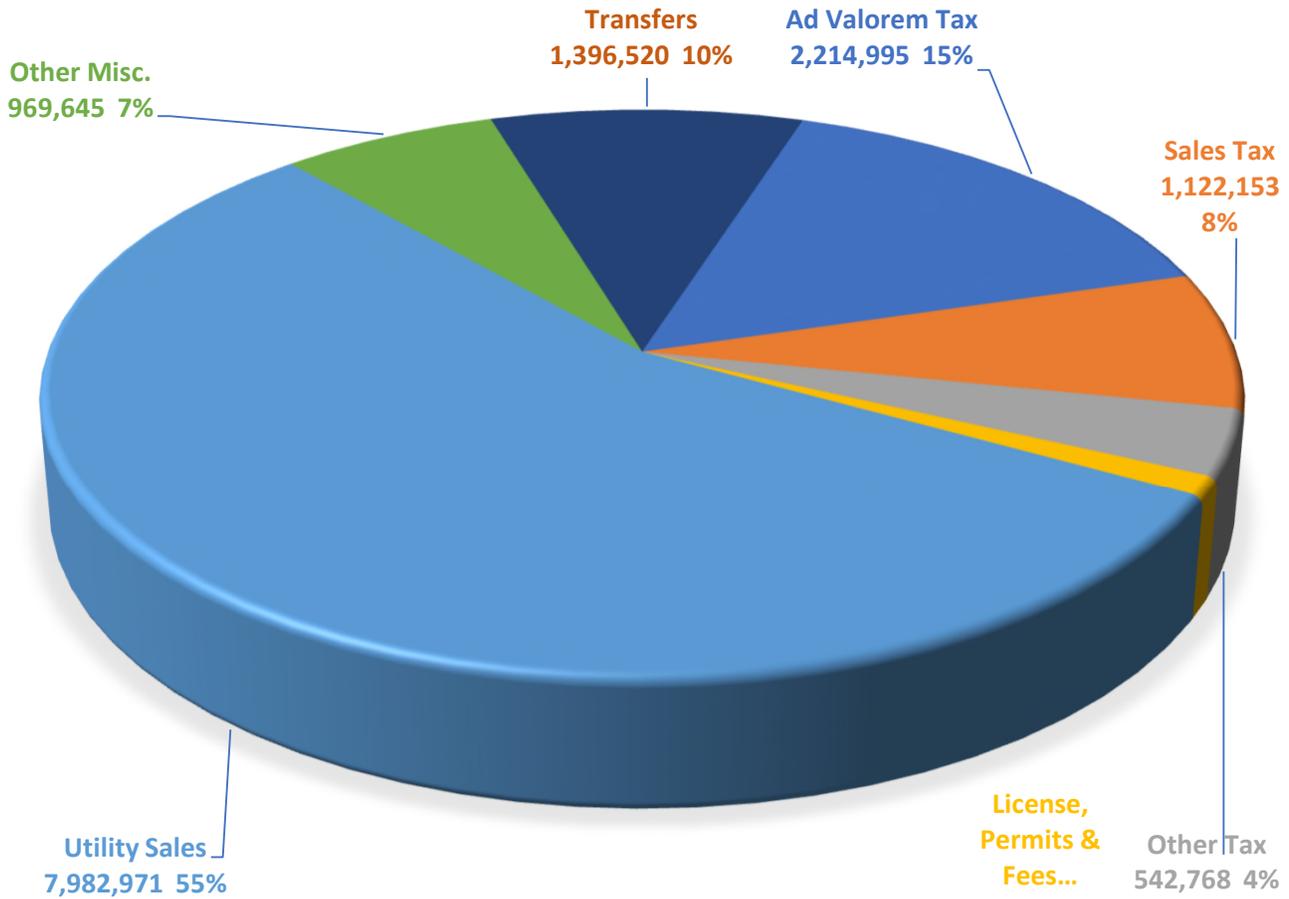


2021 Projected Ending Fund Balance		% Estimated Ending Fund Balance
General Fund	\$ 1,036,925	18.9%
B&I Fund	\$ 25,919	0.5%
Refuse	\$ 129,823	2.4%
Water Fund	\$ 318,420	5.8%
Wastewater Fund	\$ 516,247	9.4%
Storm Drainage Fund	\$ 82,127	1.5%
Special Highway Fund	\$ 12,331	0.2%
CIP Fund	\$ 657,102	12.0%
Equipment Reserve	\$ 62,763	1.1%
*Impact Funds	\$ 504,371	9.2%
<b>Est. Fund Balance - All</b>	<b>\$ 3,346,027</b>	<b>61%</b>

\*(Water, Park & Sewer)

# Revenues

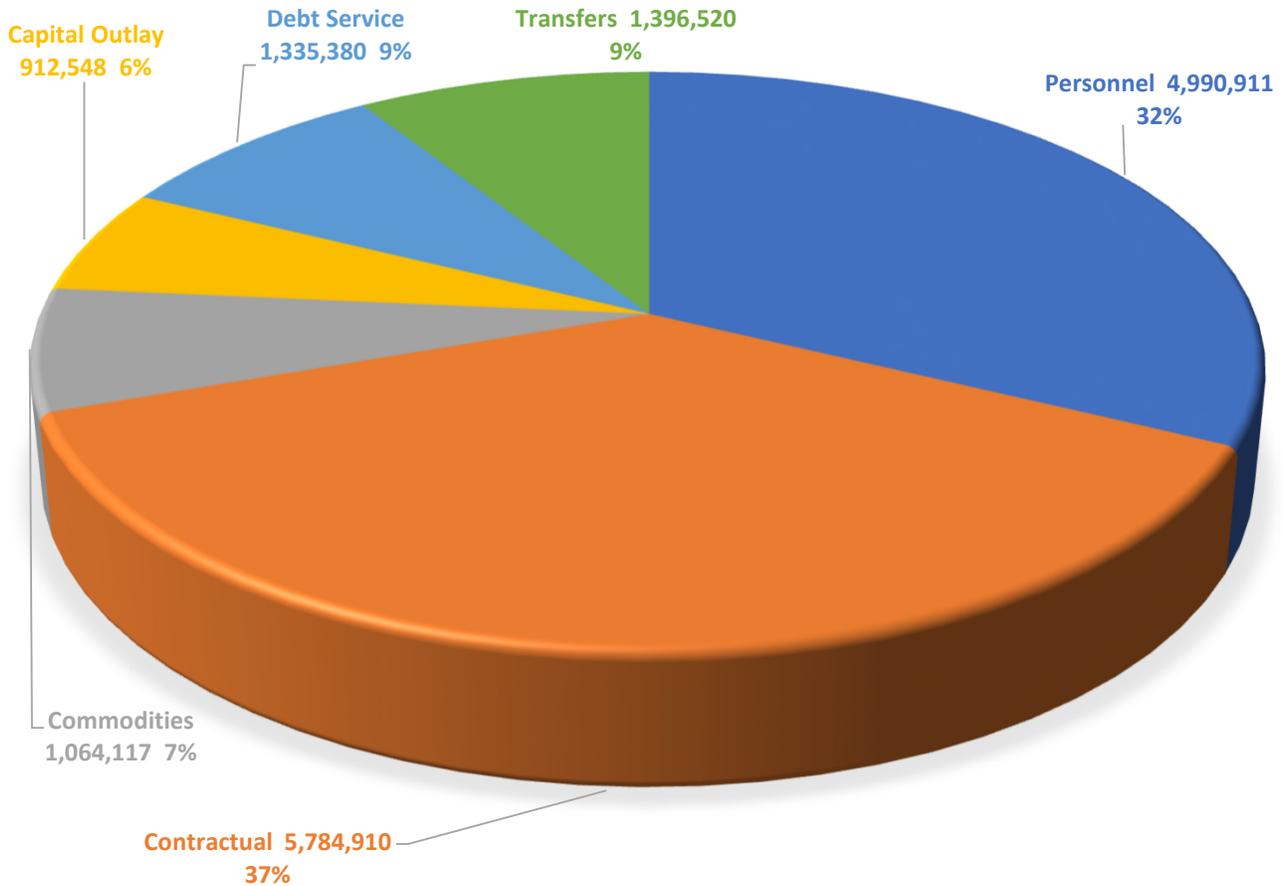
## Estimated 2021 Revenues by Source - All Funds



Amount	Source Description
\$ 1,122,153	Sales Tax: City and County sales and use tax
\$ 542,768	Other Tax: Motor vehicle, fuel and franchise tax
\$ 156,600	License, Permits & Fees: Permits, license, P&R fees, aquatics & other
\$ 7,982,971	Utility Sales: Utility customer sales
\$ 969,645	Other Misc.: Penalties, fines, donations, grants and misc.
\$ 1,396,520	Transfers: Utility transfers and CIP 4-mill
<b>\$ 12,170,658</b>	

# Expenditures by Category

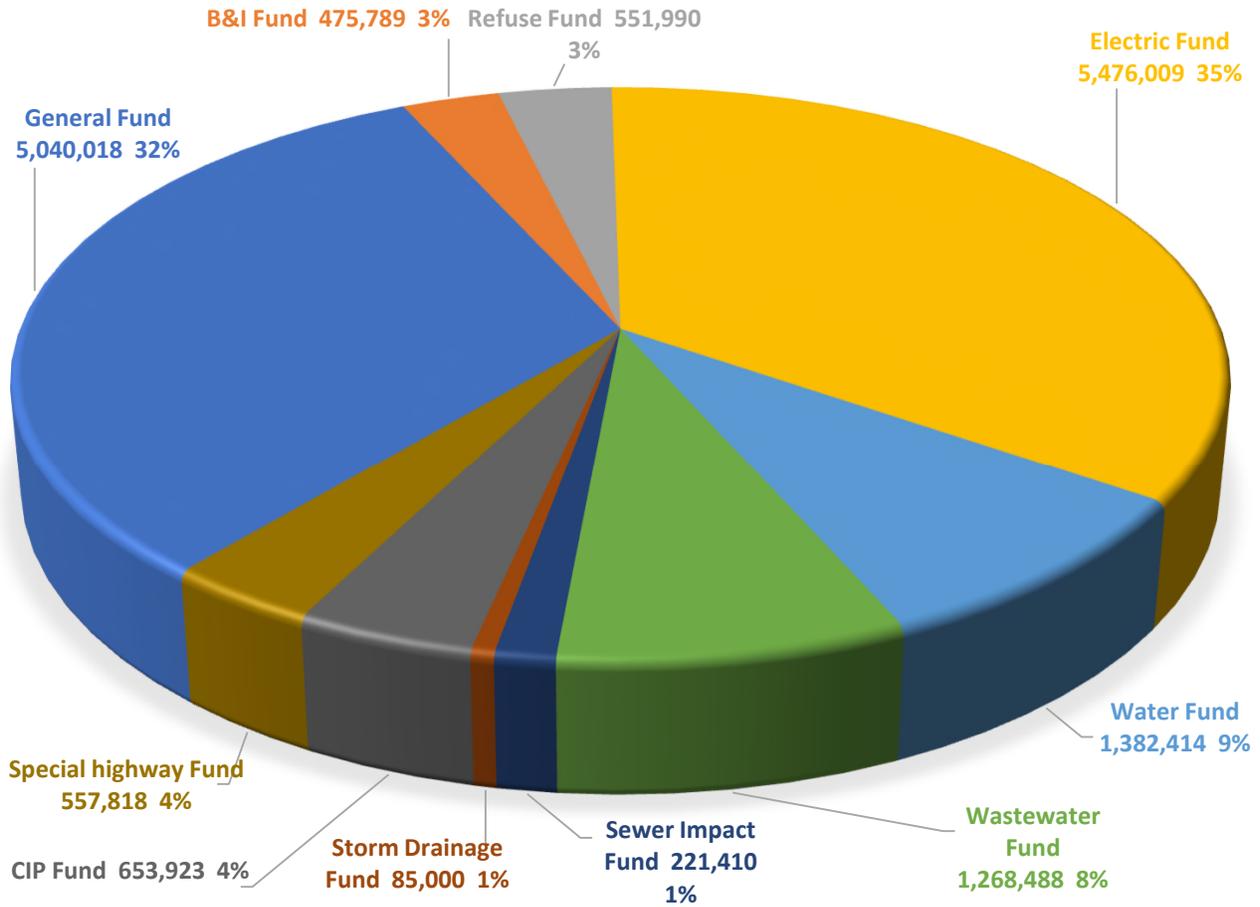
## Proposed 2021 Expenditures by Category - All



Category	Amount	Percentage
Contractual	5,784,910	55.13%
Commodities	1,064,117	10.14%
Capital Outlay	912,548	8.70%
Debt Service	1,335,380	12.73%
Transfers	1,396,520	13.31%
	<u>10,493,475</u>	<u>100%</u>

# Expenditures by Fund

## Proposed 2021 Expenditures by Fund - All



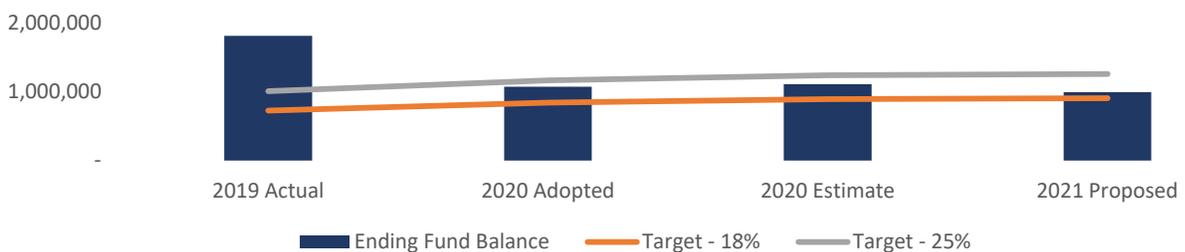
Fund	Amount	Percentage
General Fund	\$ 5,040,018	35.17%
B&I Fund	\$ 475,789	3.32%
Refuse Fund	\$ 551,990	3.85%
Electric Fund	\$ 5,476,009	38.21%
Wastewater Fund	\$ 1,268,488	8.85%
Sewer Impact Fund	\$ 221,410	1.55%
Storm Drainage Fund	\$ 85,000	0.59%
CIP Fund	\$ 653,923	4.56%
Special highway Fund	\$ 557,818	3.89%
	<b>\$ 14,330,443</b>	<b>100.00%</b>

2021 General Fund Overview

# General Fund

General Fund Mill Levy 35.608

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Ad Valorem Tax	1,575,100	1,705,873	1,648,310	2,012,496
Vehicle Tax	217,885	185,950	114,873	222,382
Liquor & Other Tax	150,929	157,315	145,708	131,566
City Sales Tax	225,136	209,500	210,616	211,117
County Sales Tax	713,884	690,000	670,718	699,920
Parks & Rec and Aquatics	330,737	291,900	114,833	246,976
Municipal Court & Police Fines	94,210	93,400	126,125	126,398
License, Permits & P&Z Fees	80,971	56,350	97,777	80,971
Utility Transfers	780,000	981,000	981,000	1,081,000
Other Revenue	192,700	120,048	153,048	109,235
<b>Total Revenues</b>	<b>4,361,553</b>	<b>4,491,336</b>	<b>4,263,009</b>	<b>4,922,060</b>
<b>Expenditures by Category</b>				
Personnel	2,791,841	3,303,608	3,266,923	3,592,812
Contractual	636,532	681,448	898,738	714,442
Commodities	292,867	326,000	275,104	298,833
Capital Outlay	42,503	61,500	183,100	129,930
Debt Service	96,683	111,644	82,262	63,481
Transfers	177,064	191,775	261,775	240,520
Pass Thru Fees	10,581	-	-	-
<b>Total Expenditures</b>	<b>4,048,071</b>	<b>4,675,975</b>	<b>4,967,902</b>	<b>5,040,018</b>
Surplus or Deficit	313,481	(184,638)	(704,893)	(117,958)
Beginning Balance	1,503,445	1,258,791	1,816,927	1,112,034
<b>Ending Fund Balance</b>	<b>1,816,927</b>	<b>1,074,153</b>	<b>1,112,034</b>	<b>994,076</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
18%				
25%	1,012,018	1,168,994	1,241,975	1,260,004

# General Fund

## General Fund Expenditures by Department

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Expenditures by Department</b>				
General Government	932,582	1,123,740	1,139,813	1,249,044
Community Development	270,110	368,665	588,293	362,194
Street & Cemetery	275,897	378,461	358,105	361,570
Fire & EMS	471,369	496,036	596,769	528,450
Police & Municipal Court	1,437,187	1,580,580	1,573,624	1,784,657
Parks & Recreation	567,507	618,300	607,670	645,704
Aquatics	93,419	110,193	103,627	108,399
<b>Total Expenditures</b>	<b>4,048,071</b>	<b>4,675,975</b>	<b>4,967,902</b>	<b>5,040,018</b>

## General Fund Capital Outlay

	2020 Adopted	2020 Estimate	2021 Proposed
<b>General Government Department</b>			
IT hardware/software (annual)	15,000	-	-
City Hall upgrades	-	-	10,800
<b>Community Development Department</b>			
Downtown & Res. Grant Program (annual)	20,000	-	-
Economic Development (annual)	20,000	-	5,000
City Comprehensive Plan update	-	36,825	-
<b>Street &amp; Cemetery Department</b>			
Single Drum Roller Compactor (split /4)	6,500	6,500	-
Bradco 24" Milling Head (10k from ER Fund)	9,000	-	-
<b>Fire &amp; EMS Department</b>			
SCBA, mask, Cylinders (2020 final yr)	61,229	61,028	-
EMS Response Vehicle (50/50 split with Dg Co)	27,121	27,121	-

(capital outlay continued on next page)

# General Fund

**General Fund Capital Outlay (continued)**

	2020 Adopted	2020 Estimate	2021 Proposed
<b>Police Department</b>			
Replace Oldest Patrol Vehicle	-	-	32,500
Mobile data terminals for 6 units	-	-	16,594
Police Live Data Storage & Backup	5,000	5,000	-
<b>Parks &amp; Recreation Department</b>			
Two Zero Turn Mowers	-	19,470	-
Fitness Room Equipment (annual allocation)	10,000	-	10,000
Strength Equipment	-	-	5,000
Park Equipment	-	-	8,236
Deep tine aerator	-	-	7,800
UTV Gator	-	-	14,000
<b>Aquatics Department</b>			
No spending at this time	-	-	-
<b>Total General Fund Capital Outlay</b>	<b>173,850</b>	<b>155,944</b>	<b>109,930</b>

## General Fund 2021 Highlights

### Revenue

- Assessed valuation of \$51,380,082 (7% increase - one mill generates \$51,380 in revenue for 2021 budget).
- The 2021 budget for Municipal Court & Police fines revenue includes reimbursement for SRO costs by the School District that began in 2020.
- Proposes the mill levy remain flat at 39.506. (General Fund 35.581 - B&I Fund 3.925)
- Ending fund balance remains within the reserve fund policy at 21.5%.

### Expenditures

- 3% Wage adjustment (1% COLA & 2% merit).
- Merged the Park Department & Recreation Department budgets in 2019; now titled Parks & Recreation Department.

### Debt

John Deere 324L - Loader  
 John Deere Financial (excavator)  
 GOB 2016-A (fire pumper)

### 2021 Payment Due

7,200 ends 2022  
 6,506 ends 2021  
 49,775 ends 2026

**63,481**

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
01-010-4001	Ad Valorem Taxes	1,705,873	1,477,606	1,829,542
01-010-4003	Prepaid Ad Valorem Taxes	-	170,705	182,954
01-010-4002	Delinquent Taxes	12,625	14,314	-
01-010-4070	Motor Vehicle Tax	180,000	107,943	215,915
01-010-4071	Recreational Vehicle Tax	2,100	2,317	2,561
01-010-4073	Commercial Vehicle Tax	2,000	2,402	2,028
01-010-4074	Watercraft Tax	1,000	1,456	1,191
01-010-4075	Big Truck Tax	850	755	687
01-010-4100	City Sales Tax	166,000	157,301	166,045
01-010-4101	City Use Tax	43,500	53,315	45,072
01-010-4105	County Sales Tax	615,000	583,835	622,467
01-010-4106	County Use Tax	75,000	86,883	77,453
01-010-4120	Franchise Tax - Gas	75,750	78,043	78,043
01-010-4121	Franchise Tax - Cable TV	35,000	38,998	38,998
01-010-4122	Franchise Tax - Telephone	4,040	4,931	4,931
01-010-4210	Liquor Tax	8,500	9,420	9,593
01-010-4501	Licenses and Permits	50,000	76,957	63,980
01-010-4506	Contractor License Fee	4,000	10,200	8,650
01-010-5005	Special Event Fees	100	268	418
01-010-5101	Cemetery Grave Openings	6,000	9,000	12,500
01-010-5102	Sale of Cemetery Lots	4,500	4,100	4,300
01-010-5201	Temporary Occupancy Fees	-	6,680	4,920
01-010-5202	Site Plan Review Fees	1,500	2,940	1,813
01-010-5204	Planning & Zoning Fees	-	-	-
01-010-5603	Dog Control Fines	750	732	1,190
01-010-5801	Interest Earnings	11,000	19,130	19,130
01-010-5804	Tower Rental	21,400	-	-
01-010-5899	Other - Miscellaneous	-	53,250	33,980
01-010-5915	Transfer From Refuse Fund	30,000	30,000	30,000
01-010-5920	Transfer From Electric Fund	667,000	667,000	767,000
01-010-5940	Transfer From Sewer Fund	142,000	142,000	142,000
01-015-5896	Pass Through Fees	-	83	-
<b>Total General Revenue</b>		<b>3,865,488</b>	<b>3,812,482</b>	<b>4,367,361</b>
<b>Community Development Revenue</b>				
01-025-5803	Dg Co Historical Society Wage	13,900	14,605	14,605
01-025-5896	Pass Through Fees	-	2,010	-
01-025-5899	Economic Development Plan	-	(3,500)	-
<b>Total Community Dev. Revenue</b>		<b>13,900</b>	<b>13,115</b>	<b>14,605</b>
<b>Streets &amp; Cemetery Revenue</b>				
01-030-4259	Other Grants & Scholarships	-	1,000	-
01-030-5896	Pass Through Fees	-	4,217	-
01-030-5899	Miscellaneous	-	-	-
<b>Total Streets &amp; Cemetery</b>		<b>-</b>	<b>5,217</b>	<b>-</b>
<b>Fire &amp; EMS Revenue</b>				
01-035-4251	State Grants	-	-	-
01-035-4259	Other grants	-	-	-
01-035-5303	EMS Fees	20,000	22,620	24,720
01-035-5701	Balance of Pumper Bond	-	-	-
01-035-5896	Pass Thru Fees	-	26,533	-
01-035-5899	Other - Miscellaneous	-	-	-
<b>Fire &amp; EMS Revenue</b>		<b>20,000</b>	<b>49,153</b>	<b>24,720</b>

General Fund Line-Item Detail

<b>General Fund</b>		2020 Adopted	2020 Estimate	2021 Proposed
<b>Police Revenue</b>				
<b>01-010-4210</b>	Liquor Tax	8,500	9,420	9,593
01-045-4259	Grants Other	-	-	-
01-045-5302	DUI Diversion Fees	-	-	-
01-045-5305	Fingerprinting Fees	-	1,245	1,245
01-045-5601	Municipal Court Fines	84,000	50,000	50,000
01-045-5602	Bond Forfeitures	-	-	-
01-045-5603	Dog Control Fines	-	-	-
01-045-5604	Officer training fees	900	872	872
01-045-5605	Court Restitution Fines	-	(100)	-
01-045-5608	SRO Reimbursement	-	64,648	64,648
01-045-5802	Returned Check Fees	-	40	40
01-045-5803	Donations	-	-	-
01-045-5809	Community Outreach Donations	-	-	-
01-045-5896	Pass Through Fees	64,648	-	-
<b>Total Police Revenue</b>		<b>158,048</b>	<b>126,125</b>	<b>126,398</b>
<b>Recreation Revenue</b>				
	Recreation Adult Sports Fees	3,000	170	2,515
01-055-5002	Recreation Youth Sports Fees	30,000	865	34,463
01-055-5003	Recreation Daily Fees	1,900	610	3,038
01-055-5004	Afterschool Program Fees	85,000	50,000	50,000
01-055-5005	Special Event Fees	200	-	-
01-055-5006	Recreation Room Rental Fees	7,500	4,322	7,178
01-055-5007	Summer Camp Fees	45,000	614	30,000
01-055-5008	Recreation Sponsors	1,300	875	2,625
01-055-5031	Wellness Membership Fees	63,000	35,894	50,000
01-055-5055	Park Concession Rental	-	-	200
01-055-5073	Park Rental Fees	-	115	3,910
<b>Total Recreation Revenue</b>		<b>236,900</b>	<b>93,465</b>	<b>183,929</b>
<b>Aquatics Revenue</b>				
01-060-5051	Aquatics Daily Admission Fees	19,000	-	21,060
01-060-5052	Aquatics Membership Fees	23,000	16,485	25,150
01-060-5053	Aquatics Lesson Fees	8,500	1,446	8,925
01-060-5054	Aquatics Pool Party Fees	4,500	3,438	7,313
01-060-5055	Aquatics Concessions	-	-	600
<b>Total Aquatic Revenue</b>		<b>55,000</b>	<b>21,369</b>	<b>63,048</b>
<b>Total Revenue</b>		<b>4,349,336</b>	<b>4,115,709</b>	<b>4,780,060</b>

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>General Government Department</b>				
01-015-6001	Wages and Salaries	530,600	516,963	587,226
01-015-6002	Part-Time Wages	60,200	29,769	58,237
01-015-6004	Overtime Wages	-	3,507	3,612
01-015-6005	Uniform Expense	850	1,000	1,000
01-015-6020	Social Security/Medicare	45,500	42,093	49,654
01-015-6021	KPERS	56,200	51,540	57,573
01-015-6023	Health Insurance	71,850	77,090	79,593
01-015-6024	Unemployment	1,500	1,376	1,623
01-015-6025	Workers Compensation	1,375	1,266	1,488
<b>Total Personnel</b>		<b>768,075</b>	<b>724,602</b>	<b>840,007</b>
01-015-6206	Natural Gas	1,590	929	957
01-015-6208	Data Services	19,000	17,919	17,627
01-015-6251	Travel & Training	12,000	10,000	18,306
01-015-6252	Governing Body Training	5,000	3,000	3,090
01-015-6253	Staff Activity Services	11,000	4,165	4,290
01-015-6301	Postage & Shipping	3,000	1,627	1,676
01-015-6302	Transaction Fees	1,000	821	845
01-015-6303	Dues, Members, Subs, Permits	6,200	6,180	6,366
01-015-6452	Publication Services	2,500	1,066	1,098
01-015-6501	Insurance Premiums	12,000	14,956	16,152
01-015-6601	Legal Services	25,000	27,020	20,000
01-015-6603	Financial Services	15,000	7,976	13,599
01-015-6611	Medical & Personnel Services	100	-	-
01-015-6614	Printing & Copying Services	10,000	8,758	8,902
01-015-6802	Building & Grounds Services	9,000	15,382	14,043
01-015-6871	Vehicle & Equip Repair Services	150	-	-
01-015-6999	Other Contractual Services	2,500	10,000	5,000
01-015-cont	Contingency	-	-	-
<b>Total Contractual</b>		<b>135,040</b>	<b>129,799</b>	<b>131,951</b>
01-015-7001	Office Supplies & Equipment	9,000	5,500	7,500
01-015-7002	IT Supplies & Equipment	-	15,000	15,000
01-015-7301	Building & Grounds Supplies	3,000	1,500	1,500
01-015-7501	Vehicle & Equipment Parts	100	93	98
01-015-7551	Gasoline (Fuel)	250	76	27
01-015-7999	Other Supplies & Equipment	1,500	1,467	1,640
<b>Total Commodities</b>		<b>13,850</b>	<b>23,637</b>	<b>25,765</b>
01-015-8999	IT hardware & software	15,000	-	10,800
<b>Total Capital Outlay</b>		<b>15,000</b>	<b>-</b>	<b>10,800</b>
01-015-9011	Debt Service	-	-	-
<b>Total Debt Service</b>		<b>-</b>	<b>-</b>	<b>-</b>
01-015-9260	Transfer to CIP	191,775	191,775	205,520
01-015-9299	Transfer to Bond and Interest Fund	-	70,000	35,000
<b>Total Transfers</b>		<b>191,775</b>	<b>261,775</b>	<b>240,520</b>
<b>Total General Govt. Expenditures</b>		<b>1,123,740</b>	<b>1,139,813</b>	<b>1,249,044</b>

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>Community Development Dept.</b>				
01-025-6001	Wages and Salaries	138,100	138,532	141,640
01-025-6004	Overtime Wages	2,900	2,858	2,943
01-025-6005	Uniform Expense	250	250	258
01-025-6020	Social Security/Medicare	10,800	10,816	11,061
01-025-6021	KPERS	13,975	13,983	12,825
01-025-6023	Health Insurance	25,100	25,028	24,839
01-025-6024	Unemployment	355	353	361
01-025-6025	Workers Compensation	13,500	13,537	13,610
<b>Total Personnel</b>		<b>204,980</b>	<b>205,357</b>	<b>207,537</b>
01-025-6206	Natural Gas	2,500	1,755	1,807
01-025-6208	Data Services	15,000	14,998	15,194
01-025-6251	Travel & Training	3,500	2,526	2,601
01-025-6253	Staff Activity Services	300	1,147	1,182
01-025-6301	Postage & Shipping	300	300	309
01-025-6303	Dues, Subs, Permits, License	1,100	462	476
01-025-6452	Publication Services	750	2,020	2,081
01-025-6601	Legal Services	3,000	35,000	20,000
01-025-6603	Financial Services	10,000	152	149
01-025-6605	Planning & Engineering Services	20,000	200,000	20,000
01-025-6606	Grant Writing Services	10,000	5,000	1,000
01-025-6611	Medical & Personnel Services	50	58	32
01-025-6614	Printing & Copying Services	7,500	5,724	6,370
01-025-6626	CVB & Chamber Services	20,000	20,000	20,000
01-025-6802	Building & Grounds Services	3,500	4,087	4,419
01-025-6871	Vehicle & Equip Repair Services	100	82	-
01-025-6999	Other Contractual Services	700	30,000	30,000
<b>Total Contractual</b>		<b>98,300</b>	<b>323,311</b>	<b>125,619</b>
01-025-7001	Office Supplies & Equipment	2,000	421	1,119
01-025-7103	Event & Program Supplies	1,500	199	202
01-025-7301	Building & Grounds Supplies	1,000	295	386
01-025-7501	Vehicle & Equipment Parts	300	544	137
01-025-7551	Gasoline (Fuel)	1,500	1,046	1,324
01-025-7999	Other Supplies & Equipment	1,500	295	869
<b>Total Commodities</b>		<b>7,800</b>	<b>2,799</b>	<b>4,037</b>
01-025-8300	Economic Development	20,000	-	5,000
01-025-8308	Downtown/Res Grant Program	20,000	20,000	20,000
01-025-8999	Equipment and Projects	-	36,825	-
<b>Total Capital Outlay</b>		<b>40,000</b>	<b>56,825</b>	<b>25,000</b>
01-025-9011	Debt Service	17,585	-	-
<b>Total Dept Service</b>		<b>17,585</b>	<b>-</b>	<b>-</b>
<b>Total Community Dev. Expenditures</b>		<b>368,665</b>	<b>588,293</b>	<b>362,194</b>

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>Street &amp; Cemetery Department</b>				
01-030-6001	Wages and Salaries	109,120	107,477	112,018
01-030-6002	Part-Time Wages	14,200	14,140	14,540
01-030-6004	Overtime Wages	1,225	4,210	4,337
01-030-6005	Uniform Expense	1,200	932	960
01-030-6020	Social Security/Medicare	9,525	9,626	10,013
01-030-6021	KPERS	10,915	11,046	11,610
01-030-6023	Health Insurance	16,700	16,685	18,960
01-030-6024	Unemployment	315	315	327
01-030-6025	Workers Compensation	10,705	10,788	10,961
<b>Total Personnel</b>		<b>173,905</b>	<b>175,218</b>	<b>183,725</b>
01-030-6206	Natural Gas	3,000	2,096	2,159
01-030-6208	Data Services	6,100	6,215	5,687
01-030-6251	Travel & Training	4,000	3,064	3,156
01-030-6452	Publication Services	350	204	210
01-030-6253	Staff Activity Services	500	651	671
01-030-6301	Postage & Shipping	-	23	24
01-030-6303	Dues, Subs, License, Lease	-	112	116
01-030-6501	Insurance Premiums	15,550	14,767	15,948
01-030-6603	Financial Services	400	373	366
01-030-6605	Planning & Engineering Services	13,000	11,000	8,000
01-030-6611	Medical & Personnel Services	300	248	301
01-030-6614	Printing & Copying Services	850	766	781
01-030-6802	Building & Grounds Services	26,000	25,000	25,000
01-030-6871	Vehicle & Equip Repair Services	8,000	8,043	5,917
01-030-6999	Other Contractual Services	2,500	1,705	3,225
<b>Total Contractual</b>		<b>80,550</b>	<b>74,267</b>	<b>71,560</b>
01-030-7001	Office Supplies & Equipment	1,000	602	727
01-030-7205	Street Materials & Supplies	35,000	35,000	35,000
01-030-7209	Cemetery Supplies	2,500	2,500	2,500
01-030-7301	Maintenance & Repair Supplies	1,500	2,344	2,344
01-030-7401	Salt & Sand Supplies	5,000	14,093	10,233
01-030-7501	Vehicle & Equipment Parts	25,500	10,065	12,125
01-030-7504	Tools & Shop Supplies	13,500	4,236	5,483
01-030-7551	Gasoline (Fuel)	23,500	17,926	21,790
01-030-7999	Other Supplies & Equipment	3,500	1,646	2,378
<b>Total Commodities</b>		<b>111,000</b>	<b>88,412</b>	<b>92,578</b>
01-030-8999	Projects	6,500	6,500	-
<b>Total Capital Outlay</b>		<b>6,500</b>	<b>6,500</b>	<b>-</b>
01-030-9011	Debt Service	6,506	13,709	13,706
<b>Total Debt Service</b>		<b>6,506</b>	<b>13,709</b>	<b>13,706</b>
<b>Total Street &amp; Cemetery Expenditures</b>		<b>378,461</b>	<b>358,105</b>	<b>361,570</b>

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>Fire/EMS Department</b>				
01-035-6001	Wages and Salaries	147,100	147,445	149,085
01-035-6002	Part-Time Wages	91,000	91,000	101,192
01-035-6005	Uniform Expense	19,000	18,000	18,000
01-035-6020	Social Security/Medicare	18,225	18,241	19,146
01-035-6022	KP&F	14,925	14,938	22,200
01-035-6023	Health Insurance	16,700	16,685	16,560
01-035-6024	Unemployment	600	596	626
01-035-6025	Workers Compensation	14,300	14,259	14,967
<b>Total Personnel</b>		<b>321,850</b>	<b>321,164</b>	<b>341,775</b>
01-035-6206	Natural Gas	2,500	1,247	1,284
01-035-6208	Data Services	16,000	16,961	22,021
01-035-6251	Travel & Training	9,500	10,132	10,436
01-035-6253	Staff Activity Services	800	519	12,534
01-035-6301	Postage & Shipping	200	711	732
01-035-6303	Dues, Subs, Permits, License	1,430	1,893	1,950
01-035-6452	Publication Services	-	80	83
01-035-6501	Insurance Premiums	13,500	13,078	14,124
01-035-6601	Legal Services	100	250	258
01-035-6603	Financial Services	650	823	612
01-035-6611	Medical & Personnel Services	2,000	4,581	4,581
01-035-6614	Printing & Copying Services	2,050	1,812	1,794
01-035-6624	Dispatch Services	12,500	12,875	12,500
01-035-6627	Protective Equipment Testing	3,000	4,277	3,000
01-035-6802	Building & Grounds Services	12,303	13,208	12,159
01-035-6871	Vehicle & Equip Repair Services	3,000	180	1,262
01-035-6999	Other Contractual Services	5,000	4,000	3,690
<b>Total Contractual</b>		<b>84,533</b>	<b>86,627</b>	<b>103,020</b>
01-035-7001	Office Supplies & Equipment	2,000	1,065	862
01-035-7004	Grant Supply Expense	-	1,120	-
01-035-7103	Event & Program Supplies	2,000	2,147	1,908
01-035-7301	Building & Grounds Supplies	2,000	1,831	1,250
01-035-7501	Vehicle & Equip Parts	6,000	6,764	5,383
01-035-7509	Public Safety Equipment	3,000	6,200	17,950
01-035-7551	Gasoline (Fuel)	5,100	5,248	5,919
01-035-7999	Other Supplies & Equipment	1,000	746	608
<b>Total Commodities</b>		<b>21,100</b>	<b>25,120</b>	<b>33,880</b>
01-035-8999	Projects	15,000	95,305	-
<b>Total Capital Outlay</b>		<b>15,000</b>	<b>95,305</b>	<b>-</b>
01-035-9001	GOB Series 2016-A	50,675	17,878	-
01-035-9011	Chief SUV internal loan	17,878	50,675	49,775
<b>Total Debt Service</b>		<b>68,553</b>	<b>68,553</b>	<b>49,775</b>
<b>Total Fire &amp; EMS Expenditures</b>		<b>511,036</b>	<b>596,769</b>	<b>528,450</b>

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>Police Department</b>				
01-045-6001	Wages and Salaries	710,900	715,804	766,548
01-045-6002	Part-Time Wages	36,750	36,740	37,295
01-045-6004	Overtime Wages	75,000	78,076	80,418
01-045-6005	Uniform Expense	10,000	10,000	10,000
01-045-6020	Social Security/Medicare	62,900	63,542	67,646
01-045-6021	KPERS	2,100	2,084	78,434
01-045-6022	KP&F	180,150	182,037	201,612
01-045-6023	Health Insurance	142,300	147,857	154,534
01-045-6024	Unemployment	2,075	2,077	2,010
01-045-6025	Workers Compensation	24,250	24,497	26,151
<b>Total Personnel</b>		<b>1,246,425</b>	<b>1,262,713</b>	<b>1,424,648</b>
01-045-6206	Natural Gas	2,000	1,261	1,299
01-045-6208	Data Services	32,500	32,500	27,722
01-045-6251	Travel & Training	10,000	7,500	10,000
01-045-6253	Staff Activity Services	500	461	475
01-045-6301	Postage & Shipping	150	75	77
01-045-6302	Transaction Fees	1,300	895	922
01-045-6303	Dues, Members, Subs, License	1,225	1,505	1,550
01-045-6305	Crime Stoppers fee	170	132	136
01-045-6452	Publication Services	-	334	344
01-045-6501	Insurance Premiums	25,065	24,695	26,671
01-045-6601	Legal Services	1,000	-	-
01-045-6603	Financial Services	2,900	2,514	2,586
01-045-6611	Medical & Personnel Services	500	709	695
01-045-6614	Printing & Copying Services	2,100	2,278	2,059
01-045-6615	Inmate Housing Services	5,100	4,081	3,449
01-045-6624	Dispatch Services	12,500	12,875	12,500
01-045-6628	Event & Program Services	1,500	314	323
01-045-6802	Building & Grounds Services	10,500	16,842	17,049
01-045-6871	Vehicle & Equip Repair Services	2,000	4,929	3,444
01-045-6999	Other Contractual Services	3,000	5,033	2,004
<b>Total Contractual</b>		<b>114,010</b>	<b>118,934</b>	<b>113,305</b>
01-045-7001	Office Supplies & Equipment	3,000	2,030	2,403
01-045-7103	Event & Program Supplies	4,000	2,500	2,500
01-045-7211	Animal Control Supplies	750	245	272
01-045-7301	Building & Grounds Supplies	2,000	1,139	807
01-045-7501	Vehicle & Equipment Parts	10,000	7,241	7,846
01-045-7505	Firearm & Safety Supplies	17,000	14,000	14,000
01-045-7508	In-car Accessories	15,000	15,000	20,000
01-045-7551	Gasoline (Fuel)	20,000	23,231	25,707
01-045-7999	Other Supplies & Equipment	1,300	620	1,255
<b>Total Commodities</b>		<b>73,050</b>	<b>66,005</b>	<b>74,790</b>
01-045-8999	New SRO vehicle (33/67% split USD 491)	-	5,000	49,094
<b>Total Capital Outlay</b>		<b>-</b>	<b>5,000</b>	<b>49,094</b>
01-045-9011	Patrol vehicles (2) internal loan	19,000	-	-
<b>Total Debt Service</b>		<b>19,000</b>	<b>-</b>	<b>-</b>
<b>Total Police Expenditures</b>		<b>1,452,485</b>	<b>1,452,653</b>	<b>1,661,837</b>

General Fund Line-Item Detail

<i>General Fund</i>		2020 Adopted	2020 Estimate	2021 Proposed
<b>Municipal Court Department</b>				
01-050-6001	Wages and Salaries	44,600	43,776	45,200
01-050-6004	Overtime Wages	635	629	647
01-050-6005	Uniform Expense	75	-	-
01-050-6020	Social Security/Medicare	3,475	3,397	3,507
01-050-6021	KPERS	4,475	4,392	4,067
01-050-6023	Health Insurance	8,400	8,393	8,280
01-050-6024	Unemployment	115	111	115
01-050-6025	Workers Compensation	105	102	104
<b>Total Personnel</b>		<b>61,880</b>	<b>60,799</b>	<b>61,920</b>
01-050-6208	Data Services	5,000	5,853	4,470
01-050-6251	Travel & Training	2,500	500	515
01-050-6253	Staff Activity Services	100	-	-
01-050-6301	Postage and Shipping	50	19	20
01-050-6303	Dues, Members, Subs, License	115	75	77
01-050-6601	Legal Services	50,000	46,597	47,994
01-050-6603	Financial Services	200	197	194
01-050-6607	Court Reporting Services	6,300	6,431	6,624
<b>Total Contractual</b>		<b>64,265</b>	<b>59,672</b>	<b>59,895</b>
01-050-7001	Office Supplies & Equipment	1,950	500	500
<b>Total Commodities</b>		<b>1,950</b>	<b>500</b>	<b>500</b>
<b>Total Municipal Court Expenditures</b>		<b>128,095</b>	<b>120,971</b>	<b>122,315</b>

General Fund Line-Item Detail

General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>Recreation Department</b>				
01-055-6001	Wages and Salaries	196,500	195,398	200,262
01-055-6002	Part-Time Wages	145,000	145,000	140,000
01-055-6004	Overtime Wages	765	761	784
01-055-6005	Uniform Expense	500	903	930
01-055-6020	Social Security/Medicare	26,200	26,099	26,090
01-055-6021	KPERS	19,500	19,400	30,251
01-055-6023	Health Insurance	50,700	42,370	42,119
01-055-6024	Unemployment	860	853	853
01-055-6025	Workers Compensation	12,775	12,725	12,719
<b>Total Personnel</b>		<b>452,800</b>	<b>443,509</b>	<b>454,008</b>
01-055-6206	Natural Gas	8,000	5,579	5,746
01-055-6208	Data Services	14,750	15,677	14,573
01-055-6251	Travel & Training	5,500	4,000	4,500
01-055-6253	Staff Activity Services	350	100	100
01-055-6301	Postage & Shipping	100	25	25
01-055-6302	Transaction Fees	6,700	6,500	6,500
01-055-6303	Dues, Members, Subs, License	3,250	977	1,006
01-055-6452	Publication Services	500	25	26
01-055-6501	Insurance Premiums	17,900	17,941	19,376
01-055-6603	Financial Services	1,300	1,139	1,119
01-055-6605	Planning & Engineering Services	1,500	3,961	4,079
01-055-6611	Medical Services	1,400	2,037	2,243
01-055-6614	Printing & Copying Services	3,000	2,519	2,521
01-055-6628	Event & Program Services	3,500	13,000	13,000
01-055-6802	Building & Grounds Services	29,500	23,646	24,401
01-055-6871	Vehicle & Equip Repair Services	2,000	1,484	2,285
01-055-6999	Other Contractual Services	500	820	742
<b>Total Contractual</b>		<b>99,750</b>	<b>99,429</b>	<b>102,243</b>
01-055-7001	Office Supplies & Equipment	1,000	787	863
01-055-7101	Daycare Program Supplies	6,750	3,791	3,905
01-055-7103	Event & Program Supplies	15,000	4,769	4,912
01-055-7301	Building & Grounds Supplies	23,000	25,178	16,773
01-055-7501	Vehicle & Equipment Parts	5,500	2,022	4,581
01-055-7506	Fireworks	7,500	3,707	7,555
01-055-7551	Gasoline (Fuel)	5,000	3,431	4,406
01-055-7999	Other Supplies & Equipment	2,000	1,578	1,424
<b>Total Commodities</b>		<b>65,750</b>	<b>45,263</b>	<b>44,418</b>
01-055-8510	Park Equipment	-	-	-
01-055-8999	Equipment	-	19,470	45,036
<b>Total Capital Outlay</b>		<b>-</b>	<b>19,470</b>	<b>45,036</b>
<b>Total Recreation Expenditures</b>		<b>618,300</b>	<b>607,670</b>	<b>645,704</b>

General Fund Line-Item Detail

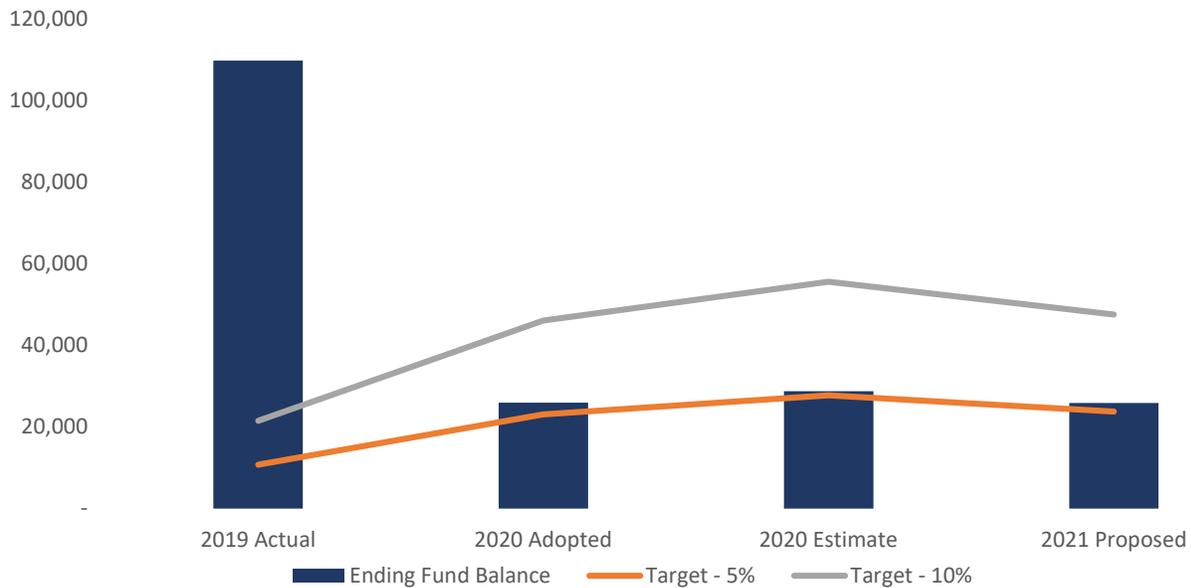
General Fund		2020 Adopted	2020 Estimate	2021 Proposed
<b>Aquatics Department</b>				
01-060-6002	Part-Time Wages	65,000	65,000	65,000
01-060-6005	Uniform Expense	1,100	1,000	1,030
01-060-6020	Social Security/Medicare	5,000	4,973	4,973
01-060-6024	Unemployment	163	163	5,766
01-060-6025	Workers Compensation	2,430	2,425	2,425
<b>Total Personnel</b>		<b>73,693</b>	<b>73,560</b>	<b>79,193</b>
01-060-6251	Travel & Training	500	-	-
01-060-6303	Dues, Subs, Permits, License	400	-	-
01-060-6611	Medical & Personnel Services	1,600	1,700	1,700
01-060-6802	Aquatics Maintenance Services	-	5,000	5,148
01-060-6804	Aquatics Maintenance Services	2,500	-	-
<b>Total Contractual</b>		<b>5,000</b>	<b>6,700</b>	<b>6,848</b>
01-060-7208	Aquatics Supplies	5,000	5,000	4,188
01-060-7405	Chlorine	22,000	18,000	17,792
01-060-7499	Other Chemicals	3,000	-	-
01-060-7999	Other Supplies & Equipment	1,500	368	379
<b>Total Commodities</b>		<b>31,500</b>	<b>23,368</b>	<b>22,359</b>
01-060-8999	Projects	-	-	-
<b>Total Capital Outlay</b>		<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Aquatics Expenditures</b>		<b>110,193</b>	<b>103,627</b>	<b>108,399</b>
<b>Total Expenditures</b>		<b>4,690,975</b>	<b>4,967,902</b>	<b>5,039,512</b>
	Surplus or Deficit	(341,638)	(852,193)	(96,533)
	Beginning Balance	1,314,696	1,985,651	1,133,458
<b>Ending Fund Balance</b>		<b>973,058</b>	<b>1,133,458</b>	<b>1,036,925</b>
	Assessed Value	44,266,917	47,940,013	51,380,082
	General Fund Mill Levy	35.608	35.608	35.608
	General Fund Levied Taxes	1,576,256	1,707,048	1,829,542

2020 Bond & Interest Fund Overview

# Bond & Interest Fund

Bond & Interest Fund Mill Levy 3.925

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Ad Valorem Tax	175,746	190,893	165,247	202,499
Sales Tax	225,136	209,500	215,947	211,117
Other Tax	28,595	40,450	23,940	24,328
Sale of Temporary Notes	88,391	-	-	-
Transfer From General Fund	-	-	70,000	35,000
<b>Total Revenues</b>	<b>517,868</b>	<b>440,843</b>	<b>475,134</b>	<b>472,944</b>
<b>Expenditures</b>				
Debt Service	180,680	461,126	508,651	475,789
Cost of Issuance	34,789	-	47,525	-
<b>Total Expenditures</b>	<b>215,469</b>	<b>461,126</b>	<b>556,176</b>	<b>475,789</b>
Surplus or Deficit	302,399	(20,283)	(81,042)	(2,845)
Beginning Balance	111,240	46,283	109,806	28,764
<b>Ending Fund Balance</b>	<b>109,806</b>	<b>26,000</b>	<b>28,764</b>	<b>25,919</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
5%	10,773	23,056	27,809	23,789
10%	21,547	46,113	55,618	47,579

*Bond & Interest Line-Item Detail*

<b>Bond &amp; Interest</b>		2020 Adopted	2020 Estimate	2021 Proposed
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10-100-4001	Ad Valorem Tax	188,193	163,028	200,280
10-100-4002	Delinquent Tax	2,700	2,219	2,219
10-100-4070	Motor Vehicle Tax	39,000	23,181	23,621
10-100-4071	Recreational Vehicle Tax	500	260	280
10-100-4073	Commercial Vehicle Tax	500	265	222
10-100-4074	Watercraft Tax	200	144	130
10-100-4075	Big Truck Tax	250	90	75
10-100-4100	City Sales Tax	166,000	157,301	166,045
10-100-4101	City Compensating Use Tax	43,500	58,646	45,072
10-100-5702	Transfer From General Fund	-	70,000	35,000

<b>Total Revenue</b>		<b>440,843</b>	<b>475,134</b>	<b>472,944</b>
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10-100-9001	Debt Service	461,126	508,651	475,789
10-100-9003	Issuance Costs - Nottingham	-	47,525	-

<b>Total Expenditures</b>		<b>461,126</b>	<b>556,176</b>	<b>475,789</b>
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Surplus or Deficit	(20,283)	(81,042)	(2,845)
Beginning Balance	46,283	109,806	28,764

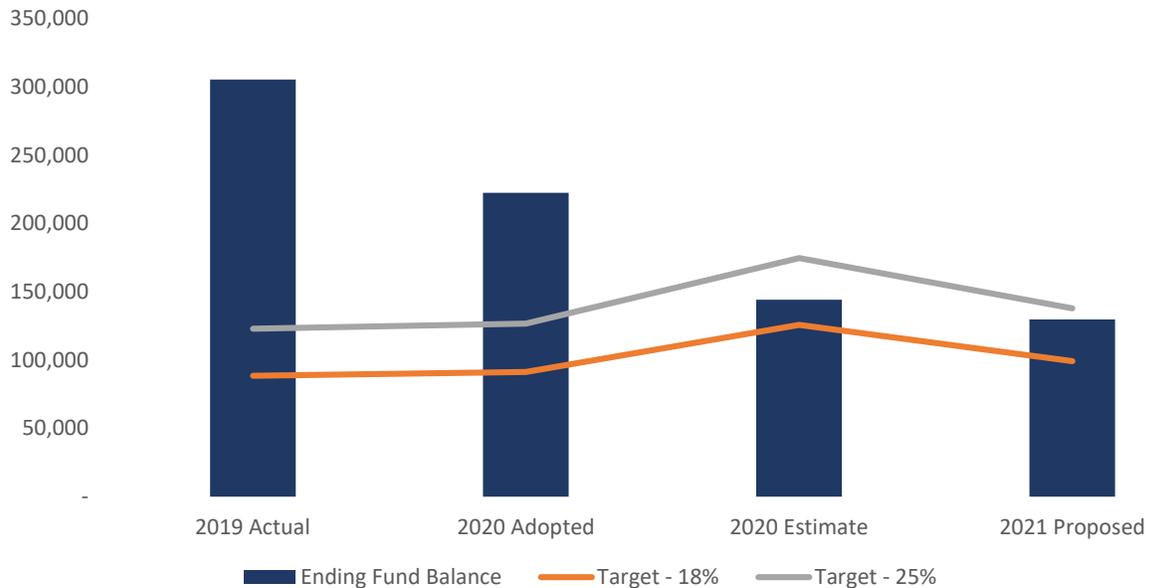
<b>Ending Fund Balance</b>		<b>26,000</b>	<b>28,764</b>	<b>25,919</b>
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Assessed Value	44,266,917	47,940,013	51,380,082
Bond & Interest Mill Levy	3.898	3.898	3.898
Bond & Interest Levied Taxes	172,546	186,870	200,280

2021 Refuse Fund Overview

# Refuse Fund

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Customer Sales	522,250	510,000	521,614	517,834
Other Revenues	19,884	10,800	16,495	19,834
<b>Total Revenues</b>	<b>542,135</b>	<b>520,800</b>	<b>538,109</b>	<b>537,668</b>
<b>Expenditures</b>				
Refuse Services	434,073	473,690	434,073	496,563
Other Contractual	28,718	3,800	235,337	25,427
Transfer to General Fund	30,000	30,000	30,000	30,000
<b>Total Expenditures</b>	<b>492,790</b>	<b>507,490</b>	<b>699,410</b>	<b>551,990</b>
Surplus or Deficit	49,345	13,310	(161,301)	(14,321)
Beginning Balance	256,100	209,283	305,445	144,144
<b>Ending Fund Balance</b>	<b>305,445</b>	<b>222,593</b>	<b>144,144</b>	<b>129,823</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
18%	88,702	91,348	125,894	99,358
25%	123,198	126,873	174,852	137,997

# Refuse Fund

## Refuse Fund 2021 Highlights

### *Revenue*

- No significant changes.
- Ending fund balance projected to be 6% above the reserve fund policy; 18% to 25% of annual expenditures.

