

Crete City Council Regular Meeting
Tuesday, September 3, 2024 6:00 PM
Crete City Hall
243 E 13th Street
Crete, NE 68333

1. Open Meeting

- In accordance with Nebraska law, a copy of the Open Meetings Act can be found in the back of the Council Chambers.
- Items listed on the agenda may be considered in any order.
- Please stand for the Pledge of Allegiance.

2. Roll Call

- Attendance of members will be recorded to determine the presence of a quorum for official actions.

3. Consent Agenda

- All items listed on the consent agenda will be approved by one motion and vote. No separate discussion of these items will occur unless the Mayor, a Councilmember, or a citizen so requests. If such a request is made, the item will be moved out of the consent agenda and considered separately.

3.A. Approve Meeting Minutes

3.A.1. August 24th, 2024 City Council Work Session Minutes

3.B. Accept the City Treasurer's Report

3.C. Approve the Payment of Claims Against the City

4. Items of Business

- Action may be taken to discuss/limit discussion, to hear testimony in favor of or in opposition to, and to approve or disapprove any matter presented under this title.

4.A. Consider Resolution 2024-16 Property Tax Request

4.B. Consider Resolution 2024-15 Gap Paving Assessments

4.C. Public Hearing to levy assessments on the property located at 1215 Main Ave

4.D. Consider Resolution 2024-17 Special Assessment to 1215 Main Ave

4.E. Consider the Dittmer Commercial Preliminary Plat

4.F. Consider the Dittmer Commercial Final Plat

4.G. Public Hearing on an Application for the Community Development Block Grant Program for road construction and reconstruction

4.H. Consider Resolution 2024-18 Community Block Grant For Road Construction and Reconstruction

4.I. Consider the serving of catered alcohol with a Special Designated Liquor License at the Community Room for a private event on Friday, October 11th 2024.

- 4.J. Consider the Application from Black Hills Energy for a Permit to Occupy City of Crete Right-of-Way
- 4.K. Consider the Agreement Between Owner and Engineer for Professional Services from JEO Consulting Group, Inc. for the Crete Walnut Creek Sewer Repair.
- 4.L. Consider the Special Event Permit Application SE24-09 Crete's Great Pumpkin Festival from the Crete Chamber of Commerce.
- 4.M. Consider the Application for Special Event Permit SE24-10 for the Children's Parade from the Crete Chamber of Commerce.
- 4.N. Consider PCO 011 for \$812.00 from Kingery Construction for the Crete Isis Theatre
- 4.O. Consider PCO 012 for \$2,126.00 from Kingery Construction for the Crete Isis Theatre

5. Petitions - Communications - Citizen Concerns

- Citizen testimony may be limited to 3 minutes per person.
- Please do not repeat testimony that has already be heard.
- No action can be taken on matters presented under this title except to answer any questions or to refer the matter for further action.

6. Officers' Reports

- Reports may be given by Officers, Departments, Committees, or Councilmembers concerning the current operations of the City.
- No action can be taken on matters presented under this title except to answer any questions or to refer the matter for further action.

7. Adjournment

Disclaimers & Notices

- The Council may enter into closed session to discuss any matter on this agenda when it is determined that a closed session is clearly necessary for the protection of the public interest or the prevention of needless injury to the reputation of an individual (if such individual has not requested a public meeting) or as otherwise allowed by law. Any closed session shall be limited to the subject matter for which the closed session was called. If the motion to close passes, then immediately prior to the closed session the Mayor shall restate on the record the limitation of the subject matter of the closed session.
- The City of Crete assures that no person shall on the grounds of race, color, national origin, age, disability, handicap or sex, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity of the City receiving Federal financial assistance. To report discrimination, contact the City Clerk's office.
- The complete agenda with attachments is available at www.crete.ne.gov.



CITY COUNCIL WORK SESSION MEETING

August 24th, 2024 at 9:00 AM
Crete City Hall, 243 East 13th Street

MINUTES

Notice of the meeting was given by posting, the appointed method for giving notice as shown by the attached notice, at the following locations:

City Hall, 243 East 13th Street
Post Office, 1242 Linden Avenue
City Bank and Trust, 1135 Main Avenue

Advance notice of the meeting was also given to committee members. Pursuant to Section 84-1412(8) of the Nebraska Open Meetings Act, the City has posted a current copy of the Open meetings Act, Laws of the State of Nebraska, in the back of the council chambers. All proceedings shown were taken while the meeting was open to the attendance of the public.

1. Open Meeting

2. Roll Call

Tom Crisman: Absent
Anthony Fitzgerald: Present
Kyle Frans: Present
Ashley Newmyer: Present
Dan Papik: Present
Dale Strehle: Present

Present: 5, Absent: 1.

3. Consent Agenda

Approved the Consent Agenda Carried with a motion by Dale Strehle and a second by Dan Papik.

Anthony Fitzgerald: Aye, Kyle Frans: Aye, Ashley Newmyer: Aye, Dan Papik: Aye, Dale Strehle: Aye

Aye: 5, No: 0

3.A. Approve Meeting Minutes

3.A.1. August 20th, 2024 City Council minutes

3.A.2. August 20th, 2024 Finance Committee minutes

3.A.3. August 20th, 2024 Public Works Committee minutes

4. Items of Business

4.A. Budget Work Session

City Administrator Tom Ourada explained that they could go through the budget a couple of different ways or the department heads that were present could go through their budgets. Ourada stated that some of the budgets submitted by the department heads were altered and some were not. The library's budget was not altered.

Library Director Jessica Wilkinson went through her budget and explained that she budgeted an extra \$3,000 for books. She also included a salary pay increase of 3% and some of the library employees would also be getting a step up in pay. Wilkinson stated that she also included funds for meetings and educational training.

Mayor Dave Bauer stated that this is not the final budget and the council members could take the budget to review and let Ourada or Finance Director Wendy Thomas know if they have questions.

Parks and Recreation Director Liz Cody explained her budget and stated that there would be some employee pay increases. Ourada added that grants make sense to look into future projects in the parks and for recreation.

Chief of Police Gary Young pointed out salaries being a huge part of the budget for the Police Department. The FOP agreed to 5% and that raises the cost. There are several young officers with step increases and merit increases. After that, things drop considerably. Work compensation and insurance went up. The traffic grant for overtime increased significantly.

City Administrator Tom Ourada explained that the budget is about 45 million dollars, including bonds and revenue funds. The transfer budget meaning the tax portion of the budget that transfers out to the departments is half. Their half of the tax side part of the budget and they are raising \$160,000 roughly this year. That stage was set last year with the FOP negotiations that were significantly greater. There were just 12 officers at that time. The last officer hired was the night patrol sergeant, and then it would be Jaden Acevedo and reducing officers is not a doable situation.

Ourada went through and explained the budget forms.

4.B. Consider the State Aid Grant Application for the Crete Municipal Airport

City Administrator Tom Ourada explained that the City of Crete received notice of a special grant opportunity, and they would like to apply for a new hangar door at the Crete Municipal Airport.

Approved to authorize to apply for the State Aid Grant Application for the Crete Municipal Airport Carried with a motion by Dale Strehle and a second by Dan Papik.

Anthony Fitzgerald: Aye, Kyle Frans: Aye, Ashley Newmyer: Aye, Dan Papik: Aye, Dale Strehle: Aye

Aye: 5, No: 0

5. Officers' Reports

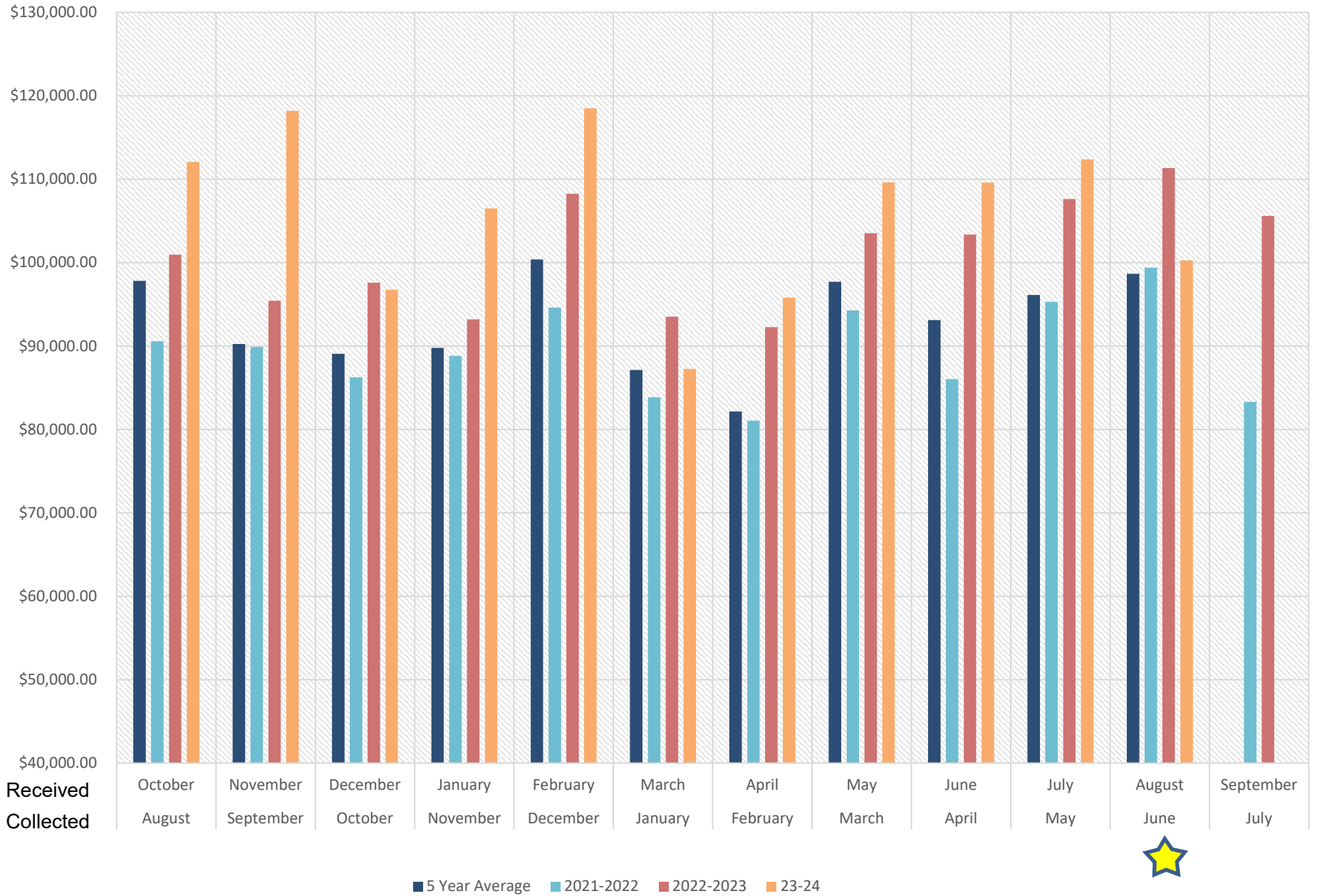
6. Adjournment

12:24 p.m.

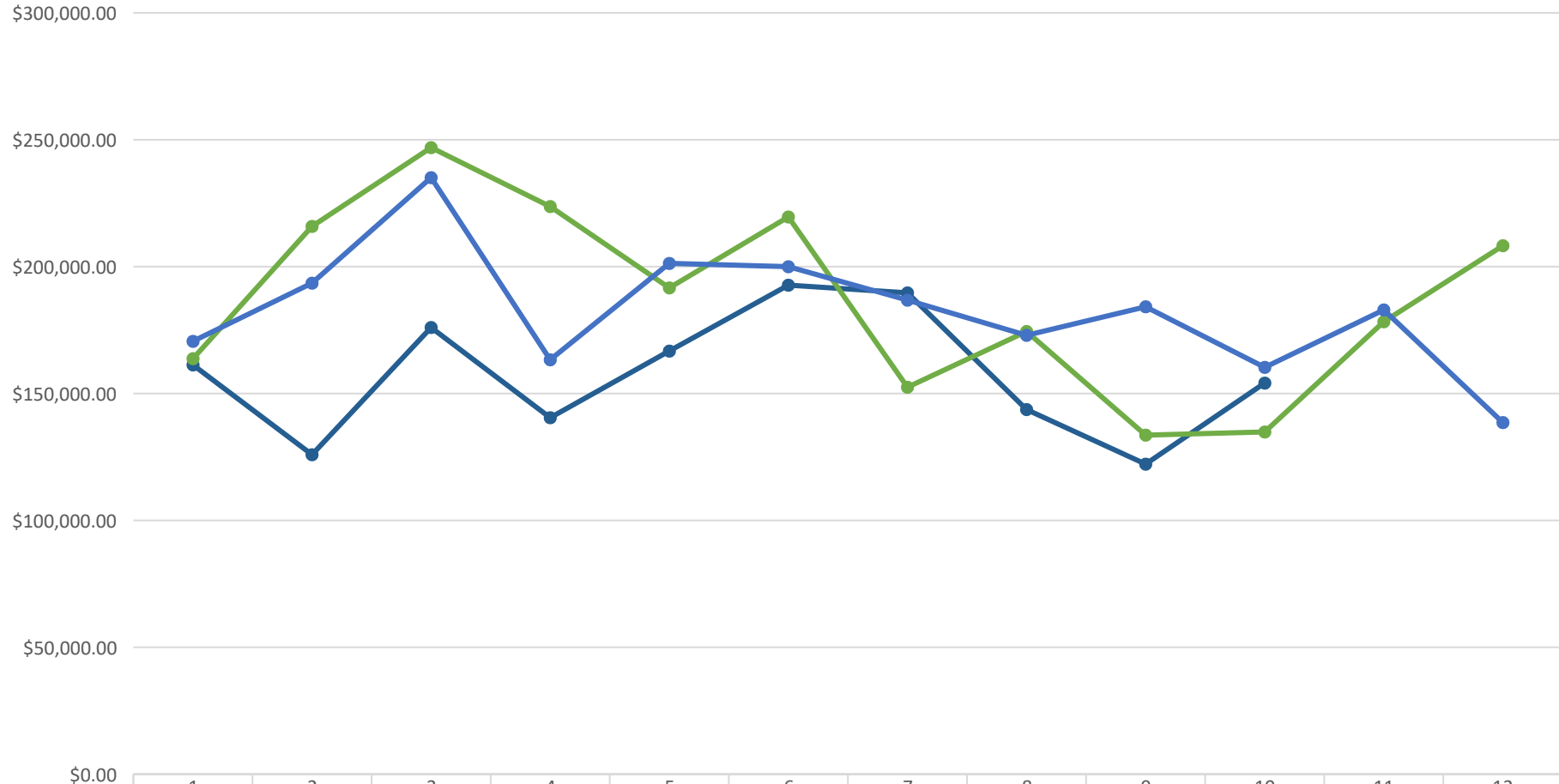
City of Crete
Sales Tax Receipts

Month Collected by Retail	Month Received by City	FY2022 Gen. Fund	Change Gen. Fund	FY2023 Gen. Fund	Change Gen. Fund	FY2024 Gen. Fund	Change Gen. Fund	5 Year Average	Gross Change yr. to yr.	Gross Change 5 yr. Average	LB840 Program	LB 357 Bond	LB 357 Public Safety	LB 357 Reserve	Next Year Refunds	Projection	Refunds
August	October	\$90,562.71	-0.50%	\$100,946.22	11.47%	\$112,079.68	11.03%	\$97,824.90	9.50%	19.11%	\$56,039.84	\$21,000.00	\$10,500.00	\$24,539.84		\$82,838.99	(\$2,151.46)
September	November	\$89,891.94	8.99%	\$95,435.14	6.17%	\$118,194.74	23.85%	\$90,235.00	23.85%	16.13%	\$59,097.37	\$21,000.00	\$10,500.00	\$27,597.37		\$76,081.51	(\$3.56)
October	December	\$86,263.66	-1.01%	\$97,592.24	13.13%	\$96,745.35	-0.87%	\$89,070.79	2.78%	20.78%	\$48,372.68	\$21,000.00	\$10,500.00	\$16,872.68		\$74,165.44	(\$9,839.92)
November	January	\$88,837.18	9.59%	\$93,189.55	4.90%	\$106,493.06	14.28%	\$89,784.80	9.40%	19.01%	\$53,246.53	\$21,000.00	\$10,500.00	\$21,746.53		\$76,564.16	(\$78.47)
December	February	\$94,625.07	-3.03%	\$108,244.80	14.39%	\$118,509.22	9.48%	\$100,391.96	9.67%	17.81%	\$59,254.61	\$21,000.00	\$10,500.00	\$27,754.61		\$86,341.62	(\$423.11)
January	March	\$83,860.75	-11.43%	\$93,536.46	11.54%	\$87,279.08	-6.69%	\$87,129.09	-3.25%	17.09%	\$43,639.54	\$21,000.00	\$10,500.00	\$12,139.54		\$69,317.48	(\$6,649.18)
February	April	\$81,072.44	6.27%	\$92,271.35	13.81%	\$95,787.93	3.81%	\$82,153.83	4.27%	23.38%	\$47,893.97	\$21,000.00	\$10,500.00	\$16,393.97		\$67,506.98	(\$871.34)
March	May	\$94,261.86	-8.70%	\$103,537.01	9.84%	\$109,613.71	5.87%	\$97,695.43	6.30%	16.37%	\$54,806.85	\$21,000.00	\$10,500.00	\$23,306.85		\$78,639.80	(\$1,031.65)
April	June	\$86,024.43	-11.09%	\$103,361.32	20.15%	\$109,581.23	6.02%	\$93,119.02	6.49%	16.48%	\$54,790.61	\$21,000.00	\$10,500.00	\$23,290.61		\$77,528.45	(\$1,005.41)
May	July	\$95,288.64	4.58%	\$107,615.66	12.94%	\$112,375.22	4.42%	\$96,115.90	3.39%	18.95%	\$56,187.61	\$21,000.00	\$10,500.00	\$24,687.61		\$82,827.78	\$0.00
June	August	\$99,404.95	4.08%	\$111,328.69	12.00%	\$100,278.28	-9.93%	\$98,668.66	-9.84%	21.77%	\$50,139.14	\$21,000.00	\$10,500.00	\$18,639.14		\$81,533.06	(\$192.93)
July	September	\$83,299.71	-4.66%	\$105,594.67	26.76%												
Totals		\$1,073,393.32	-0.58%	\$1,212,653.08	13.09%	\$1,166,937.48	5.57%	\$1,022,189.36	5.69%	18.81%	\$583,468.74	\$231,000.00	\$115,500.00	\$236,968.74	\$0.00	\$853,345.27	(\$22,247.03)
						\$1,165,000.00	Budgeted Transfer to General Fund										
						Net Receipts	Monthly Transfer to General Fund										
						\$106,085.23	Average Net Receipts										
						\$97,083.33	Required										

City of Crete Net 1% Sales Tax Receipts

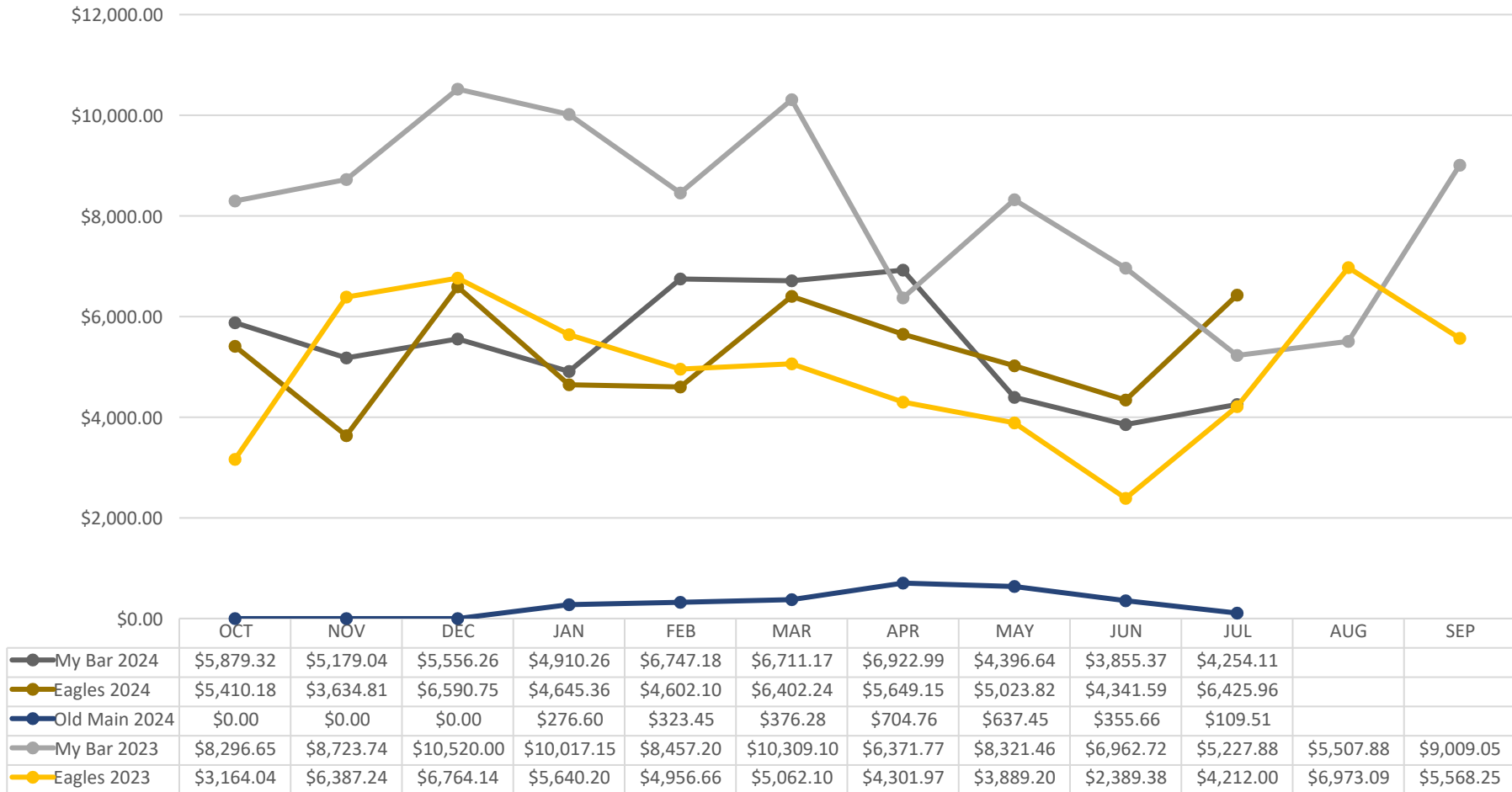


GROSS SALES

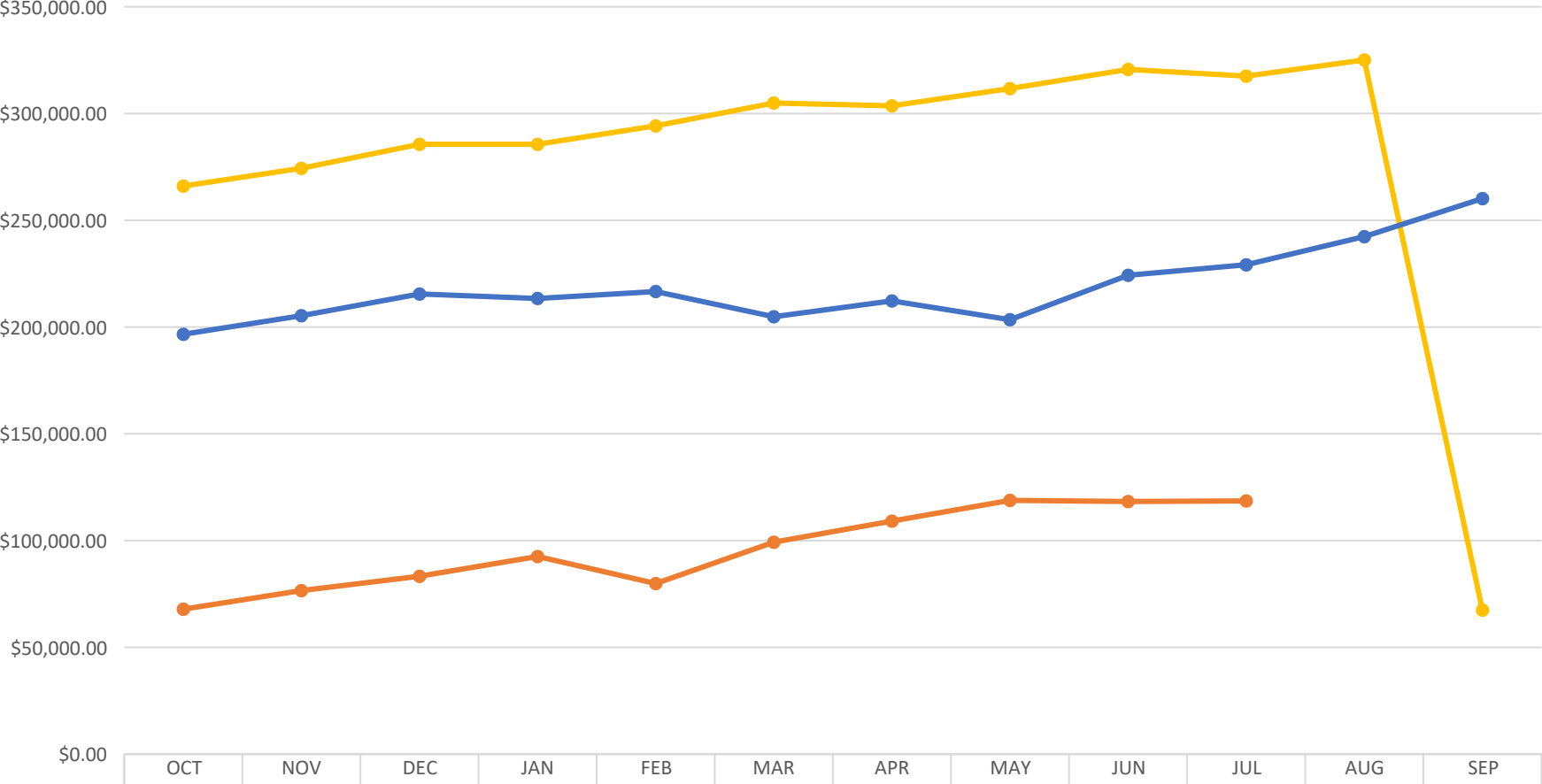


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Gross Sales 2024	\$161,278.58	\$125,912.15	\$176,004.76	\$140,460.30	\$166,753.19	\$192,709.78	\$189,669.97	\$143,684.55	\$122,180.34	\$154,136.93		
Gross Sales 2023	\$163,724.17	\$215,871.22	\$246,916.38	\$223,676.47	\$191,626.58	\$219,588.51	\$152,481.91	\$174,438.02	\$133,601.38	\$134,855.41	\$178,299.44	\$208,247.16
Gross Sales 2022	\$170,592.50	\$193,507.44	\$235,089.41	\$163,309.23	\$201,296.95	\$199,990.83	\$186,813.28	\$172,939.17	\$184,175.02	\$160,311.80	\$182,941.40	\$138,545.51