### *Expenditures*

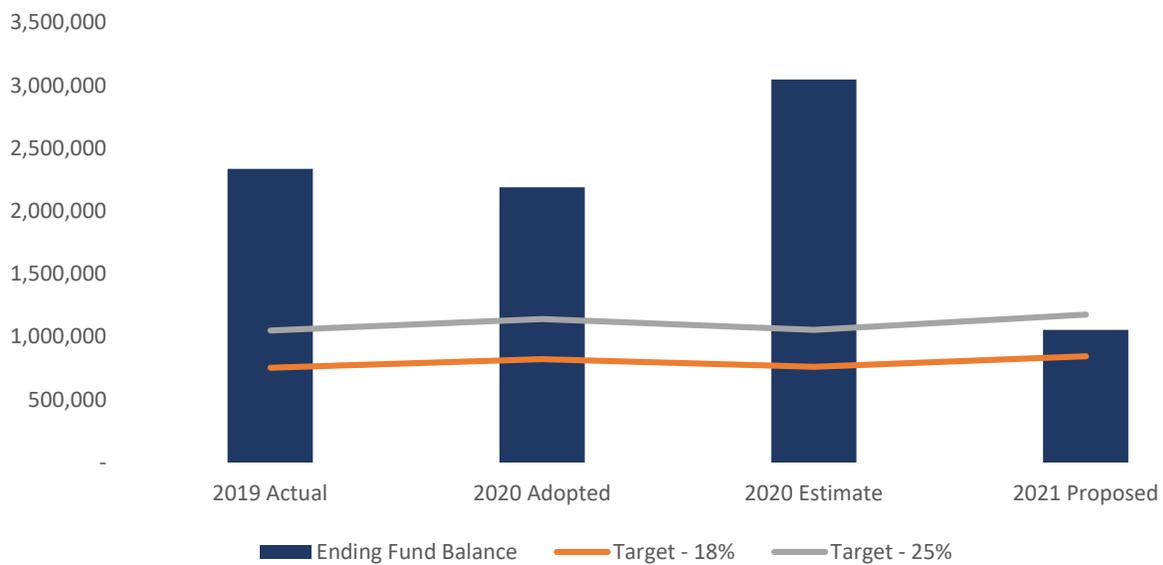
- The 2021 budget proposes a continuation of the \$30,000 transfer to General Fund for administrative over-head costs.

*Refuse Line-Item Detail*

<b>Refuse</b>		2020 Adopted	2020 Estimate	2021 Proposed
15-150-5401	Abatement Fees	3,500	2,914	3,676
15-150-5404	Trash Bag Tag Fees	300	429	413
15-150-5501	Customer Sales Receipts	510,000	521,614	517,834
15-150-5502	Customer Penalty Receipts	7,000	13,152	15,745
15-150-5896	Pass Thru Fees	-	-	-
<b>Total Revenue</b>		<b>520,800</b>	<b>538,109</b>	<b>537,668</b>
15-150-6209	Refuse Services	473,690	434,073	496,563
15-150-6301	Postage & Shipping	900	357	368
15-150-6452	Publication Services	100	-	-
15-150-6625	Nuisance Abatement Services	2,500	-	-
15-150-7999	Other Operating Supplies	300	-	16
15-150-6802	Maintenance & Repair Services	-	23,850	25,043
15-150-6999	Other Contractual Services	-	211,130	-
15-150-9201	Transfer to General Fund	30,000	30,000	30,000
15-150-8896	Pass Thru Fees	-	-	-
<b>Total Expenditures</b>		<b>507,490</b>	<b>699,410</b>	<b>551,990</b>
Surplus or Deficit		13,310	(161,301)	(14,321)
Beginning Balance		209,283	305,445	144,144
<b>Ending Fund Balance</b>		<b>222,593</b>	<b>144,144</b>	<b>129,823</b>

# Electric Fund

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Customer Sales	4,771,302	4,877,000	4,611,602	4,887,275
Other Revenues	371,227	264,510	324,686	335,277
<b>Total Revenues</b>	<b>5,142,529</b>	<b>5,141,510</b>	<b>4,936,287</b>	<b>5,222,552</b>
<b>Expenditures</b>				
Personnel	584,257	670,880	605,063	679,198
KCP&L Contract	1,999,724	2,061,000	1,935,996	2,127,880
KMEA Power Supply	908,429	962,000	858,861	886,755
KMEA WAPA	56,525	57,000	56,625	57,065
Other Contractual	409,494	397,350	400,209	391,526
Commodities	128,429	152,800	135,246	148,780
Capital Outlay	2,394	122,701	119,556	224,800
Debt Service	108,761	145,877	114,067	193,005
Transfers	-	-	-	-
Pass Thru Fees	4,034	-	355	-
<b>Total Expenditures</b>	<b>4,202,047</b>	<b>4,569,608</b>	<b>4,225,623</b>	<b>4,709,009</b>
Surplus or Deficit	940,482	571,902	710,664	513,543
Beginning Balance	2,050,536	1,618,196	2,337,261	3,047,939
<b>Ending Fund Balance</b>	<b>2,337,261</b>	<b>2,190,098</b>	<b>3,047,925</b>	<b>3,561,482</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
18%	756,368	822,529	760,612	847,622
25%	1,050,512	1,142,402	1,056,406	1,177,252

# Electric Fund

Electric Fund Capital Outlay		2020 Adopted	2020 Estimate	2021 Proposed
PW2012	Single Drum Roller Compactor <i>(split /4)</i>	6,500		
EL19--	Intech Park Phase II, III, & IV	-	119,556	
EL20--	Hunters Ridge Phase I, II, & III	152,701		224,800
<b>Total Electric Fund Capital Outlay</b>		<b>159,201</b>	<b>119,556</b>	<b>224,800</b>

## Electric Fund 2021 Highlights

### Revenue

- Revenue for the first half of 2020 decreased by 9%, roughly \$160,000, from the same period in 2019 due to the additional rain and cooler temperatures received in 2019.
- No rate increase proposed for the 2021 budget.
- Although revenue for 2020 has decreased, fund balance for 2020 & 2021 projected to be **above** the 18% to 25% reserve policy target.

### Expenditures

- Electric study was completed in 2019. Identified critical improvements have been recommended as part of the 2021 budget.
- This fund is expected to be revised in 2020 or 2021 in response to the sales tax audit conducted by the KDOR in 2019 which is being appealed. As the implications to the fund are still evolving at the time of budget adoption and are not yet known, the 2021 budget reflects a "business as usual" approach to operations and forecasts. City staff has adjusted its practices in accordance with State requirements and continues to monitor the developments of this audit and its potential impacts to this fund.

### Debt

- GOB Series 2016-A *(AMI project)*
- ALTEC D3055E digger truck *(Central Bank of the Midwest)*
- USBank Government Financing *(HVAC & lighting project)*
- John Deere 324L - 4WD Loader *(Central Bank of the Midwest)*

### Payment Due in 2021

73,175	ends 2031
72,937	ends 2025
33,186	ends 2030
7,200	ends 2022
<b>186,498</b>	

*Electric Fund Line-Item Detail*

<i>Electric Fund</i>		2020 Adopted	2020 Estimate	2021 Proposed
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20-200-4100	City Sales Tax	65,000	62,705	62,941
20-200-4105	County Sales Tax	44,510	44,870	37,486
20-200-4107	State Sales Tax	45,000	36,220	39,127
20-200-4501	Licenses and Permits	9,000	19,980	10,375
20-200-4506	Contractor License Fee	1,000	3,075	2,325
20-200-5402	Door Hanger Fees	-	-	-
20-200-5403	Reconnect Fees	3,000	7,423	7,782
20-200-5501	Customer Sales Receipts	4,877,000	4,611,602	4,887,275
20-200-5502	Customer Penalty Receipts	75,000	117,139	141,236
20-200-5506	New Resident Fee	11,000	11,990	12,680
20-200-5801	Interest Earnings	9,000	19,863	19,863
20-200-5802	Returned Check Fees	2,000	1,420	1,463
<b>Total Revenue</b>		<b>5,141,510</b>	<b>4,936,287</b>	<b>5,222,552</b>

20-200-6001	Wages and Salaries	473,200	429,779	501,681
20-200-6002	Part-Time Wages	4,200	-	-
20-200-6004	Overtime Wages	6,700	4,024	4,145
20-200-6005	Uniform Expense	5,000	6,901	7,108
20-200-6020	Social Security/Medicare	37,025	33,186	38,696
20-200-6021	KPERS	48,475	54,039	44,867
20-200-6023	Health Insurance	74,715	57,237	61,197
20-200-6024	Unemployment	1,215	1,085	1,265
20-200-6025	Workers Compensation	20,350	18,813	20,241
<b>Total Personnel</b>		<b>670,880</b>	<b>605,063</b>	<b>679,198</b>

20-200-6202	KCP&L Contract	2,061,000	1,935,996	2,127,880
20-200-6203	KMEA Power Supply	962,000	858,861	886,755
20-200-6204	KMEA WAPA	57,000	56,625	57,065
20-200-6206	Natural Gas	3,500	1,701	1,752
20-200-6208	Data Services	23,000	19,132	18,522
20-200-6251	Travel & Training	15,000	10,609	15,015
20-200-6301	Postage & Shipping	1,000	963	992
20-200-6302	Transaction Fees	35,000	31,527	32,473
20-200-6303	Dues, Subs, Permits, License	12,500	11,611	11,960
20-200-6451	Publication Services	500	-	-
20-200-6452	Publication Services	21,850	20,039	21,642
20-200-6601	Legal Services	5,000	35,000	10,000
20-200-6603	Financial Services	27,000	43,000	39,000
20-200-6605	Planning & Engineering Services	-	-	-
20-200-6611	Medical & Personnel Services	1,000	578	1,547
20-200-6614	Printing & Copying Services	15,500	12,982	15,399
20-200-6619	Tree Trimming Services	50,000	47,978	55,000
20-200-6627	Protective Equipment Testing	15,000	11,500	12,000
20-200-6802	Maintenance & Repair Services	2,000	1,044	1,075
20-200-6871	Vehicle & Equip Services	5,000	6,849	9,416
20-200-6905	Sales Tax Remittance	156,000	136,420	139,554
20-200-6999	Other Contractual Services	8,000	8,907	5,799
<b>Total Contractual</b>		<b>3,476,850</b>	<b>3,251,322</b>	<b>3,462,846</b>

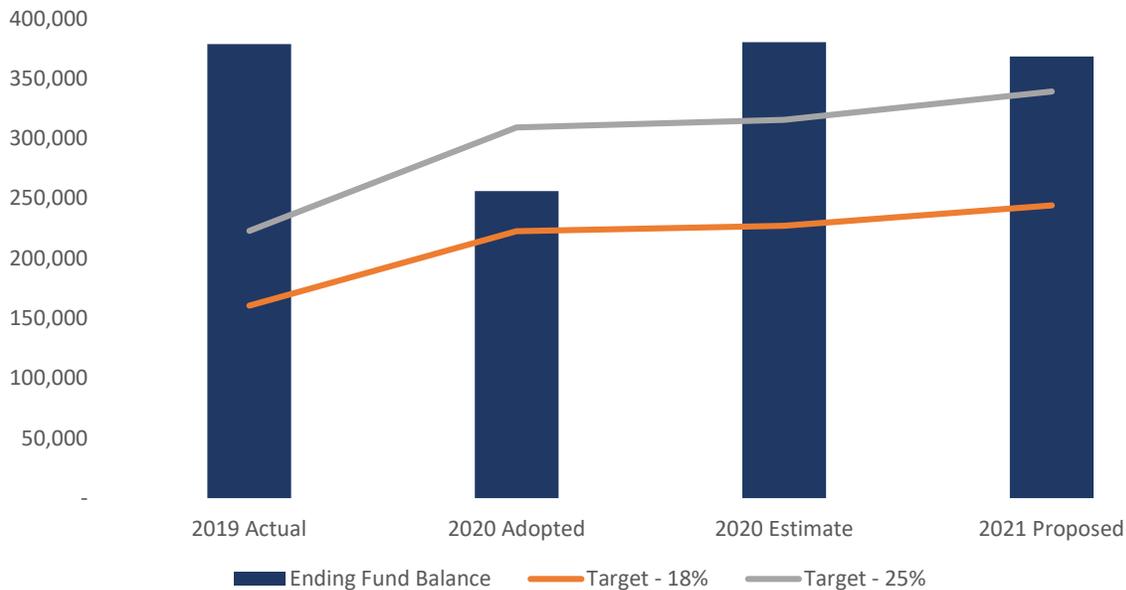
20-200-7001	Office Supplies & Equipment	1,800	295	492
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*Electric Fund Line-Item Detail*

<i>Electric Fund</i>		2020 Adopted	2020 Estimate	2021 Proposed
20-200-7202	Repair & Maintenance Material	25,500	35,709	30,000
20-200-7203	New Service Material	60,000	61,637	65,000
20-200-7212	Electric Utility Poles	20,000	20,000	20,000
20-200-7301	Building & Grounds Supplies	3,000	2,099	6,699
20-200-7501	Vehicle & Equipment Parts	16,500	3,563	6,430
20-200-7504	Tools & Shop Supplies	9,500	2,567	8,034
20-200-7551	Gasoline (Fuel)	13,000	8,871	10,478
20-200-7999	Other Supplies & Equipment	3,500	503	1,647
<b>Total Commodities</b>		<b>152,800</b>	<b>135,246</b>	<b>148,780</b>
20-200-8896	Pass Through Expense	-	355	-
20-200-8999	Projects - Equipment	122,701	119,556	224,800
<b>Total Capital Outlay</b>		<b>122,701</b>	<b>119,911</b>	<b>224,800</b>
20-200-9001	Gen Obligation Bonds	74,375	74,375	153,313
20-200-9011	Capital Leases - Principal/Int	71,502	39,692	39,692
<b>Total Debt Service</b>		<b>145,877</b>	<b>114,067</b>	<b>193,005</b>
20-200-9201	Transfer To General Fund	-	-	-
<b>Total Transfers</b>		<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Expenditures</b>		<b>4,569,108</b>	<b>4,225,609</b>	<b>4,708,629</b>
	Surplus or Deficit	572,402	710,678	513,923
	Beginning Balance	1,618,196	2,337,261	3,047,939
<b>Ending Fund Balance</b>		<b>2,190,598</b>	<b>3,047,939</b>	<b>3,561,862</b>

# Water Fund

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Customer Sales	1,107,099	1,197,330	1,178,968	1,273,285
Other Revenues	81,192	55,500	84,781	72,488
<b>Total Revenues</b>	<b>1,188,291</b>	<b>1,252,830</b>	<b>1,263,749</b>	<b>1,345,773</b>
<b>Expenditures</b>				
Personnel	388,095	355,990	350,570	369,478
Utility Service Co.	101,261	102,640	102,640	104,070
Other Contractual	149,471	158,100	160,687	153,257
Commodities	163,864	194,100	163,121	178,397
Capital Outlay	-	176,500	190,377	236,080
Debt Service	6,506	108,162	152,952	174,360
Transfer to General Fund	75,000	142,000	142,000	142,000
Pass Thru Fees	8,849	-	-	-
<b>Total Expenditures</b>	<b>893,046</b>	<b>1,237,492</b>	<b>1,262,346</b>	<b>1,357,642</b>
Surplus or Deficit	295,245	15,338	1,402	(11,868)
Beginning Balance	83,734	240,753	378,979	380,381
<b>Ending Fund Balance</b>	<b>378,979</b>	<b>256,091</b>	<b>380,381</b>	<b>368,513</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
18%	160,748	222,749	227,222	244,375
25%	223,262	309,373	315,587	339,410

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
Ending Fund Balance	378,979	256,091	380,381	368,513
Target - 18%	160,748	222,749	227,222	244,375
Target - 25%	223,262	309,373	315,587	339,410

# Water Fund

Water Fund Capital Outlay	2020 Adopted	2020 Estimate	2021 Proposed
Replace Center Bearings & Beadblast & Paint Basin 1		108,500	
Bulk Water System Upgrades		377	
Filter Valve Replacement (final)	40,000	40,000	
Replace All Remaining Valves in Water Plant		35,000	
Single Drum Roller Compactor ( <i>split /4</i> )	6,500	6,500	
Replace lime feeder	-		47,840
Sandblast & pain all filters, valves, & pipes in water tre	-		41,600
Upgrade PLC (software control system)	-		78,000
Improve backwash holding tanks			68,640
Improvements per 2019 Facility Study	130,000		
<b>Total Water Fund Capital Outlay</b>	<b>176,500</b>	<b>190,377</b>	<b>236,080</b>

## Water Fund 2021 Highlights

### Revenue

- Propose a 8% rate increase for 2021.
- Ending fund balance remains within the 18% to 25% reserve fund policy.

### Expenditures

- The 2021 budget recommends an allocation of \$236k toward beginning implementing the priorities identified in the system facility study conducted in 2019. Toward that end, in 2019 staff created a Capital Improvement Plan to optimize our limited resources toward creating system sustainability and effectiveness.

*The 2019 study was meant to be a guide and is intended to be used in the context of real-world circumstances (e.g. weather, unforeseen economic swings, etc.) that can sometimes be beyond our control and which result in altering the pace at which*

### Debt

- GOB Series 2010-A (*general facility improvements*)
- KDHE Loan 2926 (*Winchester Waterline & Well #10*)
- USBank Government Financing (*water meter project*)
- John Deere Financial (*excavator*)
- John Deere 324L - 4WD Loader (Central Bank of the Midwest)

### Payment Due in 2021

-	ends 2030
66,433	ends 2039
94,453	ends 2030
6,506	ends 2021
7,200	ends 2022
<b>174,592</b>	

*Water Fund Line-Item Detail*

# Water Fund

2020 Adopted

2020 Estimate

2021 Proposed

30-300-4100	City Sales Tax	1,200	1,663	1,343
30-300-4105	County Sales Tax	700	1,188	803
30-300-4107	State Sales Tax	4,500	6,139	4,916
30-300-4501	Licenses, Permits & Fees	3,000	3,430	3,650
30-300-4504	Water Meter 3/4" or 1" Fees	15,000	33,000	16,500
30-300-4506	Contractor License Fee	500	863	888
30-300-5501	Customer Sales Receipts	1,197,330	1,178,968	1,273,285
30-300-5502	Customer Penalty Receipts	19,000	25,779	30,243
30-300-5504	Bulk Water Receipts	3,500	4,778	5,423
30-300-5505	Bulk Water Meter Deposits	-	-	-
30-300-5506	New Resident Fee	8,000	7,830	8,610
30-300-5801	Interest Earnings	100	112	112
<b>Total Revenue</b>		<b>1,252,830</b>	<b>1,263,749</b>	<b>1,345,773</b>

30-300-6001	Wages and Salaries	236,100	233,308	251,150
30-300-6004	Overtime Wages	7,100	7,118	7,331
30-300-6005	Uniform Expense	1,500	370	381
30-300-6020	Social Security/Medicare	18,650	18,393	19,774
30-300-6021	KPERS	24,055	23,778	22,927
30-300-6023	Health Insurance	53,500	52,694	53,048
30-300-6024	Unemployment	610	601	646
30-300-6025	Workers Compensation	14,475	14,309	14,220
<b>Total Personnel</b>		<b>355,990</b>	<b>350,570</b>	<b>369,478</b>

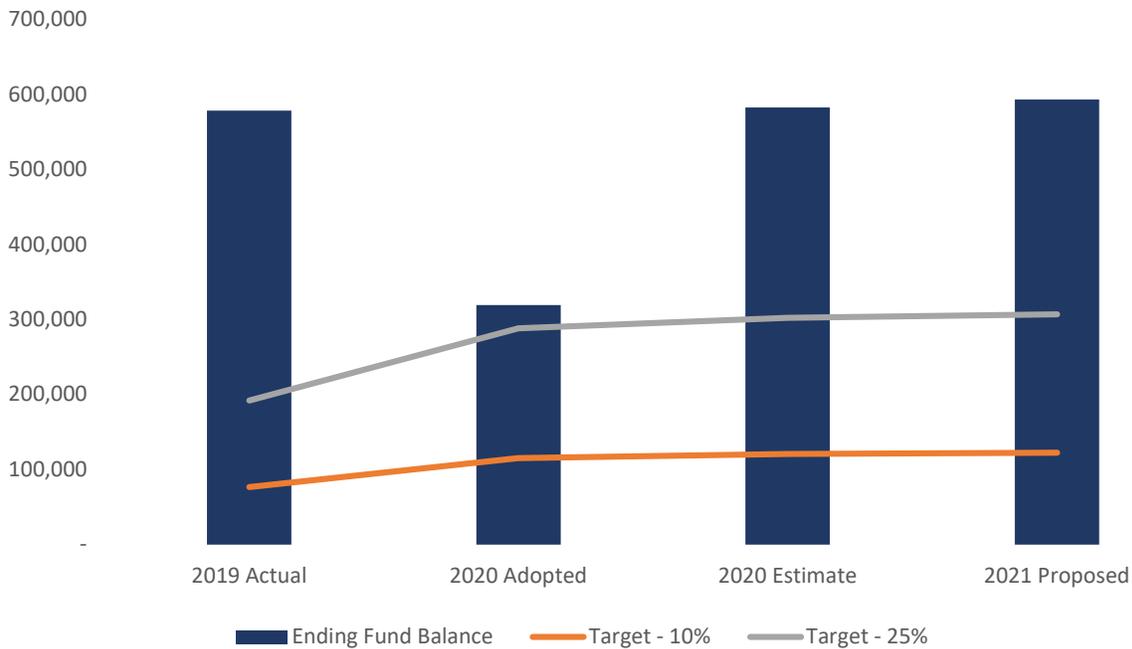
30-300-6201	Electricity	16,000	11,649	13,000
30-300-6206	Natural Gas	-	-	-
30-300-6208	Data Services	12,000	9,529	9,484
30-300-6251	Travel & Training	7,500	5,838	6,013
30-300-6253	Staff Activity Services	400	129	133
30-300-6301	Postage & Shipping	3,000	250	250
30-300-6302	Transaction Fees	20,000	18,402	18,954
30-300-6452	Publication Services	300	13	13
30-300-6501	Insurance Premiums	34,850	35,000	37,800
30-300-6601	Legal Services	12,000	25,000	10,000
30-300-6603	Financial Services	5,500	7,000	7,000
30-300-6605	Planning & Engineering Services	1,000	424	436
30-300-6611	Medical & Personnel Services	750	379	588
30-300-6613	Laboratory Services	3,600	2,240	2,308
30-300-6614	Printing & Copying Services	6,500	6,081	6,961
30-300-6802	Maintenance & Repair Services	17,000	14,540	17,853
30-300-6853	Maintenance Tower & Well	102,640	102,640	104,070
30-300-6871	Vehicle & Equip Repair Services	1,000	1,144	761
30-300-6905	Sales Tax Remittance	6,800	8,330	7,062
30-300-6906	Clean Water Protection Fees	6,500	7,428	7,441
30-300-6999	Other Contractual Services	1,000	3,291	3,060
<b>Total Contractual</b>		<b>258,340</b>	<b>259,305</b>	<b>253,185</b>

*Water Fund Line-Item Detail*

<b>Water Fund</b>		2020 Adopted	2020 Estimate	2021 Proposed
30-300-7001	Office Supplies & Equipment	3,000	1,687	2,024
30-300-7202	Repair & Maintenance Material	31,000	20,000	25,000
30-300-7203	New Service Material	20,000	15,000	20,000
30-300-7301	Building & Grounds Supplies	5,000	8,802	7,387
30-300-7403	Coagulate	24,000	29,000	31,000
30-300-7405	Chlorine	10,500	8,000	8,500
30-300-7407	Lime	71,000	57,000	60,000
30-300-7499	Other Chemicals	9,100	8,387	7,350
30-300-7501	Vehicle & Equipment Parts	7,500	4,776	5,151
30-300-7504	Tools & Shop Supplies	8,000	4,918	6,299
30-300-7551	Gasoline (Fuel)	3,500	3,974	3,726
30-300-7999	Other Supplies & Equipment	1,500	1,577	1,959
<b>Total Commodities</b>		<b>194,100</b>	<b>163,121</b>	<b>178,397</b>
30-300-8999	Projects	176,500	190,377	236,080
<b>Total Capital Outlay</b>		<b>176,500</b>	<b>190,377</b>	<b>236,080</b>
30-300-9001	Gen Obligation Bonds	-	-	-
30-300-9011	Capital Leases - Principal/Int	108,162	152,952	174,360
<b>Total Debt Service</b>		<b>108,162</b>	<b>152,952</b>	<b>174,360</b>
30-300-9201	Transfer To General Fund	142,000	142,000	142,000
<b>Total Transfers</b>		<b>142,000</b>	<b>142,000</b>	<b>142,000</b>
<b>Total Expenditures</b>		<b>1,235,092</b>	<b>1,258,324</b>	<b>1,353,499</b>
Surplus or Deficit		17,738	5,424	(7,726)
Beginning Balance		238,353	378,979	384,403
<b>Ending Fund Balance</b>		<b>256,091</b>	<b>384,403</b>	<b>376,677</b>

# Wastewater Fund

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Customer Sales	1,114,930	1,203,108	1,178,049	1,201,610
EMC Ins (payment on '17 claim)	956	-	-	-
Other Revenues	46,281	24,200	35,478	37,528
<b>Total Revenues</b>	<b>1,162,166</b>	<b>1,227,308</b>	<b>1,213,526</b>	<b>1,239,137</b>
<b>Expenditures</b>				
Personnel	266,196	350,780	342,710	349,423
Contractual	141,427	167,600	153,614	139,348
Commodities	43,111	82,000	66,459	64,091
Capital Outlay	41,000	6,500	106,500	127,920
Debt Service	198,606	405,098	397,895	405,745
Transfer to General Fund	75,000	142,000	142,000	142,000
Pass Thru Fees	3,991	-	-	-
<b>Total Expenditures</b>	<b>769,330</b>	<b>1,153,978</b>	<b>1,209,177</b>	<b>1,228,528</b>
Surplus or Deficit	392,836	73,330	4,349	10,610
Beginning Balance	185,412	245,994	578,248	582,597
<b>Ending Fund Balance</b>	<b>578,248</b>	<b>319,324</b>	<b>582,597</b>	<b>593,207</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
10%	76,933	115,398	120,918	122,853
25%	192,333	288,495	302,294	307,132

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
Ending Fund Balance	578,248	319,324	582,597	593,207
Target - 10%	76,933	115,398	120,918	122,853
Target - 25%	192,333	288,495	302,294	307,132

# Wastewater Fund

Wastewater Fund Capital Outlay	2020 Adopted	2020 Estimate	2021 Proposed
Design - Main Lift Station (Influent) - Upgrades & Single Drum Roller Compactor (split /4)	6,500	100,000 6,500	-
Backup blower			13,520
UV lights and new gates on south side			46,800
Upgrade new channel, relay board and new gates on north side			41,600
Upgrade the return-activated sludge (RAS) & waste-activated sludge (WAS)			26,000
Improvements per 2019 Facility Study	150,000		
<b>Total Wastewater Fund Capital Outlay</b>	<b>156,500</b>	<b>106,500</b>	<b>127,920</b>

## Wastewater Fund 2021 Highlights

### Revenue

- Propose a 2% rate increase for 2021.
- Reserve fund policy for wastewater is 10% to 25% vs. 18% to 25% for most funds.
- Ending fund balance exceeds the 25% reserve fund policy by 63%.

### Expenditures

- As part of a continuing sewer maintenance program, \$25,000 is allocated for root control service in 2021.
- The Peach St pump station upgrades in the amount of \$183,000 were originally budgeted in the Waste Water Fund but will be paid out of the Waste Water Impact Fund in 2021.
- The 2021 budget recommends an allocation of \$311k toward beginning implementing the priorities identified in the system facility study conducted in 2019. Toward that end, in 2019 staff created a Capital Improvement Plan to optimize our limited resources toward creating system sustainability and effectiveness.  
*world circumstances (e.g. weather, unforeseen economic swings, etc.) that can sometimes be beyond our control and which result in altering the pace at which we can address the recommendations.*

# Wastewater Fund

- The \$100,000 for Design of the Main Lift Station upgrades will occur in 2020. Bonds to finance the upgrade are planned to be sold in 2021. The construction will occur in 2021/2022 with the first bond payment beginning in 2022. The Design costs referred to above may be included in the amount bonded.

**Debt**

GOB Series 2013-B *(facility improvements)*  
KDHE C20 1678-01 *(facility improvements)*  
John Deere 324L - 4WD Loader (Central Bank of the Midwest)  
John Deere Financial *(excavator)*

**Payment Due in 2021**

190,656	<i>ends 2028</i>
201,383	<i>ends 2028</i>
7,200	<i>ends 2022</i>
6,506	<i>ends 2021</i>
<hr/>	
405,745	

**Wastewater Fund Line-Item Detail**

<b>Wastewater Fund</b>		2020 Adopted	2020 Estimate	2021 Proposed
40-400-4501	Licenses and Permits	50	-	-
40-400-4503	Tap Fees	2,500	6,600	3,465
40-400-4506	Contractor License Fee	300	863	888
40-400-5501	Customer Sales Receipts	1,203,108	1,178,049	1,201,610
40-400-5502	Customer Penalty Receipts	21,000	27,358	32,498
40-400-5801	Interest Earnings	350	657	676
40-400-5896	Pass Through Fees	-	-	-
40-400-5899	Other - Miscellaneous	-	-	-
<b>Total Revenue</b>		<b>1,227,308</b>	<b>1,213,526</b>	<b>1,239,137</b>
40-400-6001	Wages and Salaries	240,150	236,258	244,297
40-400-6004	Overtime Wages	5,010	5,009	5,159
40-400-6005	Uniform Expense	2,500	308	317
40-400-6020	Social Security/Medicare	18,750	18,457	19,083
40-400-6021	KPERS	24,250	23,861	22,127
40-400-6023	Health Insurance	44,925	43,861	44,047
40-400-6024	Unemployment	615	603	624
40-400-6025	Workers Compensation	14,580	14,353	13,769
<b>Total Personnel</b>		<b>350,780</b>	<b>342,710</b>	<b>349,423</b>
40-400-6206	Natural Gas	3,200	1,721	1,772
40-400-6208	Data Services	11,500	11,258	10,306
40-400-6251	Travel & Training	6,500	3,062	3,153
40-400-6253	Staff Activity Services	500	180	185
40-400-6301	Postage & Shipping	2,500	93	96
40-400-6302	Transaction Fees	20,000	18,402	18,954
40-400-6303	Dues, Subs, License, Lease	2,000	387	398
40-400-6452	Publication Services	250	-	-
40-400-6502	Insurance Premiums	-	-	-
40-400-6601	Legal Services	250	-	1,000
40-400-6603	Financial Services	6,000	4,280	6,121
40-400-6611	Medical & Personnel Services	700	355	633
40-400-6613	Laboratory Services	7,000	9,646	10,181
40-400-6614	Printing & Copying Service	6,500	6,081	6,961
40-400-6622	Sludge Removal Services	11,000	6,747	6,950
40-400-6802	Maintenance & Repair Services	60,000	60,000	42,931
40-400-6851	Root Control Services	25,000	25,000	25,000
40-400-6871	Vehicle & Equip Services	700	1,062	714
40-400-6999	Other Contractual Services	3,500	5,341	3,993
<b>Total Contractual</b>		<b>167,100</b>	<b>153,614</b>	<b>139,348</b>
40-400-7001	Office Supplies & Equipment	2,500	522	645
40-400-7202	Repair & Maintenance Material	40,000	40,000	40,000
40-400-7301	Building & Grounds Supplies	3,000	4,585	2,725
40-400-7499	Other Chemicals	13,000	7,500	7,539
40-400-7501	Vehicle & Equipment Parts	7,000	5,639	3,941
40-400-7504	Tools & Shop Supplies	8,500	4,663	5,315
40-400-7551	Gasoline (Fuel)	5,000	2,206	2,781
40-400-7999	Other Supplies & Equipment	3,000	1,344	1,145
<b>Total Commodities</b>		<b>82,000</b>	<b>66,459</b>	<b>64,091</b>

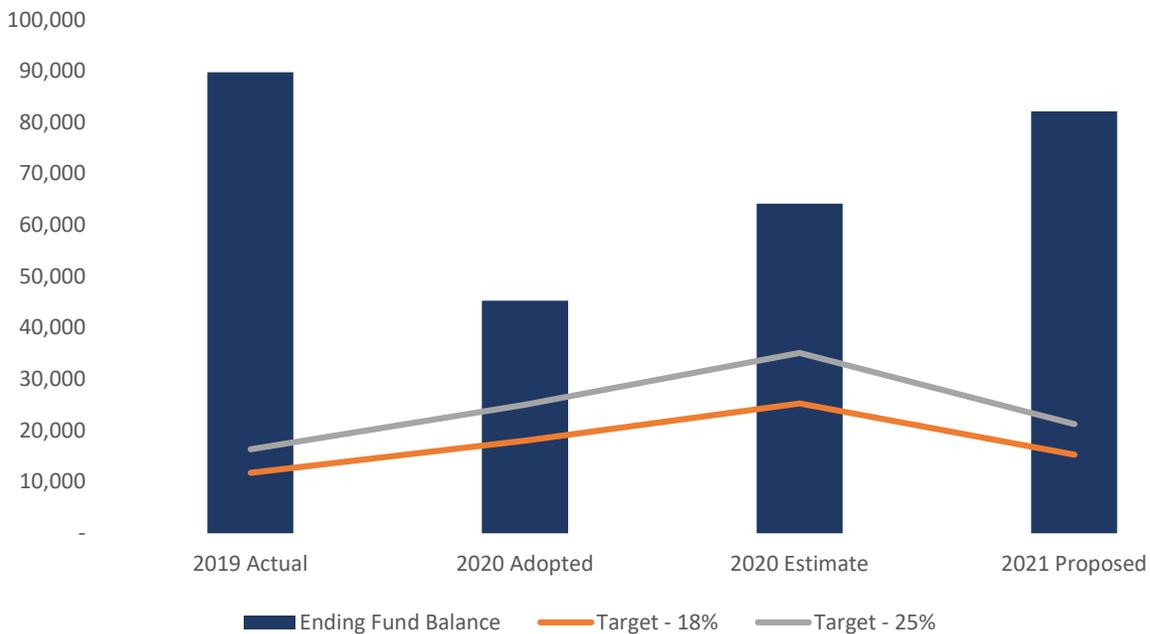
*Wastewater Fund Line-Item Detail*

<b>Wastewater Fund</b>		2020 Adopted	2020 Estimate	2021 Proposed
40-400-8999	Carlson software (split 4 ways)	6,500	106,500	127,920
<b>Total Capital Outlay</b>		<b>6,500</b>	<b>106,500</b>	<b>127,920</b>
40-400-9001	Gen Obligation Bonds	190,006	391,389	197,856
40-400-9011	Capital Leases - Principal/Int	215,092	6,506	207,889
<b>Total Debt Service</b>		<b>405,098</b>	<b>397,895</b>	<b>405,745</b>
40-400-9201	Transfer To General Fund	142,000	142,000	142,000
<b>Total Transfers</b>		<b>142,000</b>	<b>142,000</b>	<b>142,000</b>
<b>Total Expenditures</b>		<b>1,153,478</b>	<b>1,209,177</b>	<b>1,228,528</b>
	Surplus or Deficit	73,830	4,349	10,610
	Beginning Balance	245,494	578,248	582,597
<b>Ending Fund Balance</b>		<b>319,324</b>	<b>582,597</b>	<b>593,207</b>

2021 Storm Drainage Fund Overview

# Storm Drainage Fund

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Customer Sales	114,196	98,000	114,000	102,968
Other Revenues	-	-	939	-
<b>Total Revenues</b>	<b>114,196</b>	<b>98,000</b>	<b>114,939</b>	<b>102,968</b>
<b>Expenditures</b>				
Engineering Services	-	-	39,650	-
Repair & Maintenance Material	463	35,000	25,000	10,000
Transfer to Special Highway	65,000	65,000	75,000	75,000
Pass Thru Fees	-	-	939	-
<b>Total Expenditures</b>	<b>65,463</b>	<b>100,000</b>	<b>140,589</b>	<b>85,000</b>
Surplus or Deficit	48,733	(2,000)	(25,650)	17,968
Beginning Balance	41,076	47,293	89,809	64,159
<b>Ending Fund Balance</b>	<b>89,809</b>	<b>45,293</b>	<b>64,159</b>	<b>82,127</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
18%	11,783	18,000	25,306	15,300
25%	16,366	25,000	35,147	21,250

# *Storm Drainage Fund*

## Storm Drainage Fund 2021 Highlights

### *Revenue*

- The new rate structure for the stormwater utility fee was implemented in 2019. 2020 is the first full year (baseline) for forecasting purposes.

### *Expenditures*

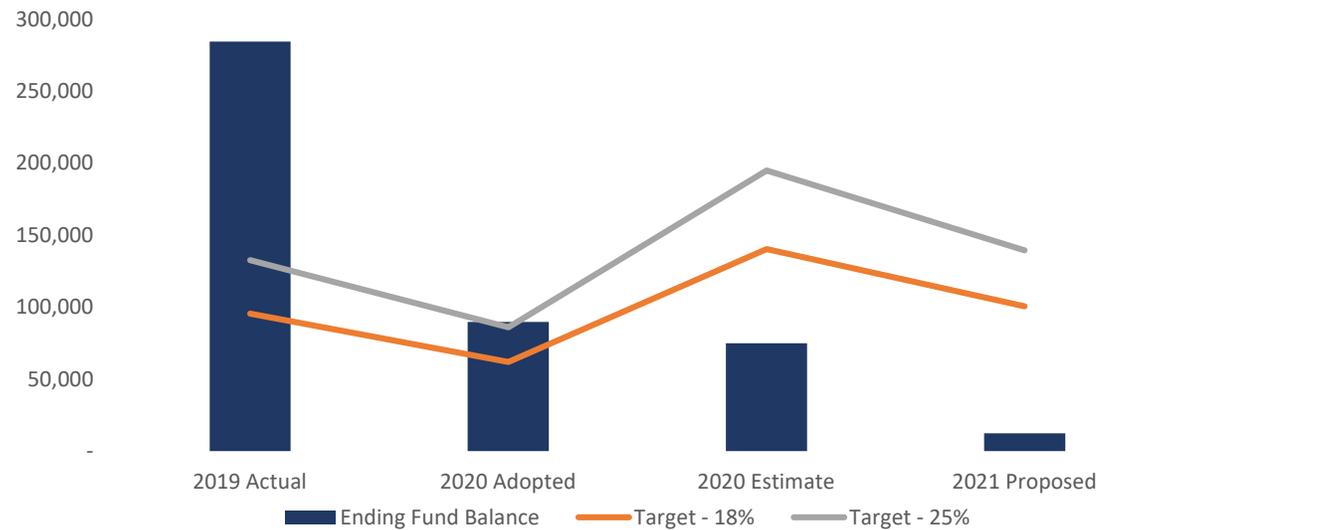
- The 2021 budget proposes allowing the revenues to build-up and be monitored before planning and scheduling needed improvements.

*Storm Drainage Fund Line-Item Detail*

<i>Storm Drainage Fund</i>		2020 Budget	2020 Estimate	2021 Proposed
50-500-5501	Customer Sales Receipts	98,000	114,000	102,968
50-500-5896	Pass Thru Fees	-	939	-
<b>Total Revenue</b>		<b>98,000</b>	<b>114,939</b>	<b>102,968</b>
50-500-6605	Engineering Services	-	39,650	-
50-500-7202	Repair & Maintenance Material	35,000	25,000	10,000
50-500-7202	Pass Thru Expense	-	939	-
50-500-9261	Transfer to Special Highway	65,000	75,000	75,000
<b>Total Transfers</b>		<b>65,000</b>	<b>75,000</b>	<b>75,000</b>
<b>Total Expenditures</b>		<b>100,000</b>	<b>140,589</b>	<b>85,000</b>
Surplus or Deficit		(2,000)	(25,650)	17,968
Beginning Balance		47,293	89,809	64,159
<b>Ending Fund Balance</b>		<b>45,293</b>	<b>64,159</b>	<b>82,127</b>

# Special Highway Fund

	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
<b>Revenues</b>				
Motor Fuel Tax	188,760	184,000	177,070	154,900
Federal Grants	62,863	50,000	115,401	60,000
Mud Bond Fees	2,750	1,500	2,750	-
Transfer from Storm Drainage	65,000	65,000	75,000	75,000
Transfer from CIP -Sales Tax	-	-	200,000	205,520
<b>Total Revenues</b>	<b>319,373</b>	<b>300,500</b>	<b>570,221</b>	<b>495,420</b>
<b>Expenditures</b>				
Planning & Engineering Services	21,846	-	8,129	-
Curb & Gutter Supplies	-	-	-	-
Crack Seal	5,000	27,000	32,821	34,134
Chip & Seal	57,904	52,000	33,813	-
Pothole Repair (via mill & overlay)	-	-	-	-
Street, Curb & Gutter Improvements	445,455	265,000	705,332	523,684
<b>Total Expenditures</b>	<b>530,205</b>	<b>344,000</b>	<b>780,094</b>	<b>557,818</b>
Surplus or Deficit	(210,832)	(43,500)	(209,873)	(62,397)
Beginning Balance	495,433	133,114	284,601	74,728
<b>Ending Fund Balance</b>	<b>284,601</b>	<b>89,614</b>	<b>74,728</b>	<b>12,331</b>



Target Fund Balance	2019 Actual	2020 Adopted	2020 Estimate	2021 Proposed
18%	95,437	61,920	140,417	100,407
25%	132,551	86,000	195,024	139,454

# *Special Highway*

## Special Highway Fund 2021 Highlights

### *Revenue*

- The 2021 budget reflects a decrease in revenue for both Motor Fuel Tax and FFE Funds.

### *Expenditures*

- The 2021 budget proposes \$558,000 for street, curb and gutter improvements.

*Special Highway Line-Item Detail*

<i>Special Highway</i>		2020 Budget	2020 Estimate	2021 Proposed
61-610-4201	Motor Fuel Tax - State	170,000	163,530	143,050
61-610-4202	Motor Fuel Tax - County	14,000	13,540	11,850
61-610-4250	Federal Funds	50,000	115,401	60,000
61-610-4505	Mud Bond Fees	1,500	2,750	-
61-610-5950	Transfer from Storm Drainage	65,000	75,000	75,000
61-610-5960	Transfer from CIP -sales tax	-	200,000	205,520
<b>Total Revenue</b>		<b>300,500</b>	<b>570,221</b>	<b>495,420</b>
61-610-6605	Planning & Engineering Services	-	8,129	-
61-610-7216	Curb & Gutter Supplies	-	-	-
61-610-7402	Crack Seal	27,000	32,821	34,134
61-610-7404	Chip & Seal	52,000	33,813	-
61-610-TBD	Pothole Repair (via mill & overlay)	-	-	-
61-610-8211	Street, Curb & Gutter Improvements	265,000	705,332	523,684
<b>Total Expenditures</b>		<b>344,000</b>	<b>780,094</b>	<b>557,818</b>
Surplus or Deficit		(43,500)	(209,873)	(62,397)
Beginning Balance		133,114	284,601	74,728
<b>Ending Fund Balance</b>		<b>89,614</b>	<b>74,728</b>	<b>12,331</b>

# Equipment Reserve Fund

## Equipment Reserve Fund Detail

	2020 Estimate	2021 Proposed
<b>General Fund Equipment Reserve Detail</b>		
Beginning Fund Balance - (General Fund)	53,451	53,451
General Fund Revenue		
No Revenue Planned	-	-
<b>General Fund Total Revenue</b>	<b>-</b>	<b>-</b>
General Fund Equipment Expense		
No spending planned	-	-
<b>General Fund Total Equipment Expense</b>	<b>-</b>	<b>-</b>
<b>General Fund Equipment Reserve Ending Balance</b>	<b>53,451</b>	<b>53,451</b>
<b>Public Works Equipment Reserve Detail</b>		
Beginning Fund Balance - (Public Works)	62,763	9,312
Public Works Revenue		
No Revenue Planned	-	-
<b>Public Works Total Revenue</b>	<b>-</b>	<b>-</b>
Public Works Equipment Expense		
Large Equipment/Vehicles	41,905	
Vehicle Accessories	11,546	
<b>Public Works Total Equipment Expense</b>	<b>53,451</b>	<b>-</b>
<b>Total Equipment Reserve Ending Fund Balance</b>	<b>9,312</b>	<b>9,312</b>

### Equipment Reserve Fund Highlights

#### Revenue

- No activity to note.

#### Expenditures

	2020 Estimate	2021 Proposed
Hamm Single Drum Roller -split	14,568	-
Bradco 24" Milling Head	11,241	-
John Deere 324L 4WD Loader -net of trade-in (This is down payment)	16,096	-
	41,905	-
Snow plow and spreader	11,546	-

# Impact Funds - Water, Sewer, & Park

## 2021 Impact Funds - All

	2020 Estimate	2021 Proposed
<b>Park Impact Fund</b>		
Revenue		
<i>Park Impact Beginning Fund Balance</i>	65,832	63,653
Liquor Tax	9,420	9,593
Park Impact Fees	3,200	-
P&R Other Misc.	200	-
<b>Total Revenues</b>	<b>12,820</b>	<b>9,593</b>
Expenditures		
Park Improvements - Change over wood to rubber mulch	15,000	-
<b>Total Expenditures</b>	<b>15,000</b>	<b>-</b>
<b>Park Impact Ending Fund Balance</b>	<b>63,653</b>	<b>73,245</b>
<b>Water Impact Fund</b>		
Revenue		
<i>Water Impact Beginning Fund Balance</i>	50,440	50,440
Nothing expected at this time.	-	-
<b>Total Revenues</b>	<b>-</b>	<b>-</b>
Expenditures		
Nothing proposed at this time.	-	-
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>
<b>Sewer Impact Fund</b>		
Revenue		
<i>Sewer Impact Beginning Fund Balance</i>	475,020	527,020
Sewer Impact Fees	52,000	37,538
<b>Total Revenues</b>	<b>52,000</b>	<b>37,538</b>
Expenditures		
Peach St pump Station Upgrades	-	183,872
<b>Total Expenditures</b>	<b>-</b>	<b>183,872</b>
<b>Sewer Impact Ending Fund Balance</b>	<b>527,020</b>	<b>380,686</b>



## Agenda Statement

**Date:** August 10, 2020  
**To:** Mayor and City Commission  
**From:** Planning Commission  
**Re:** Consider approving the Final Development Plan for the Casey's site in the Nottingham Center

### Background

On June 12, 2020 the City of Eudora received a Final Development Plan application for the Casey's site within the Nottingham commercial development (POD) on property addressed as 1428 Elm Street. The approved preliminary development plan for the Nottingham commercial development included a phased development approach. This proposed project is the first project within the development and is located on the northeast corner of the overall development site (the southwest corner of 14<sup>th</sup> and Church) and is within a Commercial POD zoning district which requires a final development plan per Section 16-310 of the Eudora Zoning Regulations.

The application materials were reviewed by the owner of the property (in this case the City as represented by the Nottingham development consultant team) for compliance with the approved tenant criteria and by City Staff for compliance with the applicable City of Eudora regulations and policies. Review comments were provided to the applicant and the applicant subsequently provided responses and revisions to the submitted application materials on July 7, 2020. Since July 7 the architectural and sign package has been revised at the owner's request to better address the applicable tenant criteria approved as part of the preliminary development plan. These revisions and responses were found to be acceptable by the owner in light of their applicable criteria and are included in the agenda packet.

The area proposed to be developed is approximately 1.52 acres of vacant land which is would be utilized as a convenience store with auto fueling service. The proposed future development consists of the following structural elements - a single story building of approximately 4,000 square feet, an overhead canopy covering approximately 3,700 square feet and a dumpster / recycle enclosure area of approximately 560 square feet. On-site and off-site infrastructure (roadway and utility) improvements are also anticipated and are being planned for as part of the proposed development project.

### REVIEW CRITERIA / CONSIDERATIONS

In regard to the review of the final development plan application material, the City Staff has determined that the plan is consistent with the approved preliminary development plan and has found that no substantial changes are being proposed per the criteria found in Section 16-310 (8) (f) as follows:

1. *Changes in the density or intensity of residential uses greater than 5 percent.*

- II. *Increases in the total floor area of all nonresidential buildings covered by the plan greater than 10 percent.*
- III. *Increases of lot coverage greater than 5 percent.*
- IV. *Decreases of areas devoted to open space greater than 5 percent, or the substantial relocation of such areas.*
- V. *Changes of traffic circulation patterns that will affect traffic outside of the project boundaries.*
- VI. *Modification or removal of conditions to the preliminary development plan approval.*
- VII. *Changes to the water or sanitary sewer plans that impact these utilities outside the project boundaries.*

Although substantial changes have not been proposed, the applicant has requested a number of deviations from the approved tenant handbook criteria and the owner’s development team has approved such deviations. Additionally, the following deviations related to the Eudora Sign Regulations have been noted through the staff review:

<b>Signage – Monument sign:</b> Proposed monument sign dimensions exceed city sign regulations.	
City Monument sign regulation	Casey’s monument sign
Max area – 64 sq. ft	Total area – 78.24 sq. ft
Max Ht. – 6 ft	Ht. – 13 ft

**Signage - Gas Canopy signs:** Three signs are proposed to be attached to the gas canopy. In the past one such sign has been allowed per business.