Outlet Commissions



Community Betterment Funds



**City of Crete
Treasurer's Report**

fy 2023		7/31/2024	Cash	Budget	Year to date	Percent	Budget	Year to date	Percent
83.33%			Balance	Revenue	Revenue	Revenue	Expense	Expense	Expense
UTILITIES	001-1000	Electric Fund CBT	\$3,383,199.41	\$11,859,820.00	\$9,362,174.06	79%	\$11,859,820.00	\$8,858,617.70	75%
	001-1005	Consumer Deposits PINN	\$153,964.82						
	001-1008	NE Class	\$1,046,781.81						
	001-1006	Consumer Deposit CDs PINN	\$348,000.00						
	001-1009	Revenue ACH PINN	\$6,279.58						
	001-1015	Electric CDs CBT WF	\$3,322,688.10						
	002-1000	Water Fund CBT	-\$12,373.04	\$1,062,750.00	\$911,651.78	86%	\$1,062,750.00	\$814,418.93	77%
	002-1015	Water CDs CBT	\$400,000.00						
	003-1000	Sewer Fund CBT	\$1,526,924.13	\$1,720,750.00	\$1,609,975.53	94%	\$1,720,750.00	\$1,269,633.45	74%
	003-1002	Sewer USDA Equipment CE	\$164,493.59						
	003-1003	Sewer USDA Reserve CBT	\$175,581.51						
	003-1008	NE Class	\$1,046,781.81						
AIRPORT	050-1010	Airport Purposes PINN	\$199,511.43	\$266,900.00	\$110,023.69	41%	\$265,900.00	\$109,983.78	41%
GENERAL	101-1000	General Fund PINN	\$1,199,151.51	\$4,262,230.00	\$3,437,050.51	81%	\$4,262,230.00	\$3,143,306.24	74%
	101-1042	Brick Fund PINN	\$624.64						
	102-1015	City Sales Tax PINN	\$111,769.93	\$2,300,000.00	\$2,133,546.83	93%	\$2,300,000.00	\$2,133,318.40	93%
	103-1000	Keno Fund PINN	\$100,290.82	\$120,000.00	\$80,904.16	67%	\$120,000.00	\$29,790.00	25%
	103-1007	Keno Prize Reserve	\$0.00						
	103-1015	Keno Savings PINN	\$43,292.30						
	150-1000	General Obligation Bonds PI	\$589,032.78	\$596,650.00	\$807,609.03	135%	\$596,650.00	\$349,038.00	58%
	150-1015	LB357 Bond Savings (UBT)	\$272,934.17						
	171-1000	Insurance Contingency PINN	\$98,794.70	\$100,000.00	\$0.00	0%	\$100,000.00	\$8,765.41	9%
	173-1000	Capital Reserve Checking P	\$1,013,227.32	\$180,950.00	\$21,526.19	12%	\$180,950.00	\$19,600.00	11%
173-1043	Capital Reserve Savings PINN	\$253,455.96							
POLICE	201-1000	Police Department PINN	\$490,246.54	\$1,912,844.00	\$1,481,791.45	77%	\$1,912,844.00	\$1,667,026.32	87%
	202-1000	Communications Center PINN	\$164,216.64	\$341,500.00	\$263,631.04	77%	\$341,500.00	\$300,726.26	88%
	203-1000	Community Service PINN	\$131,402.96	\$81,050.00	\$60,038.80	74%	\$81,050.00	\$66,476.38	82%
	204-1000	Stop Fund PINN	\$2,585.28	\$2,585.28	\$225.00	9%	\$2,585.28	\$0.00	0%
	205-1000	K9 Fund PINN	\$5,187.32	\$6,475.00	\$1,839.22	28%	\$6,475.00	\$2,081.08	32%

**City of Crete
Treasurer's Report**

	fy 2023	7/31/2024	Cash	Budget	Year to date	Percent	Budget	Year to date	Percent
	83.33%	Fund	Balance	Revenue	Revenue	Revenue	Expense	Expense	Expense
FIRE & RESCUE	301-1000 Fire Dept. Operations PINN		\$77,954.61	\$156,800.00	\$130,200.03	83%	\$156,300.00	\$128,172.53	82%
	302-1000 Rescue PINN		-\$68,294.50	\$400,000.00	\$294,574.49	74%	\$400,000.00	\$286,476.51	72%
	303-1000 Fire Equipment PINN		\$43,722.71	\$105,000.00	\$39,322.50	37%	\$105,000.00	\$34,096.32	32%
	304-1000 Fire Equipment II PINN		-\$109,984.62	\$3,170,000.00	\$126,540.36	4%	\$3,170,000.00	\$263,724.83	8%
	304-1043 Fire Equipment II Savings PI		\$152,773.61						
	304-1014 Fire Equipment II Invest NP/		\$53,091.38						
	304-1015 Fire Equipment II CDs PINN		\$50,000.00						
STREETS	401-1000 Street & Grade PINN		\$1,440,325.45	\$1,137,800.00	\$972,262.08	85%	\$1,137,800.00	\$789,113.62	69%
	401-1015 Street & Grade PINN		\$236,000.00						
PUBLIC WORKS	501-1000 City Hall PINN		\$72,096.46	\$57,150.00	\$44,462.50	78%	\$57,150.00	\$46,131.72	81%
	502-1000 Community Center PINN		-\$62,178.17	\$162,350.00	\$9,142.50	6%	\$162,350.00	\$123,394.65	76%
	503-1000 Community Room/Shelter PI		\$47,359.73	\$28,800.00	\$20,748.67	72%	\$27,800.00	\$13,018.45	47%
	511-1000 Transfer Station PINN		\$130,911.85	\$37,500.00	\$51,135.76	136%	\$37,500.00	\$26,933.23	72%
	512-1000 Landfill Reserve PINN		\$303,265.93	\$16,100.00	\$10,733.36	67%	\$16,100.00	\$0.00	0%
	521-1000 Parks Maintenance PINN		\$138,502.81	\$289,500.00	\$228,627.15	79%	\$289,500.00	\$274,352.75	95%
	522-1000 Swimming Pool Maintenance		\$159,310.09	\$49,800.00	\$37,350.00	75%	\$49,800.00	\$36,388.03	73%
	531-1000 Capitol Outlay PINN		\$212,551.89	\$300,505.00	\$202,228.36	67%	\$300,505.00	\$158,127.99	53%
	531-1015 Capitol Outlay CDs PINN		\$90,000.00						
	532-1000 Capitol Improvements PINN		-\$1,557,953.15	\$3,081,950.00	\$210,973.89	7%	\$3,081,950.00	\$1,271,903.96	41%
	532-1043 Capitol Improvements BANs		\$93,880.68						
551-1000 FEMA Disaster PINN		-\$1,983.86	\$0.00	\$0.00	0%	\$0.00	\$2,028.83	0%	
561-1000 ARPA PINN		\$271,597.04	\$0.00	\$0.00	0%	\$0.00	\$0.00	0%	
CEMETERY	601-1000 Cemetery Maintenance PINN		\$60,776.60	\$93,650.00	\$72,770.23	78%	\$93,650.00	\$76,857.89	82%
	601-1010 Kunc Memorial Fund CBT		\$5,292.45						
	601-1014 Maintenance Perpetual CD (\$22,000.00						
	601-1015 Maintenance CDs CBT		\$10,000.00						
	602-1000 Cemetery Perpetual Care PI		\$23,697.74	\$3,000.00	\$2,403.22	80%	\$3,000.00	\$241.00	8%
	602-1010 Moser/Chrastil Memorial Fund CBT		\$1,278.52						
	602-1015 Perpetual Care CDs PINN		\$107,000.00						

**City of Crete
Treasurer's Report**

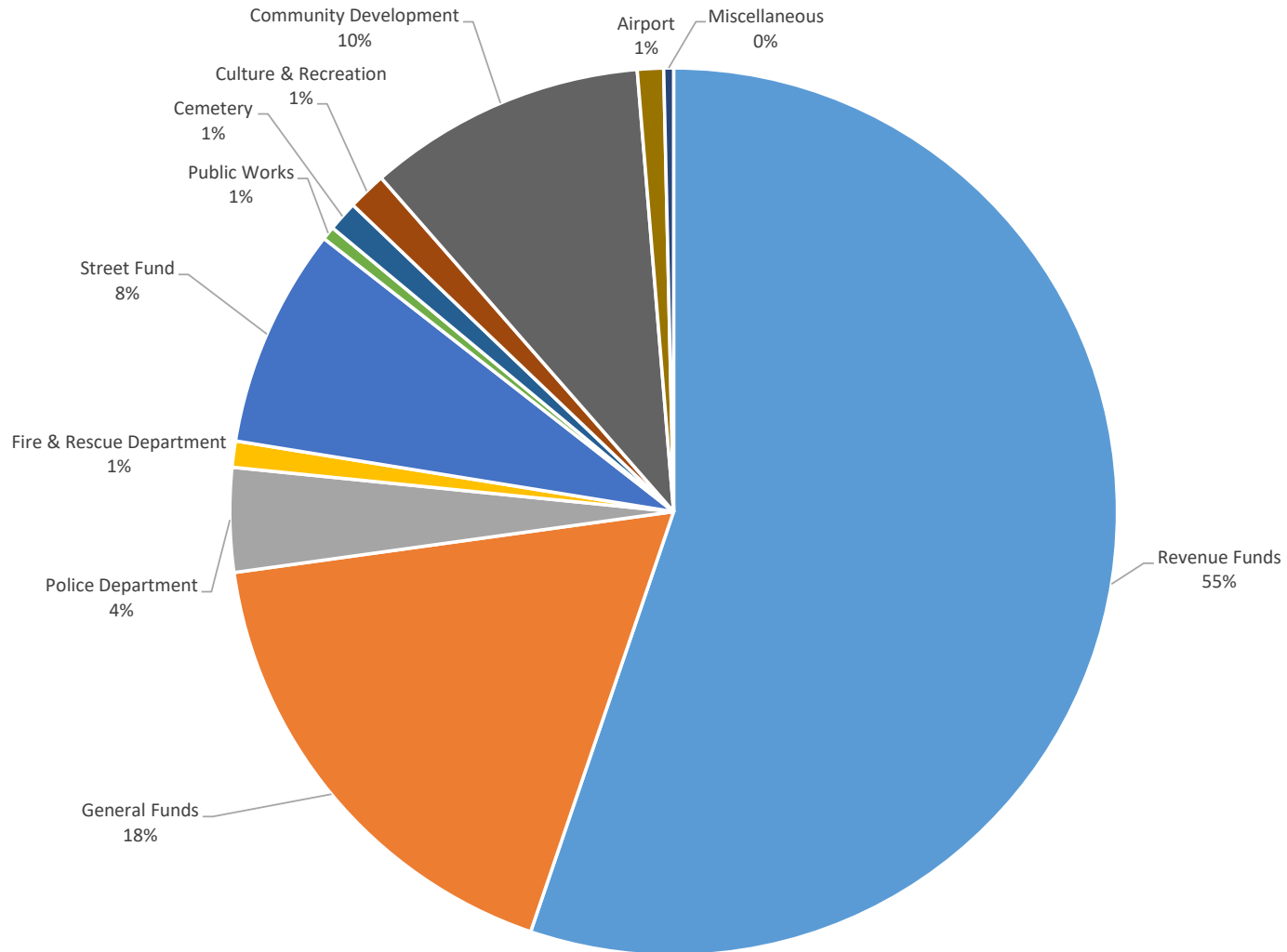
	fy 2023	7/31/2024	Cash	Budget	Year to date	Percent	Budget	Year to date	Percent
	83.33%	Fund	Balance	Revenue	Revenue	Revenue	Expense	Expense	Expense
CULTURE & RECREATION	701-1000 Library Operations PINN		\$75,332.66	\$619,800.00	\$470,595.79	76%	\$619,800.00	\$524,833.88	85%
	702-1000 Library Reserve PINN		\$8,885.30	\$16,200.00	\$3,364.91	21%	\$16,200.00	\$9,314.29	57%
	702-1014 Daughterty Library Reserve CDs PII		\$0.00						
	702-1015 Library Reserve CDs PINN		\$0.00						
	721-1000 Recreation Programs PINN		\$163,410.34	\$90,000.00	\$63,506.70	71%	\$90,000.00	\$97,344.18	108%
	722-1000 Swimming Pool Programs P		\$46,830.56	\$132,200.00	\$110,248.24	83%	\$132,200.00	\$108,612.46	82%
COMMUNITY DEVELOPMENT	801-1000 Economic Development PIN		-\$499,860.22	\$2,355,000.00	\$573,558.66	24%	\$2,355,000.00	\$1,085,062.45	46%
	801-1014 ED Loan Guarantee Fund PI		\$562,308.07						
	801-1043 LB840 Savings PINN		\$1,901,120.94						
	802-1000 Tax Increment Financing PI		\$224,689.35	\$180,500.00	\$152,707.54	85%	\$180,500.00	\$134,636.65	75%
	810-1000 CCCFF Theater PINN		-\$141,932.96	\$0.00	\$0.00	#DIV/0!	\$0.00	\$9,585.35	#DIV/0!
	851-1000 CDBG Housing PINN		-\$3,175.22	\$0.00	\$42.34	#DIV/0!	\$0.00	\$0.00	0%
	851-1043 Housing Savings PINN		\$37,631.19						
	852-1000 CDBG DTR PINN		\$42,173.62	\$165,000.00	\$93,085.36	56%	\$165,000.00	\$50,337.72	31%
853-1000 CDBG Streets PINN		\$0.00	\$0.00	\$0.00	0%	\$0.00	\$0.00	0%	
MISC.	951-1000 Payroll PINN		\$61,381.94						
	952-1010 Health Insurance CBT		\$8,445.57	\$45,000.00	\$22,009.17	0%	\$45,000.00	\$20,192.56	0%
	953-1010 Cafeteria Fund CBT		\$4,946.83						
	Totals		\$20,733,229.24	\$37,508,109.28	\$24,224,581.10	65%	\$37,505,609.28	\$24,343,663.80	65%

**City of Crete
Treasurer's Report**

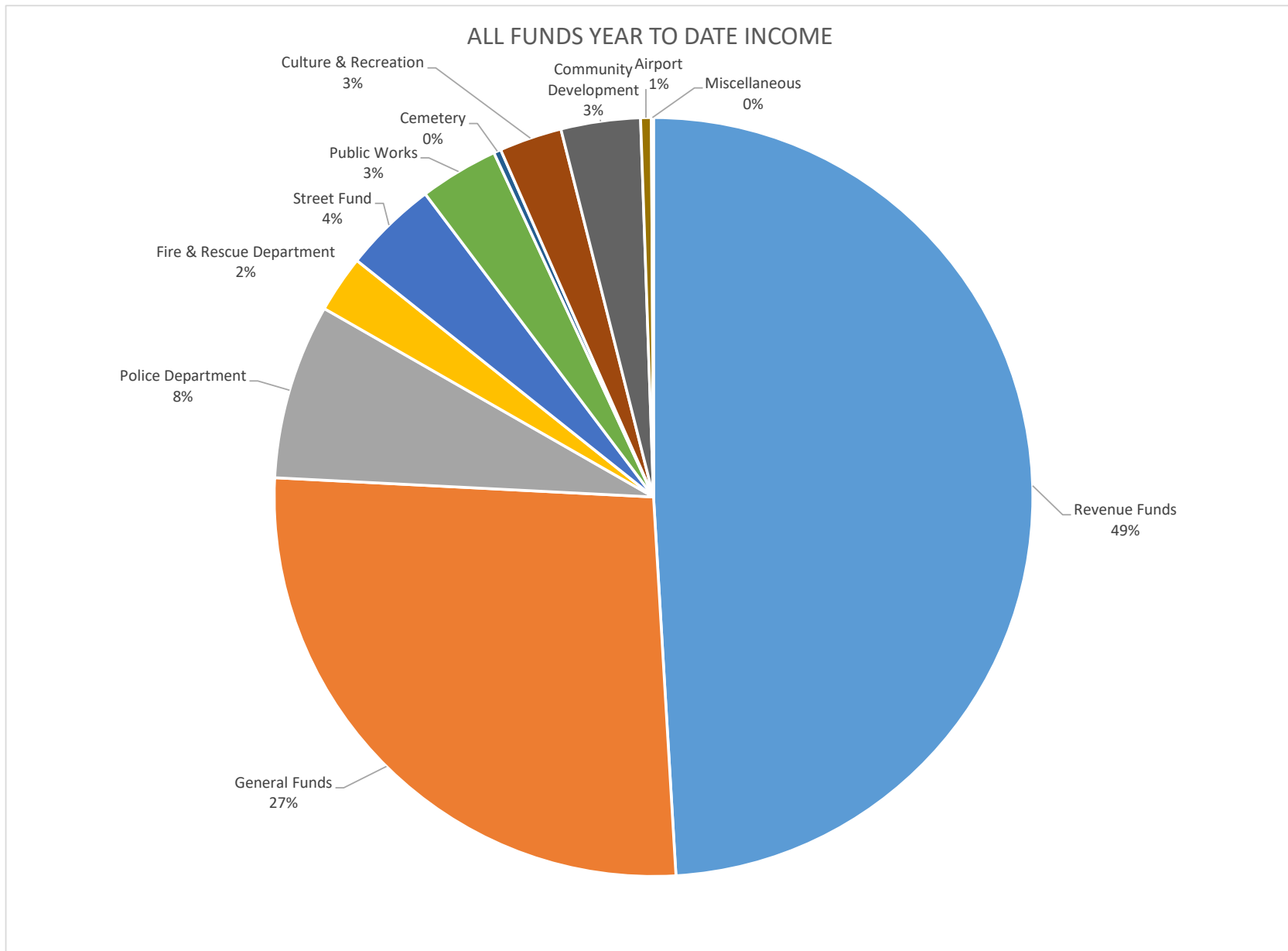
fy 2023	7/31/2024	Cash		Budget	Year to date	Percent		Budget	Year to date	Percent
83.33%	Fund	Balance		Revenue	Revenue	Revenue		Expense	Expense	Expense
	Revenue Funds	\$11,562,321.72		\$14,643,320.00	\$11,883,801.37	81%		\$14,643,320.00	\$10,942,670.08	75%
	General Funds	\$3,682,574.13		\$7,559,830.00	\$6,480,636.72	86%		\$7,559,830.00	\$5,683,818.05	75%
	Police Department	\$793,638.74		\$2,344,454.28	\$1,807,525.51	71%		\$2,344,454.28	\$2,036,310.04	108%
	Fire & Rescue Department	\$199,263.19		\$3,831,800.00	\$590,637.38	15%		\$3,831,300.00	\$712,470.19	19%
	Street Fund	\$1,676,325.45		\$1,137,800.00	\$972,262.08	85%		\$1,137,800.00	\$789,113.62	69%
	Public Works	-\$102,638.70		\$4,023,655.00	\$815,402.19	20%		\$4,022,655.00	\$1,952,279.61	49%
	Cemetery	\$230,045.31		\$96,650.00	\$75,173.45	78%		\$96,650.00	\$77,098.89	80%
	Culture & Recreation	\$294,458.86		\$858,200.00	\$647,715.64	75%		\$858,200.00	\$740,104.81	86%
	Community Development	\$2,122,954.77		\$2,700,500.00	\$819,393.90	30%		\$2,700,500.00	\$1,279,622.17	47%
	Airport	\$199,511.43		\$266,900.00	\$110,023.69	41%		\$265,900.00	\$109,983.78	41%
	Miscellaneous	\$74,774.34		\$45,000.00	\$22,009.17	0%		\$45,000.00	\$20,192.56	0%
	Total All Funds	\$20,733,229.24		\$37,508,109.28	\$24,224,581.10	65%		\$37,505,609.28	\$24,343,663.80	65%
				DEBT	Principal	Interest		Total		Annual
				General Obligation	\$4,345,000.00	\$341,811.25		\$4,686,811.25		\$1,305,333.75
				Other Tax Funds	\$4,105,000.00	\$1,250,060.01		\$5,355,060.01		\$80,722.50
				Revenue Funds	\$8,232,548.18	\$820,332.25		\$9,052,880.43		\$219,737.50
				Total	\$16,682,548.18	\$2,412,203.51		\$19,094,751.69		\$1,605,793.75