**Budget approval – N/A**

**City Manager Approval – N/A**

**Recommended Commission Action**

*Suggested motion:* I move the City Commission approve the recommendation of the Planning Commission and approve the final development plan application, including the identified deviations, with the following conditions:

1. Clean up any general typographical / technical errors and add information as necessary to address previous staff review comments.
2. Plat (final plat approval and recording / filing required prior to building permit issuance) the property encompassed by the proposed development in accordance with City regulations.
3. Provide evidence of the establishment of the agency for the ownership and maintenance of any common open space and all assurances of the financial and administrative ability of such agency, as well as the provision of any covenants / restrictions (tenant criteria) as part of the final plat review and approval process.
4. Address all design, development and construction details in a manner that meets City requirements through the final plat, public improvement plan, building / construction plan and other applicable permitting processes.
5. Meet all applicable federal, state and local regulations and acquiring applicable permits.

# Staff Report

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**TO:** City of Eudora Planning Commission  
**FROM:** Dave Knopick, AICP - Planning Consultant for the City of Eudora  
**SUBJECT:** Final Development Plan application for the proposed Casey's within the Nottingham commercial development located at 1428 Elm Street, Eudora, KS  
**MEETING:** August 5, 2020

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## BACKGROUND

On June 12, 2020 the City of Eudora received a Final Development Plan for the Casey's site within the Nottingham commercial development (POD) on property addressed as 1428 Elm Street. The approved preliminary development plan for the Nottingham commercial development included a phased development approach. This proposed project is the first project within the development and is located on the northeast corner of the overall development site (the southwest corner of 14<sup>th</sup> and Church) and is within a Commercial POD zoning district which requires a final development plan per Section 16-310 of the Eudora Zoning Regulations.

The application materials were reviewed by the owner of the property (in this case the City as represented by the Nottingham development consultant team) for compliance with the approved tenant criteria and by City Staff for compliance with the applicable City of Eudora regulations and policies. Review comments were provided to the applicant and the applicant subsequently provided responses and revisions to the submitted application materials on July 7, 2020. Since July 7 the architectural and sign package has been revised at the owner's request to better address the applicable tenant criteria approved as part of the preliminary development plan. These revisions and responses were found to be acceptable by the owner in light of their applicable criteria and are included in the agenda packet.

The area proposed to be developed is approximately 1.52 acres of vacant land which is would be utilized as a convenience store with auto fueling service. The proposed future development consists of the following structural elements - a single story building of approximately 4,000 square feet, an overhead canopy covering approximately 3,700 square feet and a dumpster / recycle enclosure area of approximately 560 square feet. On-site and off-site infrastructure (roadway and utility) improvements are also anticipated and are being planned for as part of the proposed development project.

## REVIEW CRITERIA / CONSIDERATIONS

In regard to the review of the final development plan application material, the City Staff has determined that the plan is consistent with the approved preliminary development plan and has found that no substantial changes are being proposed per the criteria found in Section 16-310 (8) (f) as follows:

- I. *Changes in the density or intensity of residential uses greater than 5 percent.*
- II. *Increases in the total floor area of all nonresidential buildings covered by the plan greater than 10 percent.*
- III. *Increases of lot coverage greater than 5 percent.*

## Staff Report

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- IV. *Decreases of areas devoted to open space greater than 5 percent, or the substantial relocation of such areas.*
- V. *Changes of traffic circulation patterns that will affect traffic outside of the project boundaries.*
- VI. *Modification or removal of conditions to the preliminary development plan approval.*
- VII. *Changes to the water or sanitary sewer plans that impact these utilities outside the project boundaries.*

Although substantial changes have not been proposed, the applicant has requested a number of deviations from the approved tenant handbook criteria and the owner's development team has (at the time this report was developed) preliminarily approved such deviations subject to the completion of the owner's review. Additionally, the following deviations related to the Eudora Sign Regulations have been noted through the staff review:

**Signage – Monument sign:** Proposed monument sign dimensions exceed city sign regulations.

City Monument sign regulation

Max area – 64 sq. ft

Max Ht. – 6 ft

Casey's monument sign

Total area – 78.24 sq. ft

Ht. – 13 ft

**Signage - Gas Canopy signs:** Three signs are proposed to be attached to the gas canopy. In the past one such sign has been allowed per business.

### RECOMMENDATION

The Planning Commission should hear from representatives for the application and receive / consider public comment regarding the proposed development. After hearing from those present and discussing the materials provided the Planning Commission should make a recommendation to the City Commission. Staff recommends that the Planning Commission recommend approval of the final development plan application, including the identified deviations, with the following conditions:

1. Clean up any general typographical / technical errors and add information as necessary to address previous staff review comments.
2. Plat (final plat approval and recording / filing required prior to building permit issuance) the property encompassed by the proposed development in accordance with City regulations.
3. Provide evidence of the establishment of the agency for the ownership and maintenance of any common open space and all assurances of the financial and administrative ability of such agency, as well as the provision of any covenants / restrictions (tenant criteria) as part of the final plat review and approval process.
4. Address all design, development and construction details in a manner that meets City requirements through the final plat, public improvement plan, building / construction plan and other applicable permitting processes.
5. Meet all applicable federal, state and local regulations and acquiring applicable permits.





FRONT ELEVATION



RIGHT ELEVATION



BACK ELEVATION



LEFT ELEVATION



FRONT ELEVATION



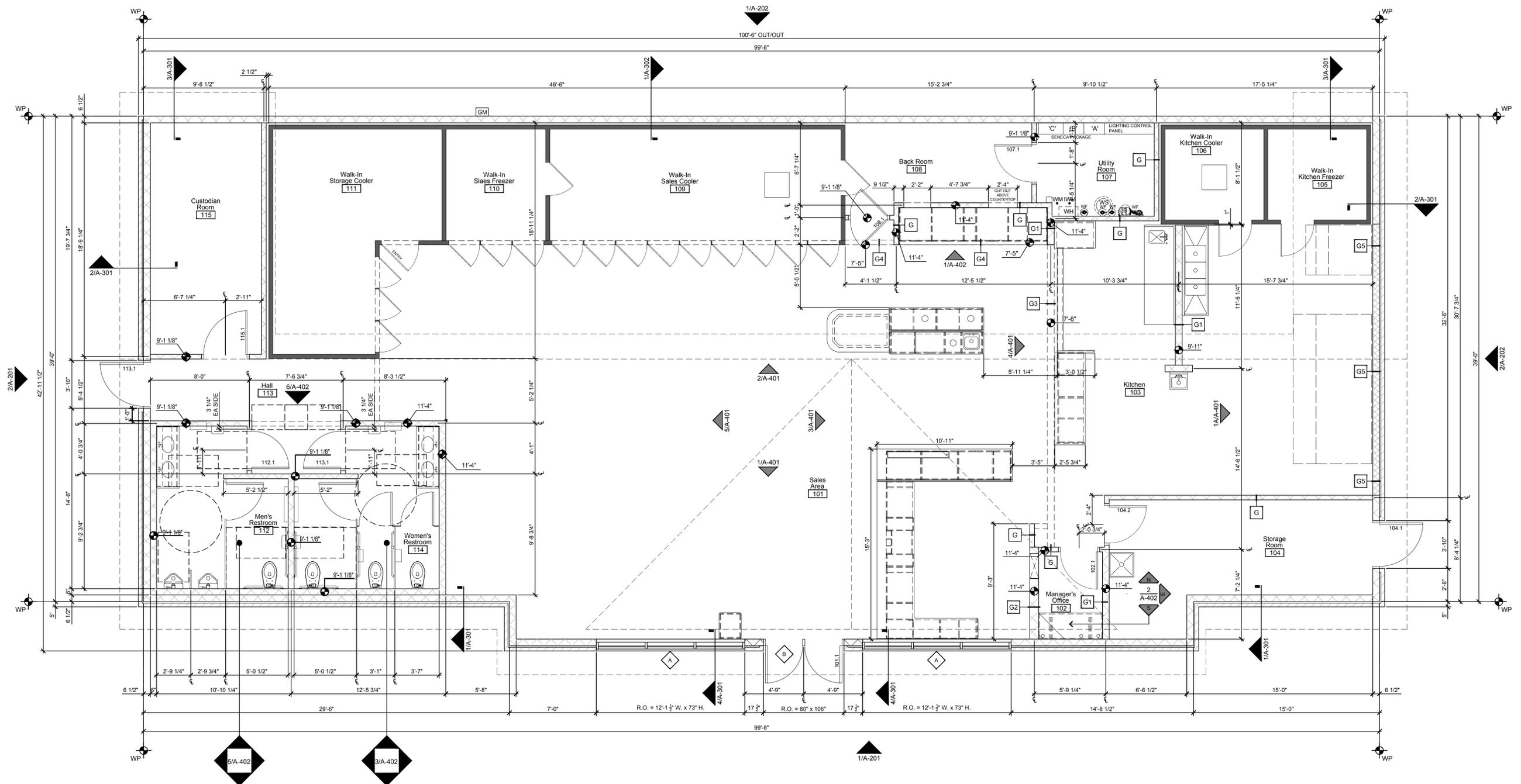
LEFT ELEVATION



BACK ELEVATION



RIGHT ELEVATION



Architectural Floor Plan  
1/4" = 1' - 0"

### General Notes

1. REVIEW AND COORDINATE WITH ALL DETAIL PAGES REFERENCED ON THIS PLAN. NOTIFY ARCHITECT AND OWNER OF DISCREPANCIES
2. **RELATED DRAWING SHEETS:** REFER TO THE FOLLOWING:  
 A-100: WALL BLOCKING PLAN AND NOTES  
 A-601: DOOR, WINDOW & FINISH SCHEDULES AND NOTES  
 A-701: FLOOR FINISH PLAN  
 AQ-101: EQUIPMENT AND FIXTURE INSTALLATION PLAN AND SCHEDULE  
 S-101: FOOTINGS AND FOUNDATIONS PLAN  
 S-102: FIRST FLOOR BEARING WALL AND SHEAR WALL FRAMING  
 P-101: COORDINATE WITH UNDER SLAB SANITARY WORK  
 P-102: COORDINATE WITH UNDER SLAB PLUMBING WORK
3. **WORKING POINT:** THE WORKING POINT (WP) INDICATED ON THE DRAWINGS IS RELATIVE TO THE FACE OF SHEATHING ON THE EXTERIOR WALL AND IS A COMMON POINT OF REFERENCE WHERE EVER USED IN THESE DRAWINGS
4. INDICATES WALL AND HEADER HEIGHTS
5. KNEE WALL ABOVE COOLER / FREEZER TO BE INSTALLED 2" BACK FROM FRONT FACE OF COOLER / FREEZER.
6. WINDOW FRAME ELEVATIONS - REFER TO PLAN SHEET A-601, DETAIL 1
7. DOOR TYPES - REFER TO PLAN SHEET A-601, DETAIL 2

### Framing Notes

1. **FRAMING INSTRUCTIONS:**  
 1.1 ALL PERIMETER FRAMED WALLS, 2x6 WD STUDS @ 16" OC, VERIFY HEIGHTS; INSULATED WITH 6"x16" WIDE FRICTION FIT INSULATION, EXCEPT AS DIRECTED BY KEYED NOTES.  
 1.2 FRONT WALL SAME AS ABOVE, EXCEPT 2x6 WD STUDS, SEE STRUCTURAL DRAWINGS FOR FRAMING ELEVATION AND DETAILS.  
 1.3 ALL INTERIOR FRAMED PARTITION WALLS, 2x4 WD STUDS @ 16" OC, VERIFY HEIGHTS; EXCEPT AS DIRECTED BY KEYED NOTES.  
 1.4 ALL FRAMING MATERIAL, CONSTRUCTION GRADE OR BETTER.  
 1.5 USE TREATED (WOLMANIZED) BOTTOM PLATE, WHEREVER MEETS CONCRETE, SEAL TO CONC FLOOR WITH CONSTRUCTION ADHESIVE.  
 1.6 ALL BACKING/BLOCKING 2x6, FLUSH W/ ROUGH FRAMING; HEIGHTS INDICATED ON PLANS (BK @ xx") ARE FROM FLOOR (AFF) CENTER OF BLOCKING.  
 1.7 EXTERIOR NON-COMBUSTIBLE WALL, 2x6, 18 GAGE STEEL STUDS, ENTIRE END WALL, USING STEEL TOP AND BOTTOM PLATES.
2. SEAL ALL CABINETS AND SALES COUNTER TO FLOOR.
3. DO NOT FRAME UP UTILITY ROOM WALLS UNTIL THE COMPRESSOR RACK HAS BEEN INSTALLED BY H.V.A.C.
4. H.V.A.C. EQUIPMENT INSTALLED BY CASEY'S PROVIDED INSTALLERS.
5. ALL EXTERIOR WALLS ARE SUPPLIED BY OWNER
6. ALL INTERIOR WALLS ARE TO BE SUPPLIED BY CONTRACTOR AND BUILT ON-SITE

### Wall Type Construction

- G PARTITION WALL (TYP UNO): 3 1/2" WOOD STUDS (NOMINAL 2x4) @ 16" OC WITH TREATED (WOLMANIZED) BOTTOM PLATE ANCHORED TO FLOOR, BRACE TOP TO STRUCTURE ABOVE PER FRAMING NOTES; FACE BOTH SIDES, REFER TO FINISH SCHEDULE (A-601) FOR FACE MATERIAL AND FINISH
- G1 PARTITION WALL: 5 1/2" WOOD STUDS (NOMINAL 2x6) @ 16" OC WITH TREATED (WOLMANIZED) BOTTOM PLATE ANCHORED TO FLOOR, BRACE TOP TO STRUCTURE ABOVE PER FRAMING NOTES; FACE BOTH SIDES, REFER TO FINISH SCHEDULE (A-601) FOR FACE MATERIAL AND FINISH
- G2 PARTITION WALL: 7 1/4" WOOD STUDS (NOMINAL 2x8) @ 16" OC WITH TREATED (WOLMANIZED) BOTTOM PLATE ANCHORED TO FLOOR, BRACE TOP TO STRUCTURE ABOVE PER FRAMING NOTES; FACE BOTH SIDES, REFER TO FINISH SCHEDULE (A-601) FOR FACE MATERIAL AND FINISH
- G1 FURRED WALL: 5 1/2" WOOD STUDS (NOMINAL 2x6) @ 16" OC WITH TREATED (WOLMANIZED) IN LOCATIONS INDICATED ON PLAN FOR PLUMBING LINES; FACE ONE SIDE, REFER TO FINISH SCHEDULE (A-601) FOR FACE MATERIAL AND FINISH
- G3 2"x6" WOOD FLOOR TYPE TRUSS: BEAM SUPPLIED BY STRUCTURAL COMPONENT SYSTEMS. CONTRACTOR TO SHEET SALES AREA SIDE WITH 3/4" PLYWOOD BEFORE FINISHING. RE: A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL. RE: A-401, DETAIL 4, INTERIOR ELEVATIONS
- G4 NON-BEARING BULKHEAD: 3 1/2" WOOD STUDS (NOMINAL 2x4) @ 16" O.C. BUILT ACROSS OPENINGS FOR GRAPHICS ATTACHMENT. FACE BOTH SIDES, REFER TO FINISH SCHEDULE (A-601) FOR FACE MATERIAL AND FINISH.
- G5 5-1/2" NON-COMBUSTIBLE METAL STUD WALL: FRAMED TO BOTTOM OF TRUSS REFER TO A-601, FINISH SCHEDULE FOR WALL FINISH MATERIAL

**CASEY'S**  
GENERAL STORE

## SCHEMMER

*Design with Purpose. Build with Confidence.*

PROJECT: CASEY'S GENERAL STORE EUDORA, KS 2019 "U3" - STYLE STORE (GABLE ROOF) PROJECT NUMBER: 07164.038 DRAWN BY: DJK	DATE: 06-25-20 REVISIONS:	DRAWING INFORMATION: <b>FLOOR PLAN</b> <hr/> <b>A-101</b>
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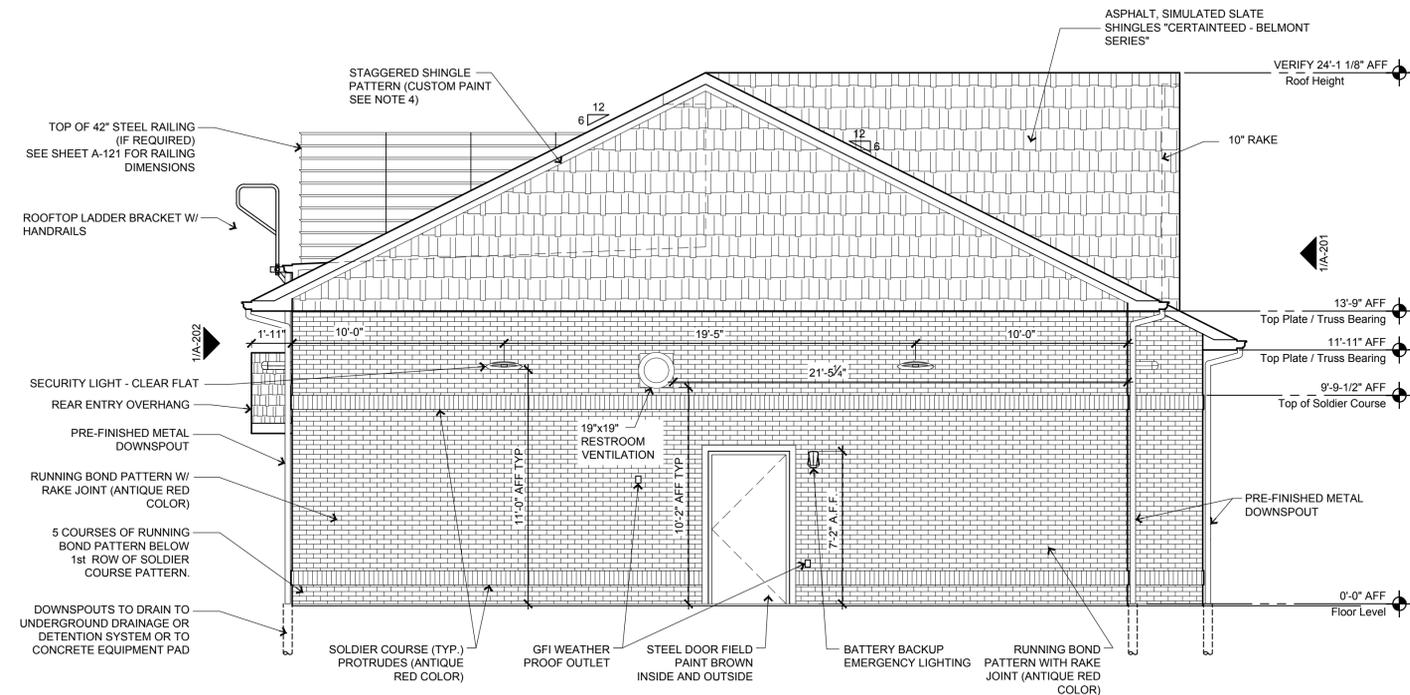
# General Notes

- REVIEW AND COORDINATE WITH ALL DETAIL PAGES REFERENCED ON THIS PLAN, NOTIFY ARCHITECT AND OWNER OF DISCREPANCIES
- RELATED DRAWING SHEETS:** REFER TO THE FOLLOWING:  
 AL-101: FOR BUILDING LOCATION ON SITE  
 AL-601: FOR INFORMATION RELATING TO SIGNAGE  
 A-101: PRIMARY FLOOR PLAN FOR CONSTRUCTION LAYOUT  
 A-121: ROOF PLAN/ROOF TOP EQUIPMENT LAYOUT  
 A-601: DOOR & WINDOW SCHEDULES AND NOTES  
 S-101: FOOTINGS AND FOUNDATIONS  
 S-102: ROOF TRUSSES
- WORKING POINT:** THE WORKING POINT (WP) INDICATED ON THE DRAWINGS IS RELATIVE TO THE FACE OF SHEATHING ON THE EXTERIOR WALL AND IS A COMMON POINT OF REFERENCE WHERE EVER USED IN THESE DRAWINGS
- HARDIE SIDING & TRIM PAINT FORMULA:** SHERWIN WILLIAMS / SATIN FINISH  
 COLOR: CUSTOM ARNING CIN ETT TAN  

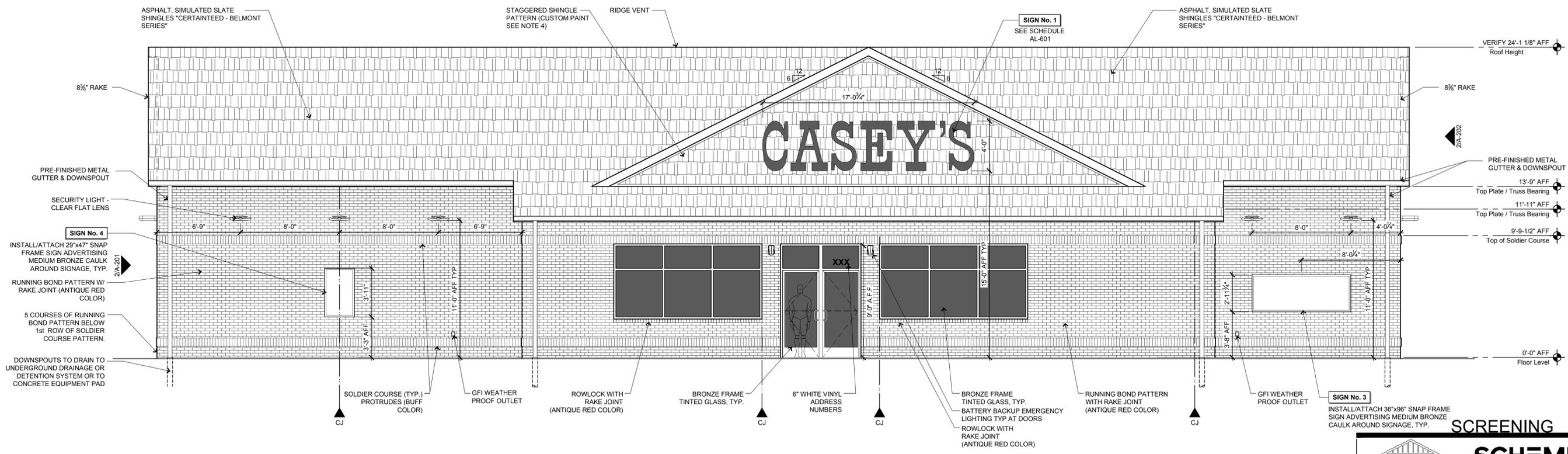
BAC	Blend-a-Color	OZ	32	64	128
B1	Black	-	-	1	-
N1	Raw Umber	-	23	1	1
Y3	Deep Gold	-	5	1	-

**HARDIE PLANK LAP SIDING (MECHANICAL PLATFORM):**  
 EXTERIOR SATIN LATEX SUPER PAINT  
 SHERWIN-WILLIAMS - SW 7020 - BLACK FOX  
**STAGGERED SHINGLE PAINT FORMULA:**  
 SHERWIN-WILLIAMS "CASEY'S RED CUSTOM SHER-COLOR MATCH" (MATCHES ALPOLIC BBR RED)  
 EXTERIOR SATIN LATEX - ARCHITECTURAL SUPER PAINT  
 1 GALLON MIX - A89T00154  
 ULTRADEEP - 640392379  

	OZ	32	64	128
W1-WHITE	-	21	1	-
R2-MAROON	-	41	-	1
R3-MAGENTA	4	20	1	-
R4-NEW RED	4	44	-	-
- ALL VENT PENETRATIONS ON BACK OF BACKSIDE OF ROOF.



Exterior Elevation - Left Side of Building (Plan West) **2**  
 1/4" = 1'-0"



Exterior Elevation - Front of Building (Plan South) **1**  
 1/4" = 1'-0"

**SCREENING**

**SCHEMMER**  
 Design with Purpose. Build with Confidence.

PROJECT: CASEY'S GENERAL STORE	DATE: 06-25-20	DRAWING INFORMATION: EXTERIOR ELEVATIONS
LOCATION: EUDORA, KS 2019 U3* - STYLE STORE (GABLE ROOF)	REVISIONS:	
PROJECT NUMBER: 07164.038	CHECKED BY:	
DRAWN BY:		<b>A-201</b>

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 7/24/2020 11:17:20 AM Michaela Morgan

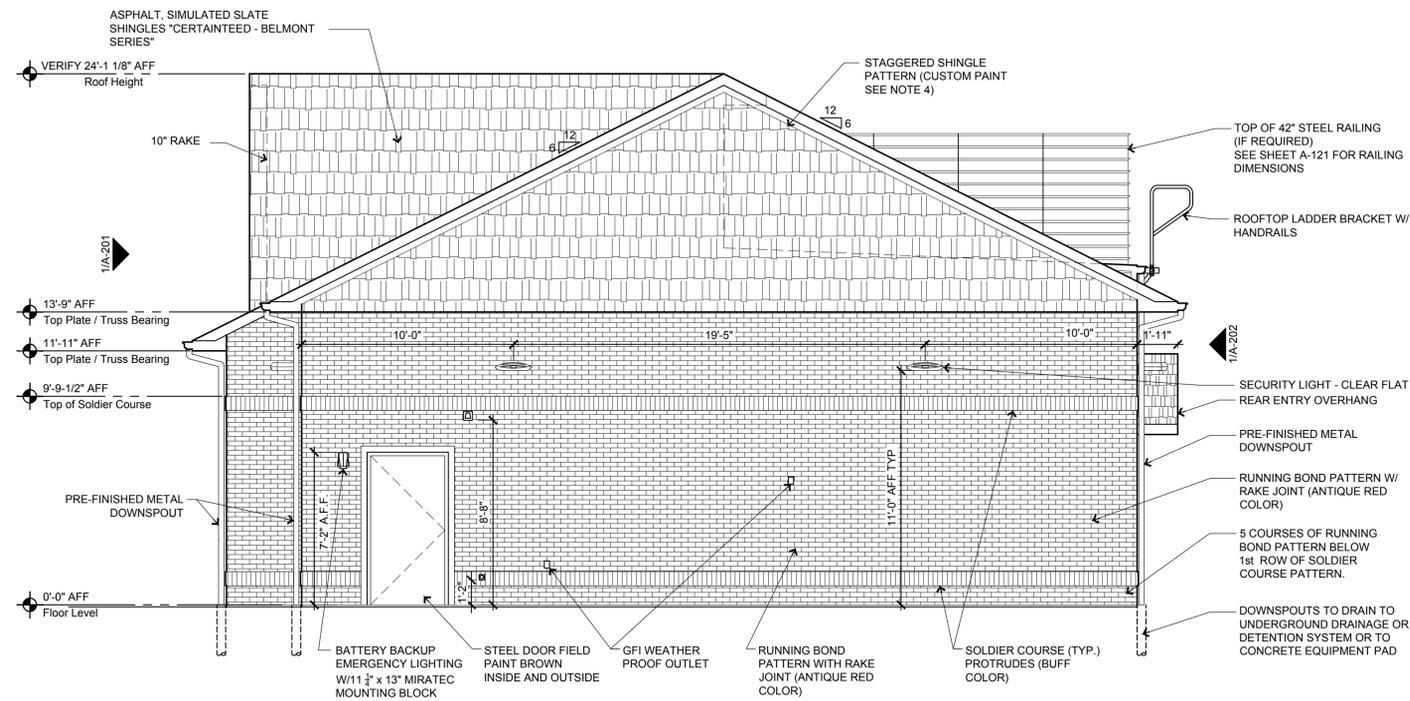
# General Notes

- REVIEW AND COORDINATE WITH ALL DETAIL PAGES REFERENCED ON THIS PLAN, NOTIFY ARCHITECT AND OWNER OF DISCREPANCIES
- RELATED DRAWING SHEETS:** REFER TO THE FOLLOWING:  
 AL-101: FOR BUILDING LOCATION ON SITE  
 AL-601: FOR INFORMATION RELATING TO SIGNAGE  
 A-101: PRIMARY FLOOR PLAN FOR CONSTRUCTION LAYOUT  
 A-121: ROOF PLAN/ROOF TOP EQUIPMENT LAYOUT  
 A-601: DOOR & WINDOW SCHEDULES AND NOTES  
 S-101: FOOTINGS AND FOUNDATIONS  
 S-102: ROOF TRUSSES
- WORKING POINT:** THE WORKING POINT (WP) INDICATED ON THE DRAWINGS IS RELATIVE TO THE FACE OF SHEATHING ON THE EXTERIOR WALL AND IS A COMMON POINT OF REFERENCE WHERE EVER USED IN THESE DRAWINGS
- HARDIE SIDING & TRIM PAINT FORMULA:** SHERWIN WILLIAMS / SATIN FINISH  
 COLOR: CUSTOM ARNING CIN ETT TAN  

BAC Blend-a-Color	OZ	32	64	128
B1 Black	-	-	-	-
N1 Raw Umber	-	23	1	1
Y3 Deep Gold	-	5	1	-

  
**HARDIE PLANK LAP SIDING (MECHANICAL PLATFORM):**  
 EXTERIOR SATIN LATEX SUPER PAINT  
 SHERWIN-WILLIAMS - SW 7020 - BLACK FOX  
  
**STAGGERED SHINGLE PAINT FORMULA:**  
 SHERWIN-WILLIAMS "CASEY'S RED CUSTOM SHER-COLOR MATCH" (MATCHES ALPOLIC BBR RED)  
 EXTERIOR SATIN LATEX - ARCHITECTURAL SUPER PAINT  
 1 GALLON MIX - A89T00154  
 ULTRADEEP - 640392379  

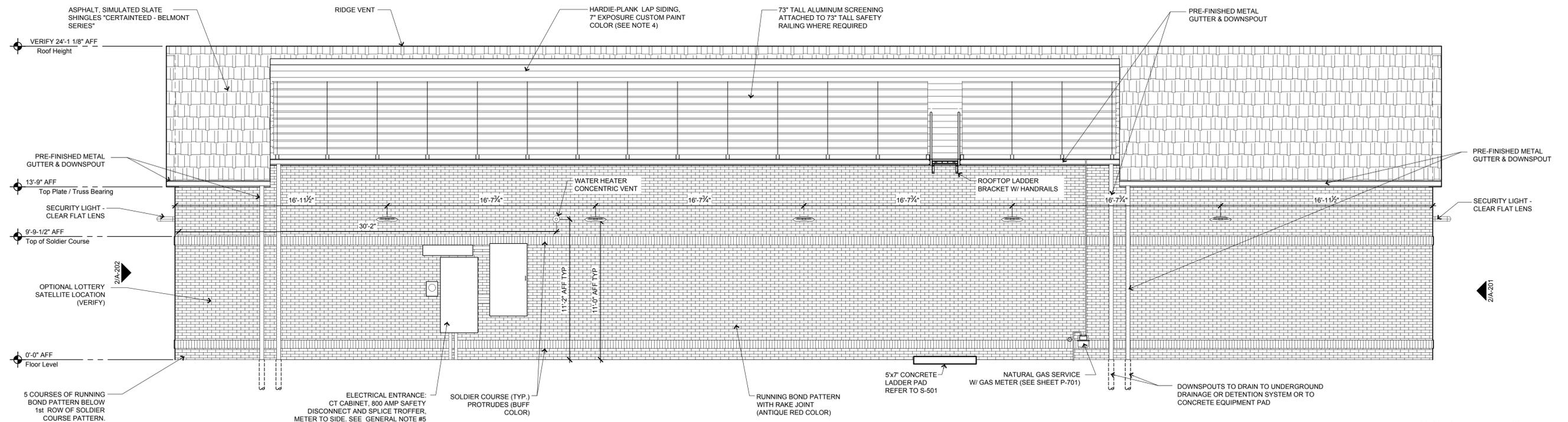
W1-WHITE	OZ	32	64	128
R2-MAROON	-	41	-	1
R3-MAGENTA	4	20	1	-
R4-NEW RED	4	44	-	-
- ALL VENT PENETRATIONS ON BACK OF BACKSIDE OF ROOF.



Exterior Elevation - Right Side of Building (Plan East)

2

1/4" = 1' - 0"



Exterior Elevation - Back of Building (Plan North)

1

1/4" = 1' - 0"

## SCREENING

PROJECT: CASEY'S GENERAL STORE EUDORA, KS 2019 "U3" - STYLE STORE (GABLE ROOF) PROJECT NUMBER: 07164.038	DATE: 06-25-20 REVISIONS:	DRAWING INFORMATION: EXTERIOR ELEVATIONS A-202	

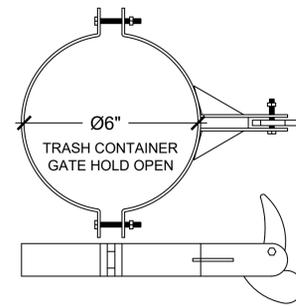
# General Notes

1. RELATED SHEETS: FOR ADDITIONAL INFORMATION NOT DIRECTLY REFERENCED, SEE THE FOLLOWING SHEETS:

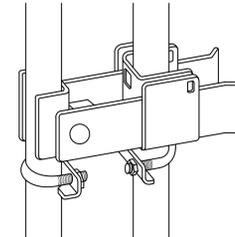
G-001 FOR GENERAL PROJECT NOTES  
AL101 FOR GENERAL SITE PLAN

# Construction Notes

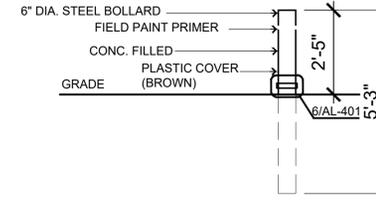
- 1) ALL DOMES ON FENCE POSTS ARE TO BE FASTENED SO THAT THEY CAN NOT BE REMOVED.
- 2) VERIFY SCREENING WITH LOCAL AUTHORITY.
- 3) CONTRACTOR TO PRIME ALL 6" BOLLARDS PRIOR TO FINISHED PAINT COAT.
- 4) DUMPSTER ENCLOSURE WALLS WILL BE 4" BLOCK PURCHASED BY CONTRACTOR



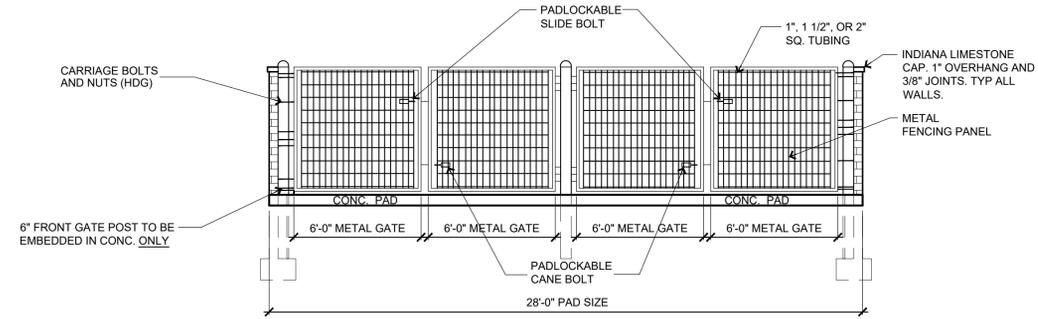
6 Gate Open Holder  
No Scale



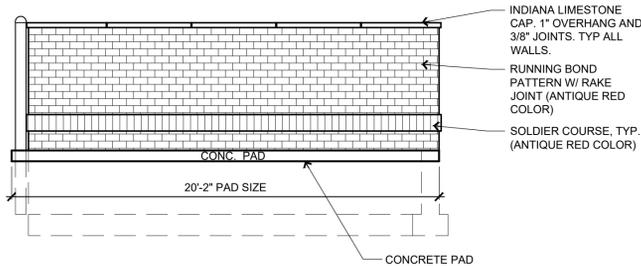
7 Commercial Double Gate Latch Detail  
No Scale



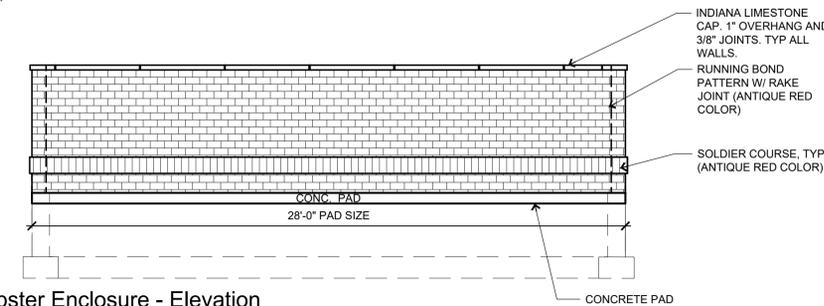
8 Bollard Detail  
No Scale



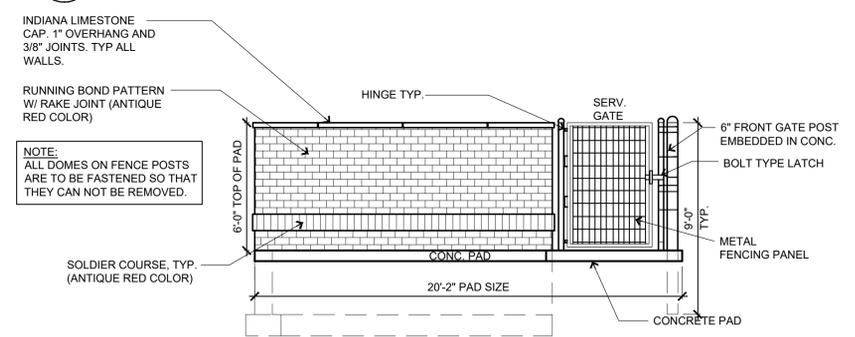
5 Dumpster Enclosure - Elevation  
1/4" = 1'-0"



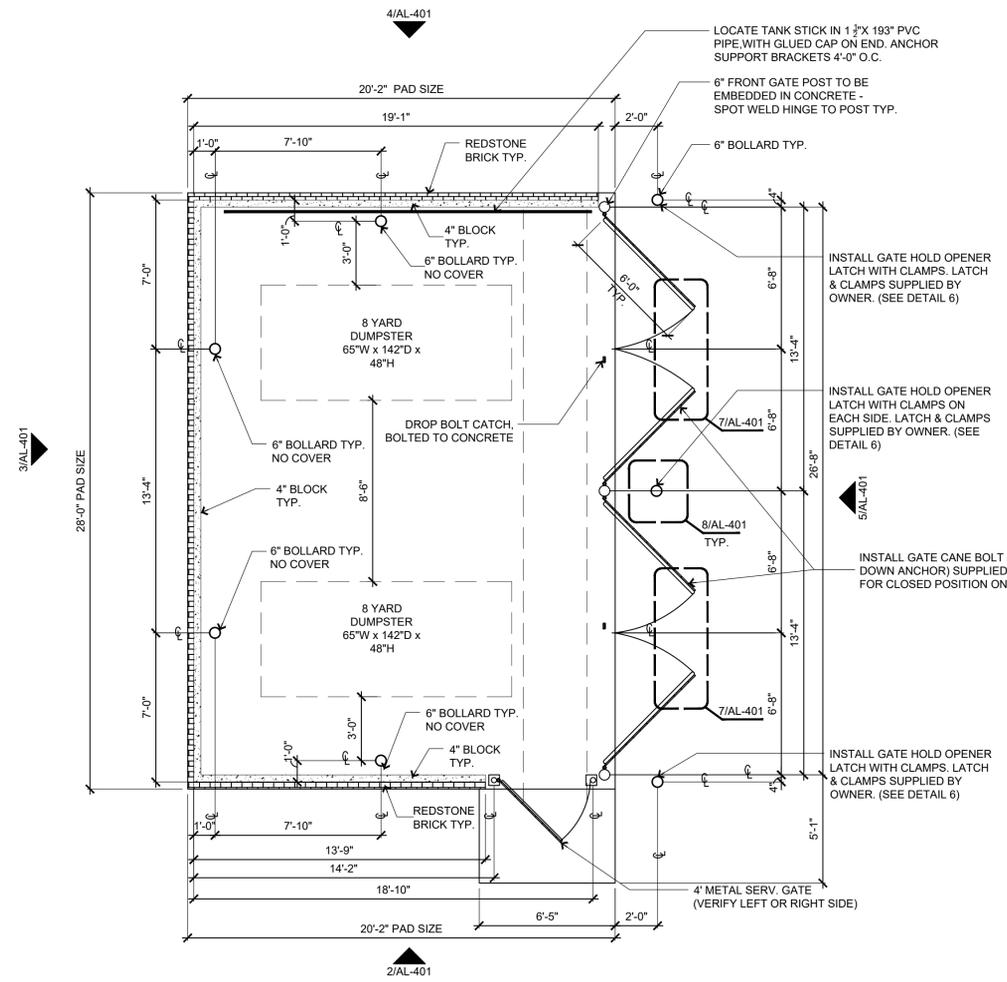
4 Dumpster Enclosure - Elevation  
1/4" = 1'-0"



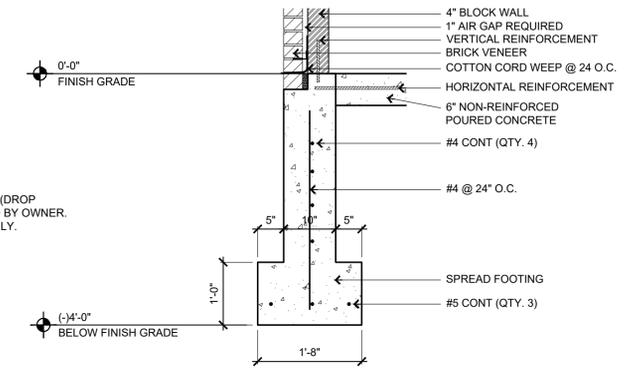
3 Dumpster Enclosure - Elevation  
1/4" = 1'-0"



2 Dumpster Enclosure - Elevation  
1/4" = 1'-0"



1 Dumpster Plan  
1/4" = 1'-0"

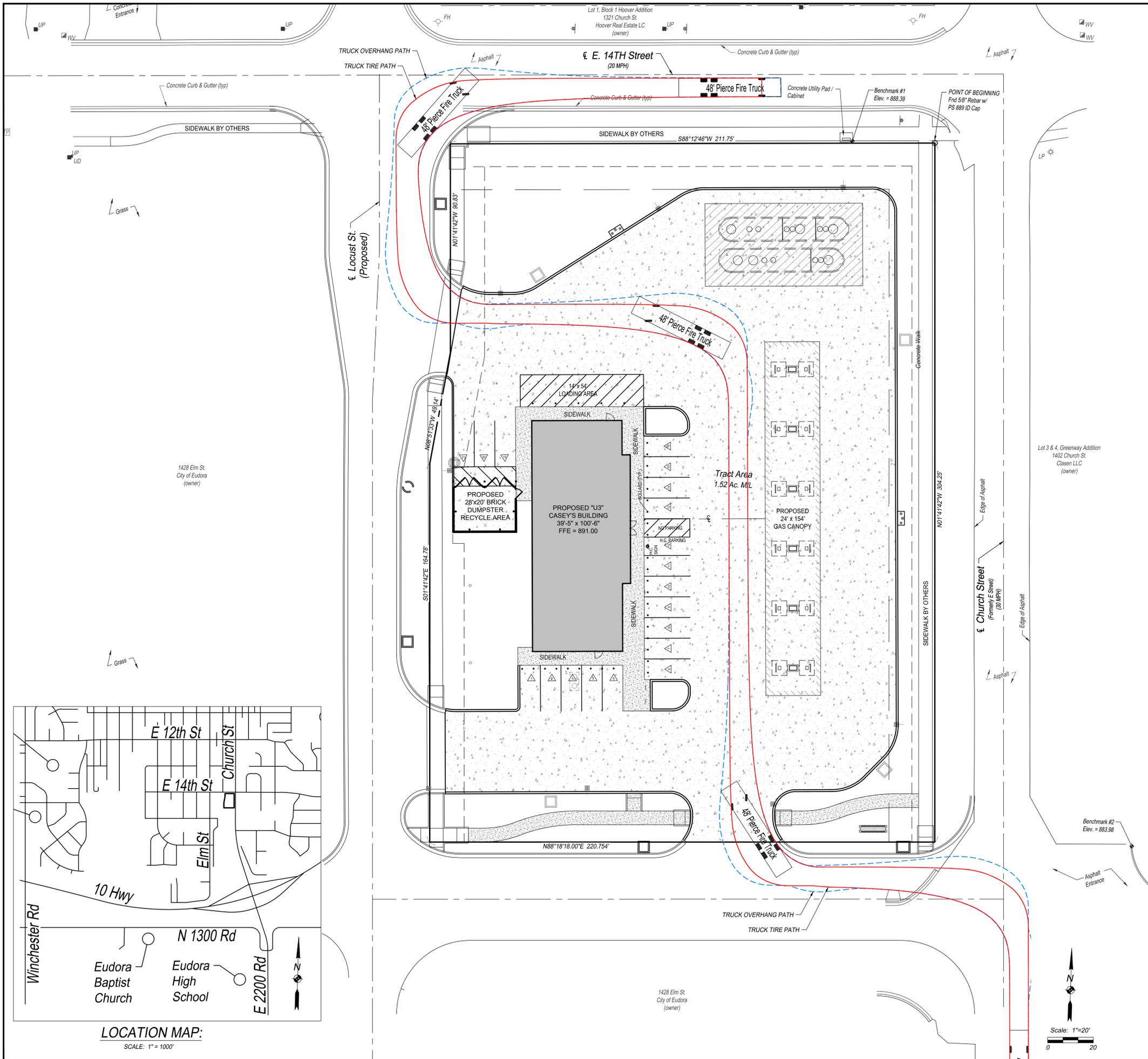


9 Spread Footing Detail  
No Scale

## Brick Enclosure w/Metal Gates

<p>PROJECT: CASEY'S GENERAL STORE</p> <p>LOCATION: EUDORA, KS 2019 'U3' - STYLE STORE (GABLE ROOF)</p> <p>PROJECT NUMBER: 07164.038</p>		<p>DATE: 01-09-2020</p> <p>REVISIONS:</p> <p>NO. DESCRIPTION</p>	
<p>DRAWN BY: [ ]</p> <p>CHECKED BY: [ ]</p>		<p>DUMPSTER ENCLOSURE</p> <p style="font-size: 24pt; font-weight: bold;">AL-401</p>	

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 6/25/2020 10:54:00 AM Kolkorn, Rebecca



**GENERAL NOTES:**

- ALL CONSTRUCTION METHODS AND MATERIALS USED IN THE CONSTRUCTION OF THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE IN ACCORDANCE WITH THE STANDARD TECHNICAL SPECIFICATIONS AND CURRENT REVISIONS ON FILE IN THE OFFICE OF THE CITY ENGINEER, CITY OF EUDORA, KANSAS.
- UTILITIES WERE FIELD LOCATED THROUGH KANSAS ONE CALL. THE LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES MAY VARY FROM WHAT IS INDICATED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY OWNER TO LOCATE AND FLAG ALL UNDERGROUND UTILITIES WHETHER INDICATED OR NOT. NO EXCAVATION WILL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITIES UNTIL ALL SUCH UTILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITY.
- ALL PERMITS AND FEES NECESSARY TO CONSTRUCT THE PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE SPECIFIED, ALL DISTURBED AREAS THAT ARE NON-HARDSCAPED SHALL BE EITHER LANDSCAPED OR SEEDED AND FERTILIZED.
- ALL PAVEMENT REMOVAL AREAS SHALL BE SAW CUT TO FORM A STRAIGHT AND UNIFORM LINE.

**SITE PLAN KEY NOTES:**

- (A) PLACE PAVEMENT MARKING, 4" PAINTED, YELLOW, 90° TO SIDEWALK (TYP.) OR CURB.
- (B) INSTALL HANDICAP SIGN IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (C) INSTALL BOLLARD (TYP.). REFER TO ARCHITECTURAL PLANS FOR DETAILS.
- (D) REFER TO DETAIL ON SHEET C-601 FOR PAVEMENT SECTION ADJACENT TO UNDERGROUND TANKS.
- (E) INSTALL 2 INVERTED "U" BICYCLE RACKS (4 TOTAL BIKE PARKING SPACES). INSTALL PER MANUFACTURER'S RECOMMENDATION.

**LEGEND:**

- 6" CONCRETE PAVEMENT
- 6" CONCRETE SIDEWALK
- 8" CONCRETE PAVEMENT. REFER TO DETAIL ON SHEET C-601 FOR PAVEMENT SECTION ADJACENT TO UNDERGROUND TANKS
- CURB (MONOLITHIC)

**LEGAL DESCRIPTION:**

SURVEYORS SUGGESTED LEGAL: A PART OF LOTS 1 THROUGH 7, INCLUSIVE AND LOTS 14 THROUGH 20, INCLUSIVE, BLOCK 188, A PART OF VACATED LOCUST STREET AND A PART OF THE VACATED ALLEY ADJACENT TO SAID LOTS, ALL IN THE CITY OF EUDORA, DOUGLAS COUNTY, KANSAS, ALL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS, BEGINNING AT THE NORTHEAST CORNER OF SAID LOT 20; THENCE S01°41'51"E, 310.00 FEET ALONG THE EAST LINE OF SAID LOTS 14 THROUGH 20; THENCE S88°18'09"W, 225.00 FEET; THENCE N01°41'51"W, 109.58 FEET; THENCE N08°51'33"E, 136.46 FEET; THENCE N01°41'51"W, 65.92 FEET TO A POINT ON THE NORTH LINE OF SAID LOT 1; THENCE N88°12'08"E, 200.00 FEET TO THE POINT OF BEGINNING, CONTAINING 1.52 ACRES MORE OR LESS.

**NOTES:**

- UTILITIES WERE FIELD LOCATED THROUGH KANSAS ONE CALL TICKET NO. 19472095, DATED OCTOBER 2, 2019 AND THROUGH OBSERVABLE FIELD EVIDENCE. WATER LINE MAP INFORMATION ALSO SHOWN BY INFORMATION PROVIDED BY THE CITY OF EUDORA.
- ACCORDING TO THE FLOOD INSURANCE RATE MAP "FIRM" COMMUNITY PANEL NUMBER 20045C0211D, EFFECTIVE DATE OF AUGUST 5, 2010, THIS PROPERTY IS IN FLOOD ZONE "X", AREA OF MINIMAL FLOOD HAZARD.

**BENCHMARKS:**

THE BASIS OF THE BEARING SYSTEM FOR THIS SURVEY IS ON ASSUMED DATUM.

VERTICAL CONTROL DATUM:

BENCHMARK 1, CHISELED SQUARE CUT AT THE SOUTHEAST EDGE OF CONCRETE UTILITY PAD / CABINET, LOCATED ON THE SOUTH SIDE OF E 14TH STREET 36.1' NORTHWEST OF THE NORTHEAST CORNER OF SUBJECT TRACT BOUNDARY. ELEVATION = 888.39, NAVD 88 DATUM

BENCHMARK 2, CHISELED SQUARE CUT ON TOP OF CONCRETE CURB, LOCATED ON THE EAST SIDE OF CHURCH STREET 88.1' NORTHEAST OF THE SOUTHEAST CORNER OF SUBJECT TRACT BOUNDARY. ELEVATION = 883.98, NAVD 88 DATUM.

BENCHMARK 3, CHISELED SQUARE CUT AT THE NORTHWEST EDGE OF CONCRETE FIELD INLET, LOCATED ON THE EAST SIDE OF CHURCH STREET 361.0' SOUTHEAST OF THE SOUTHEAST CORNER OF SUBJECT TRACT BOUNDARY. ELEVATION = 882.02, NAVD 88 DATUM.