City of Crete
Treasurer's Report

ALL FUNDS CASH

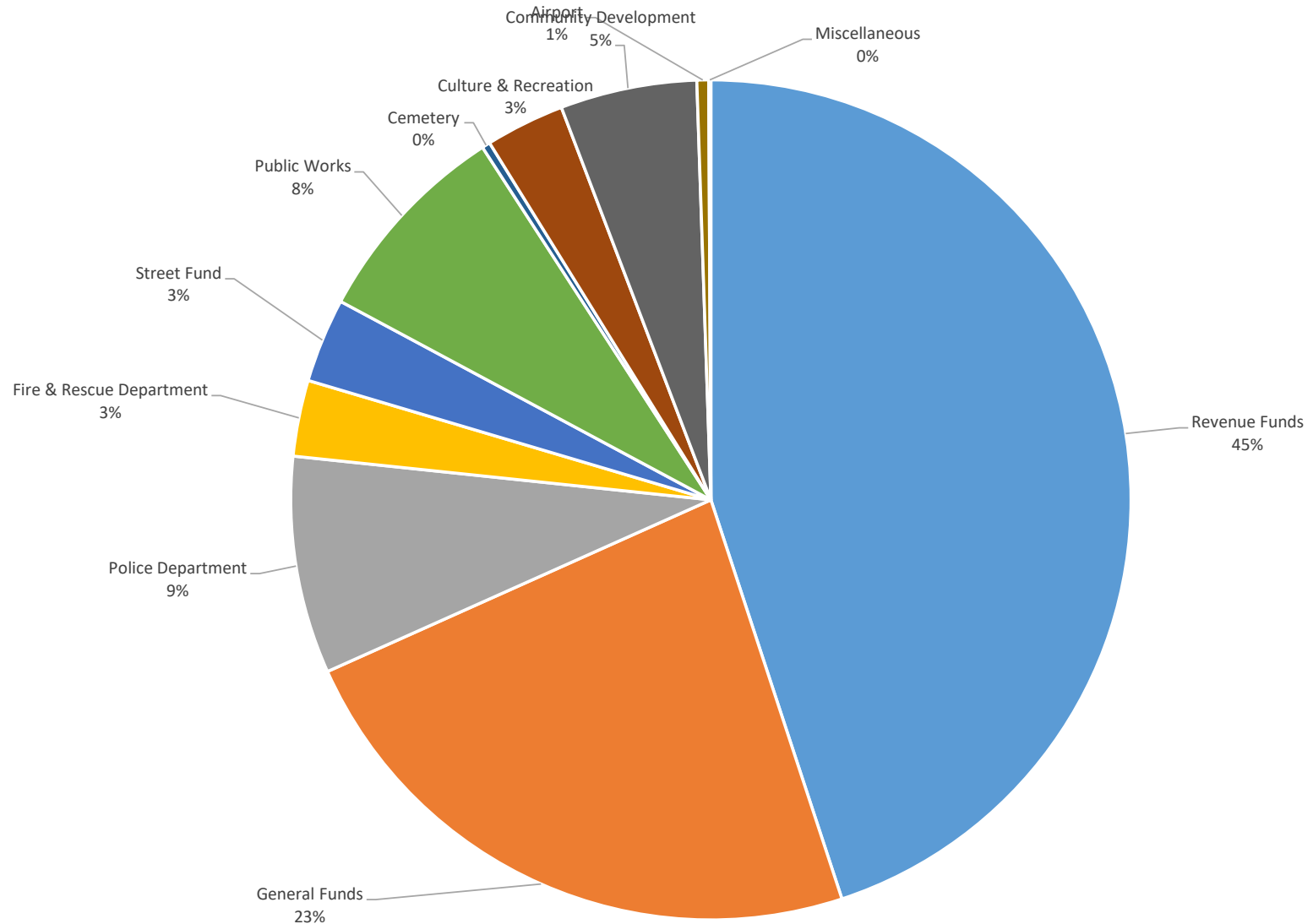


City of Crete
Treasurer's Report



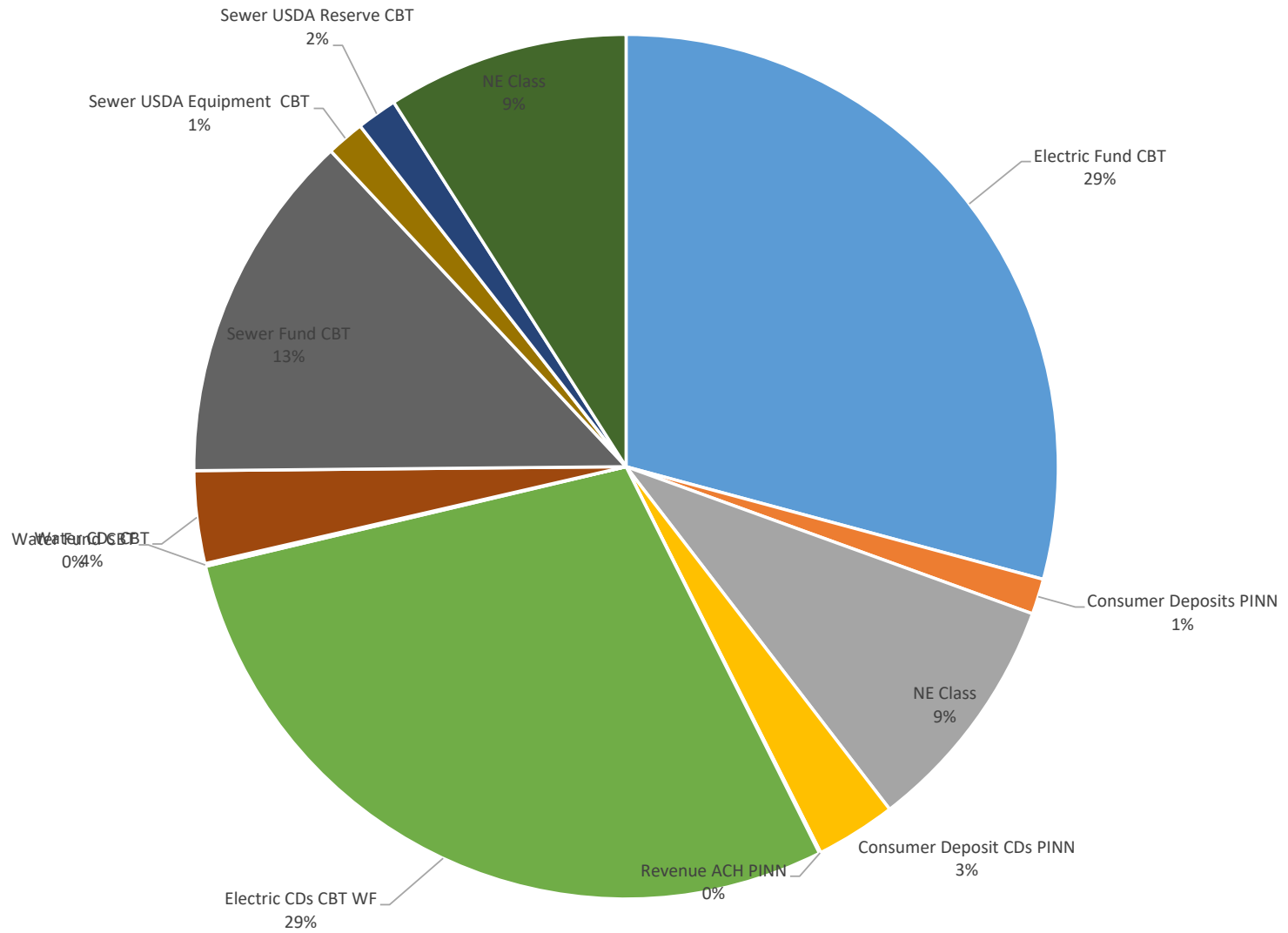
City of Crete
Treasurer's Report

ALL FUNDS YEAR TO DATE EXPENSES



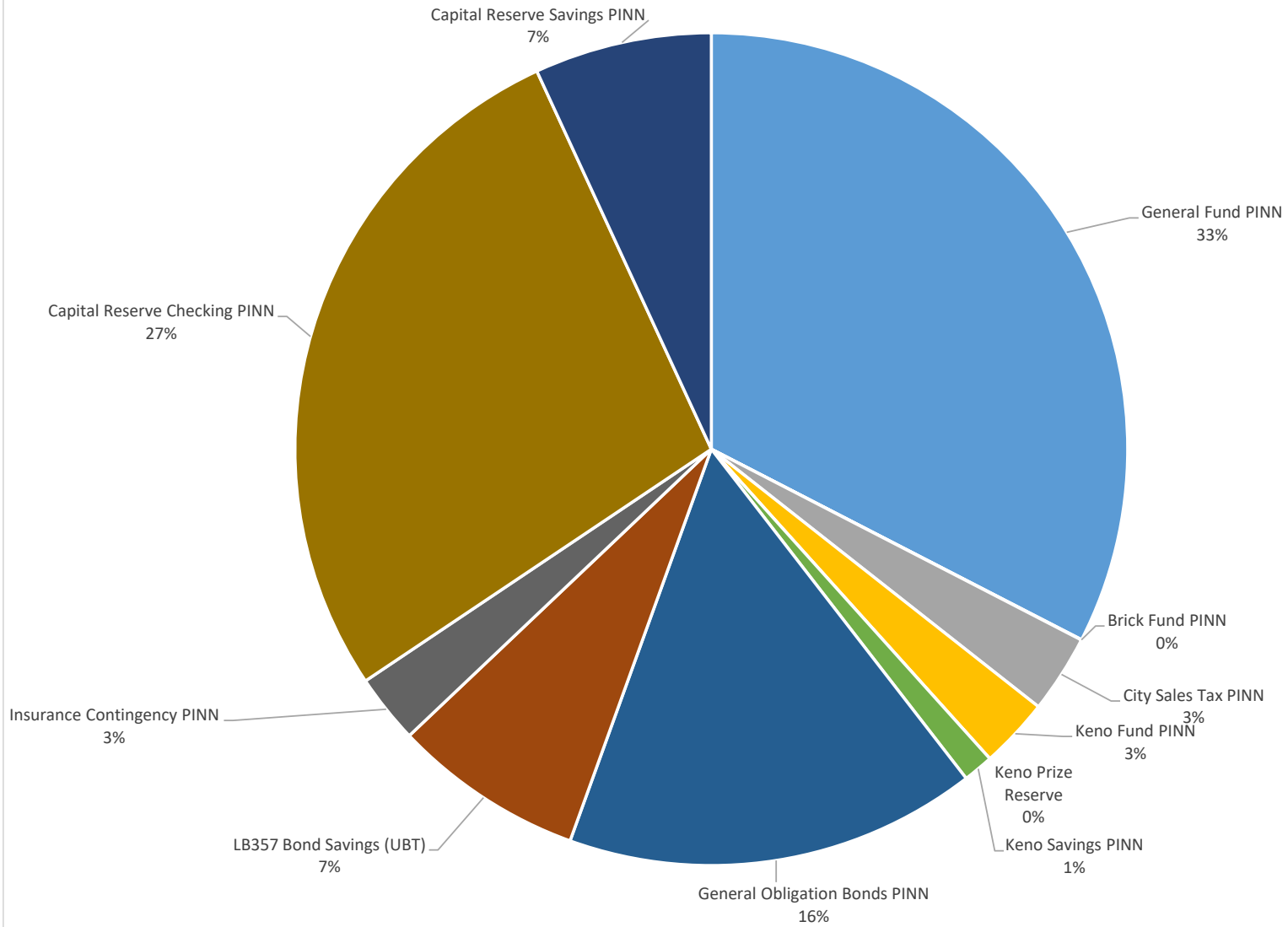
City of Crete
Treasurer's Report

UTILITY FUNDS CASH

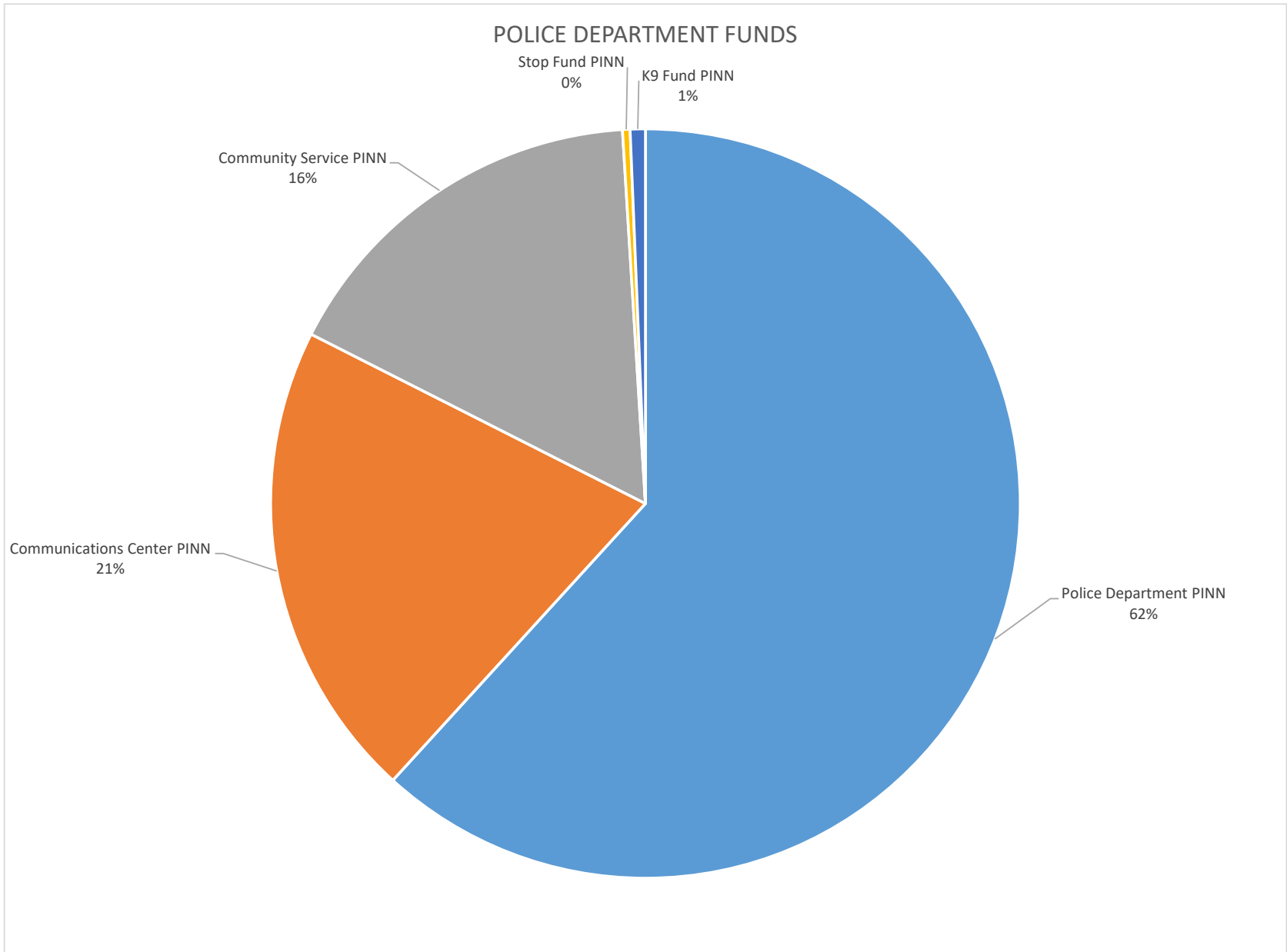


City of Crete
Treasurer's Report

GENERAL FUND CASH

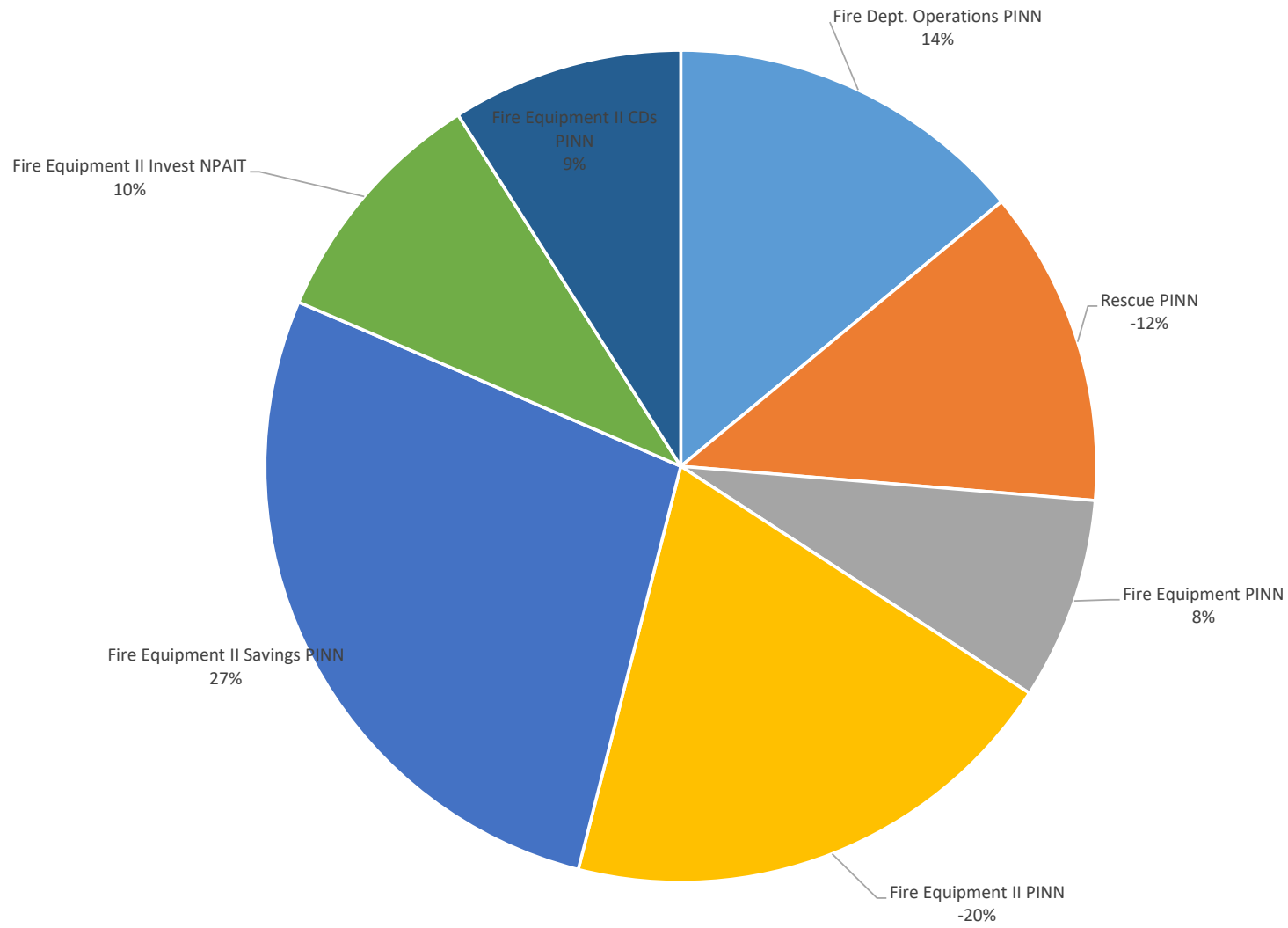


City of Crete
Treasurer's Report



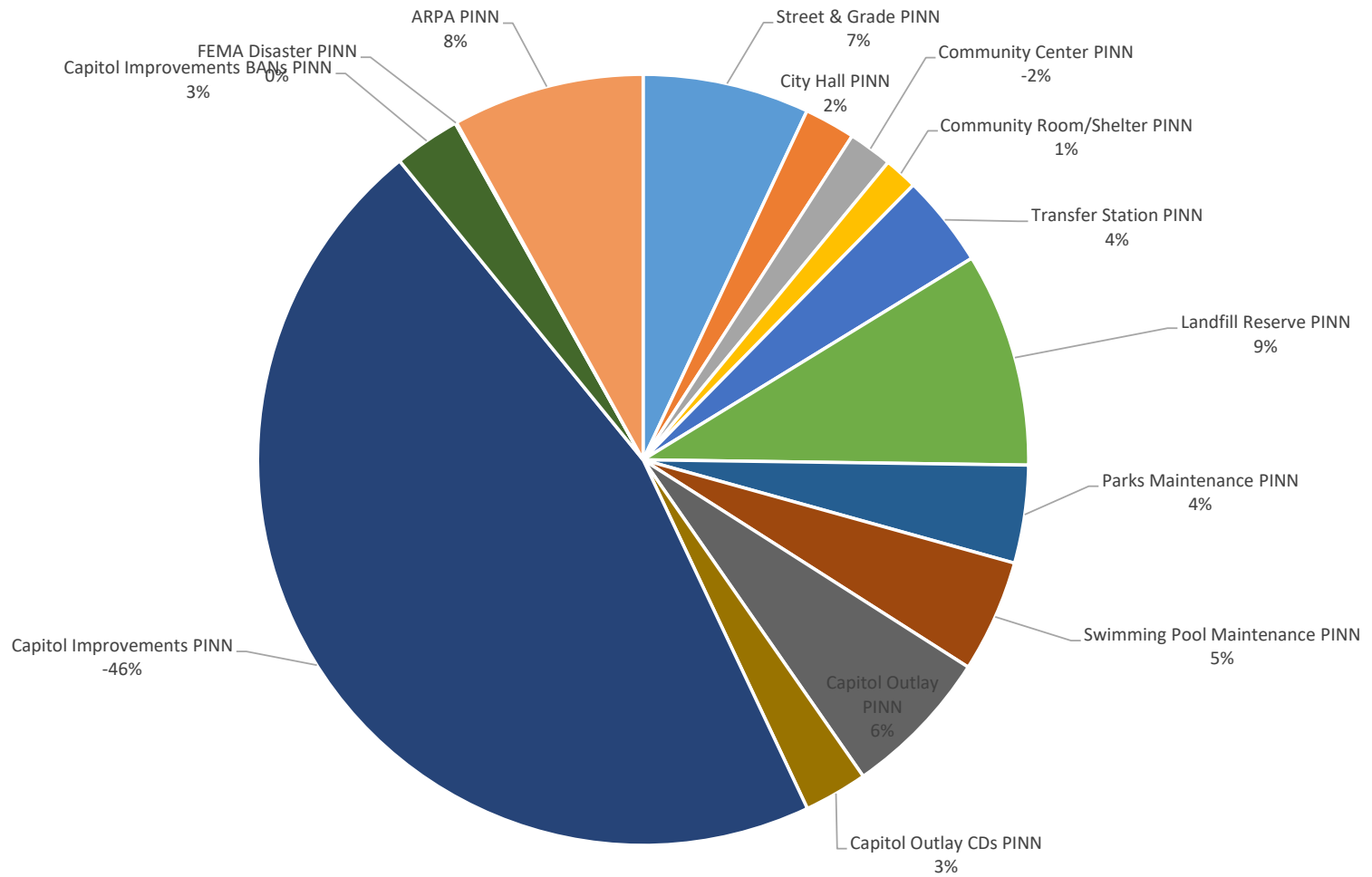
City of Crete
Treasurer's Report

FIRE & RESCUE FUNDS



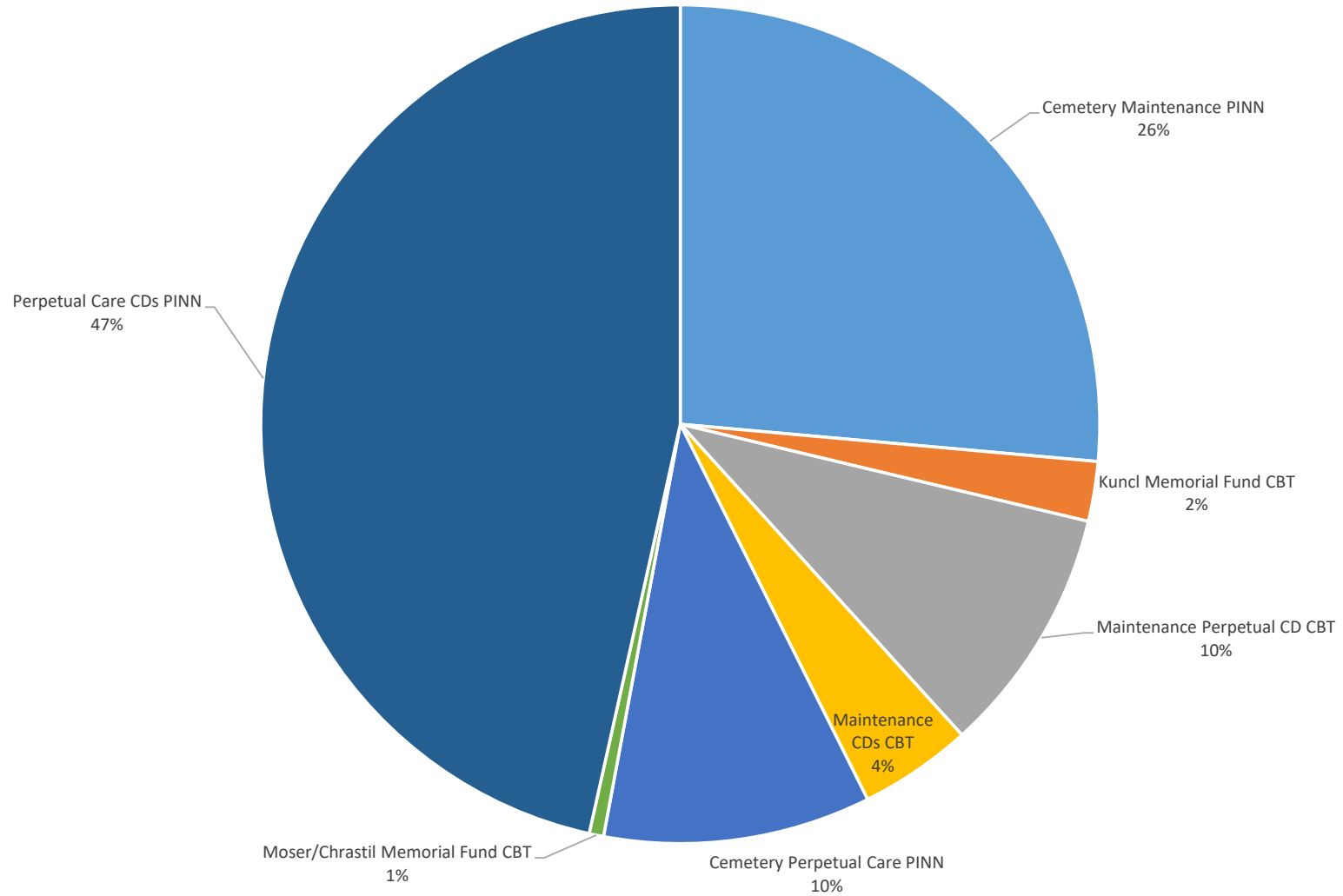
City of Crete
Treasurer's Report

PUBLIC WORKS FUNDS



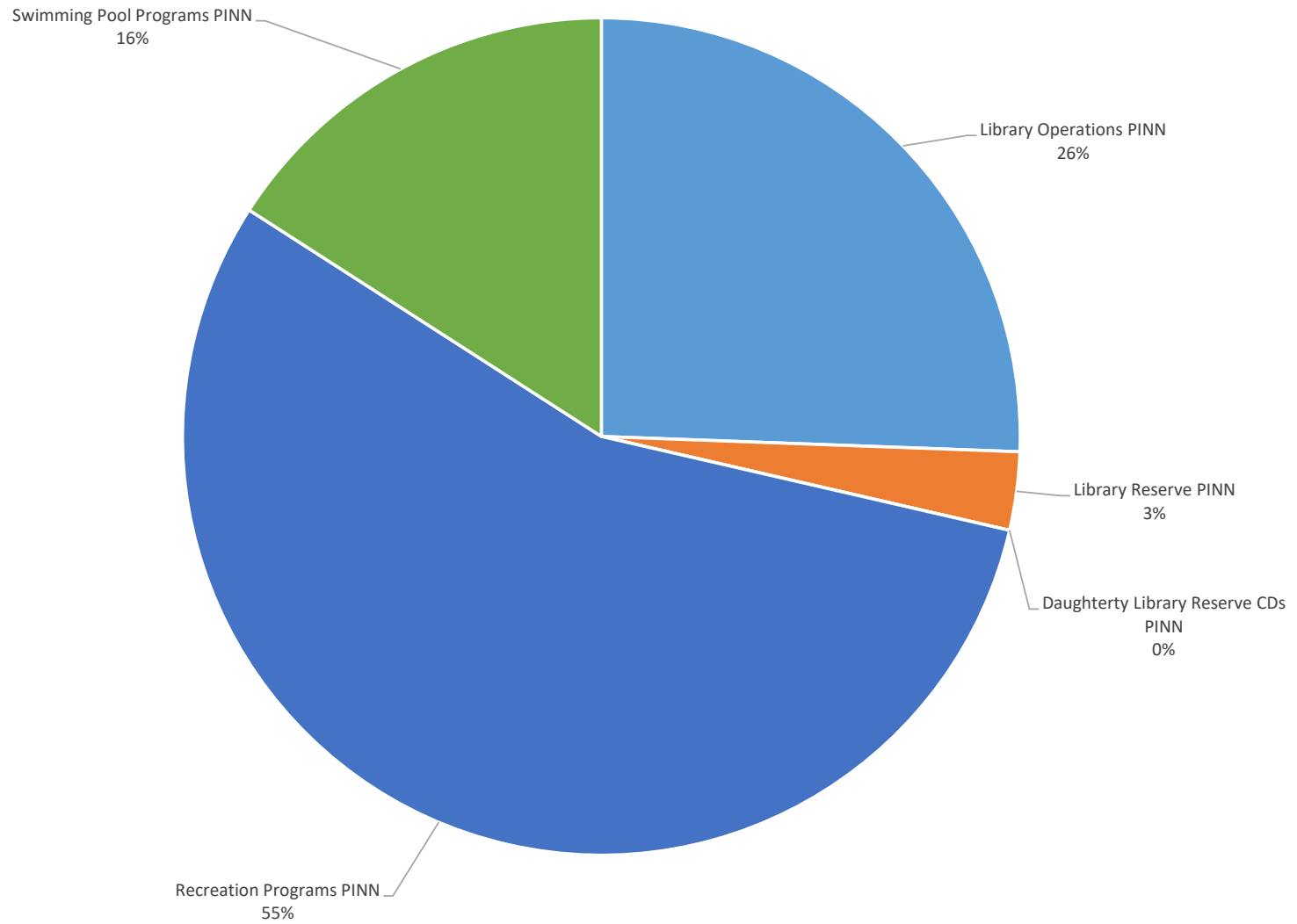
City of Crete
Treasurer's Report

CEMETERY FUNDS

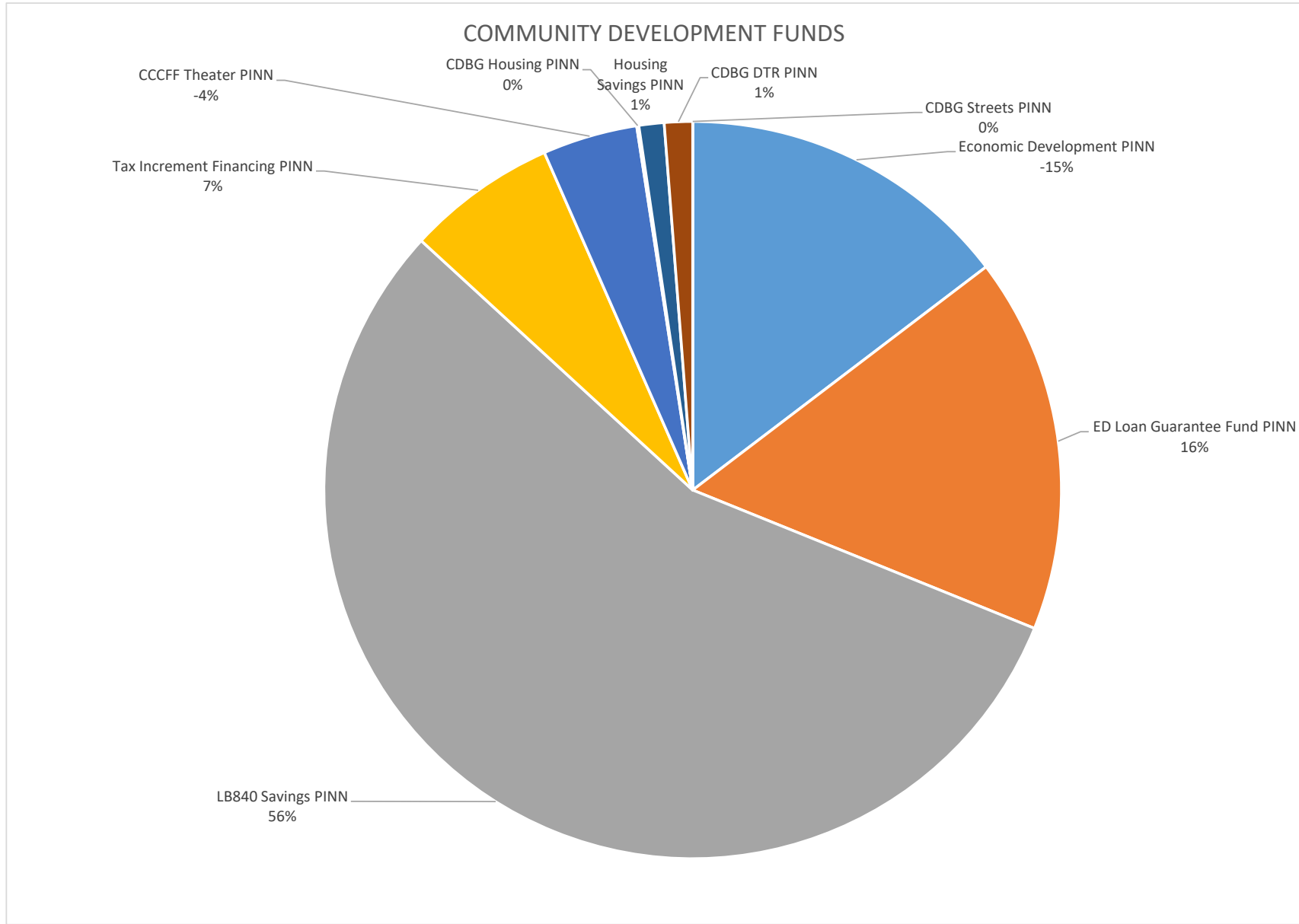


City of Crete
Treasurer's Report

CULTURAL AND RECREATION FUNDS

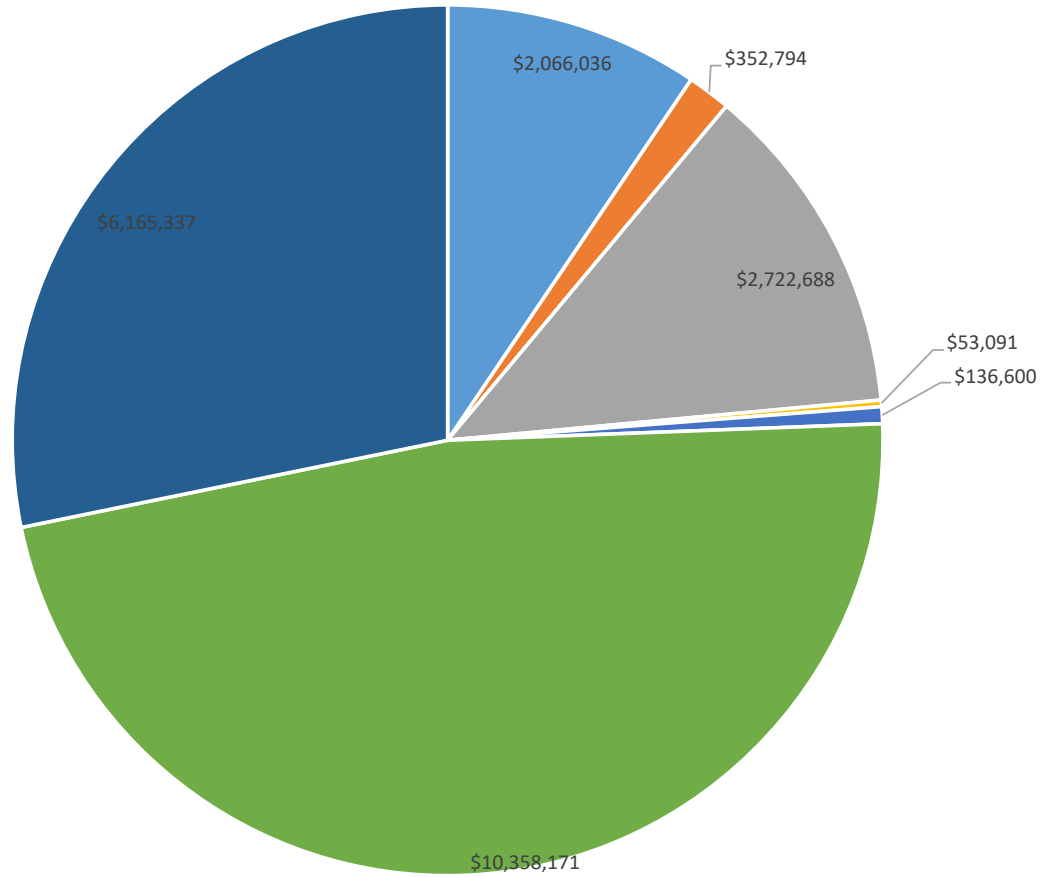


City of Crete
Treasurer's Report



**City of Crete
Treasurer's Report**

Financial Institution Distribution



■ Nebraska Class 9.45% ■ XBP Utah 1.61% ■ WELLS FARGO Lincoln 12.46% ■ NPAIT 0.26% ■ UBT Crete 0.63% ■ PINNACLE Crete 47.40% ■ CITY BANK Crete 28.21%

LOCAL	76.23%
NON-LOCAL	23.78%

Report Criteria:

Vendor.Vendor number = 0-1059,1061-99999999

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
4IMPRINT INC (6693)								
4IMPRINT INC	1	Invoice	OFFICE SUPPLIES	08/21/2024	174.37		00/00	701-9900
Total 4IMPRINT INC (6693):					174.37			
AKRS EQUIPMENT (80)								
AKRS EQUIPMENT	1	Invoice	MOWER REPAIR	08/20/2024	762.69		00/00	521-5791
AKRS EQUIPMENT	1	Invoice	MOWER BLADES	08/22/2024	39.04		00/00	521-5332
Total AKRS EQUIPMENT (80):					801.73			
ALTEC INDUSTRIES INC (140)								
ALTEC INDUSTRIES INC	1	Invoice	PRESSURE TRANSDUCE	08/15/2024	1,120.54	1616	00/00	001-8460
ALTEC INDUSTRIES INC	2	Invoice	PF PULSAR CARTRIDGE	08/15/2024	337.22	1616	00/00	001-8460
Total ALTEC INDUSTRIES INC (140):					1,457.76			
AMAZON BUSINESS (6116)								
AMAZON BUSINESS	1	Invoice	KEYLESS ENTRY FOR DI	08/13/2024	89.00		00/00	201-5329
AMAZON BUSINESS	1	Invoice	BODY CAMERA HOLDER	08/16/2024	97.32		00/00	531-6477
AMAZON BUSINESS	1	Invoice	DRINKIN FOUNTAIN FILT	08/22/2024	114.87		00/00	201-5329
AMAZON BUSINESS	1	Invoice	POPCORN POPPER	08/21/2024	68.57		00/00	702-5692
AMAZON BUSINESS	1	Invoice	OFFICE SUPPLIES	08/21/2024	34.62		00/00	701-9900
AMAZON BUSINESS	1	Invoice	FRIENDS DONATIONS	08/23/2024	148.99		00/00	702-5692
AMAZON BUSINESS	1	Invoice	BOOKS/MAGAZINES	08/25/2024	74.72		00/00	701-5691
AMAZON BUSINESS	1	Invoice	FRIENDS DONATIONS	08/26/2024	274.55		00/00	702-5692
AMAZON BUSINESS	1	Invoice	OFFICE SUPPLIES	08/28/2024	25.73		00/00	701-9900
AMAZON BUSINESS	1	Invoice	PROGRAM EXPENSE	08/28/2024	11.19		00/00	701-6210
AMAZON BUSINESS	1	Invoice	OFFICE SUPPLIES	08/28/2024	39.99		00/00	701-9900
AMAZON BUSINESS	1	Invoice	BOOKS/MAGAZINES	08/28/2024	47.16		00/00	701-5691
AMAZON BUSINESS	1	Invoice	FRIENDS DONATIONS	08/28/2024	221.42		00/00	702-5692
Total AMAZON BUSINESS (6116):					1,248.13			
AQUA PLUMBING (255)								
AQUA PLUMBING	1	Invoice	SERVICE LINE BREAK RE	08/21/2024	652.50		00/00	002-8031

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
Total AQUA PLUMBING (255):					652.50			
AQUA-CHEM INC (260)								
AQUA-CHEM INC	1	Invoice	UN1791, HYPOCHLORITE	08/20/2024	230.27	1618	00/00	002-7041