**PROJECT DATA:**

TOTAL AREA OF LOT = 1.52 ACRES. ZONING = "RS" RESIDENTIAL SINGLE-FAMILY DISTRICT

STRUCTURE DATA: SINGLE-STORY BUILDING  
GROSS SQUARE FOOTAGE = 4,160 S.F.

**PROJECT CONTACT INFORMATION:**

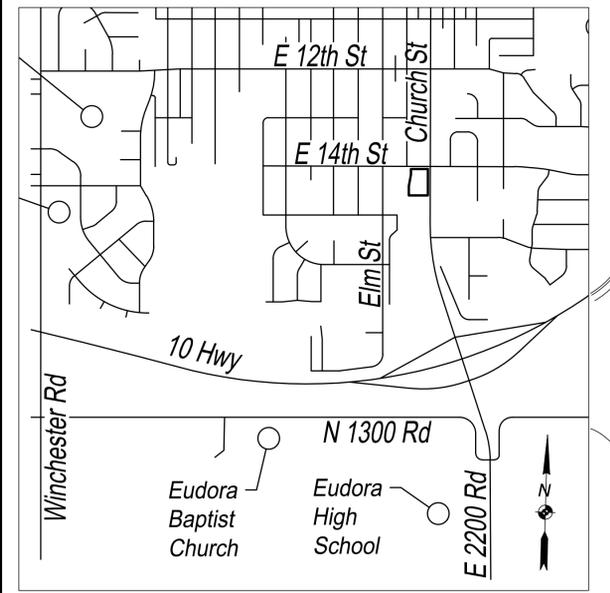
**OWNER:** CITY OF EUDORA  
CITY MANAGER  
CITY OF EUDORA, KS  
ATTN: BARACK MATTIE, bmattie@cityofeudora.org  
PHONE: 785-690-7224

**APPLICANT:** CASEY'S RETAIL COMPANY  
ONE SE CONVENIENCE BLVD  
ANKENY, IA 50021  
ATTN: JAMES VILMAIN, email: james.vilmain@caseys.com  
PHONE: 515-446-6402

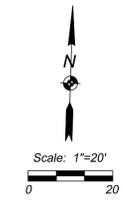
**ENGINEER:** SBB ENGINEERING, LLC  
101 SOUTH KANSAS AVENUE  
TOPEKA, KS 66603  
ATTN: JEFF LAUBACH, PE  
email: jeff.laubach@sbbeng.com  
PHONE: 785-215-8630

**LANDSCAPE ARCHITECT:** GARRETT OCHS, RLA  
533 LAKE FOREST  
BONNER SPRINGS, KS 66012  
email: garrettochs@gmail.com  
PHONE: 913-961-6578

**ARCHITECT:** SCHEMMER  
1044 NORTH 115TH STREET, SUITE 300  
OMAHA, NE 68154  
ATTN: DAN KERNS, AIA email: dkerns@schemmer.com  
PHONE: 402-493-4800



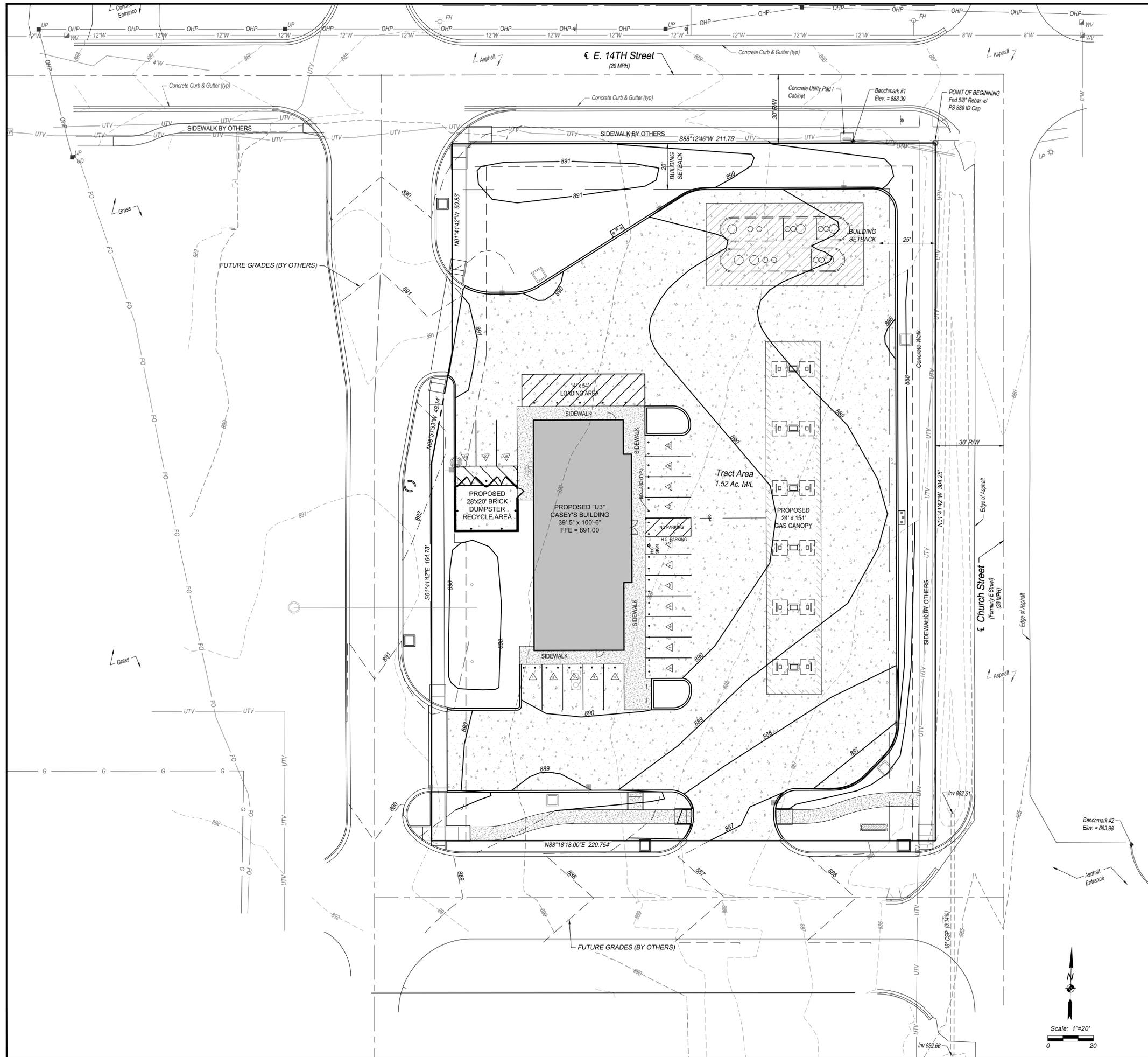
**LOCATION MAP:**  
SCALE: 1" = 1000'



SBB Proj. No. 19-222

<b>CASEY'S CONSTRUCTION DIVISION</b> One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	
PROJECT: EUDORA, KS "U3 STORE" WEST 14th St. & CHURCH St.	DRAWING INFORMATION: PUBLISHED: 07/06/20 REVISION: _____ DRAWING INFORMATION: CONSTRUCTION DIVISION DRAWN BY: JWJ CHECKED BY: JWJ
<b>FIRE TRUCK TURNING MOVEMENTS</b> <b>C-101A</b>	

**SBB ENGINEERING**  
 101 S. Kansas Ave.  
 Topeka, KS 66603  
 Ph: 785.215.8630



**SITE GRADING GENERAL NOTES:**

- CLEARING AND GRUBBING:** PRIOR TO BEGINNING PREPARATION OF SUBGRADE, ALL AREAS UNDER PAVEMENTS OR BUILDING SHALL BE STRIPPED OF ALL TOPSOIL, VEGETATION, LARGE ROCK FRAGMENTS (GREATER THAN 6 INCHES IN ANY DIMENSION) AND ANY OTHER DELETERIOUS MATERIAL. THE ACTUAL STRIPPING DEPTH SHOULD BE BASED ON VISUAL EXAMINATION DURING CONSTRUCTION AND THE RESULTS OF PROOF-ROLLING OPERATIONS. THE ROOT SYSTEMS OF ALL TREES (NOT DESIGNATED TO REMAIN) SHALL BE REMOVED IN THEIR ENTIRETY. STRIPPING MATERIALS SHALL NOT BE INCORPORATED INTO STRUCTURAL FILLS.
- SUBGRADE PREPARATION:** PRIOR TO PLACEMENT OF NEW FILL MATERIAL, THE EXISTING SUBGRADE SHALL BE PROOFROLLED AND APPROVED UNDER THE DIRECTION OF THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
- PROOFROLLING:** SUBSEQUENT TO COMPLETION OF STRIPPING AND OVER-EXCAVATION, ALL BUILDING AND PAVEMENT AREAS TO RECEIVE ENGINEERED FILL SHOULD BE SYSTEMATICALLY PROOF-ROLLED USING A TANDEM AXLE DUMP TRUCK LOADED TO APPROXIMATELY 20,000 POUNDS PER AXLE. ALSO, ANY FINISHED SUBGRADE AREAS TO RECEIVE PAVING SHALL BE PROOF-ROLLED WITHIN 48 HOURS OF PAVING. UNSUITABLE SOILS THAT ARE DETECTED AND THAN CAN NOT BE RE-COMPACTED SHOULD BE OVER-EXCAVATED AND REPLACED WITH CONTROLLED STRUCTURAL FILL.

**LEGEND:**

- 1225 — PROPOSED CONTOURS
- - - 1225 - - - EXISTING CONTOURS
- - - 1226 - - - EXISTING CONTOURS

**LIST OF ABBREVIATIONS:**

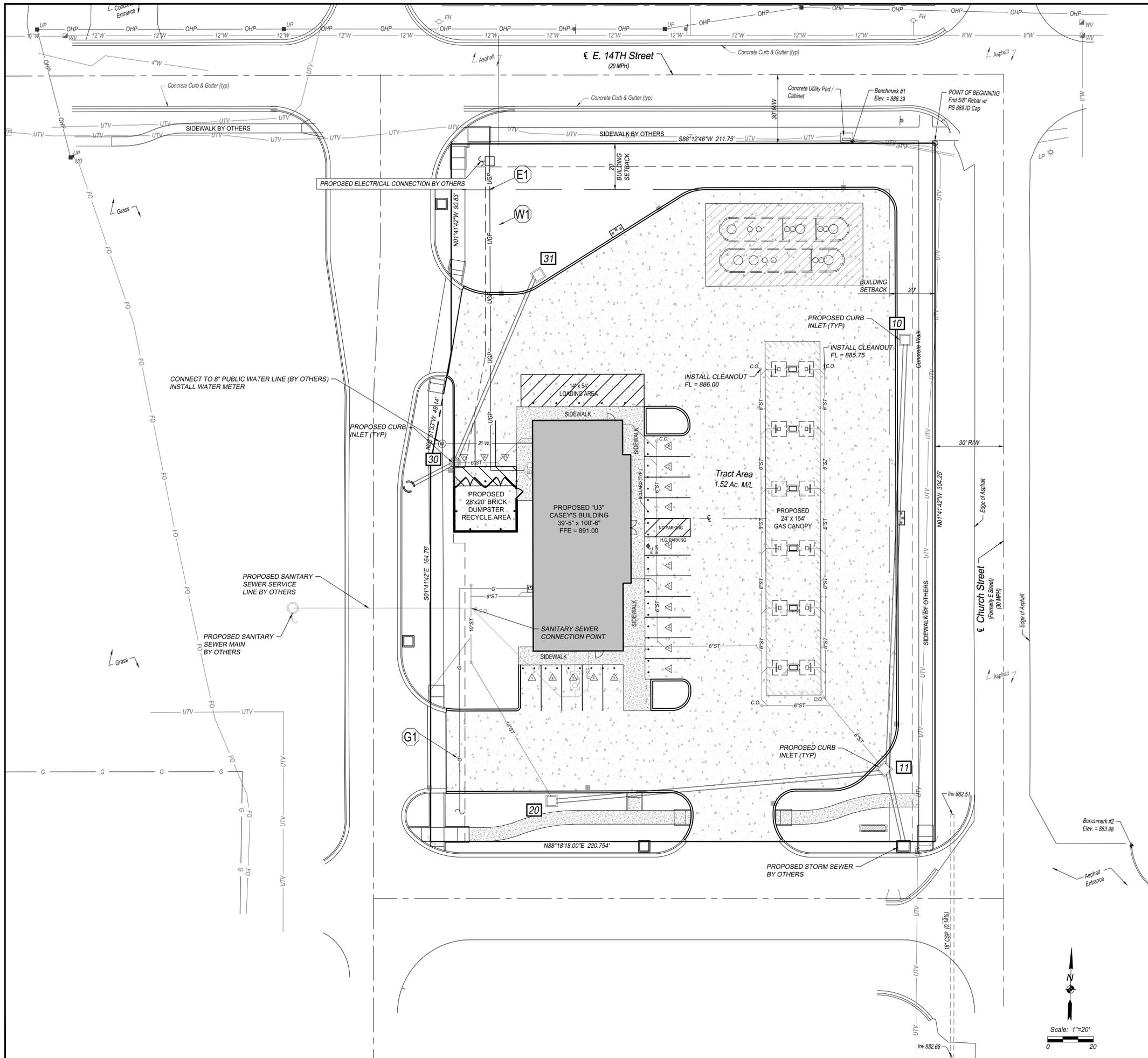
- EX - EXISTING
- FFE - FINISHED FLOOR ELEVATION
- TC - TOP OF CURB
- TG - TOP OF GROUND
- TI - TOP OF INLET
- TP - TOP OF PAVEMENT
- TPE - TOP OF EXISTING PAVEMENT
- TS - TOP OF SIDEWALK
- BW - BASE OF WALL
- TW - TOP OF WALL
- TM - TOP OF MANHOLE
- TF - TOP OF FOOTING



SBB Proj. No. 19-222

<b>CASEY'S</b> General Store	
<b>CASEY'S CONSTRUCTION DIVISION</b> One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	
PROJECT: <b>EUDORA, KS          "U3 STORE"</b> <b>WEST 14th St. &amp; CHURCH ST.</b>	DRAWING INFORMATION: RELEASED: 07/06/20 REVISIONS: CONSTRUCTION DIVISION DRAWN BY: JWL CHECKED BY: JWL
<b>GRADING PLAN</b> <span style="font-size: 2em; font-weight: bold;">C-201</span>	

**SBB ENGINEERING**  
 101 S. Kansas Ave.  
 Topeka, KS 66603  
 Ph: 785.215.8630



**SITE UTILITY KEY NOTES:**

- (D1)** TYPICAL STORM WATER DRAIN LINE FROM ROOF OR LANDSCAPE DRAIN. SEE BUILDING PLANS CONNECTION LOCATIONS. DRAIN LINES SHALL BE PVC SDR 35 OR HDPE N-12. MINIMUM SLOPE SHALL BE 1.0%.
- (E1)** PLACE ELECTRICAL AND TELEPHONE ENTRY INTO BUILDING. BUILDING ELECTRIC PLAN FOR SECONDARY CONDUIT ROUTING INSIDE BUILDING TO ELECTRIC METERS.  
ELECTRIC: 3 PHASE, 800 or 1200 AMP., 120/208 VOLTS, 4 WIRE.  
TELEPHONE: 20 PAIR, 8 LINES.
- (G1)** INSTALL GAS LINE TO BUILDING ENTRY WITH 1 GAS METER. SIZE OF GAS MAIN SHALL BE AS DETERMINED BY UTILITY OR AS SHOWN ON BUILDING PLANS. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH GAS COMPANY REGARDING THE SIZE AND INSTALLATION OF GAS SERVICE LINE AND METER.
- (S1)** 6" SANITARY SEWER SERVICE LINE PIPE TO BE PVC SCHEDULE 40 AND MAINTAIN A MINIMUM SLOPE OF 1.0%.
- (W1)** CONNECT TO EXISTING 6" WATERLINE. INSTALL 1 1/2" METER SETTING AND METER PIT. INSTALL 2" DOMESTIC WATER LINE TO BUILDING.

**LEGEND:**

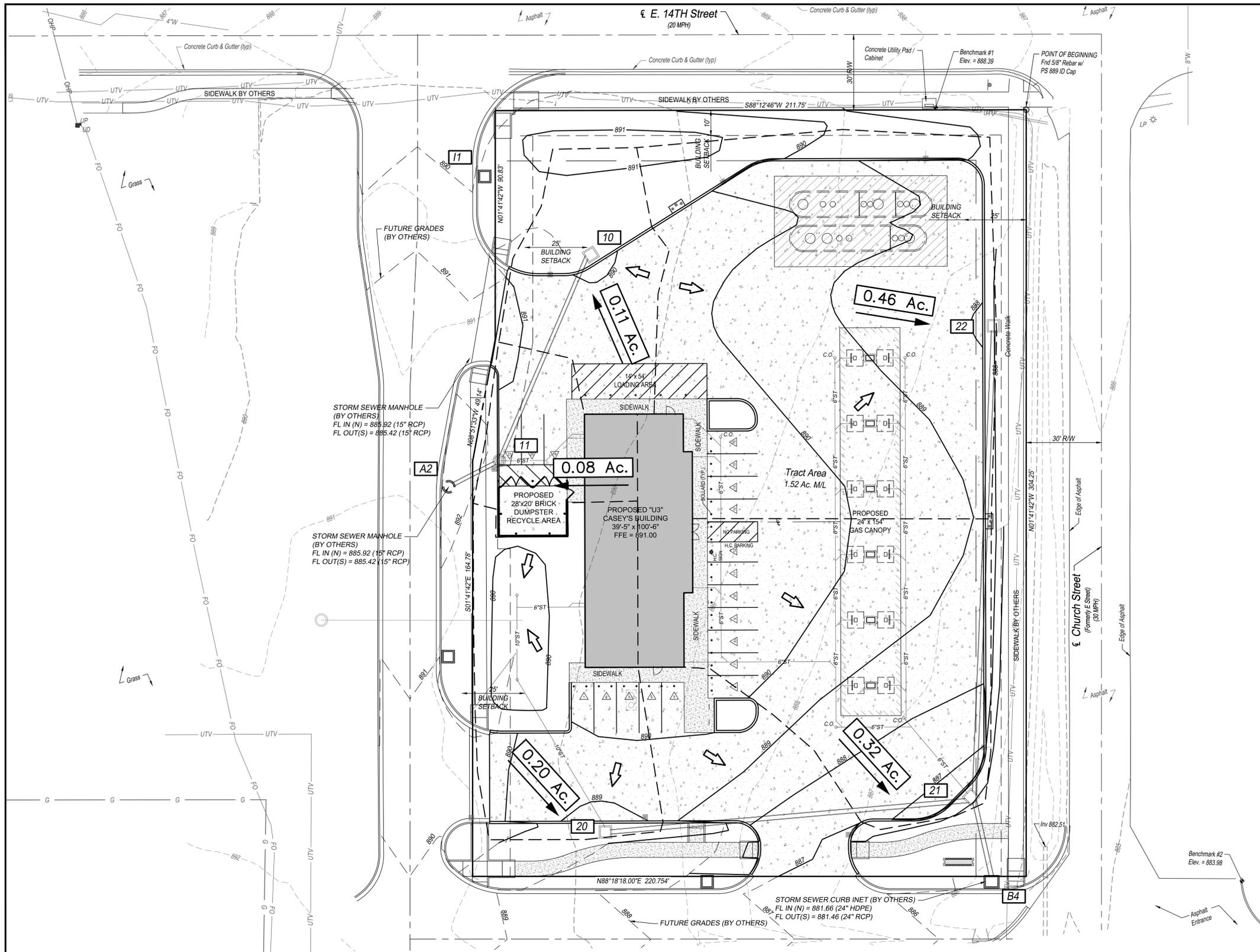
	EXISTING STORM SEWER
	EXISTING SANITARY SEWER
	EXISTING WATERLINE
	EXISTING OVERHEAD POWER
	EXISTING UNDERGROUND POWER
	EXISTING UNDERGROUND TELEVISION
	EXISTING GASLINE
	PROPOSED WATERLINE
	PROPOSED GASLINE
	PROPOSED SANITARY SEWER
	PROPOSED UNDERGROUND POWER
	PROPOSED STORM SEWER

SBB Proj. No. 19-222

<b>CASEY'S CONSTRUCTION DIVISION</b> One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	
PROJECT: EUDORA, KS "U3 STORE" WEST 14th St. & CHURCH St.	DRAWING INFORMATION: UTILITY PLAN <b>C-301</b>
DRAWING INFORMATION: CONSTRUCTION DIVISION DRAWN BY: JWJ CHECKED BY: JWJ	PUBLISHED: 07/06/20 REVISIONS:

**SBB ENGINEERING**  
 101 S. Kansas Ave.  
 Topeka, KS 66603  
 Ph: 785.215.8630



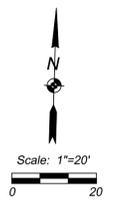


**LEGEND:**

- FLOW PATH DIRECTION (TYP.)
- - - DRAINAGE AREA BOUNDARY
- 34.40 Ac. DENOTES DRAINAGE AREA
- X DENOTES STRUCTURE NUMBER/LOCATION ID
- ↪ DENOTES 100-YR OVERFLOW PATH

**PROPOSED RUNOFF CALCULATIONS**

STR	RUNOFF					SYSTEM TIME OF CONCENTRATION "Tc" AT STRUCTURE (MIN)	RAINFALL INTENSITY "I <sub>30</sub> /I <sub>100</sub> "	ANTECEDENT PRECIPITATION FACTOR	RUNOFF "Q <sub>25</sub> /Q <sub>100</sub> "	PIPE DESIGN (Concrete n=0.013 & HDPE n=0.011)											
	INCREMENTAL RUNOFF COEFFICIENT "C"	AREA "A" (ACRES)	C X A	CUMULATIVE AREA "A" (ACRES)	C X A					UPSTREAM STRUCTURE NUMBER	DOWNSTREAM STRUCTURE NUMBER	DIAMETER "D" (IN)	LENGTH "L" (FT)	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	SLOPE "S" (FT/FT)	TRAVEL TIME IN PIPE "T" (MIN)	VELOCITY FULL V <sub>F</sub> (FPS)	RUNOFF "Q <sub>25</sub> /Q <sub>100</sub> "	FULL FLOW Q (CFS)	Notes
10	0.81	0.11	0.09	0.11	0.09	5.0	7.35 10.32	1.10 1.25	0.7 1.1	10	11	15	88	886.66	886.22	0.0050	0.4	3.8	0.7 1.1	4.6	
11	0.81	0.08	0.06	0.19	0.15	5.0	7.35 10.32	1.10 1.25	1.2 2.0	11	A2	15	20	886.02	885.92	0.0050	0.1	3.8	1.2 2.0	4.6	
20	0.81	0.20	0.16	0.20	0.16	5.0	7.35 10.32	1.10 1.25	1.3 2.1	20	21	15	144	884.00	882.40	0.0111	0.4	5.6	1.3 2.1	6.8	
21	0.81	0.32	0.26	0.98	0.79	5.0	7.35 10.32	1.10 1.25	6.4 10.2	21	B4	24	32	881.90	881.66	0.0075	0.1	6.3	6.4 10.2	19.6	
22	0.81	0.46	0.37	0.46	0.37	5.0	7.35 10.32	1.10 1.25	3.0 4.8	22	21	15	186	883.40	882.40	0.0054	0.8	3.9	3.0 4.8	4.7	



**SBB ENGINEERING**  
 101 S. Kansas Ave.  
 Topeka, KS 66603  
 Ph: 785.215.8630

SBB Proj. No. 19-222

**CASEY'S General Store**

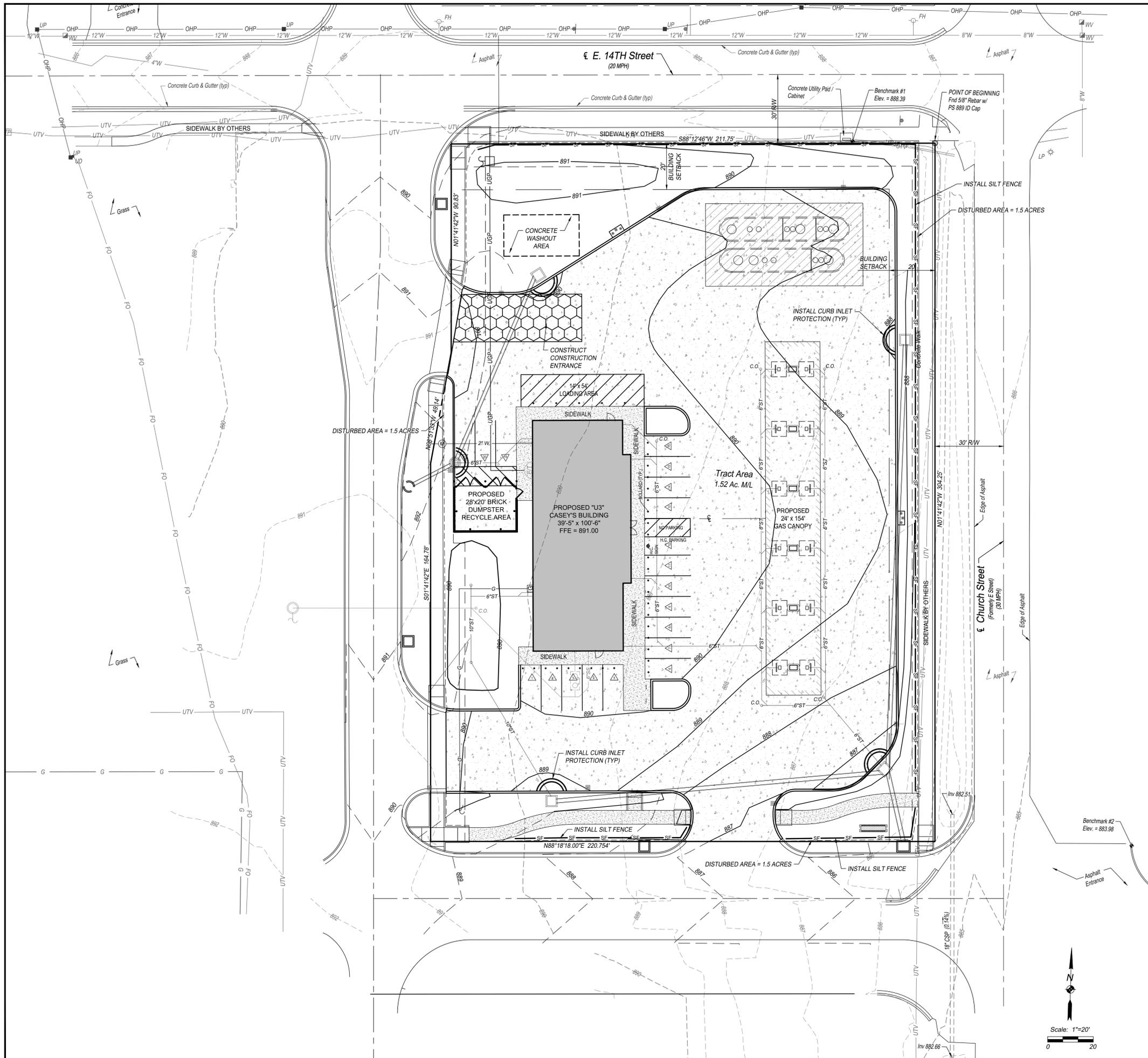
CASEY'S CONSTRUCTION DIVISION  
 One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100

PROJECT: EUDORA, KS "U3 STORE"  
 WEST 14th St. & CHURCH St.

DATE: 07/06/20  
 REVISION: \_\_\_\_\_

CONSTRUCTION DIVISION  
 DRAWN BY: JWJL  
 CHECKED BY: JWJL

**DRAINAGE PLAN**  
**C-302**



**EROSION CONTROL GENERAL NOTES:**

1. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT EROSION ON THE PROJECT AND POLLUTION OF ANY DRAINAGE COURSE, AND SHALL MEET THE REQUIREMENTS OF THE STATE OF KANSAS STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES GENERAL PERMIT NO. 5-MCST-1703-1.
2. PRIOR TO COMMENCEMENT OF EARTHWORK OPERATIONS, CONTRACTOR SHALL INSTALL PERIMETER WATTLES AND CONSTRUCTION ENTRANCE AS SHOWN ON THE PLAN. THE INLET PROTECTION AND ADDITIONAL WATTLES WITHIN WORK AREA SHALL BE INSTALLED IMMEDIATELY AFTER INSTALLATION OF THE INLETS AND COMPLETION OF ROUGH GRADING.
3. EROSION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR NOT LESS THAN WEEKLY OR WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR MORE. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO SEDIMENT REMOVAL AND SILT FENCE REPAIR AND/OR REPLACEMENT. FIELD ADJUSTMENTS MAY BE MADE AS NECESSARY TO ENSURE OPTIMAL PERFORMANCE.
4. CONTRACTOR SHALL CLEAR ALL SURROUNDING PARKING LOTS AND STREETS OF ANY TRACKED DEBRIS BY SWEEPING OR SCRAPING THE EXISTING PAVEMENT BY THE END OF EACH WORKDAY AND THE CONTRACTOR SHALL CLEAN UP SOIL WASHED OFF THE CONSTRUCTION SITE AFTER A STORM BY THE END OF THE NEXT WORKDAY.
5. DURING ALL SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL TAKE APPROPRIATE STEPS USING ACCEPTED CONSTRUCTION METHODS TO MINIMIZE THE TIME OF EXPOSURE OF UNPROTECTED SOIL AND OTHER CONSTRUCTION MATERIALS TO RAINFALL.
6. CONTRACTOR SHALL KEEP A WRITTEN LOG OF WHEN CONSTRUCTION ACTIVITIES BEGIN, EROSION AND SEDIMENT CONTROLS ARE INSTALLED, INSPECTED AND REPAIRED.
7. EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL GRASS COVER HAS BEEN ESTABLISHED OR AS DIRECTED BY ENGINEER.
8. ALL AREAS SHALL BE GRADED TO FINISHED GRADE PRIOR TO SEEDING AND MULCHING. ALL AREAS NOT PART OF THE HARDSCAPE OR OTHER NOTED LANDSCAPING SHALL BE PERMANENTLY SEEDED, FERTILIZED AND MULCHED.
9. ALL WATTLES SHALL BE STRAW WATTLE WS-12 AS MANUFACTURED BY NORTH AMERICAN GREEN, OR APPROVED EQUAL. THE WATTLES SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR MAY USE WATTLES AND SILT FENCE INTERCHANGEABLY IN AREAS IDENTIFIED ON THE DRAWINGS.
10. THE CONTRACTOR HAS THE OPTION TO MODIFY THE LOCATION OF THE CONSTRUCTION ENTRANCE TO FIT THE PREFERRED WORK PATTERN.
11. REQUIREMENTS FOR EROSION & SEDIMENT CONTROL SHALL BE FOLLOWED AS OUTLINED IN CHAPTER IX ARTICLE 9 OF THE CITY OF LAWRENCE CITY CODE.

**WASTE DISPOSAL:**

1. WASTE MATERIALS: ANY WASTE AND OTHER UNUSABLE MATERIALS WILL BE REMOVED FROM THE SITE ON A REGULAR BASIS AND PROPERLY DISPOSED OF IN AN APPROVED SITE.
2. CHEMICAL WASTE: ALL CHEMICAL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A TIGHTLY SEALED METAL OR OTHER CHEMICAL RESISTANT CONTAINER. THE CONTAINER WILL MEET ALL LOCAL AND ANY STATE SOLID WASTE MANAGEMENT REGULATIONS. THE WASTE MATERIALS AND ALL DISPOSABLE MATERIALS WILL BE TRANSPORTED TO A COMMERCIAL CHEMICAL DISPOSAL FACILITY CAPABLE OF EITHER RECYCLING OR PROPERLY DISPOSING OF THE POLLUTANTS IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. THE STATE WASTE MANAGEMENT SECTION CONTACT NUMBER IS (785) 296-1600.
3. HAZARDOUS WASTE: ALL HAZARDOUS WASTE MATERIALS, SUCH AS OIL FILTERS, PETROLEUM PRODUCTS, EQUIPMENT MAINTENANCE FLUIDS AND PAINTS, SHALL NOT BE STORED ON SITE AND WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND/OR FEDERAL REGULATIONS. IF THERE ARE QUESTIONS REGARDING THE PROPER HANDLING OF HAZARDOUS WASTES THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT HAZARDOUS WASTE SECTION AT (785) 296-1600.
4. SANITARY WASTE: PORTABLE TOILET FACILITIES WILL BE PROVIDED ON THE PROJECT SITE AND SERVICED BY THE PROVIDER ON A REGULAR BASIS.

**MATERIAL MANAGEMENT PRACTICES:**

GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ON-SITE DURING CONSTRUCTION.

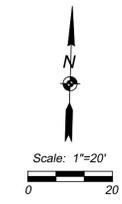
1. ALL MATERIALS STORED ON-SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN ORIGINAL CONTAINERS IF APPROPRIATE.
2. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABELS.
3. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

**SPILL PREVENTION:**

1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
2. FERTILIZERS: FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. FERTILIZER SHALL NOT BE STORED ON-SITE.
3. CONCRETE TRUCKS: CONCRETE TRUCKS ARE LIMITED TO A DESIGNATED AREA TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE. PROPER SIGNAGE SHALL BE INSTALLED AND MAINTAINED ON SITE DEFINING DIRECTIONS TO AND LOCATIONS OF THE SPECIFIED WASH OUT AREA. IF A WASH OUT AREA CANNOT BE DESIGNATED OR MAINTAINED ON SITE, CONCRETE WASH OUT AND DISPOSAL MAY BE PROHIBITED AT THE OWNERS DISCRETION.

**LEGEND:**

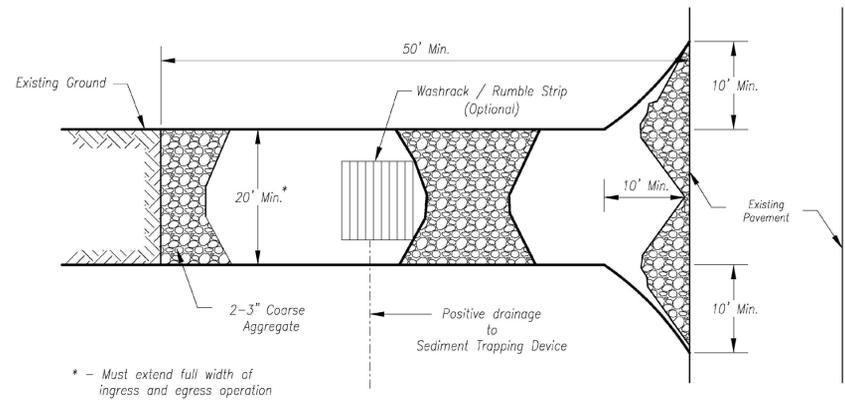
-  SILT FENCE
-  CURB INLET PROTECTION
-  DISTURBED AREA = 1.5 ACRES
-  CONSTRUCTION ENTRANCE
-  EXISTING CONTOURS
-  PROPOSED CONTOURS



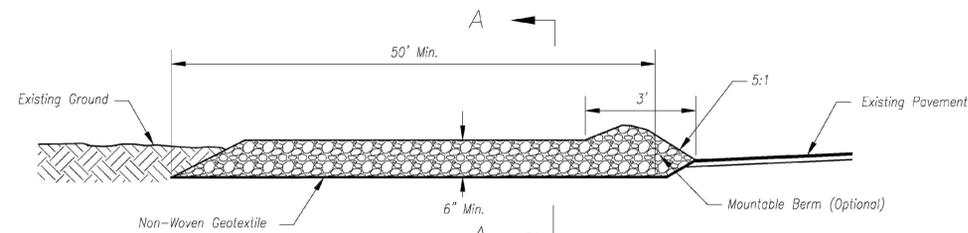
SBB Proj. No. 19-222



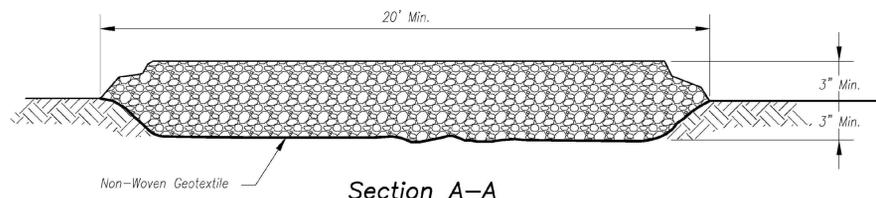
 <p><b>CASEY'S CONSTRUCTION DIVISION</b> One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100</p>	
<p>PROJECT: EUDORA, KS "U3 STORE"</p> <p>LOCATION: WEST 14th St. &amp; CHURCH ST.</p> <p>DRAWING INFORMATION: DRAWN BY: JWL CHECKED BY: JWL</p>	<p>DATE: 07/06/20</p> <p>REVISIONS:</p> <p>EROSION CONTROL PLAN</p> <p style="font-size: 24pt; font-weight: bold;">C-401</p>



**Plan View**  
Not to Scale



**Side Elevation**  
Not to Scale



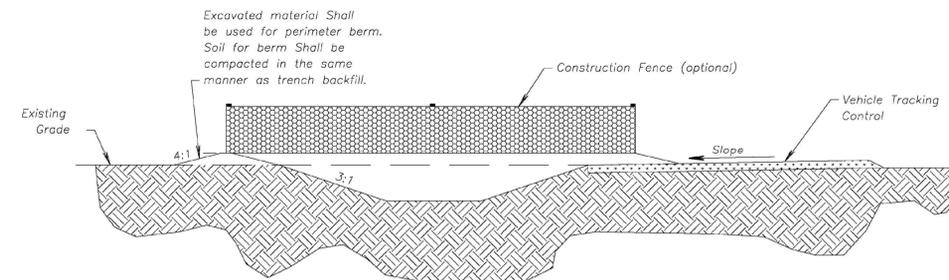
**Section A-A**  
Not to Scale

Notes for Concrete Washout:

1. Concrete washout areas shall be installed prior to any concrete placement on site.
2. Concrete washout area shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slopes leading out of the subsurface pit shall be 3:1. The vehicle tracking pad shall be sloped towards the concrete washout area.
3. Vehicle tracking control is required at the access point to all concrete washout areas.
4. Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
5. A one-piece impervious liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for wasted concrete.
3. Concrete washout water, wasted pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
4. Concrete washout areas shall remain in place until all concrete for the project is placed.
5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topsoil, any disturbed areas associated with the installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



**CONCRETE WASHOUT**

Notes for Construction Entrance:

1. Avoid locating on steep slopes, at curves on public roads, or downhill of disturbed area.
2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
3. If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3H:1V side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff from it.
4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
5. Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
6. Divert all surface runoff and drainage from the entrance to a sediment control device.
7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrance:

1. Reshape entrance as needed to maintain function and integrity of installation. Top dress with clean aggregate as needed.

**CONSTRUCTION ENTRANCE**

**AMERICAN PUBLIC WORKS ASSOCIATION**



KANSAS CITY  
METRO CHAPTER

CONSTRUCTION ENTRANCE  
AND CONCRETE WASHOUT

STANDARD DRAWING  
NUMBER ESC-01  
ADOPTED:  
10/24/2016

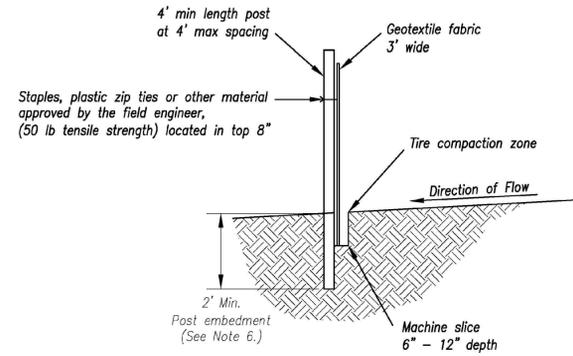
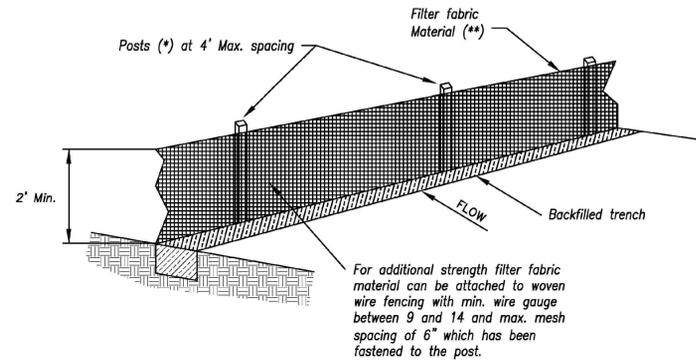
Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control; Concrete Washout modified from 2009 City of Great Bend Standard Drawings.

SBB Proj. No. 19-222



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<p>CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100</p>	
<p>PROJECT: EUDORA, KS "U3 STORE"</p>	<p>RELEASED: 07/06/20</p>
<p>DRAWING INFORMATION: CONSTRUCTION DIVISION</p>	<p>EROSION CONTROL DETAILS</p>
<p>DRAWN BY: JWL</p>	<p>CHECKED BY: JWL</p>
<p><b>C-402</b></p>	



- (\*) POSTS**
- MIN. LENGTH 4'
  - HARDWOOD 1 3/16" x 1 3/16"
  - NO.2 SOUTHERN PINE 2 5/8" x 2 5/8"
  - STEEL 1.33 LB/FT

**(\*\*)** - Geotextile Fabric shall meet the requirements of AASHTO M288

**SILT FENCE DETAILS**  
Not to Scale

**Notes:**

1. In order to contain water, the ends of the silt fence must be turned uphill (Figure A).
2. Long perimeter runs of silt fence must be limited to 100'. Runs should be broken up into several smaller segments to minimize water concentrations (Figure A).
3. Long slopes should be broken up with intermediate rows of silt fence to slow runoff velocities.
4. Attach fabric to upstream side of post.
5. Install posts a minimum of 2' into the ground.
6. Trenching will only be allowed for small or difficult installation, where slicing machine cannot be reasonably used.

**Maintenance:**

1. Remove and dispose of sediment deposits when the deposit approaches 1/2 the height of silt fence.
2. Repair as necessary to maintain function and structure.

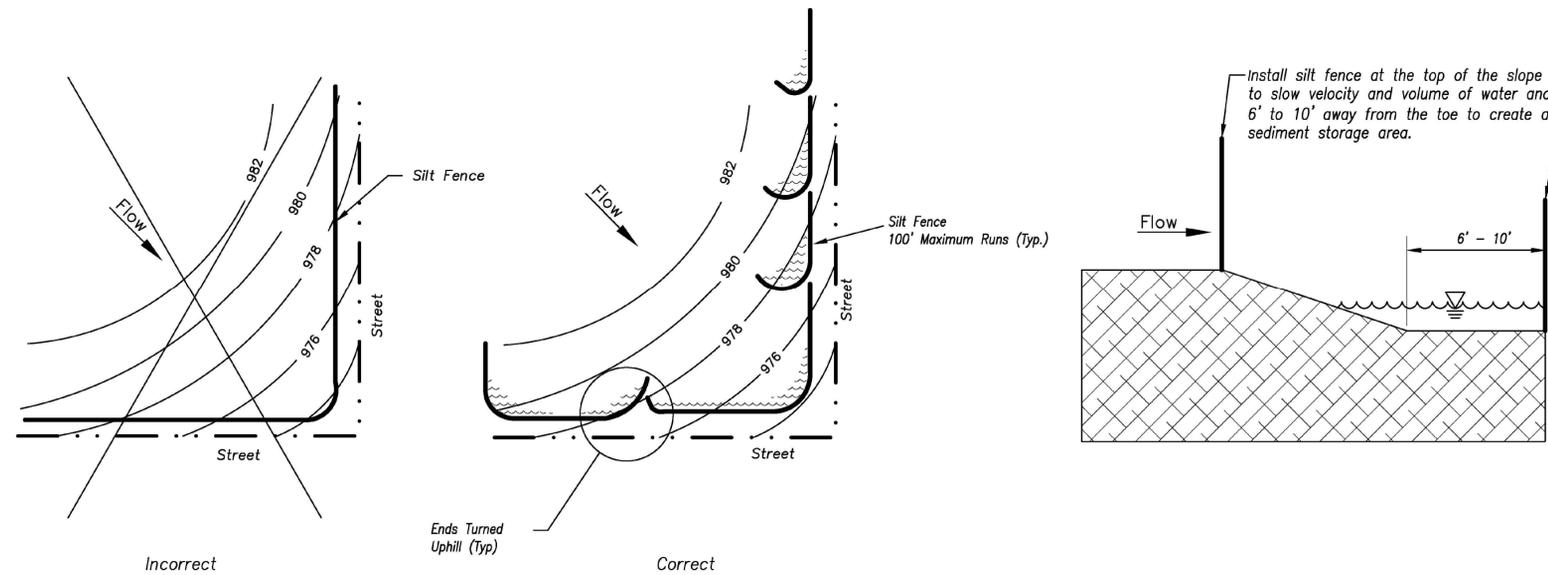
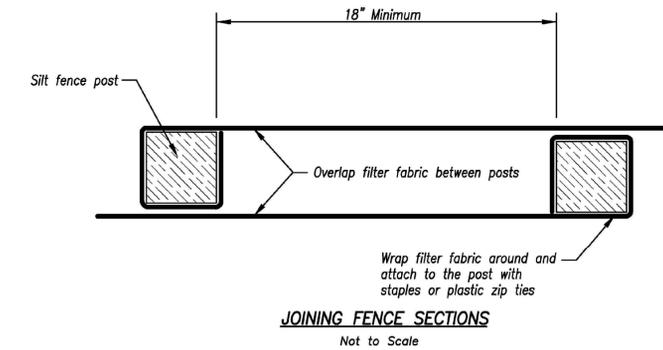


Figure A

**SILT FENCE LAYOUT**  
Not to Scale



**JOINING FENCE SECTIONS**  
Not to Scale

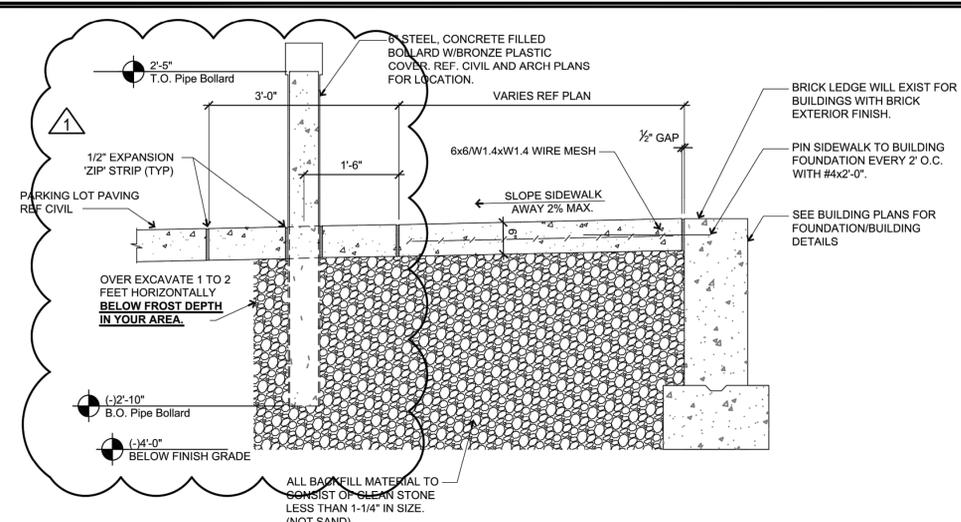
<b>AMERICAN PUBLIC WORKS ASSOCIATION</b>	
 Kansas City Metro Chapter AMERICAN PUBLIC WORKS ASSOCIATION	<b>KANSAS CITY METRO CHAPTER</b>
<b>SILT FENCE</b>	<b>STANDARD DRAWING</b> <b>NUMBER ESC-03</b> <b>ADOPTED:</b> <b>10/24/2016</b>

Modified from 2015 Overland Park Standard Details for Erosion and Sediment Control.