AQUA-CHEM INC	2	Invoice	UN1490, POTASSIUM PE	08/20/2024	1,306.12	1618	00/00	002-7041
AQUA-CHEM INC	3	Invoice	42LB PAIL CS 335	08/20/2024	167.38	1618	00/00	002-7041
Total AQUA-CHEM INC (260):					1,703.77			
BAKER & TAYLOR (370)								
BAKER & TAYLOR	1	Invoice	BOOKS/MAGAZINES	08/19/2024	106.30		00/00	701-5691
Total BAKER & TAYLOR (370):					106.30			
BEATRICE CONCRETE CO (440)								
BEATRICE CONCRETE CO	1	Invoice	CONCRETE	08/20/2024	282.30		00/00	601-5330
Total BEATRICE CONCRETE CO (440):					282.30			
BLACK HILLS ENERGY (495)								
BLACK HILLS ENERGY	1	Invoice	7206-4149-30 701 E 4TH	08/21/2024	138.07		00/00	522-7530
BLACK HILLS ENERGY	1	Invoice	4163-7774-56 1440 LINDE	08/20/2021	143.58		00/00	001-7040
BLACK HILLS ENERGY	1	Invoice	9755-6163-66 239 E 13TH	08/27/2024	43.17		00/00	501-7530
BLACK HILLS ENERGY	1	Invoice	2392-3387-65 1426 MAIN	08/27/2024	42.09		00/00	502-7530
BLACK HILLS ENERGY	1	Invoice	7515-0723-40 210 E 14TH	08/27/2024	54.92		00/00	301-7530
BLACK HILLS ENERGY	1	Invoice	0865-5518-13 1515 FORE	08/27/2024	490.77		00/00	701-7530
BLACK HILLS ENERGY	1	Invoice	4432-1028-11 485 S MAIN	08/27/2024	87.39		00/00	003-7530
Total BLACK HILLS ENERGY (495):					999.99			
CAPITAL UMPIRES ASSOCIATION (6391)								
CAPITAL UMPIRES ASSOCIATION	1	Invoice	UMPIRE FEES	08/20/2024	2,380.00		00/00	721-5340
Total CAPITAL UMPIRES ASSOCIATION (6391):					2,380.00			
CDW GOVERNMENT INC (750)								
CDW GOVERNMENT INC	1	Invoice	NETWORK SWTICH BATT	08/13/2024	27.29		00/00	101-5790
CDW GOVERNMENT INC	2	Invoice	NETWORK SWTICH BATT	08/13/2024	66.71		00/00	201-5790
CDW GOVERNMENT INC	3	Invoice	NETWORK SWTICH BATT	08/13/2024	21.23		00/00	401-5790
CDW GOVERNMENT INC	4	Invoice	NETWORK SWTICH BATT	08/13/2024	6.06		00/00	601-6050