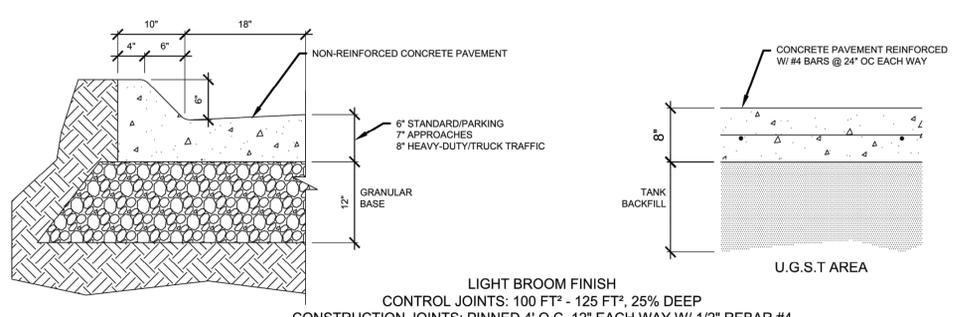


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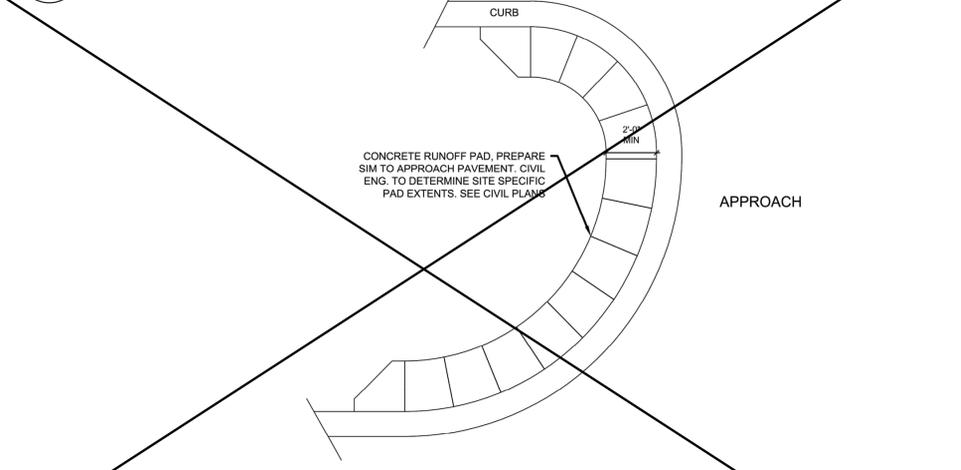
 <b>CASEY'S CONSTRUCTION DIVISION</b> One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	
PROJECT: <b>EUDORA, KS "U3 STORE"</b> <b>WEST 14th St. &amp; CHURCH St.</b>	DRAWING INFORMATION: <b>EROSION CONTROL DETAILS</b>
DRAWING INFORMATION: CONSTRUCTION DIVISION DRAWN BY: <b>JWL</b> CHECKED BY: <b>JWL</b>	<b>C-403</b>



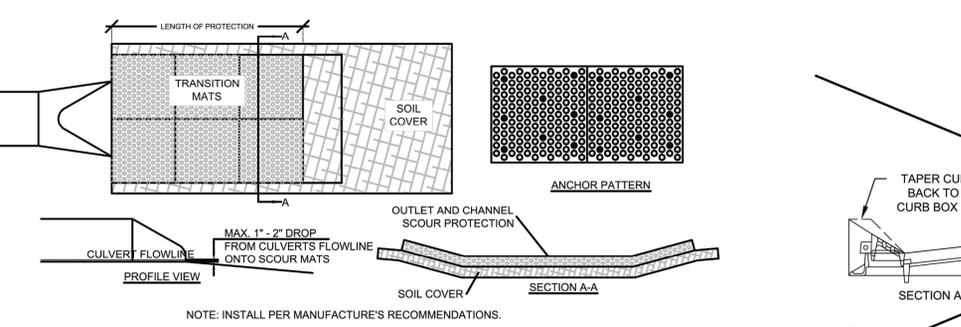
**1 TYPICAL BUILDING SIDEWALK AND BOLLARD**  
3/4" = 1'-0"



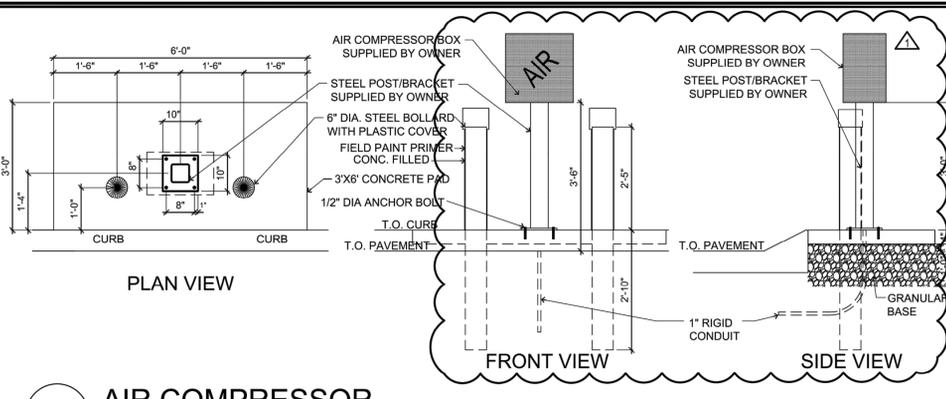
**2 CONCRETE PAVING AND CURB**  
Not to Scale



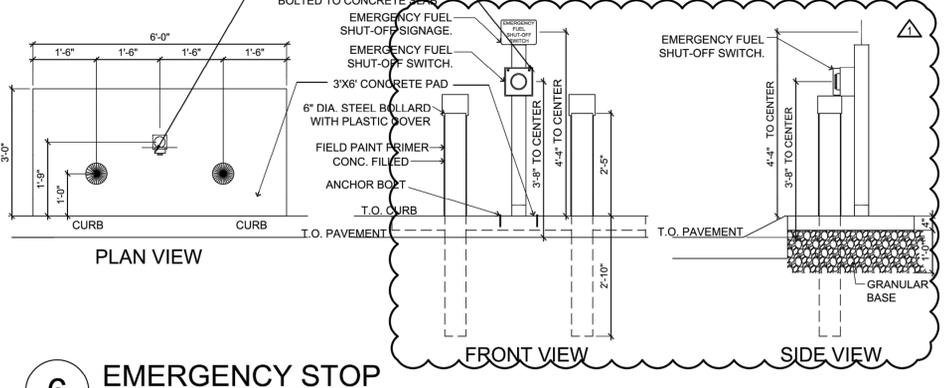
**3 LANDSCAPE PROTECTOR**  
Not to Scale



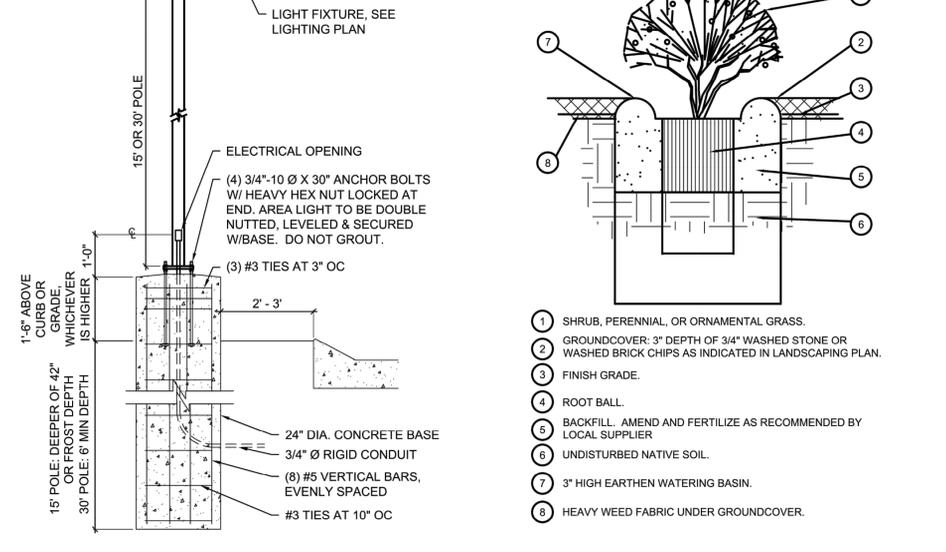
**4 SCOUR STOP EROSION CONTROL**  
Not to Scale



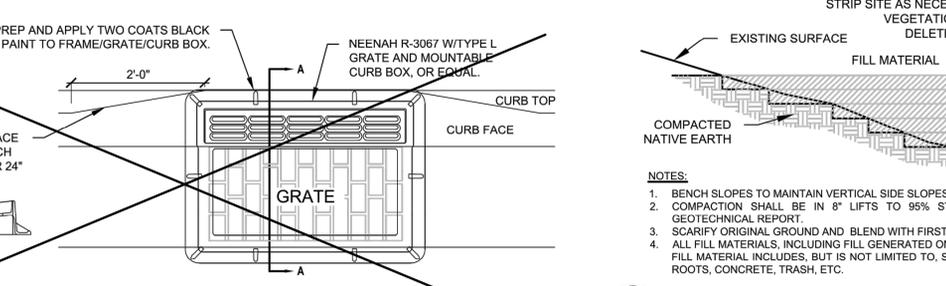
**5 AIR COMPRESSOR**  
1/2" = 1'-0"



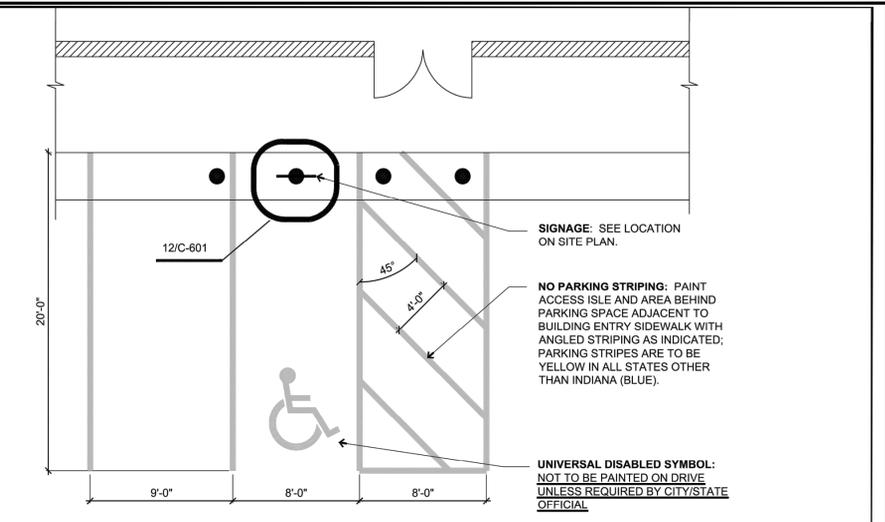
**6 EMERGENCY STOP**  
1/2" = 1'-0"



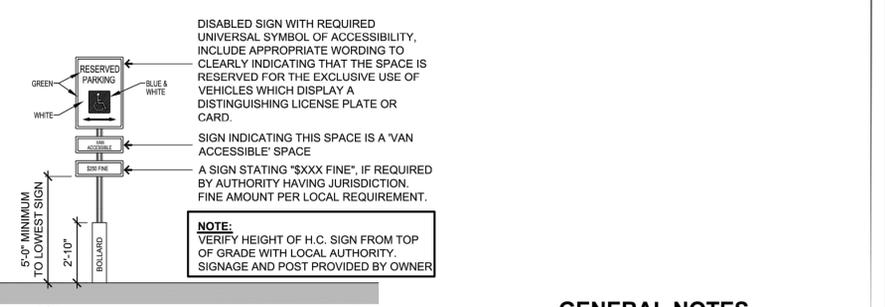
**7 AREA LIGHTING**  
1/2" = 1'-0"



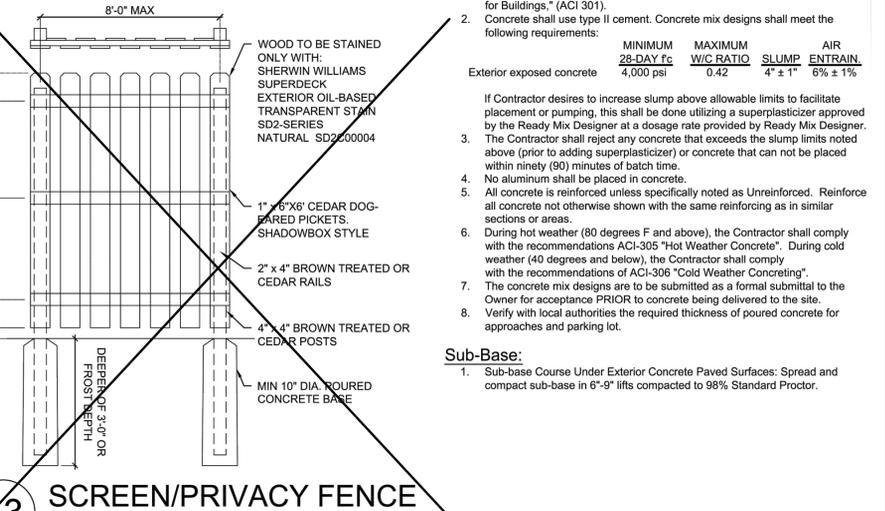
**8 PLANT/SHRUB INSTALLATION**  
Not to Scale



**11 ADA PARKING SPACES**  
3/16" = 1'-0"



**12 ADA PARKING SIGN**  
1/4" = 1'-0"



**13 SCREEN/PRIVACY FENCE**  
1/2" = 1'-0"

**GENERAL NOTES**

**Concrete:**

- All concrete and reinforcing work shall conform to the latest edition of the American Concrete Institute's "Standard Building Code Requirements for Reinforced Concrete," (ACI 318) and "Specifications for Structural Concrete for Buildings," (ACI 301).
- Concrete shall use type II cement. Concrete mix designs shall meet the following requirements:

	MINIMUM 28-DAY Fc	MAXIMUM W/C RATIO	SLUMP	AIR ENTRAIN
Exterior exposed concrete	4,000 psi	0.42	4" ± 1"	6% ± 1%

If Contractor desires to increase slump above allowable limits to facilitate placement or pumping, this shall be done utilizing a superplasticizer approved by the Ready Mix Designer at a dosage rate provided by Ready Mix Designer.

- The Contractor shall reject any concrete that exceeds the slump limits noted above (prior to adding superplasticizer) or concrete that can not be placed within ninety (90) minutes of batch time.
- No aluminum shall be placed in concrete.
- All concrete is reinforced unless specifically noted as Unreinforced. Reinforce all concrete not otherwise shown with the same reinforcing as in similar sections or areas.
- During hot weather (80 degrees F and above), the Contractor shall comply with the recommendations ACI-305 "Hot Weather Concrete". During cold weather (40 degrees and below), the Contractor shall comply with the recommendations of ACI-306 "Cold Weather Concrete".
- The concrete mix designs are to be submitted as a formal submittal to the Owner for acceptance PRIOR to concrete being delivered to the site.
- Verify with local authorities the required thickness of poured concrete for approaches and parking lot.

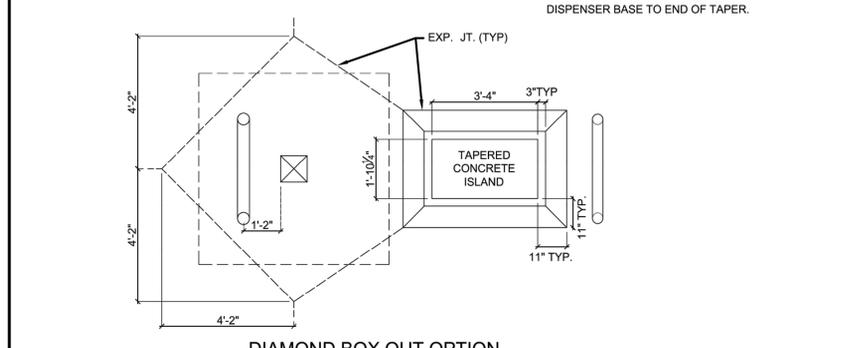
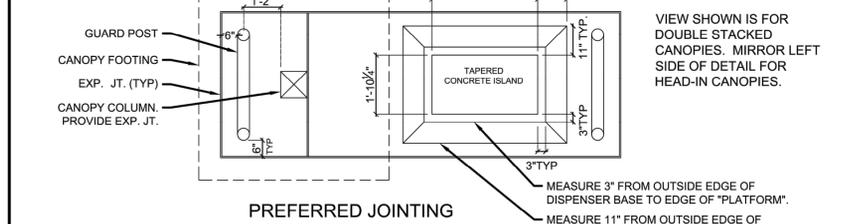
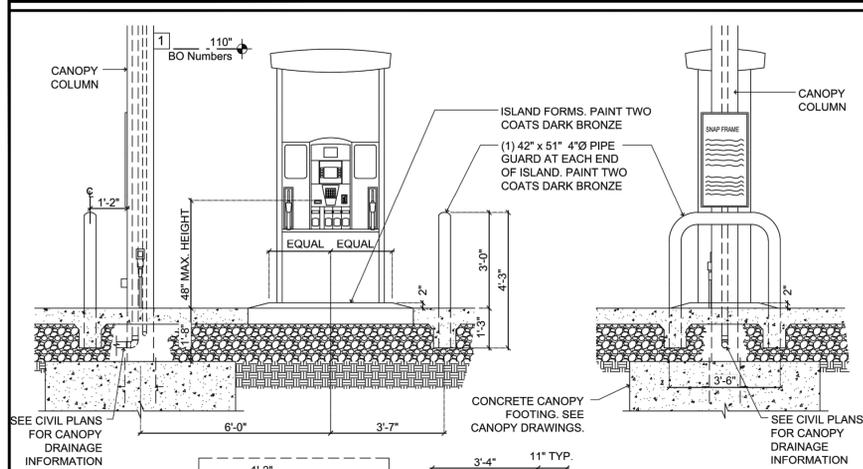
**Sub-Base:**

- Sub-base Course Under Exterior Concrete Paved Surfaces: Spread and compact sub-base in 6"-9" lifts compacted to 98% Standard Proctor.

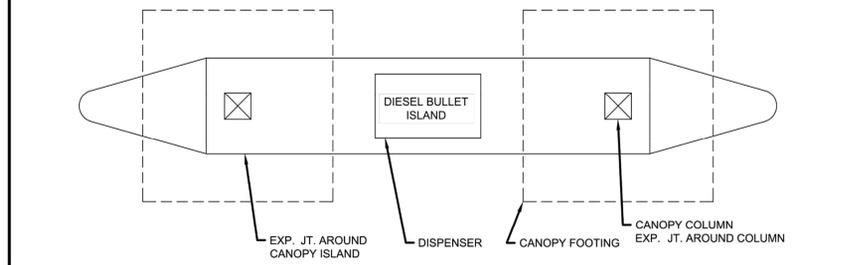
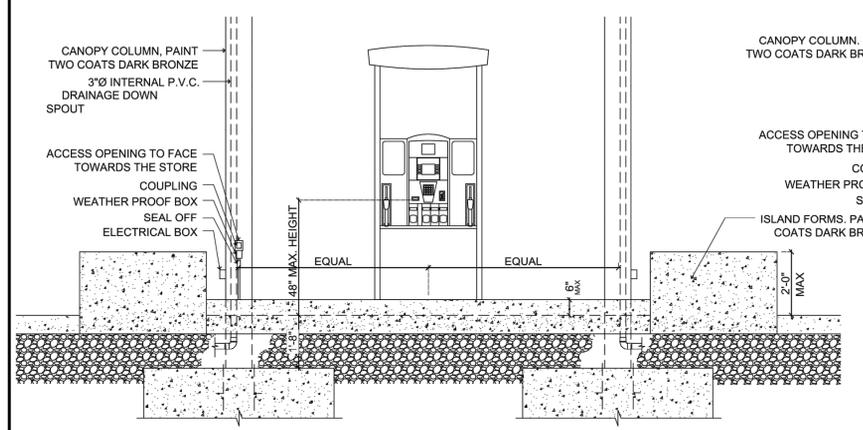
SBB Proj. No. 19-222

2019 CIVIL DETAILS	CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	07/06/20	DRAWING INFORMATION
PUBLISHED: 03/27/19	EUDORA, KS "J3 STORE"	REVISION ON:	STANDARD DETAILS
REVISION: 08/09/19	WEST 14th St. & CHURCH St.		
DRAWING INFORMATION	CONSTRUCTION DIVISION		
DRAWN BY: JWL	CHECKED BY: JWL		

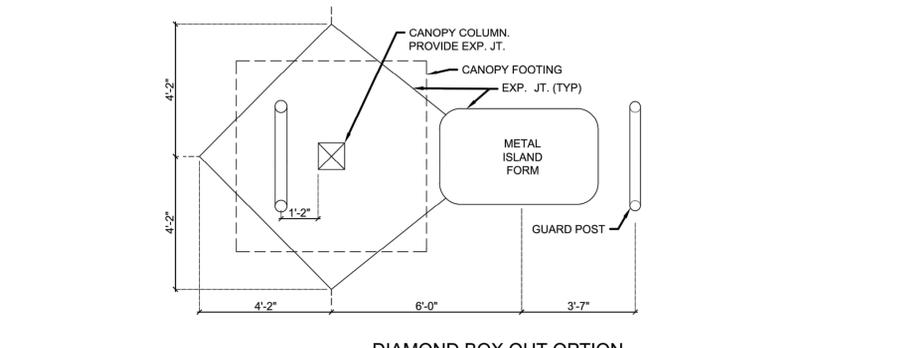
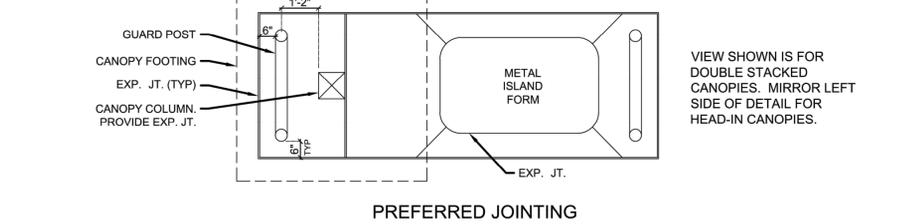
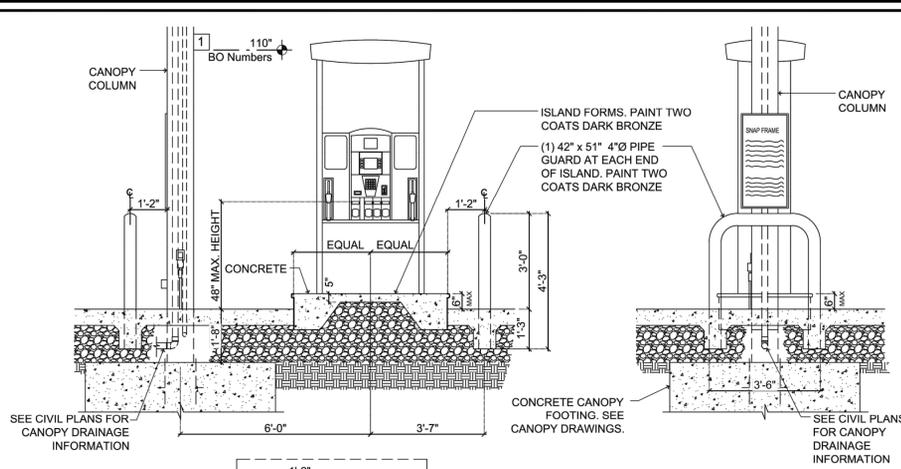
**C-601**



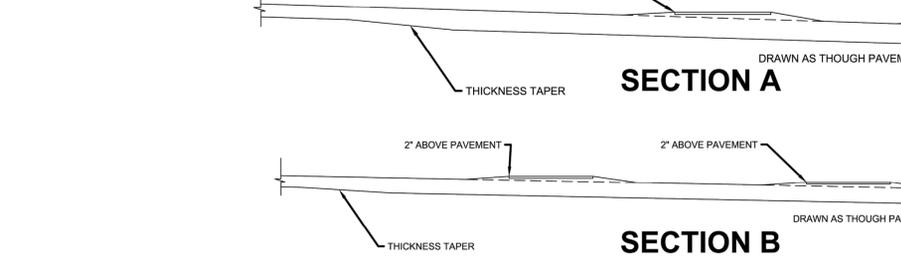
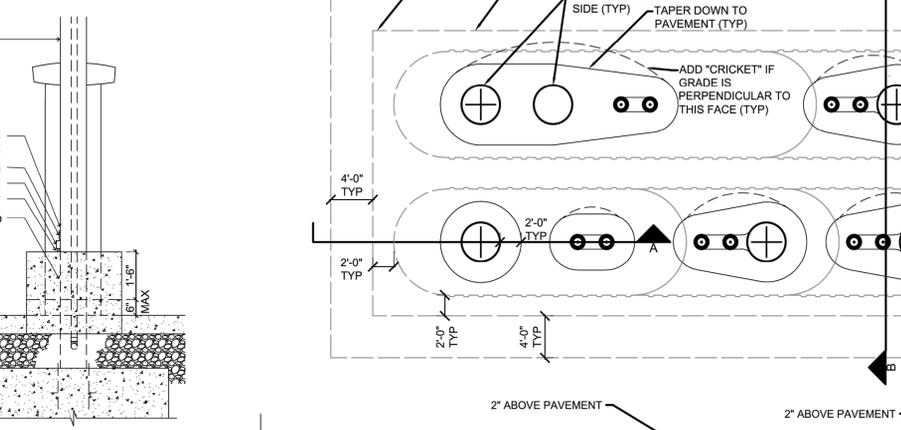
**1 GAS TAPERED FUEL ISLAND (PREFERRED OPTION)**  
3/8" = 1'-0"



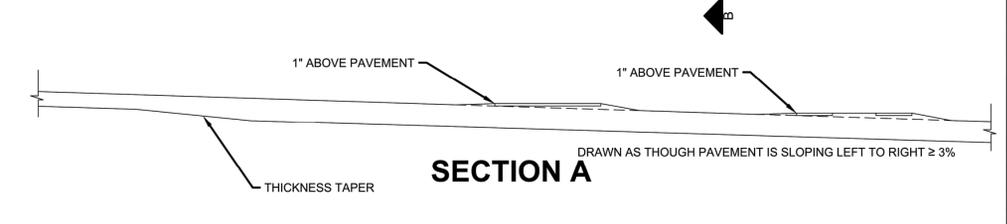
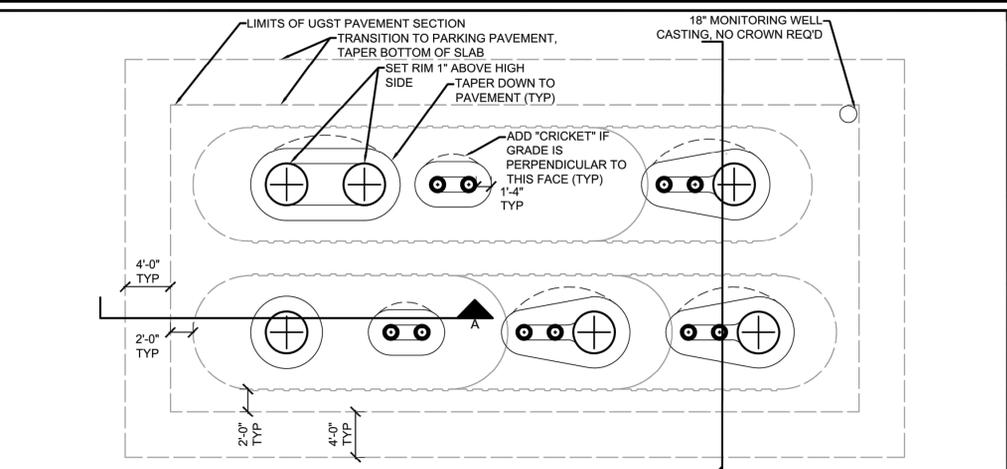
**3 DIESEL BULLET ISLAND**  
3/8" = 1'-0"



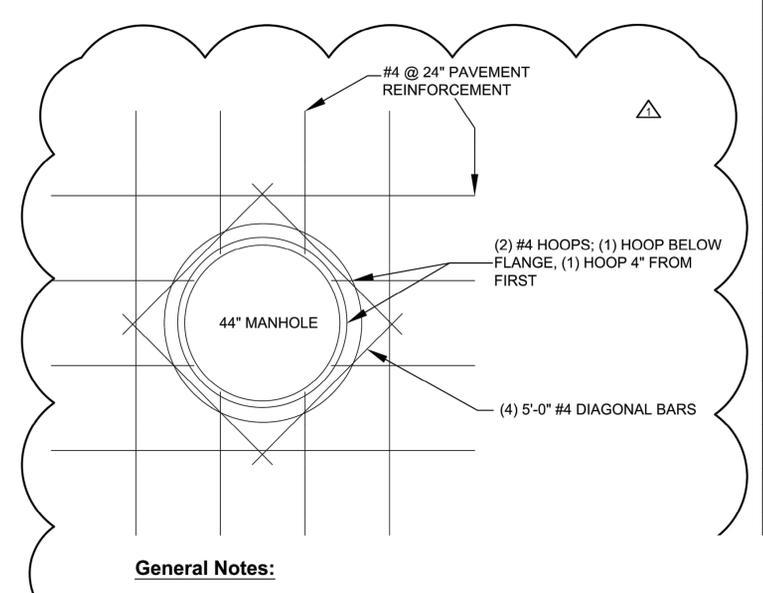
**2 GAS METAL FORM ISLAND**  
3/8" = 1'-0"



**5 UGST PAVING FOR PAVEMENT SLOPE <3%**  
Not to Scale



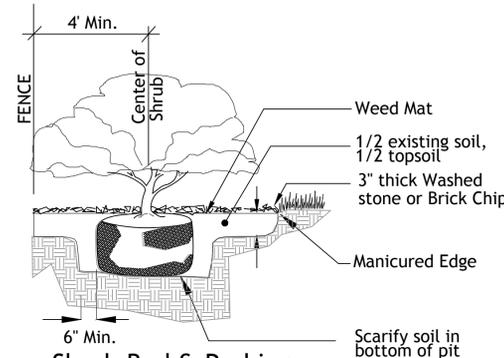
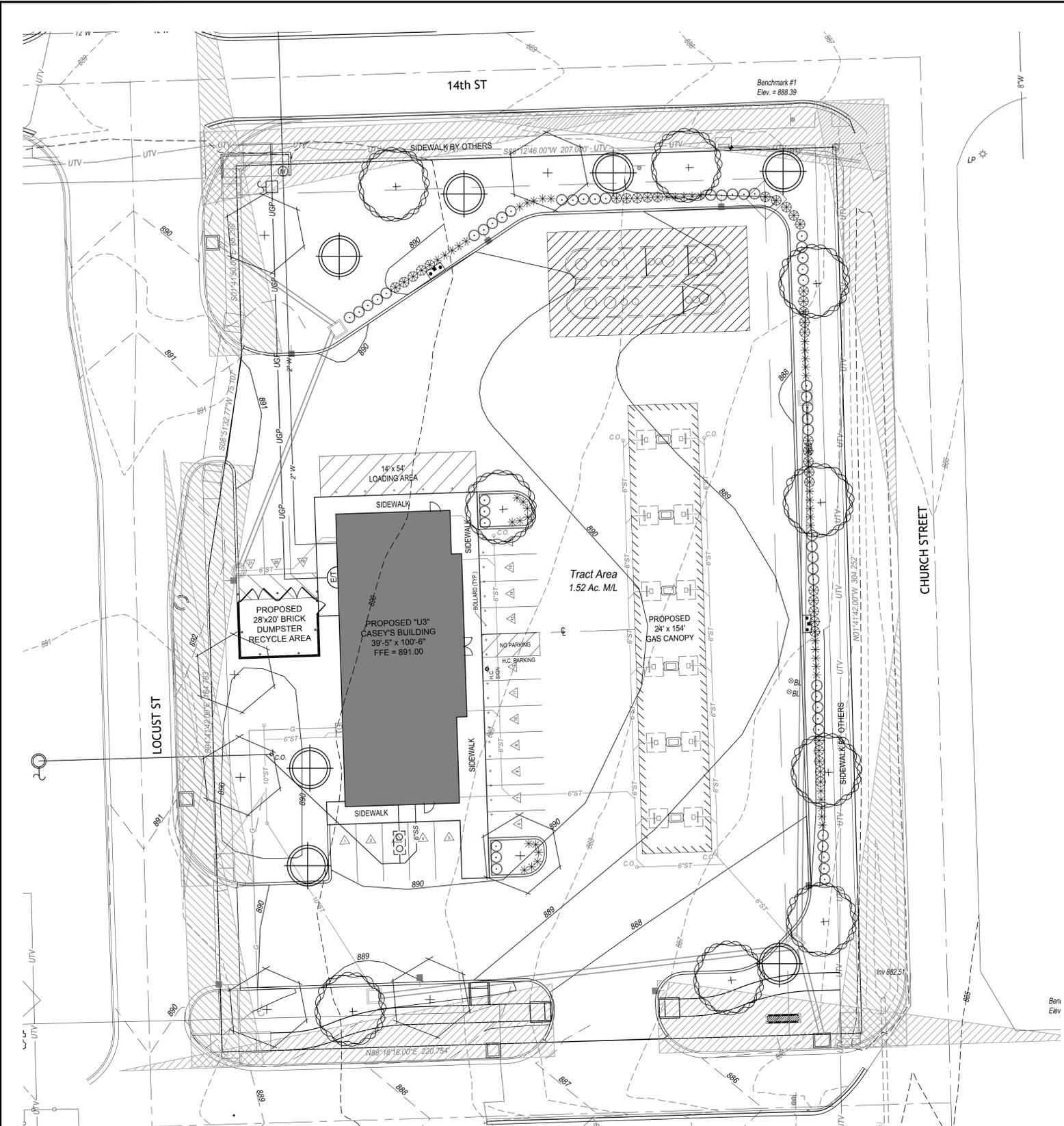
**4 UGST PAVING FOR PAVEMENT SLOPE >3%**  
Not to Scale



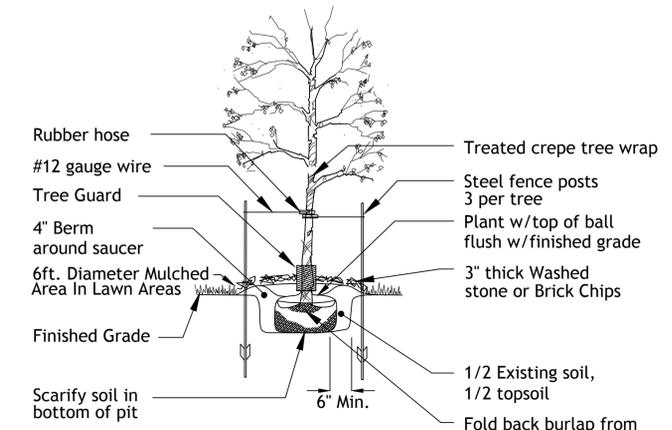
**6 UGST Manhole Detail**  
1/2" = 1'-0"

**General Notes:**  
1 ALL REINFORCING IS CENTER OF SLAB.

2019 CIVIL DETAILS	CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	PUBLISHED: 03/27/19	REVISIONS: 07/06/20
PROJECT: EUDORA, KS "UJ STORE"	WEST 14th St. & CHURCH St.	CONSTRUCTION DIVISION	JWL
STANDARD DETAILS		C-602	



**Shrub Bed & Parking Setback Detail**  
No Scale



**Tree Planting Detail**  
No Scale

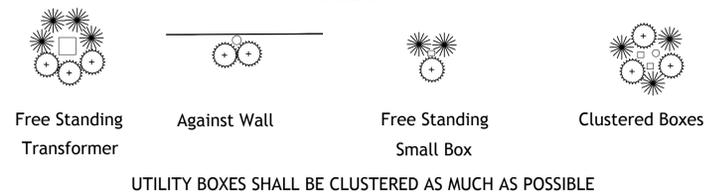
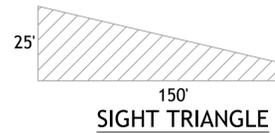
**LANDSCAPE DATA**

CHURCH STREET	304'
REQUIRED	
1 SHADE PER 80'	= 4
1 SHRUB PER 4'	= 59
PROVIDED	
SHADE TREES	= 4
SHRUBS	= 65
PRIVATE ST (WEST)	305'
REQUIRED	
1 SHADE PER 80'	= 4
PROVIDED	= 4
14th ST	207'
REQUIRED	
1 SHADE PER 80'	= 3
1 SHRUB PER 4'	= 49
PROVIDED	
SHADE TREES	= 3
SHRUBS	= 50
PRIVATE ST (SOUTH)	221'
REQUIRED	
1 SHADE PER 80'	= 3
PROVIDED	= 3
OPEN SPACE	
REQUIRED	
1 TREE PER 3,000sf	= 7
PROVIDED	
ORNAMENTALS	= 7

**LANDSCAPE NOTES**

- CONTRACTOR REQUIRED TO LOCATE ALL UTILITIES BEFORE INSTALLATION TO BEGIN.
- Contractor shall verify all landscape material quantities and shall report any discrepancies to the Landscape Architect prior to installation.
- No plant material substitutions are allowed without Landscape Architect or Owners approval.
- Contractor shall guarantee all landscape work and plant material for a period of one year from date of acceptance of the work by the Owner. Any plant material which dies during the one year guarantee period shall be replaced by the contractor during normal planting seasons.
- Contractor shall be responsible for maintenance of the plants until completion of the job and acceptance by the Owner.
- Successful landscape contractor shall be responsible for design that complies with minimum irrigation requirements, and installation of an irrigation system. Irrigation system to be approved by the owner before starting any installation.
- All plant material shall be specimen quality stock as determined in the "American Standards For Nursery Stock" published by The American Association of Nurseryman, free of plant diseases and pest, of typical growth of the species and having a healthy, normal root system.
- Sizes indicated on the plant list are the minimum, acceptable size. In no case will sizes less than specified be accepted.
- All shrub beds within lawn areas to receive a manicured edge.
- All shrub beds shall be mulched with 3" thick Washed stone or Brick Chips
- All sod areas to be fertilized & sodded with a Turf-Type-Tall Fescue seed blend.
- All seed areas shall be hydro-seeded with a Turf-Type-Tall Fescue seed blend.

**Typical Utility Box Screening Details**  
No Scale



**Tree List**

Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
	6	Honeylocust	Gleditsia Triacanthos 'Shademaster'	3" cal	BB	As Shown
	8	Red Oak	Quercus Rubra	3" cal	BB	As Shown
	7	Amur Maple	Acer Ginnala 'Flame'	1 1/2" cal	BB	As Shown

**Shrub List**

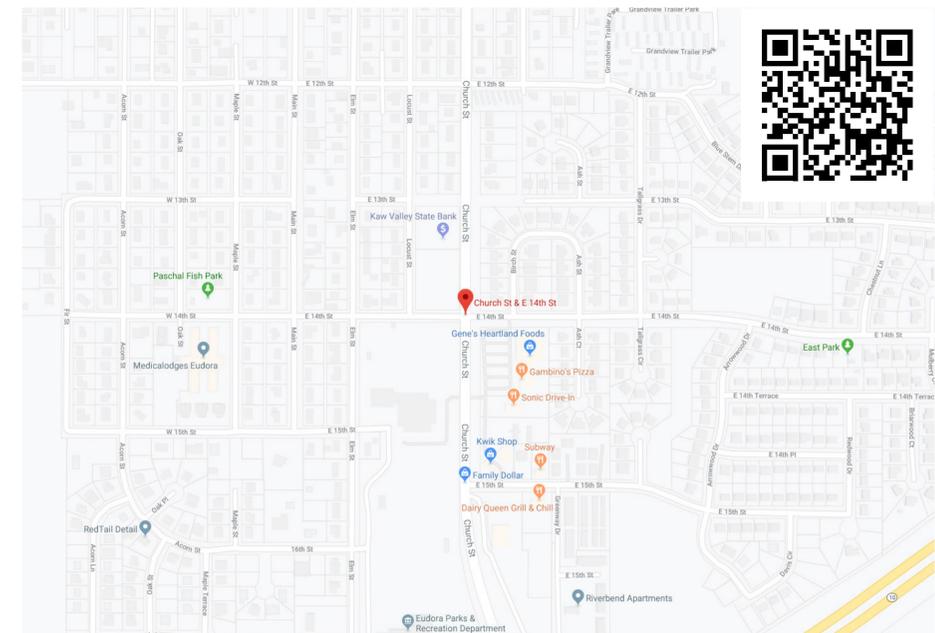
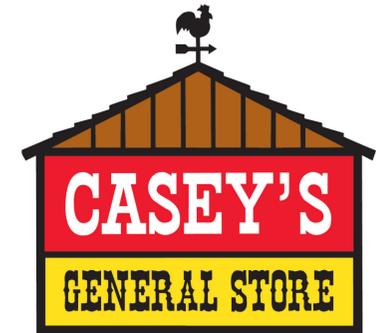
Symbol	Quantity	Common Name	Botanical Name	Size	Condition	Spacing
	51	Seagreen Juniper	Juniperus Chinensis 'Seagreen'	24"	Container	4' o.c.
	35	Dwarf Winged Euonymus	Euonymus Alatus 'Compactus'	24"	Container	4' o.c.
	47	Morning Light Maiden Grass	Miscanthos Sinensis 'Morning Light'	3 gal.	Container	4' o.c.



SBB Proj. No. 19-222

<b>CASEY'S</b> General Store	
CASEY'S CONSTRUCTION DIVISION One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100	
EUDORA, KS "U3 STORE"	6-9-20 6-26-20
WEST 14th St. & CHURCH St.	LANDSCAPE PLAN
CONSTRUCTION DIVISION	C-701
GO	GO

## EXTERIOR LIGHTING LAYOUT



LOGIN

CLICK TO LEARN HOW TO USE  
YOUR INTERACTIVE SITE PLAN



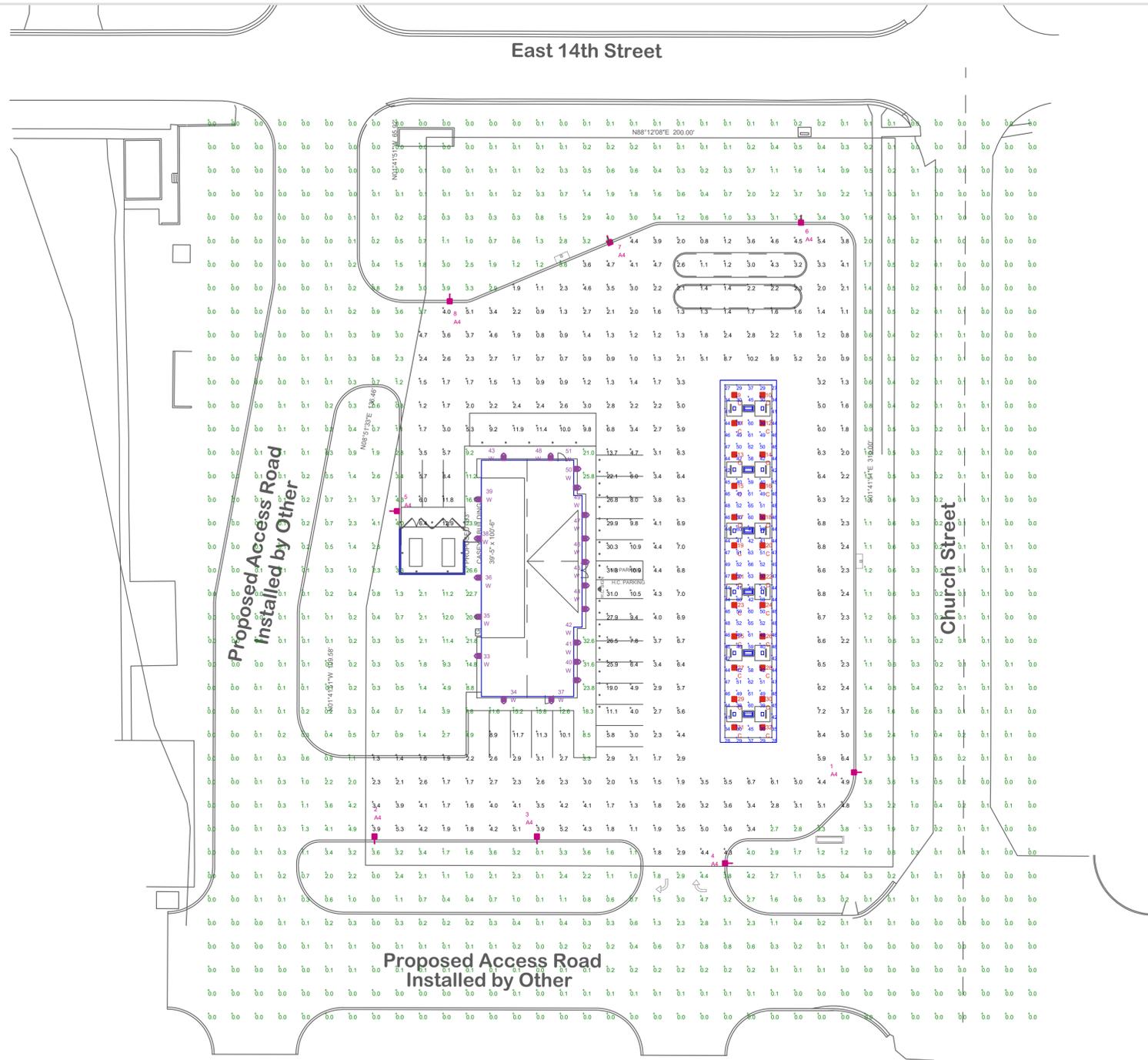
CLICK FOR ADDITIONAL  
INFORMATION & LINKS

[redleonard.com/planinfo](http://redleonard.com/planinfo)



# RL-6516-S1-R2

05/05/20



LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A4	17
2	A4	17
3	A4	17
4	A4	17
5	A4	17
6	A4	17
7	A4	17
8	A4	17
9	C	16.5
10	C	16.5
11	C	16.5
12	C	16.5
13	C	16.5
14	C	16.5
15	C	16.5
16	C	16.5
17	C	16.5
18	C	16.5
19	C	16.5
20	C	16.5
21	C	16.5
22	C	16.5
23	C	16.5
24	C	16.5
25	C	16.5
26	C	16.5
27	C	16.5
28	C	16.5
29	C	16.5
30	C	16.5
31	C	16.5
32	C	16.5
33	W	10
34	W	10
35	W	10
36	W	10
37	W	10
38	W	10
39	W	10
40	W	10
41	W	10
42	W	10
43	W	10
44	W	10
45	W	10
46	W	10
47	W	10
48	W	10
49	W	10
50	W	10
51	W	10

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	4.60	31.8	0.7	6.57	45.43
UNDEFINED AREA	1.02	32.6	0.0	N.A.	N.A.
UNDER CANOPY	46.21	66	27	1.71	2.44

NOTE: ALL AREA LIGHTS ON NEW 15 FT. POLES MOUNTED ON 2 FT. CONCRETE BASES

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	DESCRIPTION
	8	A4	SINGLE	11259	1.040	B2-U0-G2	134	1072	Cree Inc.	ARE-EDG-4M-DA-06-E-UL-BZ-700
	24	C	SINGLE	13251	1.040	B3-U0-G1	134	3216	CREE, INC.	CAN-304-SL-RS-06-E-UL-WH-700
	19	W	SINGLE	8739	1.040	B2-U0-G2	100	1900	CREE, INC.	SEC-EDG-3M-WM-06-E-UL-BZ-525

REV.	BY	DATE	DESCRIPTION
R1	BJM	2/10/20	REVISED LAYOUT PER NEW SITE PLAN
R2	JSG	5/5/20	REVISED PER NEW SITE PLAN AND BLDG CHANGE

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SCALE: 1" = 30'  
 LAYOUT BY: BJM  
 DATE: 12/19/19  
 DWG SIZE: D

PROJECT NAME: CASEY'S EUDORA, KS  
 DRAWING NUMBER: RL-6516-S1-R2

# PRODUCT DETAIL & PLACEMENT

COLOR CODED LABELS, PRODUCT INFORMATION, 3D INTERACTIVE MODEL



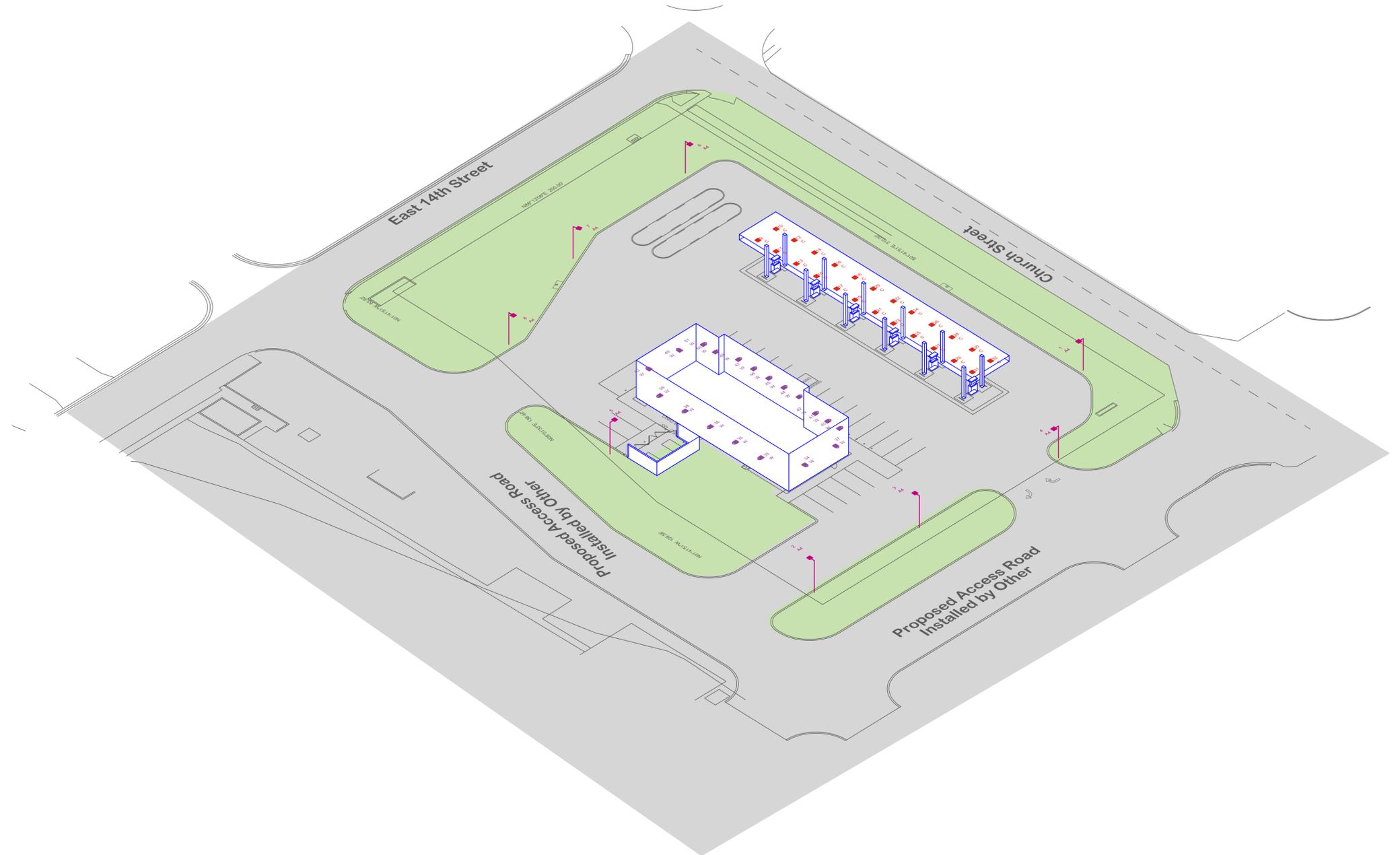
AREA  
**A4**



CANOPY  
**C**



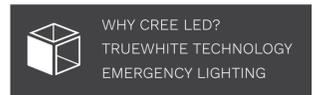
WALL MOUNTED  
**W**

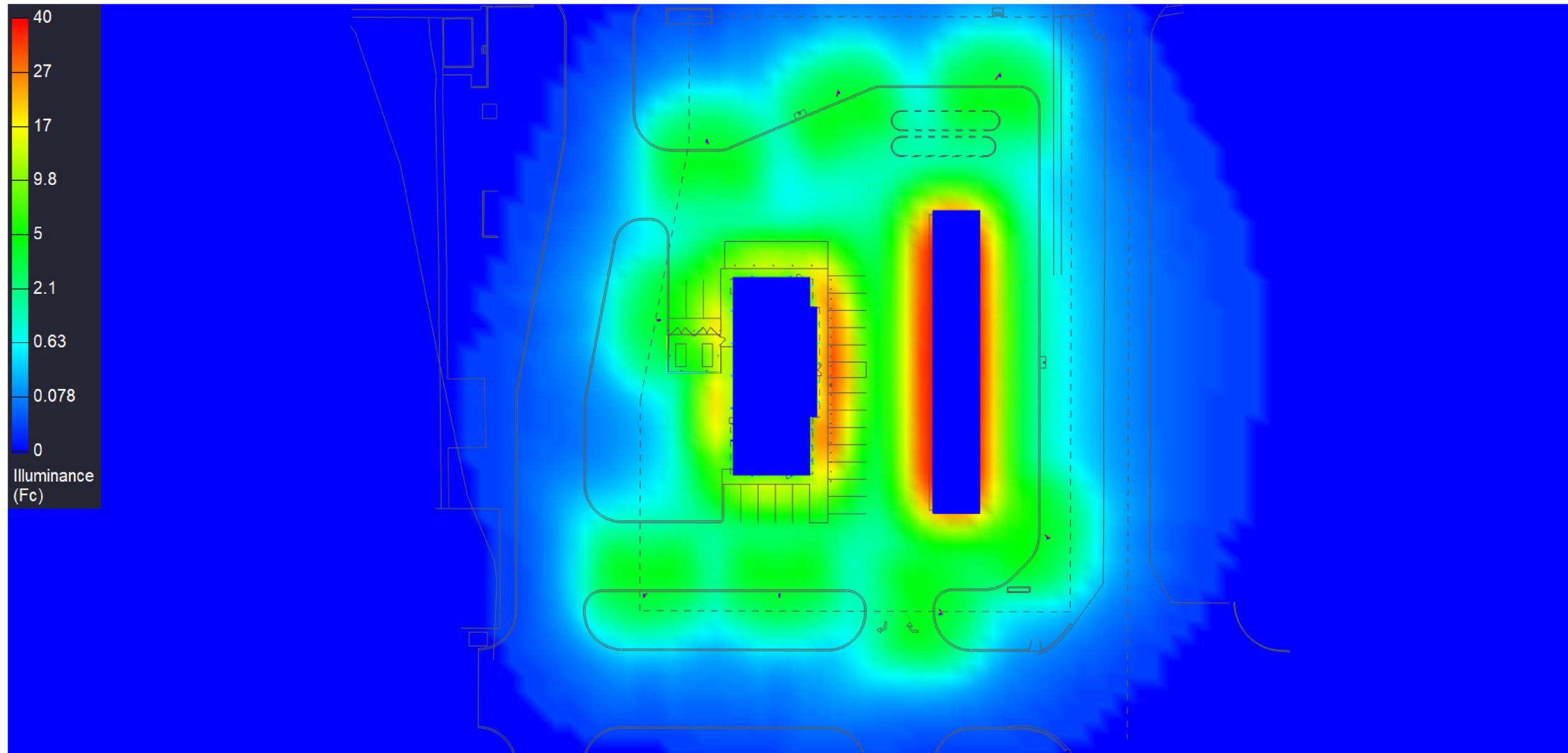


LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	DESCRIPTION
	8	A4	SINGLE	11259	1.040	B2-U0-G2	134	1072	Cree Inc.	ARE-EDG-4M-DA-06-E-UL-BZ-700
	24	C	SINGLE	13251	1.040	B3-U0-G1	134	3216	CREE, INC.	CAN-304-SL-RS-06-E-UL-WH-700
	19	W	SINGLE	8739	1.040	B2-U0-G2	100	1900	CREE, INC.	SEC-EDG-3M-WM-06-E-UL-BZ-525



**CREE TRUEWHITE® TECHNOLOGY**  
LEARN MORE ABOUT THE POWER OF TRUEWHITE®





**UNDERSTAND YOUR LIGHTING SOLUTION**  
CLICK TO VIEW AN INTERACTIVE PHOTOMETRY COMPARISON

PHOTOMETRIC COMPARISON TOOL  
LIGHTING DISTRIBUTION TOOL  
IP RATINGS EXPLAINED







# SIGN PACKET

**JACOB CLARK** | SIGNAGE PROJECT BUYER

3305 SE Delaware Ave | Ankeny, IA 50021

P: 515-963-3831 | F: 515-289-5606 | E: jacob.clark@caseys.com

## Eudora, KS

### **U3 Store**

- 4' Building Signage
- 4' Canopy Signage
- 4 Product Custom Monument

07-24-20

### Building & Wall Signs (U3 Store)

Sign #	Sign	Type	Location	Illumination	Dimensions				
					Height	Width	Bottom	Top	Area Ft <sup>2</sup>
1	"CASEY'S"	Surface	Building Front	Internal	4' 0"	17' 0-3/4"	See A-201	See A-201	28.25
2	DO NOT INSTALL								
3	Snap Frame	Advertising	Building Front	N/A	3' 0"	8' 0"	3' 4"	6' 8-1/2"	24
4	Snap Frame	Advertising	Building Front	N/A	3' 8"	2' 4"	2' 10"	6' 10-1/2"	8.56
								<b>Total</b>	<b>60.81</b>

### Canopy

Sign #	Sign	Type	Location	Illumination	Dimensions				
					Height	Width	Bottom	Top	Area Ft <sup>2</sup>
5	House Logo	Surface	Canopy Side	Internal	4' 0"	5' 8-7/8"	17' 3-1/2"	21' 3-1/2"	17.49
5	House Logo	Surface	Canopy Side	Internal	4' 0"	5' 8-7/8"	17' 3-1/2"	21' 3-1/2"	17.49
5	House Logo	Surface	Canopy Front	Internal	4' 0"	5' 8-7/8"	17' 3-1/2"	21' 3-1/2"	17.49
4	Snap Frame	Advertising	Canopy Column	N/A	3' 8"	2' 4"	3' 0"	7' 0-1/2"	8.56
4	Snap Frame	Advertising	Canopy Column	N/A	3' 8"	2' 4"	3' 0"	7' 0-1/2"	8.56
4	Snap Frame	Advertising	Canopy Column	N/A	3' 8"	2' 4"	3' 0"	7' 0-1/2"	8.56
4	Snap Frame	Advertising	Canopy Column	N/A	3' 8"	2' 4"	3' 0"	7' 0-1/2"	8.56
								<b>Total</b>	<b>86.71</b>

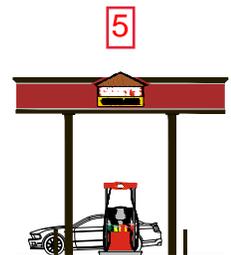
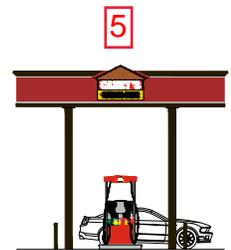
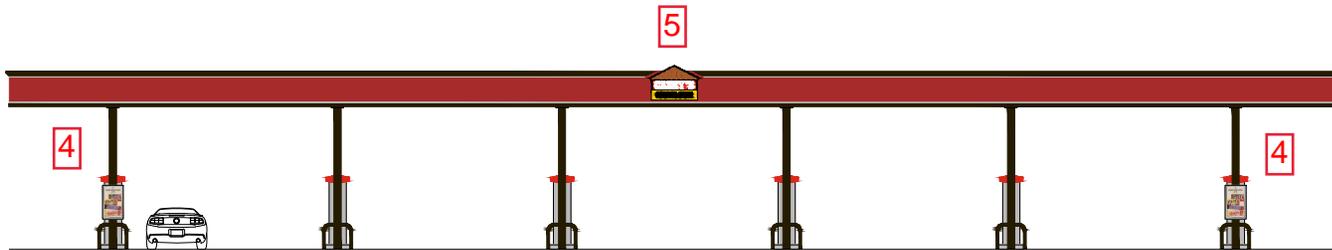
### Monument Sign (4 Product)

Sign #	Sign	Type	Location	Illumination	Dimensions				
					Height	Width	Bottom	Top	Area Ft <sup>2</sup>
5	House Logo	Freestanding	Street	Internal	4' 0"	5' 8-7/8"	8' 6"	12' 6"	17.49
6	Price Sign	Freestanding	Street	Internal	5' 6"	7' 7-1/2"	2' 6"	8' 0"	41.94
								<b>Total</b>	<b>59.43</b>

**SIGNS 1, 3, 4**



**SIGNS 4, 5**



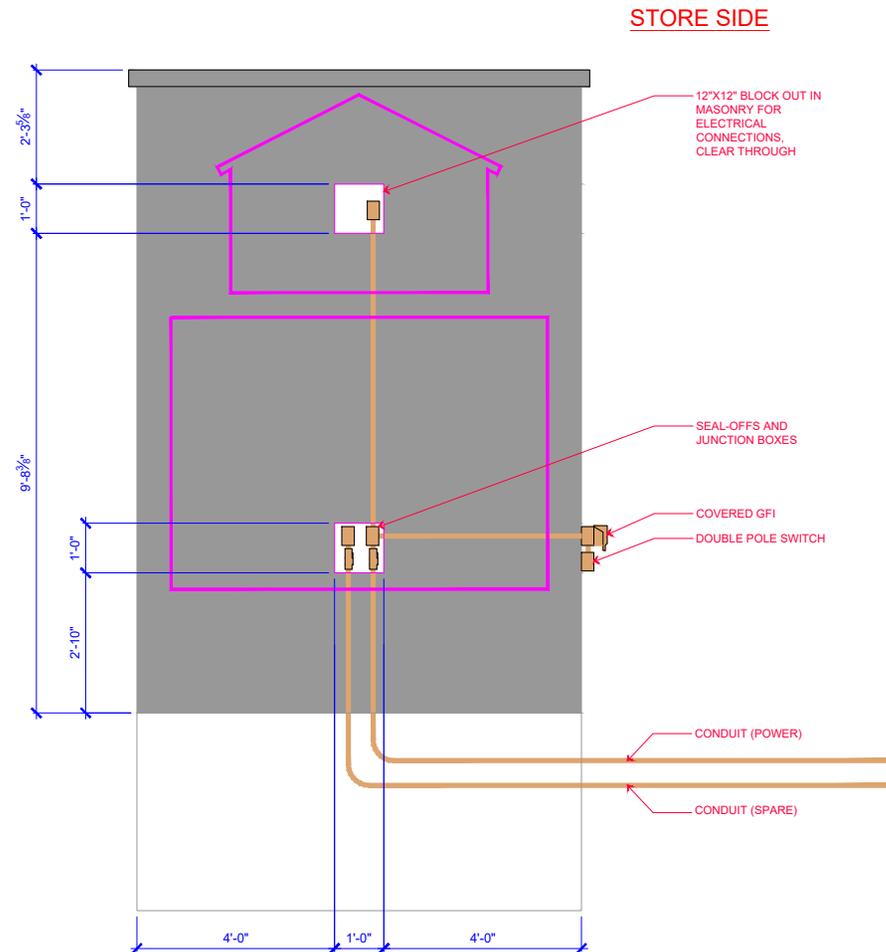
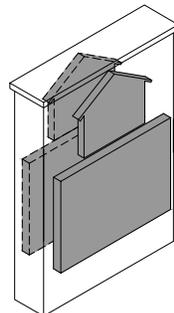
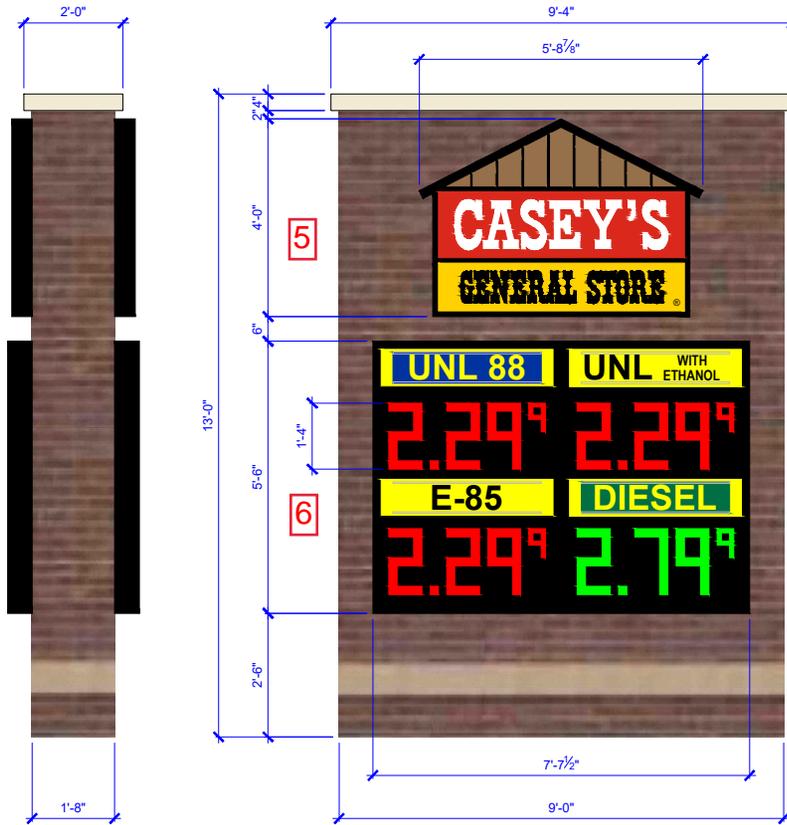
**GAS CANOPY**  
6 IN A ROW HEAD-IN

DRAWN BY:  
J. CLARK

DATE:  
05-21-20

# Monument Sign (4 Product)

Sign #	Sign	Type	Location	Illumination	Dimensions				
					Height	Width	Bottom	Top	Area Ft <sup>2</sup>
5	House Logo	Freestanding	Street	Internal	4' 0"	5' 8-7/8"	8' 6"	12' 6"	17.49
6	Price Sign	Freestanding	Street	Internal	5' 6"	7' 7-1/2"	2' 6"	8' 0"	41.94
<b>Total</b>								<b>59.43</b>	

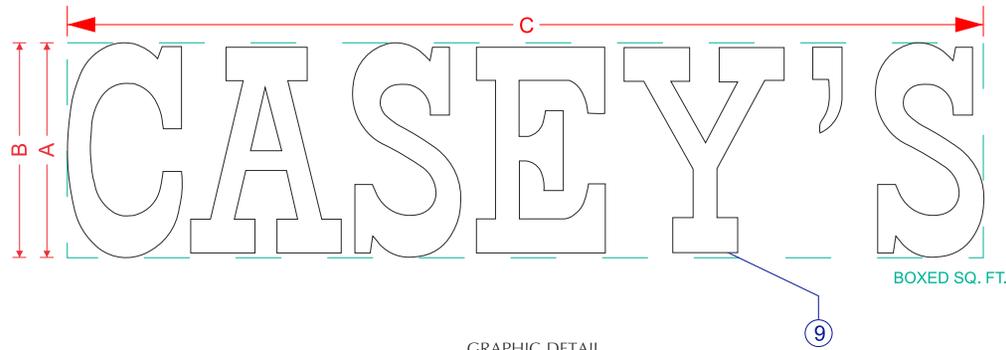


**EUDORA, KS**  
CUSTOM MONUMENT

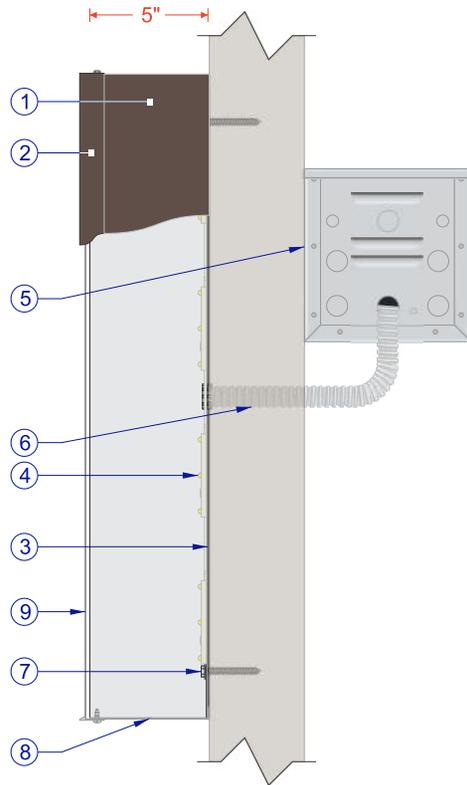
DRAWN BY:  
J. CLARK

DATE:  
07-24-20

**SIGN 1**



GRAPHIC DETAIL  
NOT TO SCALE



LETTER PROFILE  
NOT TO SCALE

CASEY'S REMOTE CHANNEL LETTER SPECIFICATIONS	
NO.	PART/DESCRIPTION
1	.040" x 5" PREFINISHED BRONZE ALUMINUM RETURNS
2	1" BRONZE TRIM CAP
3	.063" ALUMINUM BACK
4	WHITE LED'S AS REQUIRED
5	REMOTE POWER SUPPLIES AS REQUIRED
6	ELECTRICAL OUT PROVISION: THROUGH BACK, CENTER
7	MOUNTING HARDWARE AS DETERMINED BY SITE CONDITIONS
8	DRAIN HOLES AS REQUIRED
9	1/8" 7328 WHITE ACRYLIC FACE

NOTES:

- CHANNEL LETTER INTERIORS TO BE PAINTED REFLECTIVE WHITE
- CHANNEL LETTERS TO USE 120 VOLT STANDARD POWER
- U.L. LISTED

CASEY'S REMOTE CHANNEL LETTERS						
LETTER HEIGHT "C"	OVERALL HEIGHT	OVERALL LENGTH	AMP LOAD	LUMEN OUTPUT	BOXED SQUARE FOOTAGE	ACTUAL SQUARE FOOTAGE
A	B	C				
48"	4'-0"	17'-0 3/4"	TBD	TBD	68.26	28.25

Customer:  
**CASEY'S GENERAL STORES**

Date:  
**12/16/16**

Prepared By:  
**RM**

Note: Color output may not be exact when viewing or printing this drawing. All colors used are PMS or the closest CMYK equivalent. If these colors are incorrect, please provide the correct PMS match and a revision to this drawing will be made.

Item Number: TBD

File Name:  
**CASEY'S REMOTE CHANNEL LETTERS**

Revision:  
**3**

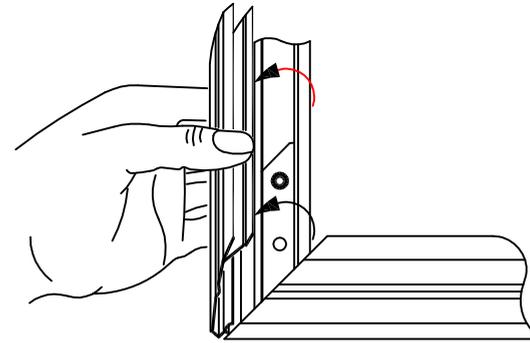
**persona**  
SIGNS | LIGHTING | IMAGE

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# INSTALLATION INSTRUCTIONS

PLEASE READ COMPLETELY BEFORE ASSEMBLY

## SNAPFRAME WALL SIGN



- FIGURE 1 -  
OPENING FRAME MEMBERS

### STEP-BY-STEP INSTALLATION PROCEDURE

- ① Open all four sides of the snap frame by pulling the inside edge of the frame up and out (see figure 1).
- ② Mark hole locations on the inside of the Extrusion at the locations shown to the left. Holes should be drilled in the location indicated in Figure 2. Use a 7/32" drill bit to drill the holes for a #10 screw.
- ③ Hold sign against the wall in desired position and mark hole locations on the wall through holes in the frame. **SIGN MUST BE SECURED TO THE WALL WITH ALL (16) HOLES.**
- ④ Set sign aside and drill or punch starting holes into wall. On masonry walls, drill 5/16" holes into mortar (where possible) approx. 2" deep and insert lead expansion anchor until end is flush with the wall.
- ⑤ Hold sign against wall, align all holes and secure with screws. If you are going into wood or metal, you can still use a No.10 screw. But make sure to use the appropriate one for the material you fasten to.

### IMPORTANT NOTE

- \* This sign is designed for repeated changing of inserts and must be securely fastened to the wall in order to open and close the spring loaded frame members.
- \* USE CAUTION WHEN CLOSING SNAP FRAME MEMBERS! Hold frame by outer edge and keep finger tips away from poster grip edge.

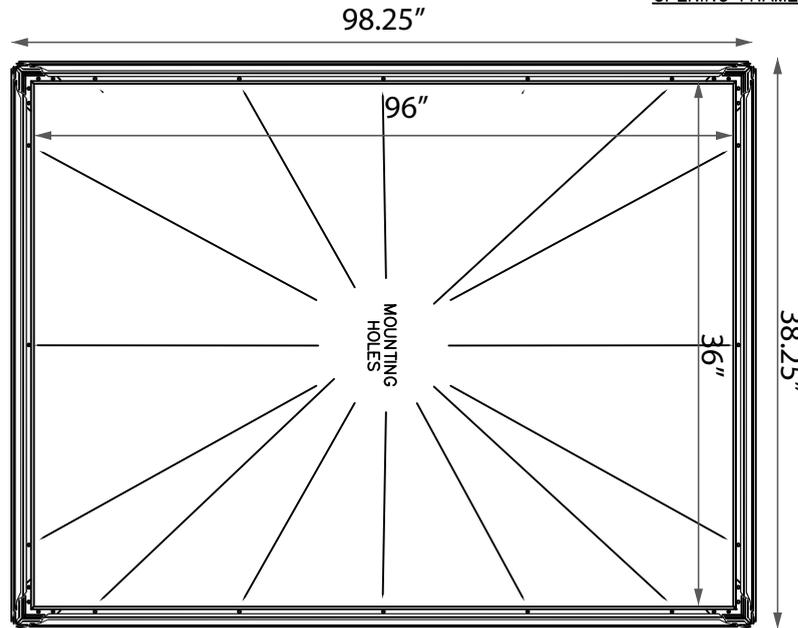
### TOOLS NEEDED

- \* Bubble type level (or string line) for sign positioning.
- \* Pencil for hole location marking.
- \* Drill with 5/16" masonry bit for masonry application only.
- \* 7/32" Metal drill bit for hole in frame
- \* Phillips screwdriver.

### PARTS LIST

- [A] Snap frame with metal backer

BACKER SHEET WITH FRAME  
IN OPEN POSITION



**26.1 SQ FT TOTAL**

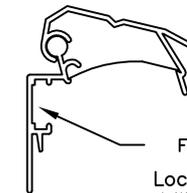
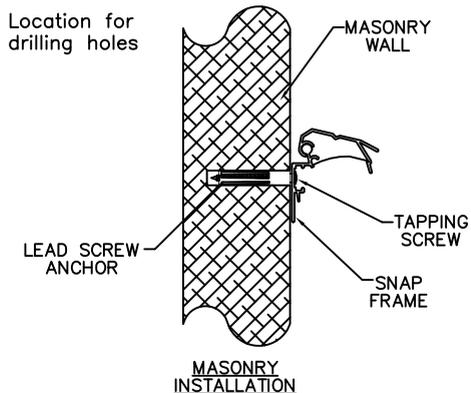


FIGURE 2 -  
Location for drilling holes



MASONRY  
INSTALLATION

inside dimensions = (96"x36")  
outside dimensions = (98.25"x38.25")

**STOUT.**  
| sign company |

A DIVISION OF STOUT INDUSTRIES  
FOR ASSISTANCE CALL: 1-800-325-8530

## INSTALLATION INSTRUCTIONS

PLEASE READ COMPLETELY BEFORE ASSEMBLY

## SNAPFRAME WALL SIGN

### IMPORTANT NOTE

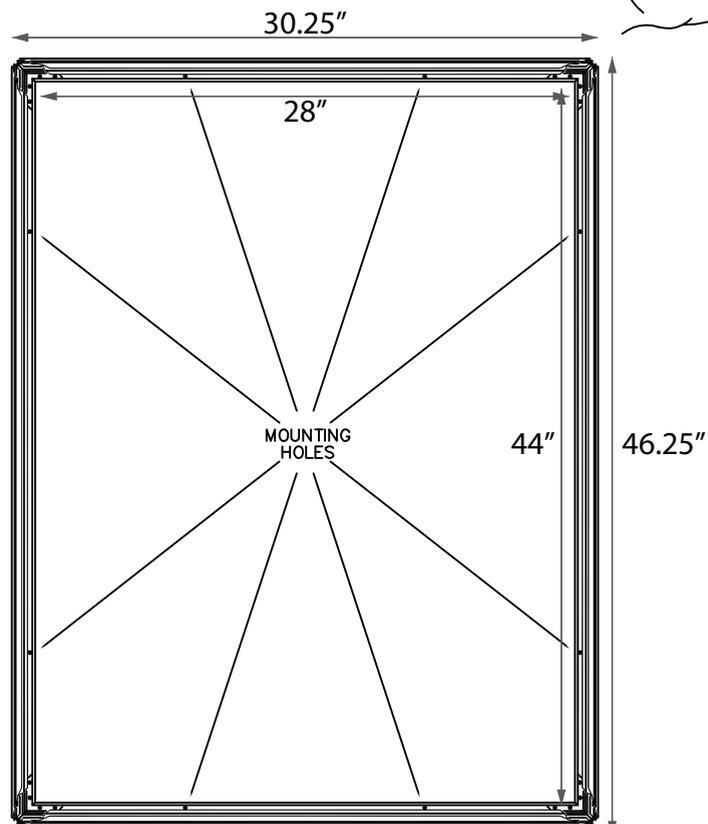
- \* This sign is designed for repeated changing of inserts and must be securely fastened to the wall in order to open and close the spring loaded frame members.
- \* USE CAUTION WHEN CLOSING SNAP FRAME MEMBERS! Hold frame by outer edge and keep finger tips away from poster grip edge.

### TOOLS NEEDED

- \* Bubble type level (or string line) for sign positioning.
- \* Pencil for hole location marking.
- \* Drill with 5/16" masonry bit for masonry application only.
- \* Phillips screwdriver.

### PARTS LIST

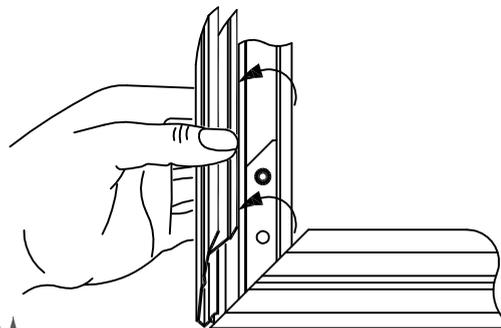
- [A] Sign face with snap frame
- [B] #10 x 1-3/4" tapping screws (8)
- [C] #10-12 x 1" lead anchors (8)



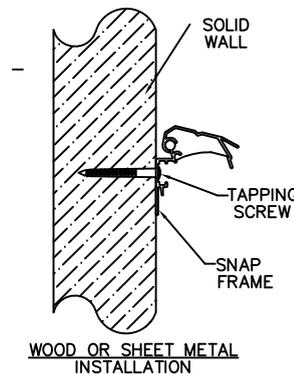
— FIGURE 2 —  
SIGN WITH FRAME  
IN OPEN POSITION

9.72 SQ FT TOTAL

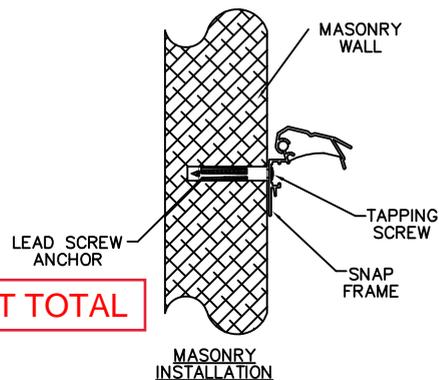
inside dimensions = (28"x44")  
outside dimensions = (30.25"x46.25")



— FIGURE 1 —  
OPENING FRAME MEMBERS



WOOD OR SHEET METAL  
INSTALLATION



MASONRY  
INSTALLATION

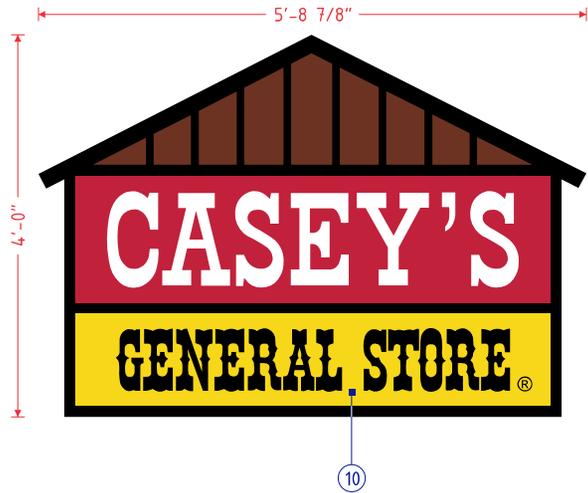
### STEP-BY-STEP INSTALLATION PROCEEDURE

- ① Open all four sides of the snap frame by pulling the inside edge of the frame up and out (see figure 1).
- ② Hold sign against the wall in desired position and mark hole locations on the wall through holes in the frame.
- ③ Set sign aside and drill or punch starting holes into wall: On wood or sheet metal walls, use 1-3/4" tapping screws only.  
  
On masonry walls, drill 5/16" holes into mortar (where possible) approx. 2" deep and insert lead expansion anchor until end is flush with the wall.
- ④ Hold sign against wall, align all holes and secure with screws.

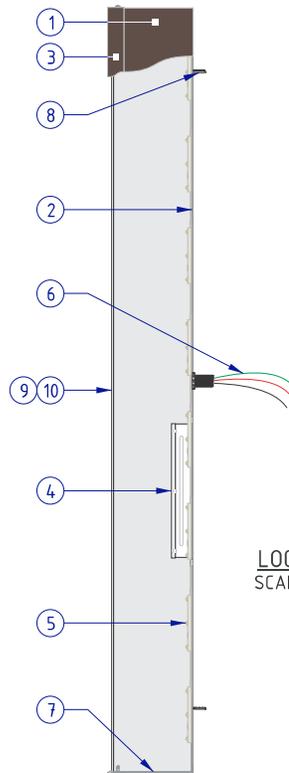
**STOUT.**  
| sign company |

A • DIVISION • OF • STOUT • INDUSTRIES  
FOR ASSISTANCE CALL: 1-800-325-8530

STDI-029  
2/28/06



GRAPHIC DETAIL  
SCALE: 1/2" = 1'-0"



LOGO PROFILE  
SCALE: 1" = 1'-0"

CASEY'S 4 X 5 CHANNEL LETTER LOGO SPECIFICATIONS	
NO.	PART/DESCRIPTION
1	.040" x 5" PREFINISHED BRONZE ALUMINUM RETURNS
2	.063" ALUMINUM BACK
3	1" BRONZE TRIM CAP
4	LED POWER SUPPLY AS REQUIRED
5	GE 7100K WHITE LED'S AS REQUIRED
6	ELECTRICAL OUT PROVISION: THRU BACK, CENTER
7	DRAIN HOLES AS REQUIRED
8	MOUNTING HARDWARE AS DETERMINED BY SITE CONDITIONS
9	.118" CLEAR SOLAR GRADE POLYCARBONATE FACE
10	SCREENED DECORATION (2ND SURFACE)

NOTES:

- EXTERIOR FINISH: PAINTED TO MATCH PMS 313 BRONZE
- INTERIOR FINISH: PAINTED REFLECTIVE WHITE
- FACE REMOVABLE FOR SERVICE ACCESS
- U.L. LISTED
- ELECTRICAL: .65 AMPS/120 VOLTS
- SQUARE FOOTAGE:  
 BOXED = 22.96  
 ACTUAL = 17.49

Customer:  
**CASEY'S GENERAL STORES**

Date:  
**01-18-18**

Prepared By:  
**RS/RA/AP/RA**

Note: Color output may not be exact when viewing or printing this drawing. All colors used are PMS or the closest CMYK equivalent. If these colors are incorrect, please provide the correct PMS match and a revision to this drawing will be made.

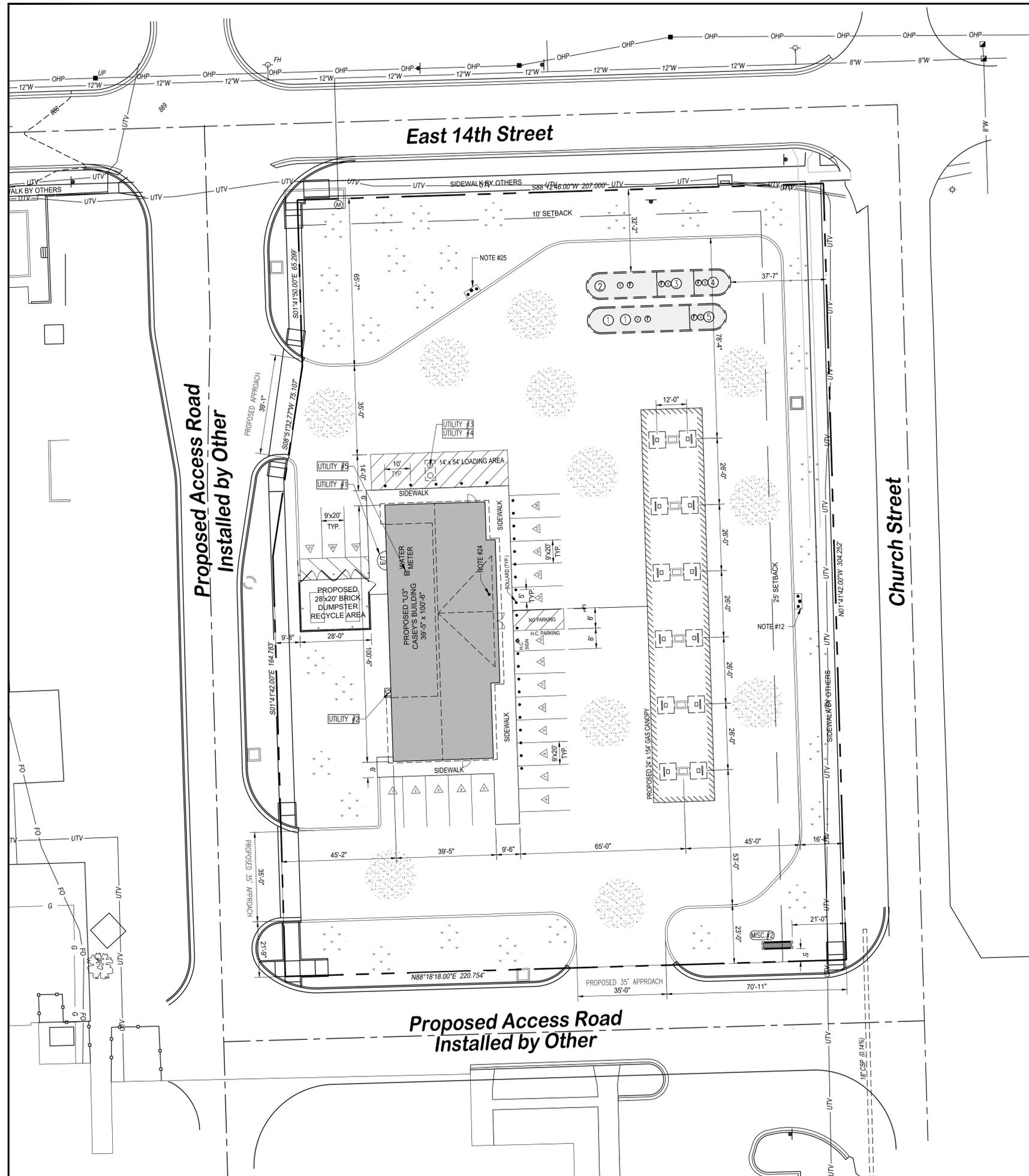
Item Number: CAS-48CLLEDITLOGOF-S

File Name:  
**CAS 4 X 5 SINGLE FACE LED CHANNEL LETTER LOGO**

Revision:  
**4**

**persona**  
SIGNS | LIGHTING | IMAGE

DISTRIBUTED BY SIGN UP COMPANY  
700 21st Street Southwest  
PO Box 210  
Watertown, SD 57201-0210  
1.800.843.9888 • www.personasigns.com



### U.G.S.T. Notes

- (F) FILL W/SPILL CONTAINMENT & OVERSPILL PROTECTION (TYP.)
- (1)(2)(3)(4)(5) TURBINE ENCLOSURE TYP. CONTAINS; SUB-PUMP W/LINE LEAK DETECTION. TANK PROBE FOR FUEL MONITORING, INTERSTITIAL SENSOR AND TANK SUMP SENSOR
- (V) VENT W/SPILL CONTAINMENT & EXTRACTOR  
SUMP SENSOR @ EACH DISPENSER.

### General Notes

1. RELATED SHEETS: FOR ADDITIONAL INFORMATION NOT DIRECTLY REFERENCED, SEE CIVIL PLANS DONE BY SBB ENGINEERING.

### Utility Notes

- UTILITY NOTE #1: ELECTRICAL (C-STORE); ELECTRICAL SERVICE ENTRANCE. ELECTRIC 3 PHASE, 800 AMP, 208 VOLTS, 4 WIRE. TELEPHONE 20 PAIR, 8 LINES.
- UTILITY NOTE #2: GAS (C-STORE); 1.5" SCHEDULE 40 IRON PIPE GAS SERVICE CONNECTION. CONNECTION LOAD IS 680 MBH. TOTAL CONNECTED LOAD IS 680,000 BTU 618 CUFT. HR. HOUSE PRESSURE IS 7" W.C.
- UTILITY NOTE #3: SANITARY SEWER (C-STORE); 6" SCHEDULE 40 PVC SANITARY SEWER CONNECTION.
- UTILITY NOTE #4: SANITARY SEWER (C-STORE); 1,000 GALLON BELOW GRADE GREASE INTERCEPTOR WITH 2 MANHOLES.
- UTILITY NOTE #5: WATER (C-STORE); 2" CTS, HDPE, SDR9 C5-200 PSI WATER SERVICE CONNECTION.

### Misc. Notes

- Misc. #1: DUMPSTER ENCLOSURE 6' HEIGHT BRICK TO MATCH BLDG. 4-6" METAL GATES AND 4" METAL SERVICE GATE
- Misc. #2: 4 PRODUCT MONUMENT PRICE SIGN - REFER TO SIGN PACKET

### General Construction Notes

- PETROLEUM:**
- 1.) 2 - 30,000 GALLON DOUBLE WALL FIBERGLASS TANKS.  
TANK 1 - 22,000 GALLON (87E)  
TANK 2 - 14,000 GALLON (DIESEL)  
TANK 3 - 8,000 GALLON (87C)  
TANK 4 - 8,000 GALLON (91C)  
TANK 5 - 8,000 GALLON (E85)
  - 2.) TANK SETTING DETAILS PAGE QF-301
  - 3.) FILL PIPE AND MANHOLE DETAIL PAGE QF-301
  - 4.) GILBARCO WIRING PAGE QF-601
  - 5.) GAS ISLAND SIZE - 3' x 5' W/DUAL GUARD PIPE
  - 6.) 6 - GAS GILBARCO 700 S DISPENSERS (BLENDED)  
2 = NG14 NOZZLES & 8 METERS EACH  
4 = NF8 4 OR 6 NOZZLES & 8 METERS EACH  
ISLAND DETAILS PAGE AL-501
  - 7.) ISLAND CONDUIT DETAIL PAGE E-602
  - 8.) DO NOT PLACE PRODUCT PIPING UNDER ISLAND
  - 9.) 18" MIN. FROM TANK PIPING TO FINISH SURFACE
  - 10.) RUN VENT LINES UP SEPARATE CANOPY COLUMN. VERIFY
  - 11.) ALL FUEL DISPENSERS FALL WITHIN A 100 FOOT RADIUS OF THE EMERGENCY SHUTOFF SWITCH LOCATED INSIDE AT THE SALES COUNTER FOR THE CONVENIENCE STAFF. A SECONDARY SHUTOFF SHALL BE INSTALLED ON A POST AT THE CURB IF ALL FUEL DISPENSERS DO NOT FALL WITHIN A 100 RADIUS.
- APPROACHES/CONCRETE:**
- 13.) DRIVEWAY JOINTS TO BE PACKED & CAULKED
  - 14.) CONCRETE DRIVE TROWELED WITH LIGHT BROOM FINISH
  - 15.) CONTROL JOINTS - MIN. 100 sq.ft. - MAX. 125 sq.ft. - 25% DEEP
  - 16.) CONSTRUCTION JOINTS - PINNED @ 0'C. 12" EACH WAY WITH 12" REBAR #4
  - 17.) APPROACHES TO BE 7" NON-REINFORCED OR AS PER STATE/CITY SPEC.
  - 18.) SLOPE MAX. 2% FOR BUILDING SIDEWALK. H.C. PARKING 1:50 ALL DIRECTIONS  
ALL ACCESS ISLE STRIPING AT 45 DEGREE ANGLE BEING MAX. 4" SEPARATION
  - 19.) 2% MAX. CROSS-SLOPE IN APPROACH/SIDEWALK AREA
  - 20.) 10" ROLL-OVER CURB TYP. - SEE STANDARD CIVIL DETAILS
  - 21.) CANOPY FOOTING: SIZE 8'-3" LENGTH x 8'-3" WIDTH x 3'-0" DEPTH.  
CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF FC-3000 p.s.i.  
CONCRETE REINFORCING: ASTM A-615 GRADE 60.  
REBAR CAGE: (8) #6 HORIZONTAL TIES LENGTH WISE TOP AND BOTTOM 12" MAXIMUM SPACING.
  - 22.) SIGN BASE AND DETAILS PAGE AL-601
- SITE ITEMS:**
- 23.) VERIFY ALL UTILITY LOCATIONS AND DIMENSIONS.
  - 24.) IRRIGATION REQUIRED WITH RAIN SENSOR MOUNTED ON BACK RAILING OF ROOF.
  - 25.) AIR COMPRESSOR BOX, MOUNTED TO STEEL POLE, INSTALLED ON 3' x 6' CONCRETE PAD 16" FROM BACK OF CURB. 110 VOLT-60HZ-5.5 AMP. 8 GAUGE MINIMUM RECOMMENDED.

### Keyed Construction Notes

- NOTICE: ALL WORK IN/ON THE R.O.W. AREA IS SUBJECT TO THE CITY OF EUDORA, KS. APPROVAL AND SPECIFICATIONS.
- (A) PROPOSED 20' RADIUS
  - (B) PROPOSED 10' RADIUS
  - (C) PROPOSED 2' RADIUS
  - (D) TIE INTO AND MATCH EXISTING PAVEMENT & FLOW LINE.
  - (E) 2% MAX. CROSS-SLOPE IN SIDEWALK AREA.
  - (F) DETECTABLE SIDEWALK MAT. VERIFY WITH CITY.

### Legend

- Legend**
- (Symbol) MARKED PARKING SPACES (PAINT LINES AS INDICATED)
  - (Symbol) CONCRETE PAVING OR SIDEWALKS (46,075 SQ. FT.)
  - (Symbol) AREA TO BE SOD
  - (Symbol) AREA LIGHTS (8 SHOWN) REFER TO LIGHTING PLAN RL-6516-S1-R2 DONE BY RED LEONARD

**Legend**

### Vicinity Map



- SPECIAL REQUIREMENTS:**
- "U3 STORE WITH SCREENING"
  - "BRICK FRONT OF BLDG"
  - "BRICK TRASH ENCLOSURE"
  - "4 PRODUCT MONUMENT SIGN"
  - "SELLER TO EXTEND ALL UTILITIES TO SITE"
  - "PROPOSED ACCESS ROADS BY OTHER"

<p><b>CASEY'S CONSTRUCTION DIVISION</b> One Convenience Blvd., P.O. Box 3001, Ankeny, IA 50021 515-965-6100</p>		
PROJECT	PUBLISHED	DRAWING INFORMATION
EUDORA, KS. U3 STORE	12-11-19 12-20-19 01-08-20 02-04-20	SITE PLAN
DRAWING INFORMATION	DRAWN BY	CHECKED BY
CONSTRUCTION DIVISION	J.VILMAIN	04-16-20 06-11-20
		<b>AL-101</b>



July 30, 2020

Barack Matite, City Manager  
City of Eudora  
4 E Seventh Street  
Eudora, KS 66025

Re: Casey's General Store – Southwest Corner of 14<sup>th</sup> Street and Church Street (Deviations Requested)

Mr. Matite:

Casey's Retail Company requests the below list of deviations from the Tenant Handbook for the Building Design for the Site Plan Approval for this project. Feel free to contact me with any questions.

1. Casey's is not a "Tenant". Thus, specific requirements for Tenants in any section are not being adhered to or do not apply.
2. Section 2, Page 1 – we are not creating "outdoor" rooms or using colonnades or trellises.
3. Section 2, Page 5 – Casey's exterior elevations do not look like the Concept Elevations.
4. Section 2, Page 7 – Casey's is not using any of the Architectural Details shown.
5. Section 2, Page 8, Exterior Building Materials Palette - Simulated Slate Tile Roof is not being used. We are using an asphalt shingle roof that looks like a slate roof.
6. Section 2, Page 8, Exterior Building Materials Palette – We are using a "shake" composite siding which is not pictured.
7. Section 3, Page 2, Required Exterior Building Materials – Simulated Slate Tile Roof is not being used. We are using an asphalt shingle roof that looks like a slate roof.
8. Section 3, Page 2, Required Exterior Building Materials – Decorative wall Sconces shall be Casey's standard.
9. Section 3, Page 2, Required Exterior Building Materials – We are not using Medallions or icons with Commercial Development Identity.
10. Section 3, Page 2, Required Exterior Building Materials – We do not have Internal gutters and downspouts.
11. Section 3, Page 2, Required Exterior Building Materials – We are using a "shake" composite siding which is not listed as an acceptable material.
12. Section 3, Page 3, Roofs - Simulated Slate Tile Roof is not being used. We are using an asphalt shingle roof that looks like a slate roof.
13. Section 5, Signage. Refer to Signage Package submitted for proposed signage requested.
14. Section 7, Sustainable Building Operations and Tenant Finish Considerations – We are not complying with anything in this Section.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeff Laubach".

Jeff Laubach, PE  
SBB Engineering, LLC

**SBB Engineering, LLC**

785.215.8630 | 785.215.8634 (F) | [www.sbbeng.com](http://www.sbbeng.com) | 101 South Kansas Avenue | Topeka, Kansas 66603  
785.260.2805 | 5040 Bob Billings Parkway | Lawrence, Kansas 66049

## **Memorandum**

**To:** Mayor and City Commission  
**From:** Ben Terwilliger, Executive Director, Eudora Area Historical Society  
**Date:** August 10<sup>th</sup>, 2020  
**Re:** Updates from the Eudora Area Historical Society

### **Background**

According to the “Memorandum of Understanding” executed between the City of Eudora and the Eudora Area Historical Society (EAHS), the Executive Director of the EAHS is required to present to the Mayor and City Commission twice annually. This presentation will be the second of two in 2020.

The Eudora Area Historical Society (EAHS) was first established in 1980 to “preserve and maintain the history of the city and township of Eudora and the surrounding communities of Clearfield, Fall Leaf, Hesper, Prairie Center and Weaver.” The Eudora Community Museum was opened by EAHS volunteers in the old Eudora Middle School building in 2004. In 2011, the City of Eudora hired Ben Terwilliger to serve as the first (and to date only) professional employee to work with the EAHS. In 2013, Douglas County provided additional funding to the EAHS which enabled Ben Terwilliger to become a full-time employee. In 2014, the EAHS became a registered 501c3 with the IRS. In 2015 the EAHS began operation of the Eudora Community Museum at the historic 720 Main Street in downtown Eudora.

### **Staff Comments**

#### ***(1) EAHS Overview:***

The primary goal and focus of the EAHS in 2020 has been the same goal and focus of recent years. Our main focus, our primary responsibility as an organization is to preserve our history, our culture, and our identity. As an organization, we strongly believe that understanding your community’s history helps foster civic pride and strengthens one’s relationship with his/her community. If we lose our history, we lose our identity. Therefore, all of our actions and projects reflect these larger goals.

#### ***(2) Impact of COVID-19 on the Eudora Community Museum***

On March 14<sup>th</sup>, the EAHS took the advice of The Douglas County Public Health and closed the Eudora Community Museum to the public as a result of the COVID-19 Pandemic. The museum remained completely closed to the public through June 4<sup>th</sup>. The EAHS was in close communication with other museums in Douglas County with regards to when to museums should reopen to the public. In general, the EAHS opened the Eudora Community Museum a few weeks before most area museums reopened, but, all area museums reopened around the same time. On June 5<sup>th</sup>, the EAHS reopened the Eudora Community Museum two days per week. On July 10<sup>th</sup>, the EAHS reopened the Eudora Community Museum to its normal five days per week.

When the EAHS reopened the museum on June 5<sup>th</sup>, it implemented a variety of rules and regulations

designed to protect visitors and staff, and to prevent the spread of COVID-19. The EAHS was and remains committed to making the Eudora Community Museum as safe of an environment as possible. It remains our strong conviction to protect everyone from spreading COVID-19 while on EAHS property. Starting on June 5<sup>th</sup> and remaining for the foreseeable future, the EAHS requires all visitors to the museum to wear facial coverings, and to maintain social distance at all times. In addition, our museum's archives and library has remained closed to the public. But, it is permissible for EAHS staff to look up information for visitors. No more than 10 visitors are allowed into the museum at any given time, our museum space is not very large, and in order to maintain social distance, we cannot allow more than 10 people in the museum. A list of the rules required to enter the Eudora Community Museum is provided in **Attachment I** of this document.

The museum is regularly cleaned. All sensitive areas are regularly disinfected. Before the museum reopened on June 5<sup>th</sup>, a deep clean of all museum property was completed by EAHS staff.

***(3) 2020 Museum Visitation, Programs and Events:***

As a result of the COVID-19 Pandemic, in-person visitation at the Eudora Community Museum is at an all-time low. This year (2020), it is likely that the EAHS will have its lowest annual visitation numbers since 2011. But, online visitation to our social media is at an all-time high. Analysis of online visitation to the museum and its social media is located in Section 5 of this document.

Please refer to **Attachment II** of this document to view the annual attendance figures at the Eudora Community Museum since 2004. Since 2004, 13,308 people have visited the museum (as of 08/01/20).

Research requests are handled by Ben through email correspondence primarily.

The EAHS hosted 56 in-person programs between March, 2011 and January, 2020. All visitors to the programs have been counted. 2,066 visitors have come to EAHS programs since 2011. The average attendance of an EAHS program in 2011 and in 2012 was 21. The average attendance for an EAHS program in 2019 was 42.

The EAHS March and May programs were cancelled because of the COVID-19 Pandemic. It is very unlikely that the EAHS will resume hosting in-person programs anytime soon. Instead, the EAHS has moved its programming online. The EAHS July program was live-streamed on our Facebook page, and it was uploaded to our Youtube page as well. The program has already been viewed over 1,100 times online. We plan to host our September and November programs exclusively online as well.

The next program will be on Thur. Sept. 17<sup>th</sup> at 7pm. The program will be sponsored by Humanities Kansas. The topic is "Free Did Not Mean Welcome" by Dr. Carmaletta Williams. The program explores the challenges and prejudices that early African-American settlers in Kansas endured. The EAHS has been intensely focused on exploring, discovering and sharing the history of Eudora's Black community on its social media this year.

The EAHS planned to host a party at the museum in 2020 to celebrate the 40<sup>th</sup> anniversary of the establishment of the EAHS. This party has been cancelled. At this party we planned to unveil the "donor

plaque” commemorating all of the people and organizations that contributed money, and volunteered labor, towards the rehabilitation of 720 Main Street. The unveiling of the plaque will not occur until it is once again safe to have in-person meetings/parties.

All Osher Institute classes scheduled to be hosted at the Eudora Community Museum this year have been cancelled. The Osher Institute would like to schedule classes at the museum again when it is safe.

The EAHS has been working closely with other Douglas County Museums on a new project for this Fall: “The Great Douglas County History Hunt,” scheduled for October. It is a campaign to promote the new Freedom’s Frontier National Heritage Area app. The EAHS is a partner site with Freedom’s Frontier. We will encourage the public to download the app, visit 12 specific sites around the county, earn the “badge” for doing so, and be entered in a drawing for prizes. The Eudora Community Museum will of course be one of the twelve stops.

#### ***(4) Collaboration with Eudora Schools:***

In February, the EAHS was happy to compile and create the research materials used by the 4<sup>th</sup> grade students in Ms. Chestnut’s class for their “Wax Museum” project of Historical Eudora figures. The “Wax Museum” program was on Feb. 11, 2pm, at the Eudora Elementary Cafeteria. The program was live-streamed on our Facebook page. The public was invited to attend.

In February, students from Eudora High School filmed a “commercial” at the museum! The students did a great job, the commercial can be viewed on Youtube and our Facebook page. Eudora High students made a great commercial for us! ([www.youtube.com/watch?v=whsB5C3vx1g](http://www.youtube.com/watch?v=whsB5C3vx1g))

In May, Ben was happy to participate in a Zoom meeting with Eudora Boy Scouts. The Boy Scouts were working on a Badge that required them to learn about the history of their hometown.

Perhaps the most important service the EAHS provides is educating Eudora students about the history of their hometown; this is largely achieved through field trips. Since in-person field trips are very unlikely for this upcoming school year, the EAHS will attempt to find a way to teach Eudora students about Eudora history in any other way possible. We are open to visiting the classrooms this Fall, if permissible, to teach Eudora history. We are open to online and virtual field trips as well. The EAHS and the Watkins Museum have jointly applied for a federal IMLS grant that would allocate funds to help us develop online learning and resources for local students (online field-trips).

#### ***(5) EAHS Facebook, Social Media and Web Presence:***

The EAHS is proud to have a strong presence on social media (Facebook, Twitter, Instagram). The EAHS currently has 3,059 followers on its Facebook page. Our Facebook page is by far one of the most popular and most followed in Eudora. Our Twitter page has 375 followers, our Instagram has 410 followers. Our social media posts are viewed by thousands of people each week. Our total number of followers on all social media platforms is: 3,844. Our social media success is unrivaled for a museum of our size. Eudora has a population 6,000, and our museum has nearly 3,000 followers. Whereas Johnson County has a population of 650,000, but their museum only has 4,000 followers on Facebook.

The fact that our social media is so popular is a testament to how much the Eudora community loves and cherishes its own history. The Eudora community has a strong interest in its history, in preserving history, in our museum and in our social media. The Eudora community craves information on the history of the community, and we are happy to meet the demand.

Since in-person programming and tours are not feasible, the EAHS has increased the number of online and virtual tours. The EAHS has thus far hosted three virtual live-tours on the EAHS Facebook page. The first tour covered the museum (2,700 views), the second tour covered historic downtown Eudora (6,500 views). The third live tour on the EAHS Facebook page was of Church Street, it proved to be the most popular one. Thus far, the Church Street tour has been viewed 7,100 times! All tours are also uploaded to Youtube. In the upcoming months, there are plans to make virtual tours of all Eudora Area communities (Clearfield, Fall Leaf, Hesper, Prairie Center, Weaver) and all Eudora Area cemeteries. The EAHS also hopes to make live-tours of the interior of historic buildings, if the owners grant us access.

The EAHS launched a “Story Contest” on the EAHS Facebook page last month. People were encouraged to submit a story on the post. The EAHS Board then selected the top three stories, and the EAHS issued prizes to the top three winners.

**(6) EAHS Membership:**

As of 08/01/2020, the EAHS has 228 total members. The EAHS has 61 life-members and 167 non-life members. We have gained 6 new Life-members since January 1, 2020. Life-memberships are very important sources of revenue for the operations of the EAHS. A life-time membership to the EAHS is \$200. While regular annual membership dues are \$10. However, a majority of our non-life members contribute more than \$10 a year in membership dues. Many members pay \$20, \$30, even \$50 a year in membership dues. They are not required to pay more than \$10, but, they pay more than \$10 because they appreciate and value the EAHS and all the hard work we do.

**Income from EAHS Membership Dues per Year:**

<u>Year</u>	<u>Total</u>	<u># of life</u>	<u>Non-life dues</u>
2010	\$160	Life (0): \$0	Non-life dues: \$160
2011	\$286	Life (1): \$100	Non-life dues: \$186
2012	\$124	Life (0): \$0	Non-life dues: \$124
2013	\$791	Life (2): \$200	Non-life dues: \$591
2014	\$1,170	Life (3): \$600	Non-life dues: \$570
2015	\$1,495	Life (1): \$200	Non-life dues: \$1,295
2016	\$1,150	Life (2): \$400	Non-life dues: \$750
2017	\$4,065	Life (10): \$2,000	Non-life dues: \$2,065
2018	\$3,140	Life (9): \$1,800	Non-life dues: \$1,340
2019	\$5,905	Life (15): \$3,000	Non-life dues: \$2,905
2020	\$3,915*	Life (6): \$1,200*	Non-life dues: \$2,715*

\* = as of 08/01/2020

**(7) EAHS Finances:**

**EAHS Banking Account Balances as of 08/01/2020:**

Grant (Building Rehab):	\$23,590.74
Savings (Endowment):	\$4,024.80
Checking (Operations):	\$1,511.07

**Total funds: \$29,126.61**

<b>2020 County Valuation of 720 Main Street:</b>	<b>\$255,020</b>
<b>Amount 720 Main Street is insured for:</b>	<b>\$434,000 (replacement cost of building)</b>

The EAHS has three banking accounts that are utilized for three different purposes. The EAHS Checking Account is used to finance the operational costs of the EAHS. The EAHS Grant Account is used to finance the large ongoing projects of the EAHS, which includes the rehabilitation of 720 Main Street and the future creation of the museum’s new “main exhibit gallery.” There is also an EAHS Savings Account that has not been used for years, and essentially serves as the museum’s Endowment.

The Pandemic has deeply impacted our ability to raise funds; we have had a big decline in donations and membership dues in 2020 when compared to 2019. As a result of the COVID-19 Pandemic, the EAHS is becoming even more conservative with its funds. The EAHS is planning to retain a safety-net of funds in reserve, that could keep the museum open in the event of loss of City or County funding. The EAHS is working on plans to create and grow an “Endowment” that could sustain the EAHS through financial hardships in the future.

In February, an anonymous charity donated \$1,000 to the EAHS in unrestricted funds. Randy and Kevin Reetz recently donated \$1,200 to the EAHS building rehabilitation efforts. In August, one of our most generous patrons, Patty Neis Johnston, donated \$500 to the EAHS.

The EAHS submitted its 2021 budget request to Douglas County in April. The EAHS requested \$14,605 for staff salary (to be paid to the City of Eudora). The EAHS also made a \$5,000 supplemental request for additional funds for staff salary (also to be paid to the City of Eudora). The supplemental request is unlikely to be funded as a result of the economic hardships brought on by COVID-19.

As of 06/01/20, we have received \$76.36 in Amazon Smile donations since Oct. 2018. On average we get a deposit from Amazon Smile of \$10.90 every 3-4 months. You can pick the EAHS as a charity when you purchase items on Amazon Smile. Amazon Smile is identical to Amazon, we recommend you always use the EAHS as your charity whenever you buy something on Amazon. The EAHS gets \$0.005 of every dollar you spend on Amazon Smile and direct to the EAHS.

Please refer to **Attachment III** with this Memorandum to view the investments that have been made into the Eudora Community Museum property at 720 Main Street.

***(8) Numerous Grant Applications:***

The EAHS has applied for more grants in 2020 than it has in any other year.

In March, the EAHS submitted two grant applications to the Douglas County Heritage Conservation Council. One grant requests funds for improvements at the museum, the total request for that grant is \$17,415. The second grant requests funds to research and install signage at the Southwest Cemetery; the total request for that grant is \$10,000. The EAHS was awarded \$5,000 in grant funding to rehab the building. Unfortunately, the EAHS was not awarded any funding to help rehabilitate the Southwest Cemetery.

In June, the EAHS applied for a CARES ACT relief grant from Humanities Kansas. We are pleased to share that we have been awarded a \$521 grant from Humanities Kansas. Funds from this grant are designated to help local Kansas museums, which have suffered financial difficulties as a result of the COVID-19 Pandemic. Our museum has lost out on probably hundreds, if not thousands of dollars in donations since the Pandemic started. Therefore, we are very grateful for the support from Humanities Kansas.

The EAHS recently applied for a federal “Cares Act” grant. The funds from this grant are dispersed to Douglas County, then to individual sites. Grant funds can be used to cover cleaning supplies and COVID related expenses. We requested money for cleaning supplies, hand-sanitizer dispensers and to hire professional cleaners.

In June, the EAHS partnered with the Watkins Museum to apply for a federal IMLS grant that would help both museum sites develop online learning resources for local students (online fieldtrips).

In July, the EAHS applied for a grant from Casey’s Corporate offices. The EAHS requested \$500 to help pay for much needed window coverings at the museum.

***(9) Miscellaneous Updates:***

The EAHS heartily thanks the Eudora Parks and Rec. Department for installing signs at all seven City of Eudora Parks that detail the history of the namesake of each park. The Eudora Area Historical Society was happy to write the content of the signs. But, Eudora Parks and Rec. gets most of the credit because they designed, purchased and installed the signs. We are incredibly grateful that the City of Eudora has named its Parks after historical Eudora Area figures! Not every community does this. By naming our community's parks after some of our notable and historical residents, we are keeping the history of that individual, and the community as a whole, alive and well.

All Douglas County History/Heritage museums have been meeting once per month via Zoom to discuss joint projects. These meetings have been productive as we have a number of projects we are currently collaborating on. This has been one positive development as a result of the COVID-19 Pandemic.

The Watkins Museum is launching a virtual exhibit on the Suffrage Movement in Kansas. Kansas was one of the first states that granted women the right to vote in 1912. Eudora has a direct connection to the Suffrage Movement. The Governor of Kansas when Suffrage was passed was Walter Stubbs. Stubbs was a Progressive and a strong supporter of women gaining the right to vote. Governor Stubbs grew up in

the Quaker community of Hesper in the Eudora Township. The EAHS will contribute a section on Governor Stubbs to the website.

Barbara Higgins-Dover, Director of the Kanas River-Kings Museum, has started to install exhibits from her museum on the second story of the museum. The EAHS is happy to give the Kansas River-Kings Museum a temporary home!

Ben was the guest on the KLWN (1320 AM) radio show Timeline, hosted by Clenece Hills, on May 4<sup>th</sup>. Ben used the opportunity to promote the EAHS, the Eudora Community Museum and downtown Eudora.

***(10) Museum Rehabilitation Progress:***

Our all-star volunteers Benny Dean and Bill Gordon finished installing trim in the museum before the COVID-19 Pandemic started.

Aaron Thakker has generously had his company start installing the final electrical connections on the 2<sup>nd</sup> story south for free. A few electrical connections still need to be made.

A portion of the museum's east exterior wall (on the 2016 addition), on the roof, was vandalized with spray paint, the vandalism spelled out "Logan Coop." Ben notified the police. Neighbors behind the museum also notified the police. The police were able to catch the two vandals on museum property; they were two children. Ben painted over the vandalism. 714 Main St and 732 Main Street were also vandalized. Hopefully, the vandals were sufficiently scared and will not return.

The EAHS has hired D&M Services to complete the exterior rehab work on the museum. The Douglas County Heritage Conservation Council grant funding will cover the costs of this project. D&M Services will repair and paint exterior wall plaster, and siding on the roof. Their bid is for \$4,800. They plan to start work at the museum between Sept. to Nov. The remaining \$200 from the HCC, combined with the Humanities Kansas grant award of \$521, will be used to purchase 52 track-heads and 53 light-bulbs for the 2<sup>nd</sup> story. Estimated total cost: \$700-\$800.

Window coverings are badly needed for 11 windows at the museum. New window coverings are needed for 8 windows at the museum. Obtaining grant funding for this project has not been possible. The EAHS plans to implement new fundraisers to raise the funds to purchase the necessary window coverings.

# **Attachment I:**

## **NEW RULES AND REGULATIONS FOR ALL VISITORS TO EUDORA COMMUNITY MUSEUM:**

### **Background Information:**

COVID-19 is a dangerous threat. The disease is and will always be taken very seriously by the Eudora Area Historical Society (EAHS). The EAHS is committed to making the Eudora Community Museum as safe of an environment as is possible. To that end, the EAHS will require that ALL visitors to the museum from this point forward abide by rules to help prevent the spread of COVID-19. The rules are listed below. It is our strong conviction to protect EAHS staff, Board members and visitors from spreading COVID-19 while on EAHS property. If a visitor is unwilling or unable to abide by the rules listed below, it is permissible to ask that visitor to leave EAHS property.

1. All visitors in the museum will be required to wear a mask while on museum property. Visitors are required to bring their own masks.
2. All visitors will be asked to disinfect their hands with wipes or hand-sanitizer when entering the museum.
3. All visitors will maintain social distance of 6 feet from EAHS staff at all times.
4. Visitors will be asked to not touch anything in the museum.
5. Visitors will not be permitted to handle any objects in the museum store, the museum's library collection, or the museum's archives collection. But, it is permissible for EAHS staff to look up information for visitors in the library and in the museum's archives. That information and/or archival materials can then be scanned and sent to visitors digitally via email.
6. Visitors will not be permitted to venture beyond the white duct tape, the duct tape blocks off the library, store, archives, and staff desk.
7. No more than 10 people will be allowed in the museum at any given time.

## Attachment II:

### Visitors by Year to the Eudora Community Museum:

Year	Number	Museum Location
2004	14*	10 <sup>th</sup> and Main Street
2005	32*	10 <sup>th</sup> and Main Street
2006	72*	10 <sup>th</sup> and Main Street
2007	96*	10 <sup>th</sup> and Main Street
2008	60*	10 <sup>th</sup> and Main Street
2009	117*	10 <sup>th</sup> and Main Street
2010	41*	10 <sup>th</sup> and Main Street
2011	354	10 <sup>th</sup> and Main Street, Nottingham School
2012	974	Nottingham School
2013	976	Nottingham School
2014	1,201	Nottingham School
2015	1,883	Nottingham School/720 Main Street
2016	1,307	720 Main Street
2017	2,660	720 Main Street
2018	1,434	720 Main Street
2019	1,761	720 Main Street
2020	460#	720 Main Street

Visitors 2004-2020: 13,308 (as of 08/01/20)

Visitors since 2011: 12,872 (as of 08/01/20)

\*The visitation figures from 2004-2010 are based on the number of people who signed-in to the museum visitor's book. It is possible more visitors visited the museum than only those who signed the book. However, there is no way to verify, because the total number of visitors to the museum were not officially recorded until Ben started to record the number of visitors in early 2011.

# as of 08/01/2020.

## **Attachment III:**

### **Investments and Improvements Totals Made to**

**720 Main Street, Eudora, KS**

**As of: 08/01/2020**

		% of Total
1. HCC Grants applied for and received:	\$207,570	30.3%
2. Other Grants applied for and received:	\$23,612	3.4%
3. All other total money from private donations:	\$55,164	8.0%
4. Non-monetary donations:	\$105,000	15.3%
5. Volunteer hours (8,310 x \$20 hour)	\$166,200	24.5%
6. Staff hours (6,350 x \$20 hour)	\$127,000	18.5%
<b>Total:</b>	<b>\$684,546</b>	<b>100%</b>

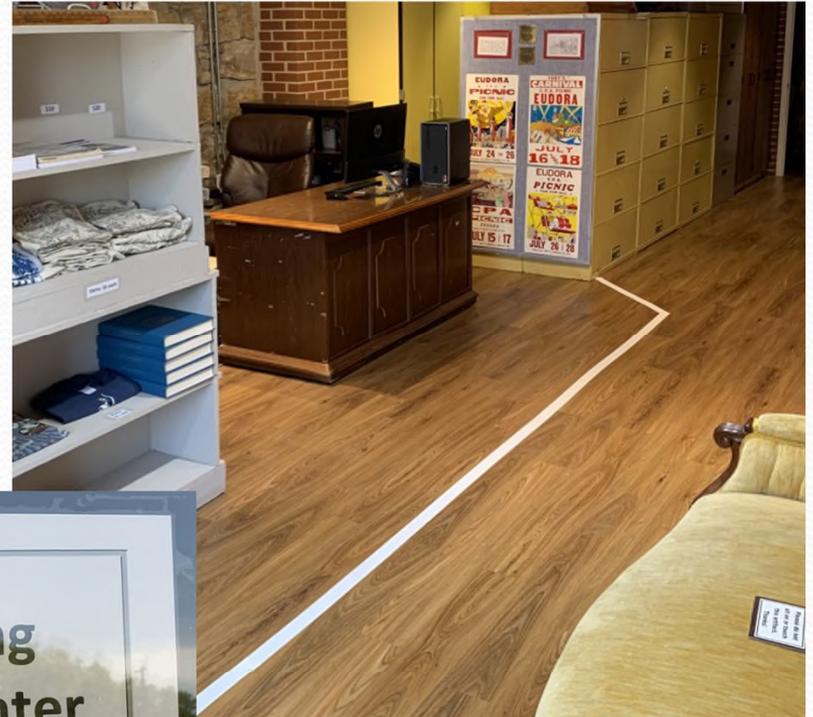
#### **The Future:**

It is estimated that the equivalent of \$730,000 will have been invested into the rehabilitation of 720 Main Street when the project concludes in Dec. of 2021.

# Presentation to the Eudora Mayor and City Commission

By Ben Terwilliger  
Executive Director  
Eudora Area Historical Society  
Aug, 10, 2020

# Impact of COVID-19



Face covering  
required to enter  
the museum.  
Thank you! 😊

# Rules/Guidelines for Museum Visitors

## **NEW RULES AND REGULATIONS FOR ALL VISITORS TO EUDORA COMMUNITY MUSEUM:**

### **Background Information:**

COVID-19 is a dangerous threat. The disease is and will always be taken very seriously by the Eudora Area Historical Society (EAHS). The EAHS is committed to making the Eudora Community Museum as safe of an environment as is possible. To that end, the EAHS will require that ALL visitors to the museum from this point forward abide by rules to help prevent the spread of COVID-19. The rules are listed below. It is our strong conviction to protect EAHS staff, Board members and visitors from spreading COVID-19 while on EAHS property. If a visitor is unwilling or unable to abide by the rules listed below, it is permissible to ask that visitor to leave EAHS property.

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6. Visitors will not be permitted to venture beyond the white duct tape, the duct tape blocks off the library, store, archives, and staff desk.
7. No more than 10 people will be allowed in the museum at any given time.

# Visitation to Museum 2004-

## Visitors by Year to the Eudora Community Museum:

Year	Number	Museum Location
2004	14*	10 <sup>th</sup> and Main Street
2005	32*	10 <sup>th</sup> and Main Street
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2011	354	10 <sup>th</sup> and Main Street, Nottingham School
2012	974	Nottingham School
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2014	1,201	Nottingham School
2015	1,883	Nottingham School/720 Main Street
2016	1,307	720 Main Street
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2018	1,434	720 Main Street
2019	1,761	720 Main Street
2020	460#	720 Main Street

Visitors 2004-2020: 13,308 (as of 08/01/20)

Visitors since 2011: 12,872 (as of 08/01/20)

# 2020 Programing: Virtual

 **Eudora Area Historical Society** was live. July 16 · 🌐

The Eudora Area Historical Society's (EAHS) July 2020 program was given by Mike Hadl, the topic was "The History of the Hadl Family in Eudora." EAHS Executive Director Ben Terwilliger also gave an "Executive Director's Report."



1,107 People Reached      667 Engagements      [Boost Post](#)

👍❤️ 22      15 Comments 8 Shares 927 Views

👍 Like      💬 Comment      ➦ Share      🌐

Most Relevant ▾

 Comment as Eudora Area Historical Society      😊 📷 GIF 🗨️

 **Linda Valentin** · 38:14 Wonderful Mike.. to know this material and to deliver it without a podium of NOTES!!!@!

👍 🗨️ 🌐 3

Like · Reply · 2w

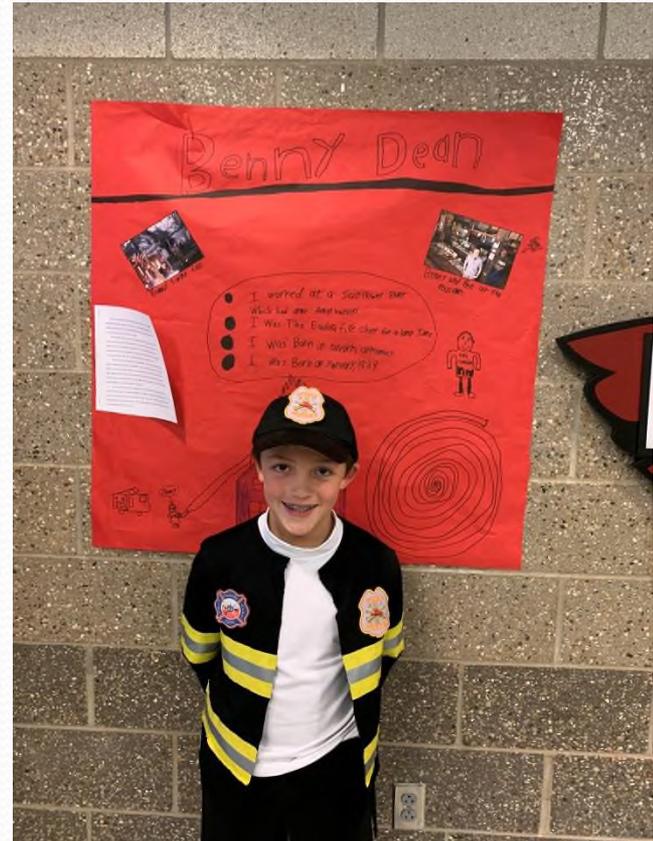
# Great Douglas County Hunt



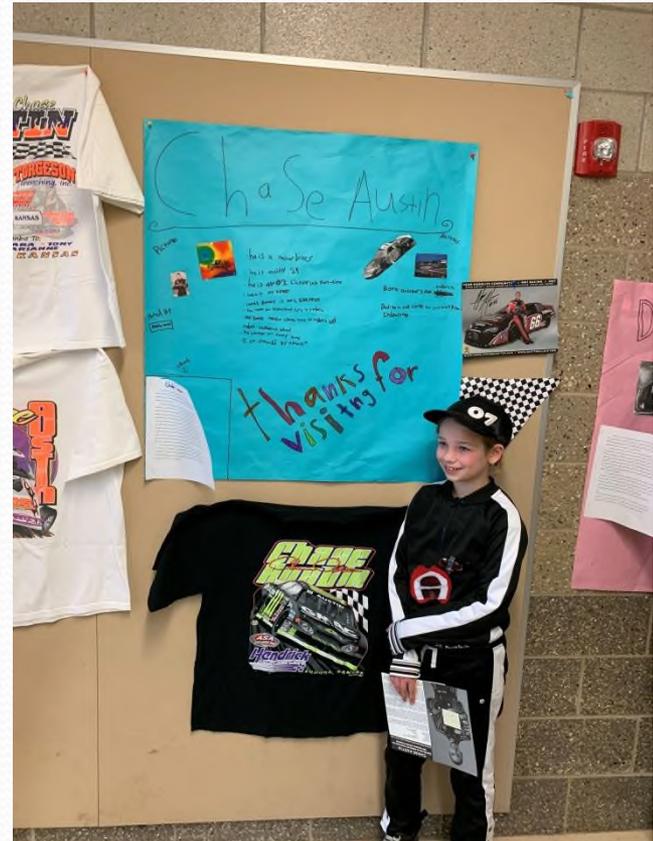
# 4<sup>th</sup> Grade Eudora Wax Museum



# 4<sup>th</sup> Grade Eudora Wax Museum



# 4<sup>th</sup> Grade Eudora Wax Museum



# EHS Students Museum Commercial



Ben Terwilliger  
Executive Director

Eudora Historical Society

69 views • Feb 6, 2020

👍 7    🗨️ 0    ➦ SHARE    📌 SAVE    ⋮



Cardinal Productions  
810 subscribers

SUBSCRIBED



# Social Media Success

**Eudora Area Historical Society**  
@EudoraCommunityMuseum

Home  
Community  
About  
Photos  
Events  
Videos  
Posts

Liked Following Share ...

Shop Now

39 video views this week

**Community** See All

2,920 people like this  
3,059 people follow this  
13 check-ins

**About** See All

Promote your business locally to lead people directly to 720 Main Street.

Promote Local Business

720 Main Street  
Eudora, KS 66025

**Emancipation Day Celebration.**  
The colored people of Eudora and vicinity will celebrate Emancipation day with a picnic in Durr's grove on Saturday, August 3. The affair is under the auspices of the A. M. E. church and Fortner's bank. The speakers will be J. P. Kendall of this place and G. W. Ellis and Herman Harvey of Lawrence. A ball game will be played between the Eudora colored team and a nine from Tonganoxie. There will be plenty of music, for in addition to the local band, the Rock Valley band will be present. The festivities will conclude a night with festivals in A. O. U. W. and city halls. The public are cordially invited to attend.

# Virtual Tours Very Popular

 **Eudora Area Historical Society** was live.  
May 12 · 🌐

Eudora Area Historical Society Executive Director Ben Terwilliger gives a virtual tour of historic Church Street in Eudora, Kansas on 05/12/20. Church Street, originally named "C Street" was home to most of the community's churches. The street was also home to businesses and some of Eudora's grandest and oldest houses. You can learn a lot about a community when you understand the history of its historic buildings. Please visit Eudora! Patron our local businesses, and admire our historical buildings!

City of Eudora, EudoraEvents, Eudora Chamber of Commerce, Eudora Community Library, The Eudora Times, Watkins Museum of History, Freedom's Frontier National Heritage Area, Inc.



**3,032** People Reached      **1,566** Engagements      [Boost Post](#)

  102      72 Comments 43 Shares 7.5K Views

 Like       Comment       Share      

 **Eudora Area Historical Society** was live.  
April 28 · 🌐

Eudora Area Historical Society Executive Director Ben Terwilliger gives a virtual tour of historic downtown Eudora on 04/28/20. Downtown Eudora is home to some of the oldest surviving buildings in Kansas, many of the current buildings in downtown Eudora were first built in the 1860s. You can learn a lot about a community when you understand the history of its historic buildings. Please visit downtown Eudora! Patron our local businesses, and admire our historical buildings!

"I'm sorry if it sounds like I'm yelling, I had to yell over the traffic!" -Ben

City of Eudora, EudoraEvents, Eudora Chamber of Commerce, Eudora Community Library, The Eudora Times, Watkins Museum of History, Freedom's Frontier National Heritage Area, Inc.



**2,954** People Reached      **1,290** Engagements      [Boost Post](#)

  61      39 Comments 45 Shares 6.5K Views

 Like       Comment       Share      

# EAHS Membership

## Income from EAHS Membership Dues per Year:

<u>Year</u>	<u>Total</u>	<u># of life</u>	<u>Non-life dues</u>
2010	\$160	Life (0): \$0	Non-life dues: \$160
2011	\$286	Life (1): \$100	Non-life dues: \$186
2012	\$124	Life (0): \$0	Non-life dues: \$124
2013	\$791	Life (2): \$200	Non-life dues: \$591
2014	\$1,170	Life (3): \$600	Non-life dues: \$570
2015	\$1,495	Life (1): \$200	Non-life dues: \$1,295
2016	\$1,150	Life (2): \$400	Non-life dues: \$750
2017	\$4,065	Life (10): \$2,000	Non-life dues: \$2,065
2018	\$3,140	Life (9): \$1,800	Non-life dues: \$1,340
2019	\$5,905	Life (15): \$3,000	Non-life dues: \$2,905
2020	\$3,915*	Life (6): \$1,200*	Non-life dues: \$2,715*

\* = as of 08/01/2020

# EAHS Financial Overview

## **EAHS Banking Account Balances as of 08/01/2020:**

Grant (Building Rehab):	\$23,590.74
Savings (Endowment):	\$4,024.80
Checking (Operations):	\$1,511.07
<b>Total funds:</b>	<b>\$29,126.61</b>

<b>2020 County Valuation of 720 Main Street:</b>	<b>\$255,020</b>
<b>Amount 720 Main Street is insured for:</b>	<b>\$434,000 (replacement cost of building)</b>

# EAHS Investments to 720 Main St.

## Investments and Improvements Totals Made to

720 Main Street, Eudora, KS

As of: 08/01/2020

		% of Total
1. HCC Grants applied for and received:	\$207,570	30.3%
2. Other Grants applied for and received:	\$23,612	3.4%
3. All other total money from private donations:	\$55,164	8.0%
4. Non-monetary donations:	\$105,000	15.3%
5. Volunteer hours (8,310 x \$20 hour)	\$166,200	24.5%
6. Staff hours (6,350 x \$20 hour)	\$127,000	18.5%
<b>Total:</b>	<b>\$684,546</b>	<b>100%</b>

### The Future:

It is estimated that the equivalent of \$730,000 will have been invested into the rehabilitation of 720 Main Street when the project concludes in Dec. of 2021.

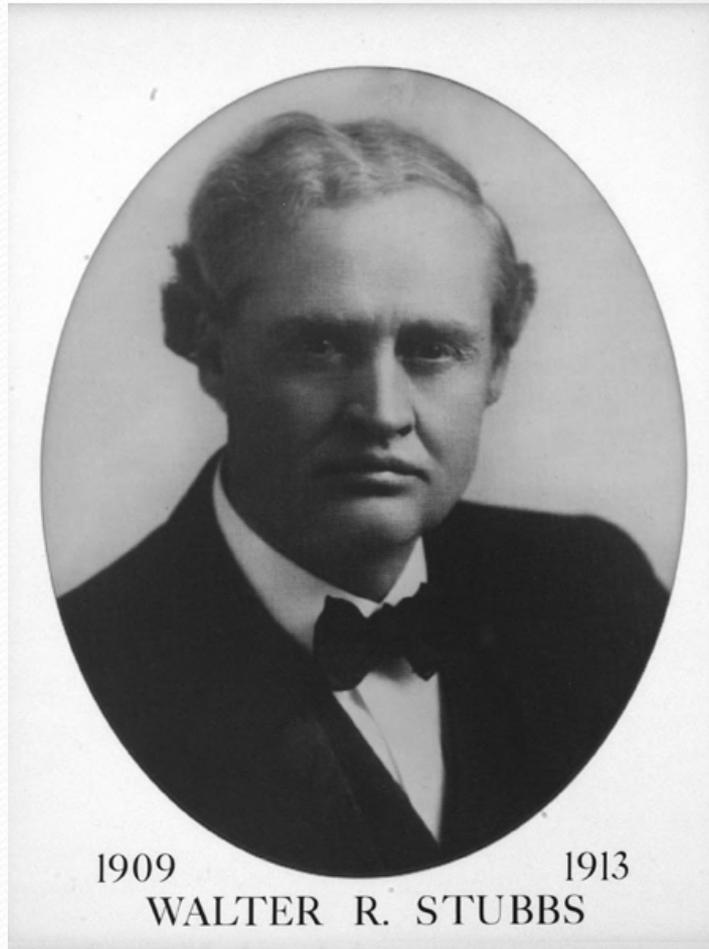
# EAHS 2020 Grant Applications

1. HCC Grant: Building Rehab
2. HCC Grant: SW Cemetery
3. Humanities Kansas CARES Act Relief Grant
4. IMLS Grant: Virtual-learning (field trips)
5. Federal COVID-19 Relief grant
6. Casey's Corporate grant

# Parks and Rec. Historic Signage



# Kansas Governor Stubbs and the Suffrage Movement



# Kansas River-Kings Museum



# Museum Vandalism



# Exterior Rehab Work



# Window Coverings Needed

Window Covering #6 (29.5in x 45.5in), one of this size:

Solar Shade

**\$98<sup>93</sup>**

**Brand**

Custom Home Collection

**Shown In**

Monterey 1% Cloud White  
N001



For color viewing purposes. Mount, cord & tilt options are not shown.



# Thank You! Questions?





## Agenda Statement

**Date:** August 10, 2020  
**To:** Mayor, Vice Mayor and City Commissioners  
**From:** Pam Schmeck, City Clerk  
**Re:** 8/11 Safe Digging Day Proclamation

### **Background**

Staff received a request from Aaron Bishop, Manager of Public Affairs at Atmos Energy, to support their ongoing efforts in raising awareness of the nationwide one-call number, 811. This easy to remember number should be called before you dig anything in your yard. Locating underground utilities before you dig helps prevent damage to utilities and prevent potentially serious or fatal injuries.

To assist Atmos Energy in celebrating August 11<sup>th</sup> as Underground Damage Prevention Day, along with encouraging the citizens of Eudora to call 811 before digging, Mr. Bishop asked the Governing Body to approve the enclosed proclamation.

Mr. Bishop will not attend Monday night's meeting. But I will send him the proclamation by email. He is very appreciative of the Governing Body's commitment to public safety by passing the proclamation.

**Budget Approval – N/A**

**City Manager Approval –**

### **Recommended Commission Action**

*Suggested Motion:* I move the City Commission approve the Proclamation proclaiming August 11, 2020 as Underground Damage Prevention Day.

*Office of the Mayor  
Eudora, Kansas*

# *Proclamation*

- WHEREAS,** *the leading cause of harm to underground facilities is excavation damage; and*
- WHEREAS,** *pipeline operators and underground facility owners are committed to raising awareness of underground damage prevention and safe digging practices; and*
- WHEREAS,** *dedication to safe digging practices helps prevent potentially serious or fatal injuries while keeping our environment clean and our utilities on without interruption; and*
- WHEREAS,** *the date of August 11 (8/11) corresponds to the nationwide one-call number, 811, which provides anyone planning to excavate a simple, easy way to contact the state underground notification center; and*
- WHEREAS,** *once a call is made to the one-call notification center, the appropriate underground facility operators are notified of the person's intent to dig. Professional locators are then sent to the requested digging site to mark the approximate locations of underground lines with flags, spray paint or both; and*
- WHEREAS,** *striking a single line can cause injury, repair costs, fines and inconvenient outages; and*
- WHEREAS,** *through the support of the pipeline industry, the nationwide 811 Day media effort promoting the Call Before You Dig program will air ads during the week of August 11<sup>th</sup>; and*
- WHEREAS,** *everyone should call 811 before digging; and*
- WHEREAS,** *City of Eudora supports these efforts to promote underground damage prevention and safe digging practices.*

**NOW, THEREFORE,** *I, Tim Reazin, Mayor of the City of Eudora, Kansas, and on behalf of the Eudora City Commission, do hereby proclaim August 11, 2020 as*

## ***UNDERGROUND DAMAGE PREVENTION DAY***

**IN WITNESS WHEREOF,** *I have hereunto set my hand and caused the Seal of the City to be affixed this 10<sup>th</sup> day of August, 2020.*

---

*Tim Reazin, Mayor*

---

*Date*

## **Memorandum**

**To:** Mayor and City Commission  
**From:** Branden Boyd, Public Works Director  
**Date:** August 10<sup>th</sup>, 2020  
**Re:** Main Lift Station – 7<sup>th</sup> & Oak

### **Background:**

The City of Eudora sewage treatment process contains two primary lift stations that serve all customers within the City other than the Pinecrest development. The two lift stations are the East and Main Lift Stations, located at 7<sup>th</sup> & Ash and 7<sup>th</sup> & Oak. The East Lift Station maintains all flows from the East Interceptor (which covers most sewer services on the East side of Eudora) and transports those flows into the Main Lift Station. The Main Lift Station transports flows from the Main Interceptor Sewer in addition to the East Lift Station directly to the Wastewater Treatment Plant.

In July 2008, the City received an engineering draft report, from BG Consultants, providing suggested recommendations and improvements for the East and Main Lift Stations based on future growth projections. (The report is attached for your reference.) The report evaluates each lift station and outlines future improvements that are necessary to maintain the sewage treatment process for the City of Eudora. The report also includes the costs associated with those improvements based on 2008 pricing. Recommendations include separating the East and Main Lift Stations and installing a new forcemain from the East Lift Station directly to the Wastewater Treatment Plant and increasing the size of the forcemain from the Main Lift Station to the Wastewater Treatment Plant. Electrical, control, pump replacement and back-up generator modifications were also included in the cost estimate.

In January of 2020, two of the three pumps and electrical controls in the Main Lift Station failed requiring emergency crews and contractors to make the necessary repairs to maintain the sewage flow to the Wastewater Treatment Plant. While making the necessary repairs to get the lift station operational, additional components, such as the main pump rails, piping, valves, and the wet well were found in need of immediate attention. The components of the Main Lift Station, such as the wet well, are original materials that have met and/or exceeded their life expectancy and are beginning to fail. The existing wet well is a brick manhole, and the bricks have lost their structural integrity which has caused the pump rails and piping to break free from the walls. Currently two of the three pumps are working in the Main Lift Station and the third pump is being repaired. Most components of a lift station have a life expectancy of nearly 20 years. The existing components of the two primary lift stations are original and are over 20 years old.

### **Staff Comments**

The City Commission has made it a priority to invest as much resources as possible into the City's infrastructure to address preventive maintenance, replacement, repairs, and future growth. Staff

has implemented preventative maintenance programs with the intent of maximizing the investments made in our infrastructure. Although improvements for the East and Main Lift Stations were slated for subsequent years, recent mechanical failures and dilapidated structures have required Staff to shift the priority level to immediate. As mentioned above, the East and Main Lift Stations serve the mass majority of the City's wastewater flows and any malfunctions could cause devastating results, including sewer back-ups into residential or commercial properties, health risks, negative financial impacts, contamination of streams, and substantial fines from the Kansas Department of Health and Environment (KDHE).

In addition to the essential improvements to the East and Main Lift Stations, KDHE has required additional improvements to all wastewater treatment facilities within the State of Kansas regarding chemical feed phosphorus treatment. KDHE is requiring all facilities implement a chemical feed system by the end of 2021. The chemical feed system was a part of the wastewater infrastructure report and is slated for the 2021 CIP.

The engineering draft report, mentioned above, estimated a cost of \$803,000 (2008 pricing) to make the necessary repairs to the East and Main Lift Stations. The estimate did not include replacing the brick wet well at the Main Lift Station or the chemical feed improvements to the Wastewater Treatment Plant. As such, the current estimate, including the chemical feed improvements, is \$1,800,000. (\$220,000 for the chemical feed, \$1,580,000 for the East and Main Lift Stations)

Staff requested design estimates from three different engineering firms, BG Consultants, Lamp Rynearson and CFS Engineers. All three firms are qualified and have worked for the City in recent years. Each firm was asked to include design fees for the chemical feed improvements to the Wastewater Treatment Plant. The design estimates received are as follows:

1. Lamp Rynearson - \$99,598.00 (Includes East & Main Lift Station upgrades and inflow metering upgrades at the plant, but does not include chemical feed improvement design costs)
2. B.G. Consultants - \$100,000.00 (Includes East & Main Lift Station upgrades and chemical feed improvement design costs)
3. CFS Engineers - \$102,900.00 (Includes East & Main Lift Station upgrades and chemical feed improvement design costs)

### **Staff Recommendations**

The City's wastewater treatment process is a vital and essential part of the City's infrastructure. Staff recommends making the necessary repairs to the East and Main Lift Stations including implementing a chemical feed phosphorus treatment system to comply with the 2021 KDHE requirement. Staff also recommends pursuing a contract for the design work with BG Consultants based on their historical involvement with the interceptor lines, lift stations and wastewater treatment plant. BG Consultants has the knowledge and experience with the City's infrastructure and will be able to move directly into the design work with minimal prep work. Their knowledge of the City's existing infrastructure should prevent oversights, additional design/construction fees and minimize the time required to complete construction documents that are field ready.

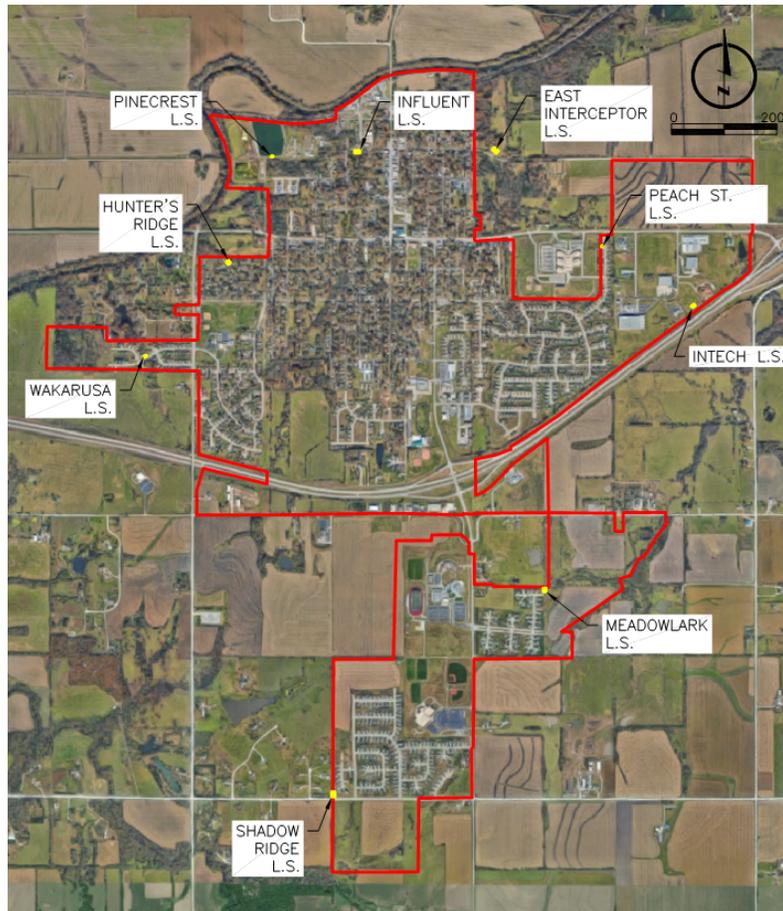
# City of Eudora, Ks

Wastewater Treatment and Collection System  
Preliminary Engineering Report

—  
LAMP  
RYNEARSON  
— — —

# City of Eudora Wastewater System

LAMP  
RYNEARSON



Leaving a Legacy

# City of Eudora Wastewater System



## **Preliminary Report reviewed:**

- Collection System – Pipelines
- Collection System – Pump Stations
- Treatment Facility

## **Evaluated:**

- Current Condition
- Current and Future Capacity
- Regulatory Requirements

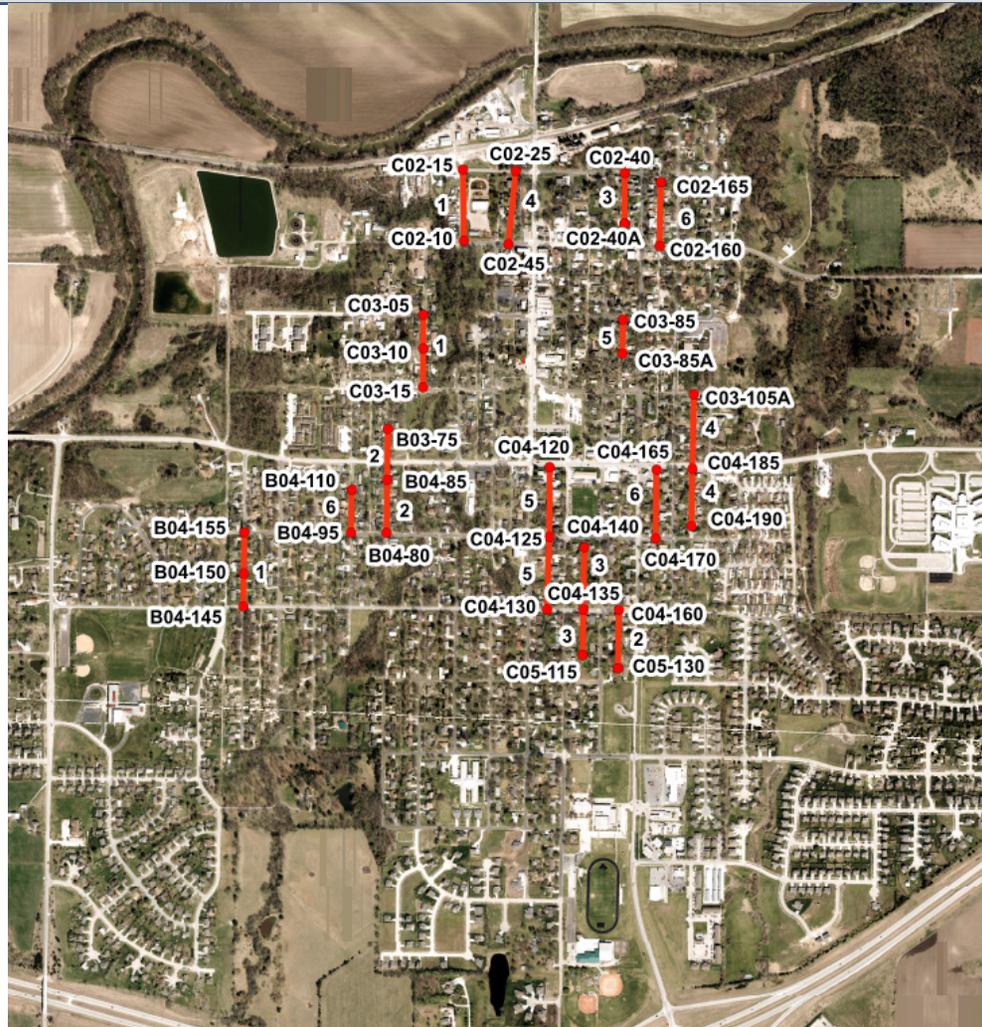
# City of Eudora Wastewater System



## Collection System - Pipelines

- A full CCTV (Camera Inspection) of the collection was performed in 2005.
- Based on industry standards, the City does not have a large inflow and infiltration (I/I) problem.
- General condition has likely deteriorated since the 2005 report.
- The 18 line segments designated to be in the poorest condition were recommended for replacement or repair.
- A large interceptor was proposed if growth warrants to the west of the City

# City of Eudora Wastewater System



# City of Eudora Wastewater System

LAMP  
RYNEARSON



Leaving a Legacy

# City of Eudora Wastewater System



## Collection System – Pump Stations

- Industry standard life for a pump station is approximately 25 years.
- Most of the submersible style pump stations are operating efficiently.
- The vacuum primed stations are recommended for replacement.
- The Peach Street, Meadowlark and Intech lift stations are recommended for replacement within 5 years.

# City of Eudora Wastewater System

Pump Station	Year Installed	Recommended CIP Replacement Date
Influent Station	1999	2030
East Interceptor	2004	2036
Pinecrest	2019	n/a*
Hunters Ridge	1972	2025
Wakarusa	1997	2027
Shadow Ridge	2003	2033
Meadowlark	1998	2023
Peach Street	1999	2020
Intech	1988	2021

\*The Pinecrest Pump Station is scheduled for replacement in 2019 and not recommended for replacement with the planning period.

# City of Eudora Wastewater System



## Wastewater Treatment Plant

- No real capacity concerns until 2031.
- WWTP would be at 80% capacity at that time
- KDHE implemented a limit for Phosphorus effective in 2022.
- No equipment currently in the system to effectively remove grit.

# City of Eudora Wastewater System

LAMP  
RYNEARSON



Leaving a Legacy

# City of Eudora Wastewater System



- Phosphorus is most efficiently treated by Alum and Ferric.
- Must be implemented prior to 2022 permit.
- Additional grit removal equipment will help operation
- Will improve life expectancy of equipment following

# City of Eudora Wastewater System



- Bar screen improvements in 2030.
- UV system improvements in 2025 unless performed by City staff.

# City of Eudora Wastewater System



Project	Implementation Year	Cost*
Collection System Upgrades - Phase 1	2020	\$ 677,700
Peach Street PS Upgrades**	2020	\$ 176,800
Total Phosphorus Addition**	2020/2021	\$ 438,000
Grit Chamber**	2020/2021	\$ 835,775
Collection System Upgrades - Phase 2	2021	\$ 535,100
Intech PS Upgrades**	2021	\$ 183,900
Collection System Upgrades - Phase 3	2022	\$ 270,200
Collection System Upgrades - Phase 4	2023	\$ 628,300
Meadowlark PS Upgrades	2023	\$ 198,900
Collection System Upgrades - Phase 5	2024	\$ 547,400
CCTV Inspection of Entire Sewer Network	2024	\$ 276,800
Collection System Upgrades - Phase 6	2025	\$ 126,900
Hunters Ridge PS Upgrades	2025	\$ 215,100
UV Upgrades	2025	\$ 573,200
West Interceptor	2025 to 2027	\$ 7,766,300
Wakarusa PS Upgrades	2027	\$ 232,700
WWTP Site Pumping	2029	\$ 715,300
Influent Station PS Upgrades	2030	\$ 406,900
Bar Screen Upgrades	2030	\$ 1,133,300
Existing WWTP Expansion	2031 to 2034	\$ 21,527,600
Shadow Ridge PS Upgrades	2033	\$ 235,900
East Interceptor PS Upgrades	2036	\$ 331,100
*Cost represents the cost at the implementation year noted		
**These projects are not recommended to be extend beyond the noted implementation year due to KDHE regulations and/or need		

# City of Eudora Wastewater System



## Next Steps/Recommendations

- Approve submittal of the Preliminary Engineering report to KDHE.
- Determine required improvements. Lamp Rynearson recommends the following:
  - Total Phosphorus Addition to WWTP (Perform in 2020)
  - Peach Street Improvements
  - Grit Chamber to WWTP
  - Intech PS Improvements
  - Meadowlark PS Improvements
- Determine appropriate sewer rate for users

# City of Eudora Wastewater System



- Sewer Rate Structure Options

	Current	Option 1	Option 2	Option 3	Option 4
Base	\$ 23.09	\$ 26.39	\$ 31.34	\$ 39.58	\$ 46.18
per 1,000 gal	\$ 4.35	\$ 4.97	\$ 5.90	\$ 7.46	\$ 8.70
<b>Total</b>	<b>\$ 700,000</b>	<b>\$ 800,000</b>	<b>\$ 950,000</b>	<b>\$ 1,200,000</b>	<b>\$ 1,400,000</b>
Additional Funds		\$ 100,000	\$ 250,000	\$ 500,000	\$ 700,000
Cost per User*	\$ 44.84	\$ 51.25	\$ 60.85	\$ 76.87	\$ 89.68
Percent Increase		14%	36%	71%	100%
* Cost per User based on 5,000 gallon per month consumption					

*EAST AND MAIN LIFT  
STATION EVALUATION  
AND RECOMMENDATIONS*

*DRAFT REPORT*

PREPARED FOR  
THE CITY OF EUDORA

JULY, 2008  
08-152L

City of Eudora, Kansas  
East and Main Lift Station Evaluation  
Draft Report  
July 2008  
08-152L

**Objective:**

The purpose of this report is to evaluate the performance of the existing East and Main Lift Stations with respect to current conditions and provide upgrade recommendations based on future population growth estimates.

**Outline:**

The report will follow the outline listed below:

1. Background
2. Analysis of East and Main lift stations as originally design
3. Analysis of East and Main lift stations as currently in operation
4. Current wastewater flow rates
5. Discussion of Current Conditions
6. Discussion of Future Population Growth
7. Facility Upgrade Recommendations
8. Conclusion
9. Improvements EOPC
10. Appendix A: Original Design System Head and Pump Curves
11. Appendix B: Current Conditions System Head and Pump Curves
12. Appendix C: Middle Interceptor Sewer Flow Monitoring Map and Capacity Summary
13. Appendix D: Population Growth Projections
14. Appendix E: Short Term Sewer Plan
15. Appendix F: Future Conditions East Lift Station System Head and Pump Curves
16. Appendix G: Lift Station Improvements Schematic
17. Appendix H: Main Lift Station Improvements Cost Estimate

**Background:**

The Main Lift Station is located at the intersection of 7<sup>th</sup> and Oak. This lift station transports sewer flows from the Main Interceptor Sewer and East Lift Station Forcemain to the Waste Water Treatment Plant (WWTP) via a forcemain with a combination of 10" and 14" diameters. The 10" forcemain is 1,150 ft long with a maximum flow capacity of 2,450 gpm. The 14" forcemain is 360 ft long with a maximum flow capacity of 4,800 gpm.

The East Lift Station is located on 7<sup>th</sup> Street just east of Ash Street. This lift station transports sewer flows from the East Interceptor Sewer to the Main Lift Station via an 8" forcemain. The 8" forcemain is 2,534 ft long with a flow capacity of 1,565 gpm.

Maximum flow capacity was determined on a limiting pipe velocity of 10 feet per second.

**Analysis of Original Design:**

**Main Lift Station:**

The Main Lift Station is comprised of 3 submersible non clog Flygt model CP3170.180 pumps controlled by Variable Frequency Drives (VFD'S). Two of the pumps are used to handle normal operational situations. The third pump is used for emergency high flow conditions or for maintenance rotation.

Analysis of the Main Lift station was done to verify firm pumping capacity. According to KDHE, firm pumping capacity is the amount of wastewater the lift station can handle with two pumps running at 100% speed. The City of Eudora Wastewater Treatment Plant plans and specifications dated November 1998 showed a firm pumping capacity of 2,083 gpm at 51 ft of Total Dynamic Head (TDH).

After analysis of the information provided from pump manufacturers, operational manuals, plans, specifications, and on site visits, design system head and pump curve graphs were generated. From this graph a range of flow versus head conditions were established and **a firm pumping capacity was determined to be 2,115 gpm at 57 ft of TDH for the Main Lift Station (See Appendix A).**

#### East Lift Station:

The East Lift Station is comprised of 3 submersible non clog Flygt model NP3153.180 pumps controlled by Variable Frequency Drives (VFD'S). Two of the pumps are used to handle normal operational situations. The third pump is used for emergency high flow conditions or for maintenance rotation.

Analysis of the East lift station was done to verify firm pumping capacity. The City of Eudora East Interceptor Sewer plans and specifications dated April 2004 showed a pumping capacity of 650 gpm for 1 pump at 100% speed. A firm pumping capacity, as originally designed, was not specifically noted in the plans and specifications.

After analysis of the information provided from pump manufacturers, operational manuals, plans, specifications, and on site visits, design system head and pump curve graphs were generated. From this graph a range of flow versus head conditions were established and **a firm pumping capacity was determined to be 930 gpm at 85 ft of TDH for the East Lift Station (See Appendix A).**

#### Analysis of Current Facility Conditions:

In order to determine whether the lift stations in place are adequate for the measured peak flows, current operational capabilities were determined. Several factors are involved with a reduction in lift station performance over years of operation. The main factors in performance reduction are the increasing roughness of the forcemain pipe interior and pump impeller wear. Including these factors along with the information provided from pump manufacturers, operational manuals, plans, specifications and on site visits provided the information needed to determine existing firm pumping capacities.

#### Main Lift Station:

The Main Lift Station has not undergone any additional upgrades since the original installation of the equipment. Therefore, applying the above mentioned aging factors, design system head and pump curve graphs were generated. From this graph a range of flow versus head conditions were established and **a current firm pumping capacity of 1,960 gpm at 61 ft of TDH was estimated for two pumps at 100% speed (See Appendix B).**

#### East Lift Station

The East Lift Station has not undergone any additional upgrades since the original installation of the equipment. Therefore, applying the above mentioned aging factors, design system head and pump curve graphs were generated. From this graph a range of flow versus head conditions were established and **a current firm pumping capacity of 850 gpm at 87 ft of TDH was estimated for two pumps at 100% speed (See Appendix B).**

#### Current Wastewater Flow Conditions:

Previous reports have been conducted for the City of Eudora on the East and Middle Interceptor sewers with information outlining flow conditions and population growth estimates. The data tables from these reports used in the following analysis are shown in Appendix C. Analysis of this data was performed and extrapolated to provide current flow conditions.

The peak flow condition observed in the middle interceptor sewer in July of 2004 was 1900 gpm. This flow was measured on manhole 12 which is located at the lower third of the Middle Interceptor Sewer line. A detailed plan of the middle interceptor sewer, showing the location of Manhole 12, capacity tables and flow measurement is located in Appendix C. The actual peak flow at the Main lift station during this event was estimated by increasing the recorded flow by an amount proportional to the number of users serviced by the lower 1/3 of the sewer line. The additional users accounted for an increase of 337 gpm which is approximately 27%. **Combining this data results in an estimated 2004 peak flow rate of 2,237 gpm at the Main Lift Station.**

Current 2008 peak wastewater flows entering the Main Lift station can be estimated using population growth information for the City of Eudora supplied by the 2005 Lawrence/Douglas County CHAT Report. This table is located in Appendix D. From the time the flow monitoring occurred in 2004 to current conditions in 2008, the population of Eudora has an estimated increase in population of 1,022 people. The increase in population equates to an additional 71,540 gpd using a wastewater production rate of 70 gallons per day per person. Assuming 70 percent of the new households are serviced by the Middle Interceptor Sewer, an additional flow rate of 104 gpm can be added to the 2004 flow rate of 2,413 gpm. **The 2008 peak flow rate to the Main Lift Station from the Middle Interceptor Sewer is 2,517 gpm.**

The City of Eudora has expressed the concern of the middle interceptor sewer line surcharging. It appears the surcharging effect in the gravity sewer line has slowed the inflow into the Main Lift Station allowing the pumps to handle the peak flows. As the phases of the Middle Interceptor Sewer are installed, the surcharging effect will become non existent and the lift station will experience the actual peak flows. Without any pump upgrades to the Main Lift Station, emergency pumping conditions will occur (3 pumps – 100% speed 2,350 gpm), which are still insufficient to handle peak events.

Previous reports prepared in 2004 estimated the peak flow entering the East Lift Station at 565 gpm. Current wastewater flows entering the East Lift station can be estimated using population growth information for the City of Eudora supplied by the 2005 Lawrence/Douglas County CHAT Report. From the time the flow monitoring occurred in 2004 to current conditions in 2008, the population of Eudora has an estimated increase in population of 1,022 people. The increase in population equates to an additional 71,540 gpd using a wastewater production rate of 70 gallons per day per person. Assuming 30 percent of the new households were serviced by the East interceptor sewer, an additional flow rate of 44 gpm can be added to the 2004 flow rate of 565 gpm. **The current peak flow rate for the East Lift Station is 610 gpm.**

A note of concern is the remote ability for a peak event, along with Inflow and Infiltration (I/I) to occur simultaneously in the East Interceptor Sewer and Main Interceptor Sewer. This would completely overwhelm the capacity of the Main Lift Station by approximately 780 gpm even under Main Lift Station emergency pumping conditions (2,517 gpm + 610 gpm – 2,350 gpm = 780 gpm).

#### **Discussion of Current Conditions:**

Currently the main lift station has the firm capacity of 1,960 gpm with an emergency pumping capacity of 2,350 gpm. Kansas Department of Health and Environment (KDHE) require peak flows to be transported within the firm pumping capacity of the two lead and lag pumps. The third pump is only to be used under emergency conditions or pump maintenance rotation. Peak flow rates are not considered an emergency condition. Reviewing the current flow conditions, the Main Lift Station is undersized by approximately 560 gpm (2,570 gpm – 1,960 gpm = 560 gpm).

Currently the East Lift Station has a firm pumping capacity of 850 gpm and a peak daily flow of 610 gpm. This results in an additional capacity of 240 gpm. This additional capacity, although available to the East Lift Station, is not able to be handled by the Main Lift Station, with current pipe configuration, during peak events. This topic is addressed in the next section.

### **Discussion of Future Development**

Reports have previously been conducted outlining the future development of the City of Eudora. The discussion of population growth and the upgrades needed to handle the additional flow will be limited to Anticipated Primary Development (APD) areas shown in Appendix E on the Short Term Sewer Plan. The estimated increase in peak sewer flow from the AP Areas 1-6 is approximately 420 gpm. **This results in a peak flow rate of 2,940 gpm for anticipated primary development.**

The east side of Eudora north of the K-10 Interstate is currently served by the East Lift Station. As stated earlier, the East Lift station currently has an additional capacity of 240 gpm. Although this firm pumping capacity exists, overall development growth is dependent on the main lift station improvements since the two lift stations are connected in series. Available development is addressed in the following section based on these improvements.

### **Discussion for Upgrades:**

The Main Lift station has two variables affecting its pumping capacity. The first is the existing 1,960 gpm capacity of the submersible pumps and the second is the 2,450 gpm capacity of the 10" forcemain. In order to increase the capacity of the Main Lift Station to accommodate the future development as outlined above a two part simultaneous improvement needs to occur. **First, the existing pumps will be replaced with new pumps having a firm pumping capacity of 2,940 gpm. Second, the forcemain between the Main Lift Station and the WWTP will be upgraded to 14" diameter along the entire length. The East Lift station forcemain will also be reconfigured to by-pass the Main lift station with 10" diameter pipe and connect to the already existing 10" pipe which is directly connected to the WWTP.** This new forcemain configuration will separate the East and Main forcemains ultimately increasing capacity and eliminating the undesirable configuration of double pumping as seen in Appendix G.

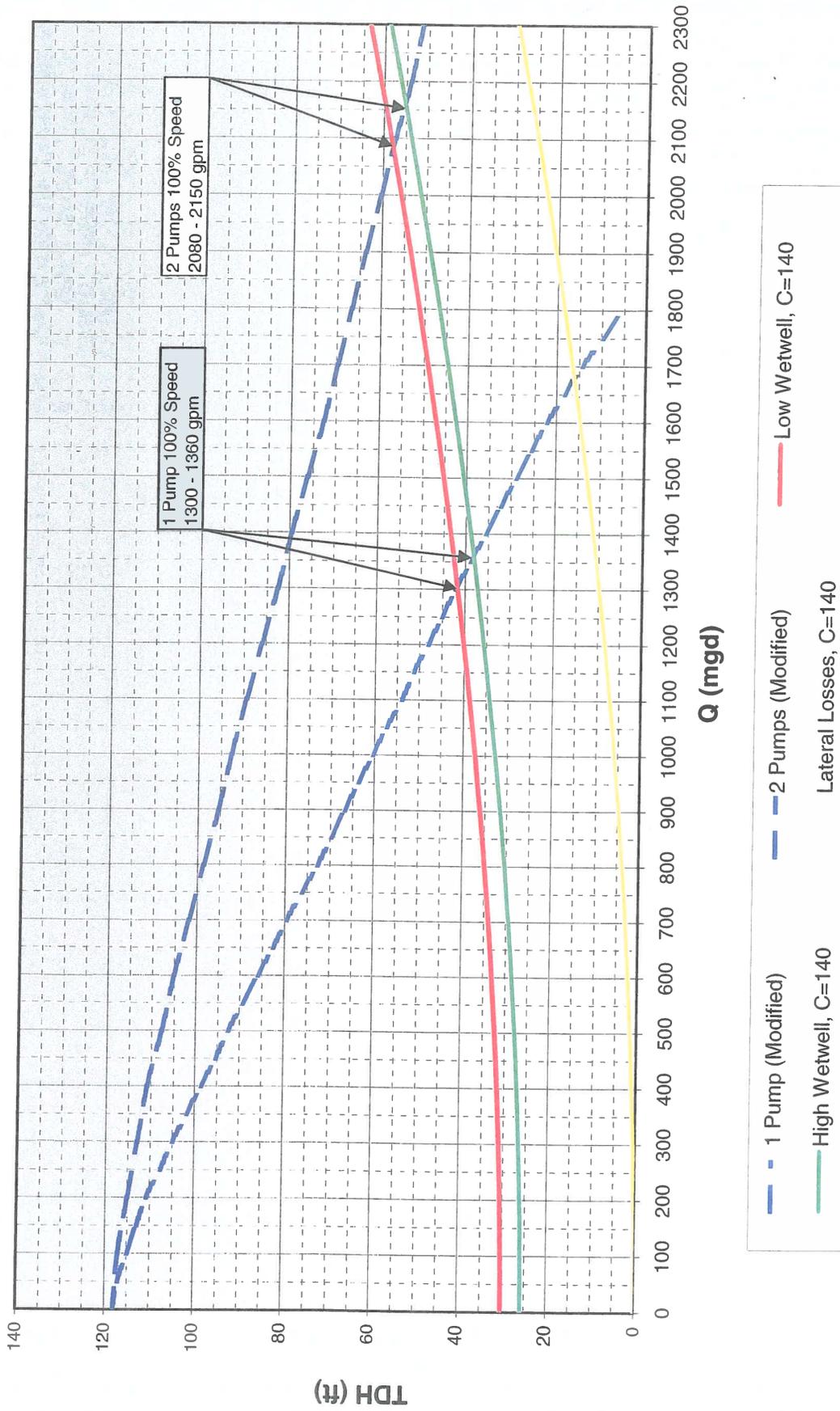
The East Lift Station is currently operating within its firm pumping capacity of 850 gpm. It should be noted, the firm pumping capacity of the East Lift station will be reduced when the forcemain reconfiguration, as outlined above, is constructed. The East Lift station will be required to transport wastewater an additional 1,350 ft to the WWTP through 8" and 10" diameter pipes reducing the firm pumping capacity to 770 gpm shown in Appendix F. After the forcemain reconfiguration occurs additional development along the K-10 Interstate corridor will be acceptable, but continued flow monitoring will be necessary to determine when lift station upgrades need to occur.

### **Conclusion:**

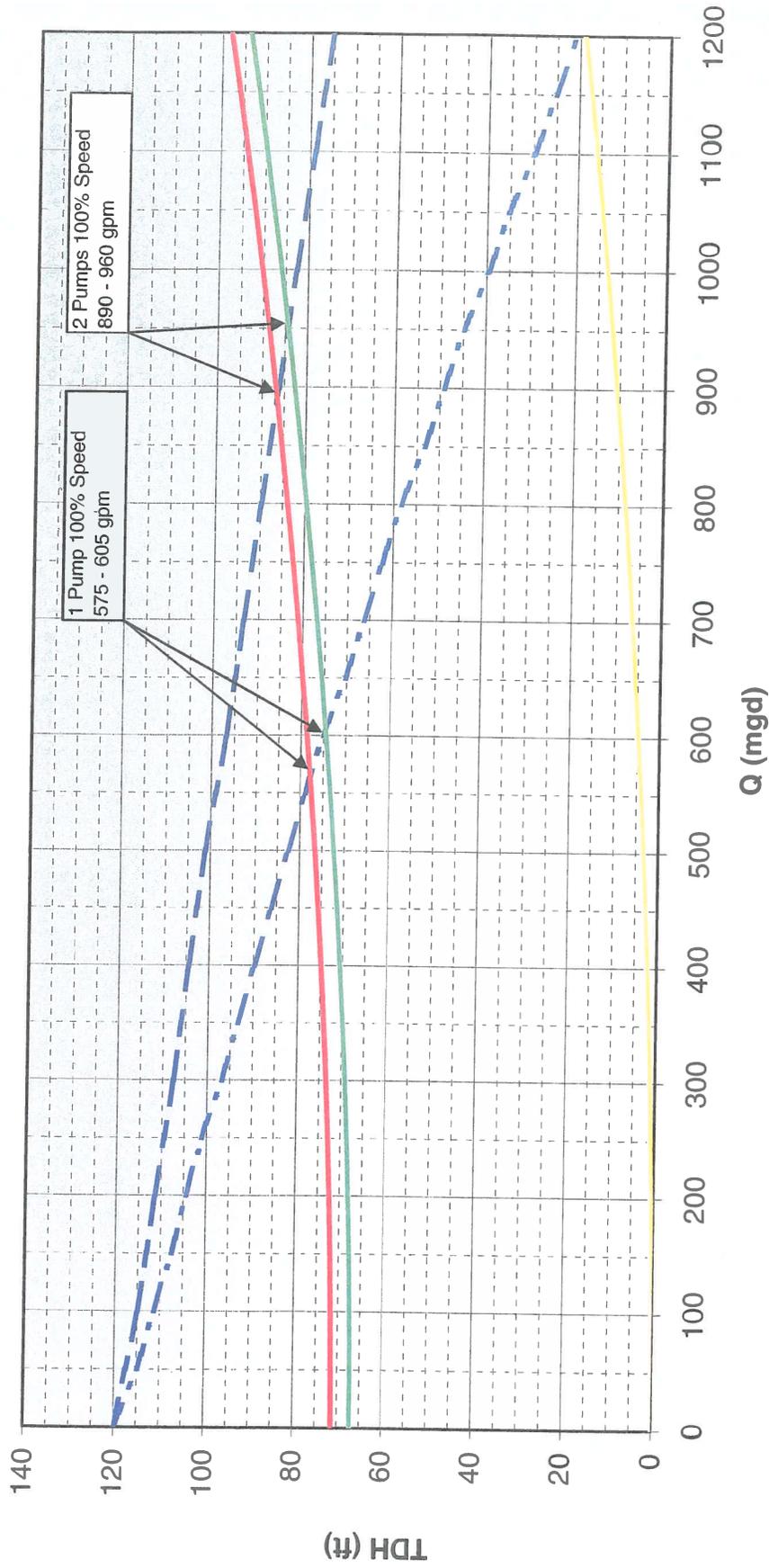
This report has analyzed the original design of the East and Main Lift stations, assessed the current operational conditions, outlined the current demand on these facilities based on monitored flows, projected future demand on the pumping facilities and provided upgrade recommendations to safely handle future anticipated growth.

Appendix A  
Original Design System Head and  
Pump Curves

**Eudora Main Lift Station  
Design System-Head and Pump Curves  
Flygt Model CP3170.180**



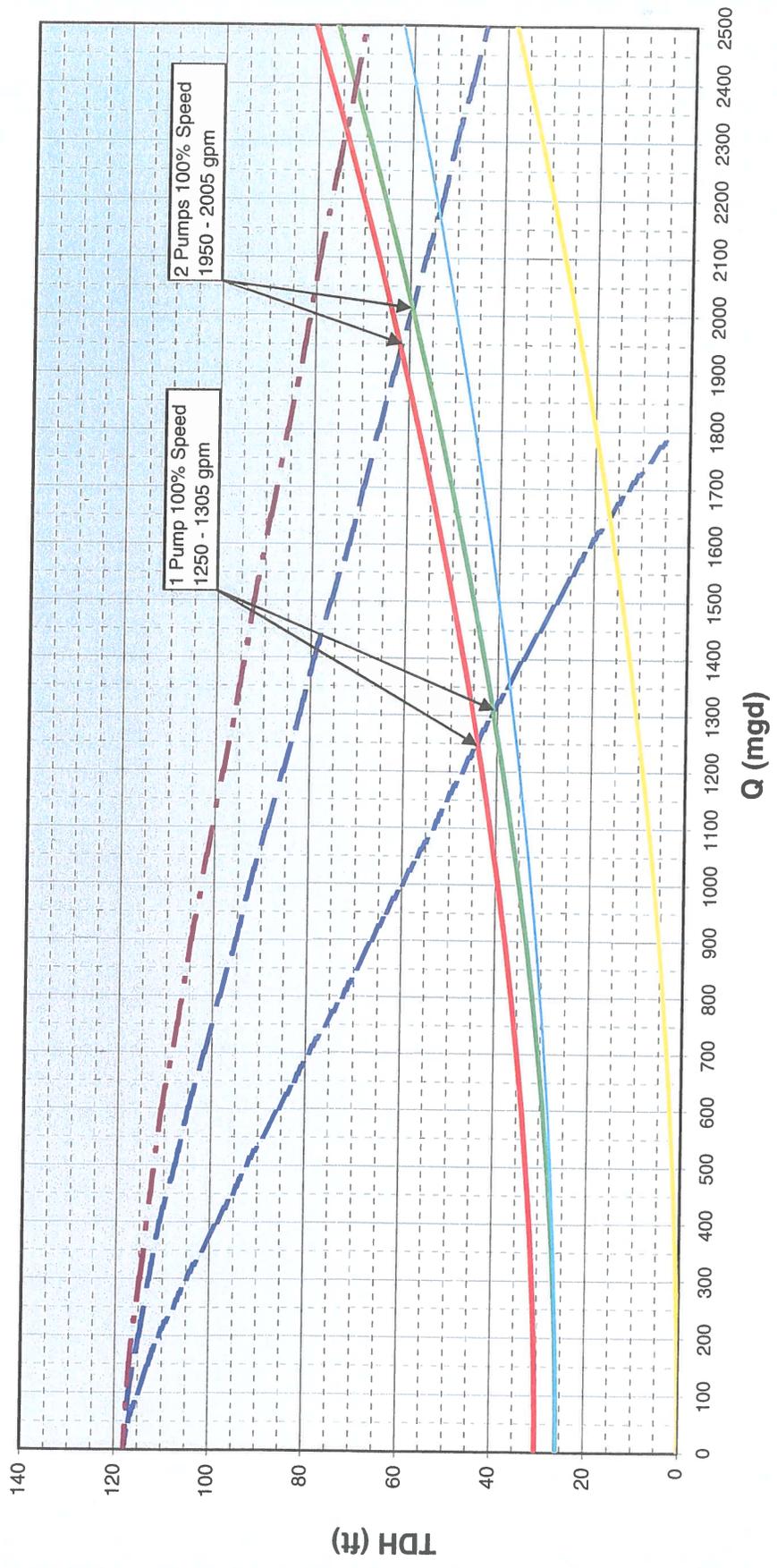
Eudora East Lift Station  
 Design System-Head and Pump Curves  
 Flygt Model NP3153.180



- 1 Pump (Modified)
- 2 Pumps (Modified)
- High Wetwell, C=140
- Low Wetwell, C=140
- Lateral Losses, C=140

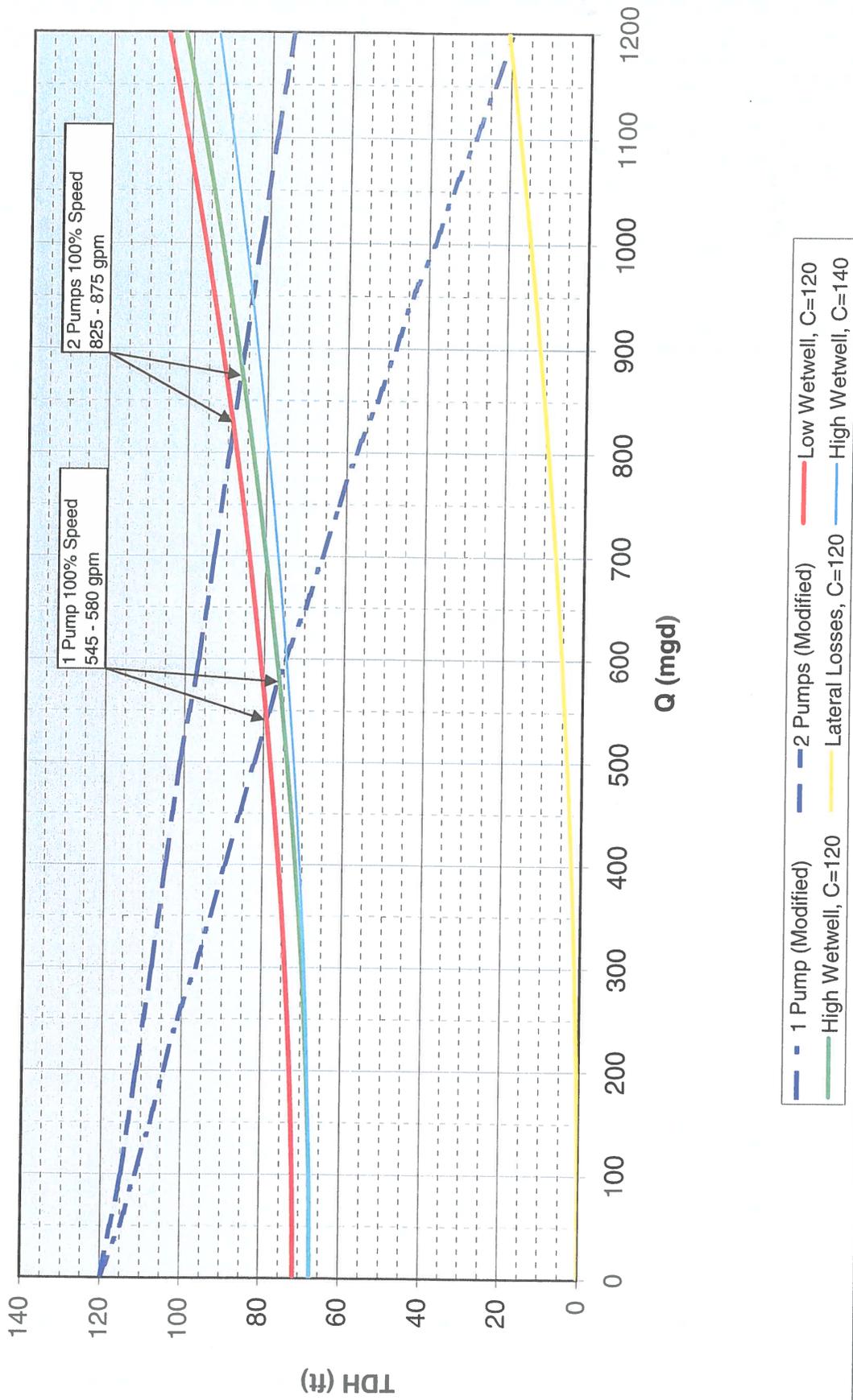
Appendix B  
Current Conditions System Head and  
Pump Curves

**Eudora Main Lift Station**  
**Current Conditions System-Head and Pump Curves**  
**Flygt Model CP3170.180**



- 1 Pump (Modified)
- High Wetwell, C=120
- - 3 Pumps (Modified)
- - 2 Pumps (Modified)
- Lateral Losses, C=120
- Low Wetwell, C=120
- High Wetwell, C=140

Eudora East Lift Station  
 Current Conditions System-Head and Pump Curves  
 Flygt Model NP3153.180

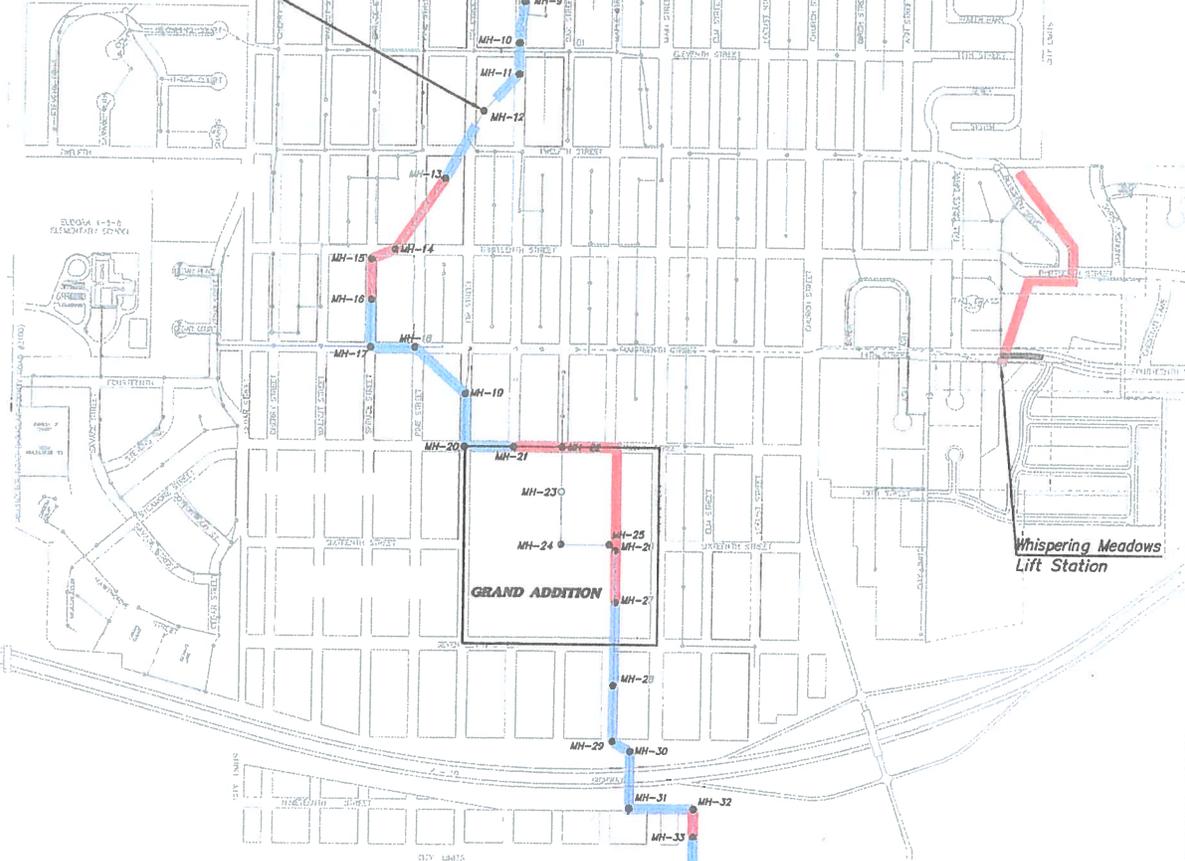


Appendix C  
Middle Interceptor Sewer Flow  
Monitoring Map and Capacity  
Summary

# City of Eudora, Ks. Middle Interceptor Sewer

## Middle Interceptor Sewer Flow Monitoring Map

Flow Monitoring  
Location



- Legend**
- Existing 4" Sewer Line
  - Existing 6" Sewer Line
  - Existing 8" Sewer Line
  - Existing 10" Sewer Line
  - Existing 12" Sewer Line
  - Existing 15" Sewer Line
  - 2004 Improvements
  - Major Improvements

MEADOWLARK  
SUBDIVISION



Not To Scale



03-003L

### Middle Interceptor Sewer Capacity Summary

Sewer Line	Size (in)	Sewer Capacity + 10% (gpm)	Projected Use (gpm)	Remaining Capacity (gpm)
MH M42 to MH M41	8	440	5	435
MH M41 to MH M40	12	1409	5	1404
MH M40 to MH M39A	15	1482	829	654
MH M39A to MH M39	15	1584	829	756
MH M39 to MH M38	15	1584	829	756
MH M38 to MH M37	12	877	841	35
MH M37 to MH M36	12	1004	841	162
MH M36 to MH M35	12	895	841	54
MH M35 to MH M34	12	882	841	41
MH M34 to MH M33	12	914	841	73
MH M33 to MH M32	18	2077	848	1229
MH M32 to MH M31	12	1477	848	629
MH M31 to MH M30	12	1599	848	751
MH M30 to MH M29	12	977	848	129
MH M29 to MH M28	12	1551	848	703
MH M28 to MH M27	12	2125	848	1277
MH M27 to MH M26A	21	3189	848	2342
MH M26A to MH M26	21	3636	848	2789
MH M26 to MH M25A	21	3189	848	2342
MH M25A to MH M25	21	2853	848	2005
MH M25 to MH M24	21	2853	857	1995
MH M24 to MH M23	21	2853	859	1994
MH M23 to MH M22	21	2853	860	1992
MH M22 to MH M21	21	2853	867	1986
MH M21 to MH M20	12	1775	893	882
MH M20 to MH M19	12	1665	895	770
MH M19 to MH M18	12	1954	896	1058
MH M18 to MH M17	12	1952	898	1054
MH M17 to MH M16	12	1514	1219	294
MH M16 to MH M15	21	6339	1221	5118
MH M15 to MH M14	21	6339	1221	5118
MH M14 to MH M13	21	6339	1221	5118
MH M13 to MH M12	12	1236	1237	-1
MH M12 to MH M11	12	1479	1237	242
MH M11 to MH M10	12	2314	1237	1077
MH M10 to MH M9	12	1240	1241	-1
MH M9 to MH M8	12	1219	1241	-22
MH M8 to MH M7	15	1371	1241	130
MH M7 to MH M6	15	1381	1241	141
MH M6 to MH M5	15	1236	1241	-5
MH M5 to MH M4	15	1236	1241	-5
MH M4 to MH M3	15	1232	1241	-9
MH M3 to MH M2	15	1298	1241	58
MH M2 to Main Lift Station	15	1993	1574	418

**Legend**

2004 Improvements  
 Future Improvements

Table 5-Existing Conditions

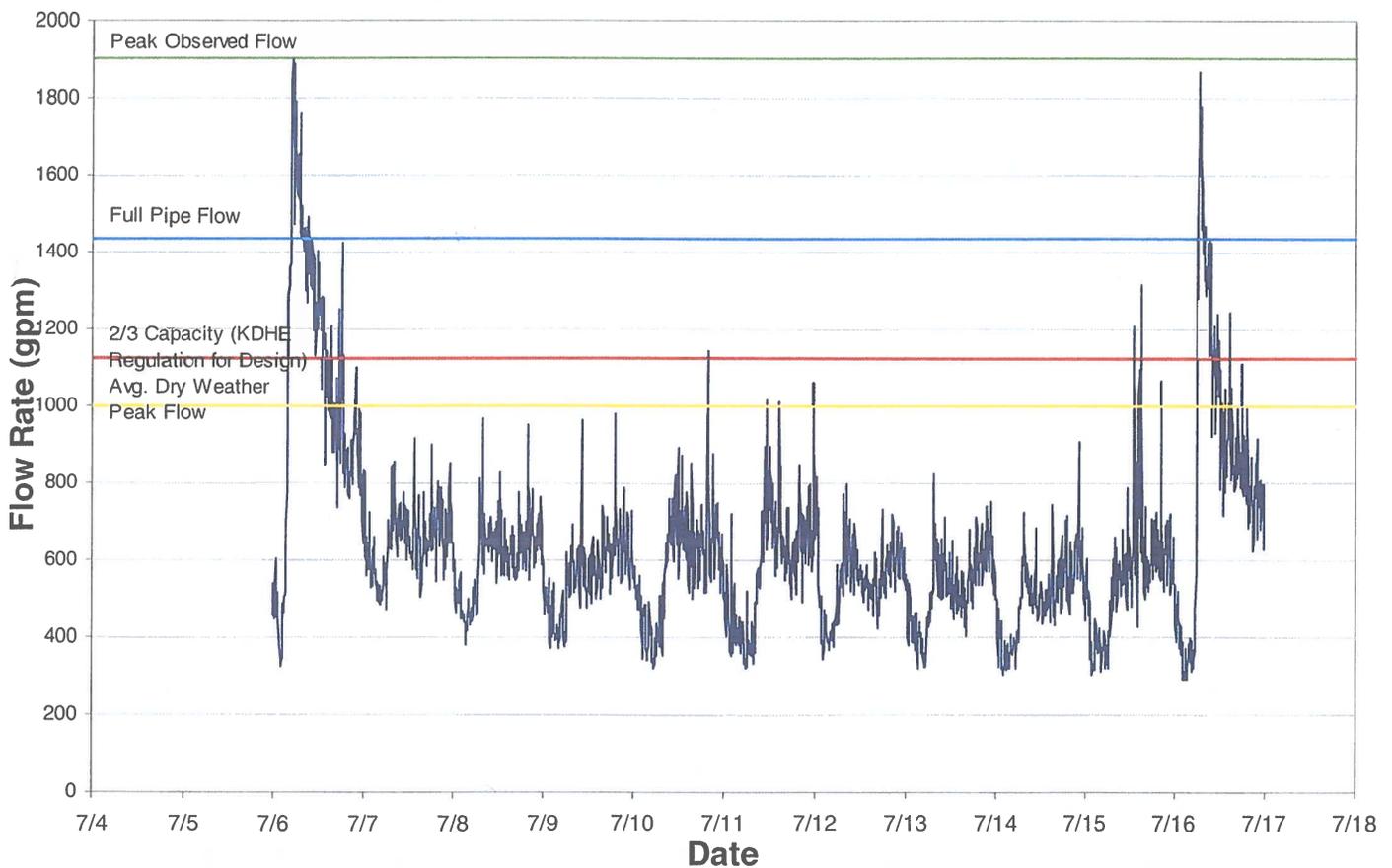
### East Interceptor Sewer Capacity Summary

Sewer Line	Size (in)	Sewer Capacity (gpm)	Projected Use (gpm)	Remaining Capacity (gpm)
MH E29 to MH E28	12	1176	31	1146
MH E28 to MH E27	12	1178	36	1142
MH E27 to MH E26	12	1176	43	1133
MH E26 to MH E25	12	1129	43	1086
MH E25 to MH E24	12	1328	267	1061
MH E24 to MH E23	12	1123	396	728
MH E23 to MH E22	12	1256	396	860
MH E22 to MH E21	15	1689	396	1293
MH E21 to MH E20	15	1689	396	1293
MH E20 to MH E19	15	1689	396	1293
MH E19 to MH E18	15	1689	396	1293
MH E18 to MH E17	15	1689	396	1293
MH E17 to MH E16	15	1689	396	1293
MH E16 to MH E15	15	1689	396	1293
MH E15 to MH E14	15	1689	396	1293
MH E14 to MH E13	15	1689	396	1293
MH E13 to MH E12	15	2321	538	1783
MH E12 to MH E11	15	2266	538	1728
MH E11 to MH E10	15	2289	538	1751
MH E10 to MH E9	15	2304	538	1766
MH E9 to MH E8	15	1828	538	1290
MH E8 to MH E7	18	2914	565	2349
MH E7 to MH E6	18	2881	565	2316
MH E6 to MH E5	18	2806	565	2241
MH E5 to MH E4	18	2951	565	2386
MH E4 to MH E3	18	2898	565	2332
MH E3 to MH E2	18	2901	565	2335
MH E2 to MH E1	18	2936	565	2370

Section 3   
 Section 2   
 Section 1

Table 9-Existing Conditions

# Middle Interceptor Flow Summary (7-6-04 to 7-16-04)



- Similar results can be expected in the East Interceptor

Appendix D  
Population Growth Projection

<b>Eudora, Kansas</b>					
<b>Population Growth Projections &amp; Sewer Flows</b>					
<b>Year</b>		<b>4.80% Growth</b>	<b>Sewer Flows GPD</b>	<b>5.10% Growth</b>	<b>Sewer Flows GPD</b>
2000	census	4107	287,490	4107	287,490
2001		4304	301,280	4316	302,120
2002		4511	315,770	4537	317,590
2003		4727	330,890	4768	333,760
2004		4954	346,780	5011	350,770
2005		5192	363,440	5267	368,690
2006	current	5441	380,870	5535	387,450
2007	1	5702	399,140	5818	407,260
2008	2	5976	418,320	6114	427,980
2009	3	6263	438,410	6426	449,820
2010	4	6564	459,480	6754	472,780
2011	5	6879	481,530	7098	496,860
2012	6	7209	504,630	7460	522,200
2013	7	7555	528,850	7841	548,870
2014	8	7917	554,190	8241	576,870
2015	9	8297	580,790	8661	606,270
2016	10	8696	608,720	9103	637,210
2017	11	9113	637,910	9567	669,690
2018	12	9551	668,570	10055	703,850
2019	13	10009	700,630	10568	739,760
2020	14	10489	734,230	11107	777,490
2021	15	10993	769,510	11673	817,110
2022	16	11521	806,470	12268	858,760
2023	17	12074	845,180	12894	902,580
2024	18	12653	885,710	13552	948,640
2025	19	13260	928,200	14243	997,010
2026	20	13897	972,790	14969	1,047,830
2027	21	14564	1,019,480	15733	1,101,310
2028	22	15263	1,068,410	16535	1,157,450
2029	23	15996	1,119,720	17378	1,216,460
2030	24	16763	1,173,410	18264	1,278,480
2031	25	17568	1,229,760	19196	1,343,720
2032	26	18411	1,288,770	20175	1,412,250
2033	27	19295	1,350,650	21204	1,484,280
2034	28	20221	1,415,470	22285	1,559,950

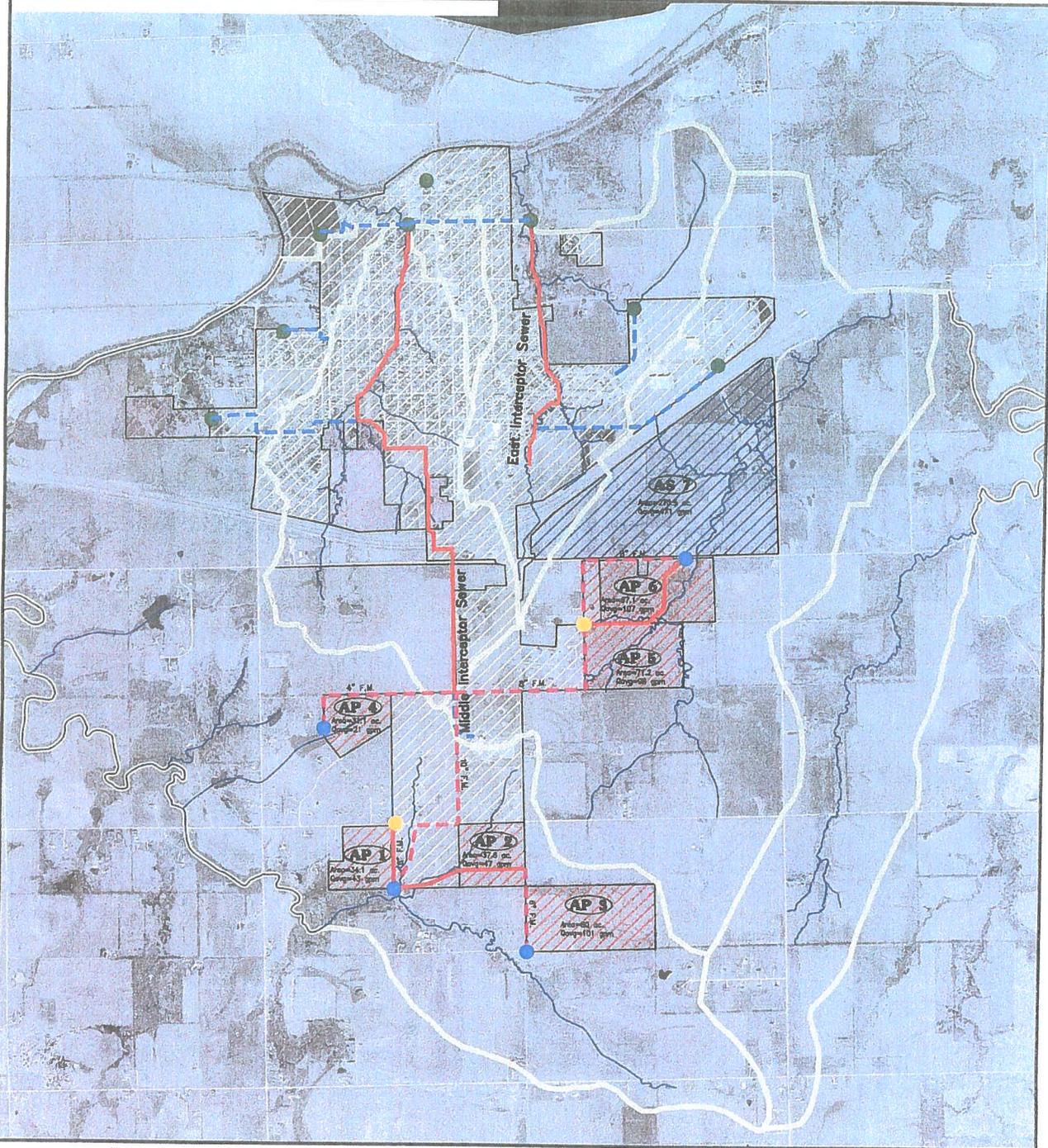
Population projections for Eudora were based upon information obtained from the Lawrence/ Douglas County CHAT Report prepared in May, 2005.

Sewer flow projections were based upon average water use records obtained from the 2004 Water Use Report prepared by the City for DWR. The 70 gallon per capita daily use was based upon a 2004 assumed population of 4954 residents and a 15% allowance for normal Infiltration & Inflow.

Appendix E  
Short Term Sewer Plan

# EUDORA INTERCEPTOR SEWER ANALYSIS

## Short Term Sewer Plan



### Legend

- Gravity Sewer
- - - Ridge Line
- - - Existing Force Main
- - - Intermediate Force Main
- Existing Lift Station
- Intermediate Lift Station
- Lift Station Converted to Manhole
- Current Development
- Previously Anticipated Development
- Anticipated Primary Development
- Anticipated Secondary Development



2000' 0 2000' 4000'

Scale 1:2000

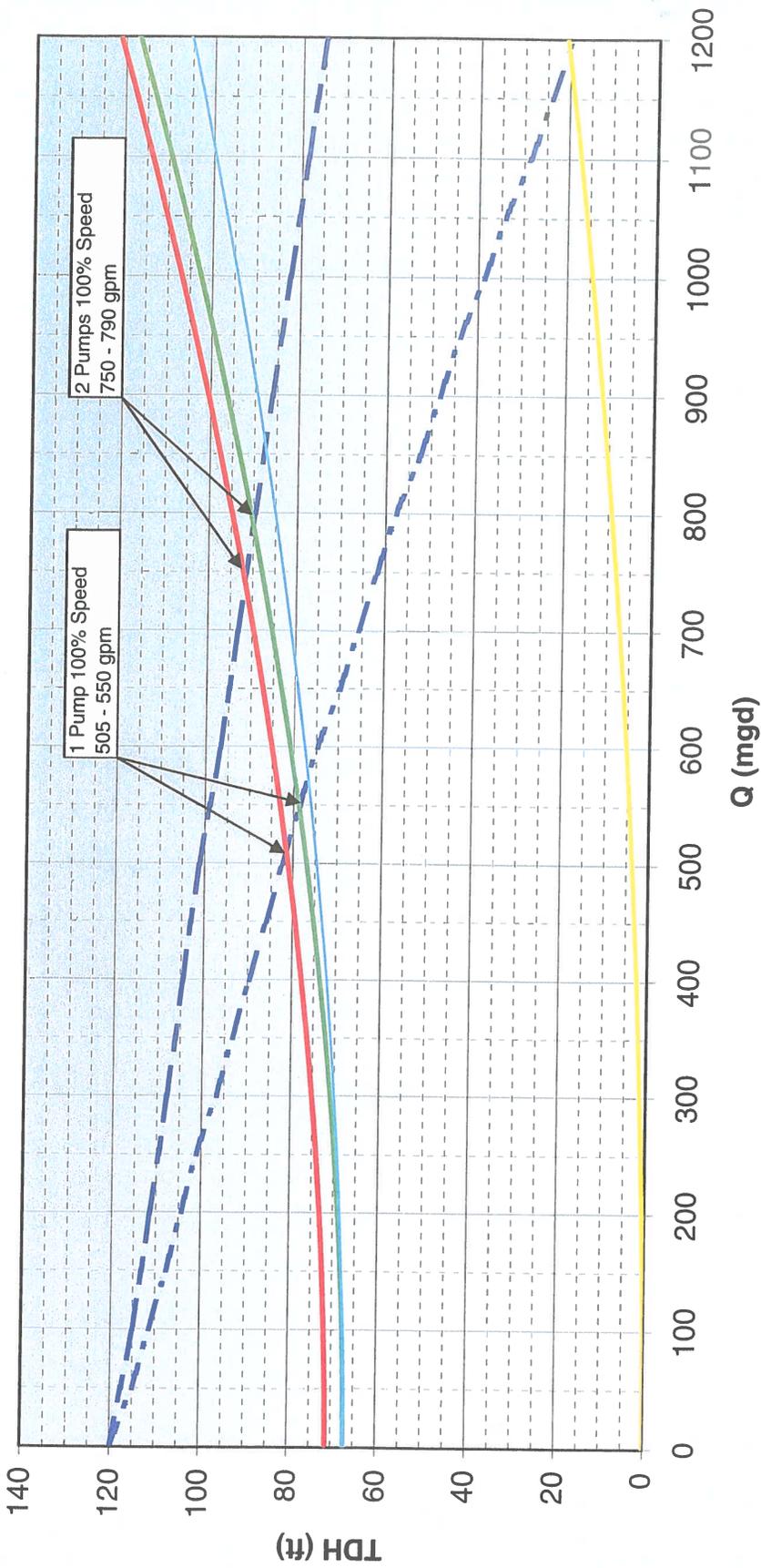
Map 7

**BG CONSULTANTS, INC.**  
 ENGINEERS-ARCHITECTS-SURVEYORS  
 LAWRENCE, KANSAS HUTCHINSON, KANSAS  
 MANHATTAN, KANSAS EMPORIA, KANSAS



Appendix F  
Future Conditions East Lift Station  
System Head and Pump Curves

**Eudora East Lift Station to WWTP  
Future Conditions System-Head and Pump Curves  
Flygt Model NP3153.180**



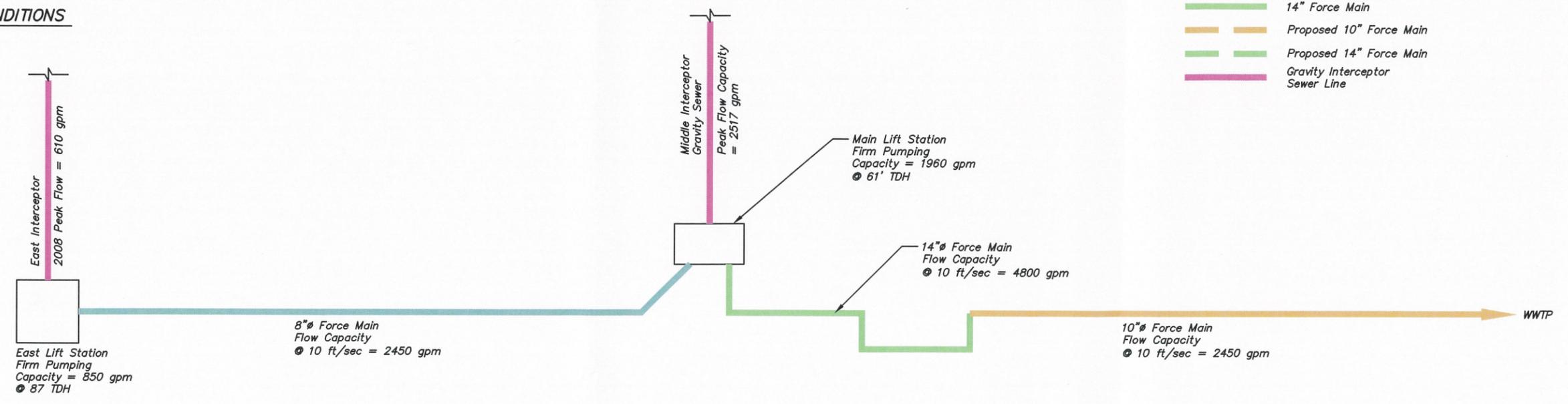
- 1 Pump (Modified) High Wetwell, C=120
- 1 Pump (Modified) Low Wetwell, C=120
- - 2 Pumps (Modified) High Wetwell, C=140
- - 2 Pumps (Modified) Low Wetwell, C=140
- Lateral Losses, C=120
- Lateral Losses, C=140

Appendix G  
Lift Station Improvements Schematic

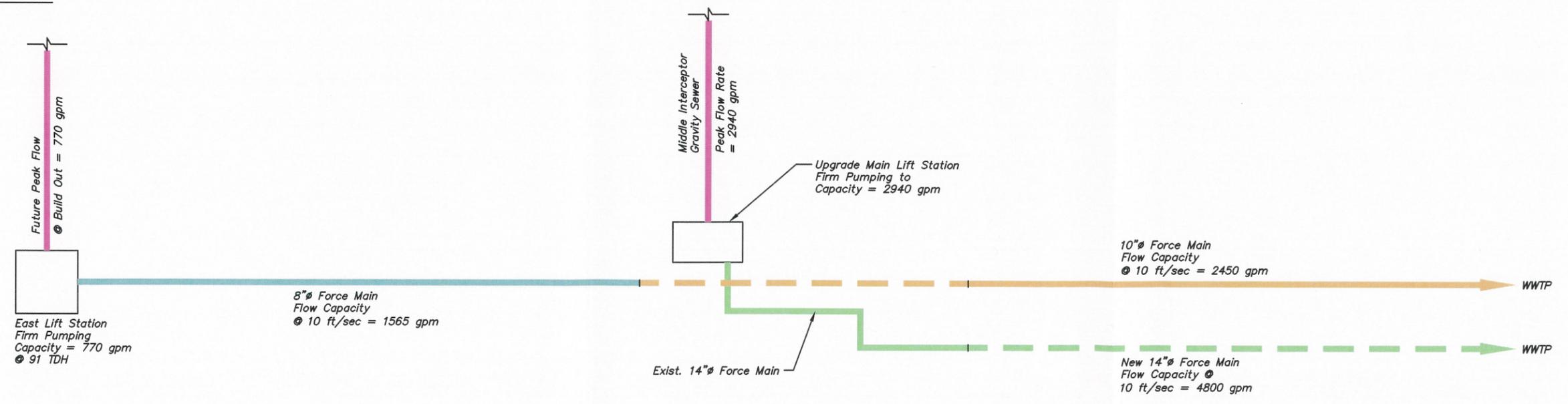
**LEGEND**

- 8" Force Main
- 10" Force Main
- 14" Force Main
- - - Proposed 10" Force Main
- - - Proposed 14" Force Main
- Gravity Interceptor Sewer Line

2008 CURRENT CONDITIONS



PROPOSED CONDITIONS



**EUDORA LIFT STATION IMPROVEMENTS SCHEMATIC**

**BG CONSULTANTS, INC.**  
 ENGINEERS—ARCHITECTS—SURVEYORS

MANHATTAN, KANSAS    HUTCHINSON, KANSAS  
 LAWRENCE, KANSAS    EMPORIA, KANSAS

Appendix H  
Main Lift Station Improvements  
Cost Estimate

**Main Lift Station Improvements  
City of Eudora  
Opinion of Probable Cost  
July 2008**

Number	Description	Quantity	Unit	Unit price	Total
1	14" Forcemain	1235	Lin FT	\$50.00	\$61,750.00
2	10" Forcemain	410	Lin FT	\$45.00	\$18,450.00
3	14" Gate Valve	1	Each	\$2,500.00	\$2,500.00
4	10" Gate Valve	2	Each	\$2,300.00	\$4,600.00
5	14" DIP Fittings	6	Each	\$500.00	\$3,000.00
6	10" DIP Fittings	10	Each	\$450.00	\$4,500.00
7	14"x 10" DIP Tee	2	Each	\$550.00	\$1,100.00
8	10" DIP Tee	1	Each	\$520.00	\$520.00
9	10" Check Valve	3	Each	\$1,500.00	\$4,500.00
10	10" Plug Valve	3	Each	\$1,500.00	\$4,500.00
11	Connect to Existing 8" Main	1	Each	\$2,000.00	\$2,000.00
12	Connect to Existing 10" Main	1	Each	\$2,250.00	\$2,250.00
13	Connect to Existing 14" Main	1	Each	\$2,500.00	\$2,500.00
14	Asphalt Remove and Replace	549	Sq Yds	\$60.00	\$32,933.33
15	Pump and Interior Piping Installation	1	Lump	\$234,000.00	\$234,000.00
16	Temporary By-Pass	1	Lump	\$17,000.00	\$17,000.00
17	Electrical Upgrades	1	Lump	\$56,400.00	\$56,400.00
18	Back up Generator	1	Lump	\$55,200.00	\$55,200.00
19	Control Upgrades	1	Lump	\$10,000.00	\$10,000.00
20	Steel Casing/Creek Crossing	1	Lump	\$17,500.00	\$17,500.00
				Construction Subtotal =	\$535,203.33
				+ 20% Contingency = \$	107,041.00
				<b>Construction Total =</b>	<b>\$642,244.33</b>
				+ 25% for Engineering Design, Inspection, Legal, Bonds and Admin. = \$	160,561.08
				<b>Project Total = \$</b>	<b>802,805.42</b>

This above estimate represents the cost associated with upgrading the Main Lift Station with higher capacity pumps, and installing parallel 10" and 14" diameter forcemains to the WWTP from the East and Main Lift Stations. This estimate also includes additional electrical and system control improvements which are necessary for the pump upgrades.