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
CDW GOVERNMENT INC	5	Invoice	NETWORK SWTICH BATT	08/13/2024	27.29		00/00	301-5790
CDW GOVERNMENT INC	6	Invoice	NETWORK SWTICH BATT	08/13/2024	66.71		00/00	701-5790
CDW GOVERNMENT INC	7	Invoice	NETWORK SWTICH BATT	08/13/2024	15.16		00/00	721-5790
CDW GOVERNMENT INC	8	Invoice	NETWORK SWTICH BATT	08/13/2024	42.45		00/00	001-9910
CDW GOVERNMENT INC	9	Invoice	NETWORK SWTICH BATT	08/13/2024	15.17		00/00	002-9910
CDW GOVERNMENT INC	10	Invoice	NETWORK SWTICH BATT	08/13/2024	15.16		00/00	003-9910
CDW GOVERNMENT INC	1	Invoice	VIEWSONIC MONITOR	07/23/2024	167.39		00/00	702-5692
CDW GOVERNMENT INC	1	Invoice	STARTECH USB 3.1 DUP	07/24/2024	89.04		00/00	101-6050
CDW GOVERNMENT INC	1	Invoice	TRIPP 3FT CAT6 SNAGLE	07/24/2024	84.60		00/00	201-5540
CDW GOVERNMENT INC	1	Invoice	ARUBA 2930F 48GPOE+7	07/17/2024	8,153.16		00/00	201-6050
CDW GOVERNMENT INC	1	Invoice	CREDIT MEMO	08/27/2024	1,797.95-		00/00	201-6050
CDW GOVERNMENT INC	1	Invoice	CREDIT MEMO	08/28/2024	3,595.90-		00/00	201-6050
Total CDW GOVERNMENT INC (750):					3,403.57			
CENGAGE LEARNING INC/GALE (1890)								
CENGAGE LEARNING INC/GALE	1	Invoice	BOOKS/MAGAZINES	08/20/2024	127.95		00/00	701-5691
Total CENGAGE LEARNING INC/GALE (1890):					127.95			
CENTER POINT LARGE PRINT (765)								
CENTER POINT LARGE PRINT	1	Invoice	BOOKS/MAGAZINES	08/14/2024	70.11		00/00	701-5691
Total CENTER POINT LARGE PRINT (765):					70.11			
CITY HALL FUND (830)								
CITY HALL FUND	1	Invoice	DEPARTMENT OFFICE R	09/01/2024	548.00		00/00	001-9680
CITY HALL FUND	2	Invoice	DEPARTMENT OFFICE R	09/01/2024	412.00		00/00	002-9680
CITY HALL FUND	3	Invoice	DEPARTMENT OFFICE R	09/01/2024	265.00		00/00	003-9680
CITY HALL FUND	4	Invoice	DEPARTMENT OFFICE R	09/01/2024	187.50		00/00	101-9680
CITY HALL FUND	5	Invoice	DEPARTMENT OFFICE R	09/01/2024	150.00		00/00	401-9680
CITY HALL FUND	6	Invoice	DEPARTMENT OFFICE R	09/01/2024	37.50		00/00	721-9680
Total CITY HALL FUND (830):					1,600.00			
CITY HEALTH FUND (835)								
CITY HEALTH FUND	1	Invoice	HEALTH REIMBURSEME	09/01/2024	220.00		00/00	101-9620
CITY HEALTH FUND	2	Invoice	HEALTH REIMBURSEME	09/01/2024	260.00		00/00	201-9620
CITY HEALTH FUND	3	Invoice	HEALTH REIMBURSEME	09/01/2024	40.00		00/00	203-9620
CITY HEALTH FUND	4	Invoice	HEALTH REIMBURSEME	09/01/2024	220.00		00/00	401-9620
CITY HEALTH FUND	5	Invoice	HEALTH REIMBURSEME	09/01/2024	80.00		00/00	601-9620

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
CITY HEALTH FUND	6	Invoice	HEALTH REIMBURSEME	09/01/2024	320.00		00/00	701-9620
CITY HEALTH FUND	7	Invoice	HEALTH REIMBURSEME	09/01/2024	500.00		00/00	001-9620
CITY HEALTH FUND	8	Invoice	HEALTH REIMBURSEME	09/01/2024	220.00		00/00	002-9620
CITY HEALTH FUND	9	Invoice	HEALTH REIMBURSEME	09/01/2024	140.00		00/00	003-9620
Total CITY HEALTH FUND (835):					2,000.00			
CITY REVENUE FUND (860)								
CITY REVENUE FUND	1	Invoice	FUEL OIL RECOVERY	09/01/2024	61.65		00/00	001-7090
CITY REVENUE FUND	2	Invoice	GAS PUMPS	09/01/2024	52.72		00/00	001-9670
CITY REVENUE FUND	3	Invoice	WATER (4)	09/01/2024	10,448.95		00/00	002-7100
CITY REVENUE FUND	4	Invoice	SEWER	09/01/2024	1,345.59		00/00	003-7530
CITY REVENUE FUND	5	Invoice	GENERAL (POLICE 1)	09/01/2024	839.61		00/00	201-5215
CITY REVENUE FUND	6	Invoice	GENERAL (POLICE 8)	09/01/2024	33.00		00/00	201-5610
CITY REVENUE FUND	7	Invoice	CITY HALL	09/01/2024	1,084.91		00/00	501-7530
CITY REVENUE FUND	8	Invoice	STREET & GRADE (6)	09/01/2024	3,307.79		00/00	401-7530
CITY REVENUE FUND	9	Invoice	STREET & GRADE (7)	09/01/2024	159.74		00/00	401-5890
CITY REVENUE FUND	10	Invoice	FIRE MAINT.	09/01/2024	703.77		00/00	301-7530
CITY REVENUE FUND	11	Invoice	CEMETERY	09/01/2024	44.46		00/00	601-7530
CITY REVENUE FUND	12	Invoice	SAN. LANDFILL	09/01/2024	42.17		00/00	511-7530
CITY REVENUE FUND	13	Invoice	LIBRARY	09/01/2024	1,715.47		00/00	701-7530
CITY REVENUE FUND	14	Invoice	PARK & REC	09/01/2024	1,298.91		00/00	521-7530
CITY REVENUE FUND	15	Invoice	THEATRE	09/01/2024	.00		00/00	810-5210
CITY REVENUE FUND	16	Invoice	SWIMMING POOL	09/01/2024	57.35		00/00	522-7530
CITY REVENUE FUND	17	Invoice	COMM. DEVELOP.	09/01/2024	101.48		00/00	101-6201
CITY REVENUE FUND	18	Invoice	CHARGING STATION	09/01/2024	.00		00/00	001-9890
CITY REVENUE FUND	19	Invoice	COMMUNITY ROOM	09/01/2024	571.83		00/00	503-7530
CITY REVENUE FUND	1	Invoice	ELECTRIC	09/01/2024	604.34		00/00	001-7060
CITY REVENUE FUND	2	Invoice	POLICE	09/01/2024	42.04		00/00	201-5215
CITY REVENUE FUND	3	Invoice	CITY HALL	09/01/2024	74.48		00/00	501-7530
CITY REVENUE FUND	4	Invoice	STREET & GRADE	09/01/2024	41.17		00/00	401-7530
CITY REVENUE FUND	5	Invoice	FIRE MAINT.	09/01/2024	36.78		00/00	301-7530
CITY REVENUE FUND	6	Invoice	LIBRARY	09/01/2024	25.29		00/00	701-7530
CITY REVENUE FUND	7	Invoice	PARK BLDG	09/01/2024	.00		00/00	721-7530
CITY REVENUE FUND	8	Invoice	SWIMMING POOL	09/01/2024	38.88		00/00	522-7530
CITY REVENUE FUND	9	Invoice	THEATRE	09/01/2024	.00		00/00	810-5210
CITY REVENUE FUND	10	Invoice	PARK & REC	09/01/2024	220.53		00/00	521-7530
CITY REVENUE FUND	11	Invoice	COMMUNITY ROOM	09/01/2024	8.43		00/00	503-7530
CITY REVENUE FUND	1	Invoice	ELECTRIC	09/01/2024	175.33		00/00	001-7060
CITY REVENUE FUND	2	Invoice	SEWER REV	09/01/2024	553.63		00/00	003-7530
CITY REVENUE FUND	3	Invoice	POLICE	09/01/2024	135.86		00/00	201-5215

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
CITY REVENUE FUND	4	Invoice	CITY HALL	09/01/2024	389.84		00/00	501-7530
CITY REVENUE FUND	5	Invoice	STREET & GRADE	09/01/2024	318.96		00/00	401-7530
CITY REVENUE FUND	6	Invoice	FIRE MAINT.	09/01/2024	76.73		00/00	301-7530
CITY REVENUE FUND	7	Invoice	CEMETERY	09/01/2024	22.77		00/00	601-7530
CITY REVENUE FUND	8	Invoice	LANDFILL	09/01/2024	.00		00/00	511-7530
CITY REVENUE FUND	9	Invoice	LIBRARY	09/01/2024	176.82		00/00	701-7530
CITY REVENUE FUND	10	Invoice	PARKS & REC	09/01/2024	543.44		00/00	521-7530
CITY REVENUE FUND	11	Invoice	THEATRE	09/01/2024	.00		00/00	810-5210
CITY REVENUE FUND	12	Invoice	SWIMMING POOL	09/01/2024	783.63		00/00	522-7530
CITY REVENUE FUND	13	Invoice	PARK BLDG	09/01/2024	.00		00/00	721-7530
CITY REVENUE FUND	14	Invoice	AIRPORT	09/01/2024	32.57		00/00	050-7530
CITY REVENUE FUND	15	Invoice	COMMUNITY ROOM	09/01/2024	58.94		00/00	503-7530
CITY REVENUE FUND	1	Invoice	PAPER TOWELS	08/22/2024	32.57		00/00	401-5541
CITY REVENUE FUND	1	Invoice	PAPER TOWELS	08/28/2024	65.14		00/00	003-7230
Total CITY REVENUE FUND (860):					26,327.57			
CITY TAX FUND (865)								
CITY TAX FUND	1	Invoice	ELECTRIC SURPLUS & F	09/01/2024	29,167.00		00/00	001-9960
CITY TAX FUND	2	Invoice	ELECTRIC SURPLUS & F	09/01/2024	10,000.00		00/00	001-9965
CITY TAX FUND	1	Invoice	LIBRARY BOND PAYMEN	09/01/2024	21,000.00		00/00	150-1015
Total CITY TAX FUND (865):					60,167.00			
CONSOLIDATED MANAGEMENT COMPANY (955)								
CONSOLIDATED MANAGEMENT COMPANY	1	Invoice	MEETING/TRAINING	08/14/2024	34.05		00/00	201-9760
Total CONSOLIDATED MANAGEMENT COMPANY (955):					34.05			
CRETE AREA MEDICAL CENTER (1070)								
CRETE AREA MEDICAL CENTER	1	Invoice	AMBULANCE LAUNDRY	09/01/2024	35.00		00/00	302-8500
Total CRETE AREA MEDICAL CENTER (1070):					35.00			
CRETE POSTMASTER (1120)								
CRETE POSTMASTER	1	Invoice	UTILITY POSTAGE	08/30/2024	435.68		08/24	001-9650
CRETE POSTMASTER	2	Invoice	UTILITY POSTAGE	08/30/2024	435.68		08/24	002-9650
CRETE POSTMASTER	3	Invoice	UTILITY POSTAGE	08/30/2024	435.67		08/24	003-9650
Total CRETE POSTMASTER (1120):					1,307.03			

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
DELL MARKETING LP (1235)								
DELL MARKETING LP	1	Invoice	DELL ULTRASHARP 34 C	08/27/2024	1,276.82		00/00	702-5692
Total DELL MARKETING LP (1235):					1,276.82			
DOAN, TINH (6690)								
DOAN, TINH	1	Invoice	REFUND INDIVIDUAL SWI	08/21/2024	105.00		00/00	722-5901
Total DOAN, TINH (6690):					105.00			
DUTTON LAINSON COMPANY (1450)								
DUTTON LAINSON COMPANY	1	Invoice	CENTRON CN1SR FORM	08/16/2024	10,223.25	1613	00/00	001-2570
Total DUTTON LAINSON COMPANY (1450):					10,223.25			
EAKES OFFICE SOLUTIONS (1475)								
EAKES OFFICE SOLUTIONS	1	Invoice	VINYL GLOVES	08/23/2024	7.32		00/00	521-5332
EAKES OFFICE SOLUTIONS	2	Invoice	OFFICE SUPPLIES	08/23/2024	99.21		00/00	101-9900
EAKES OFFICE SOLUTIONS	1	Invoice	CONTRACT ADMIN FEE &	09/01/2024	153.41		00/00	701-9740
EAKES OFFICE SOLUTIONS	1	Invoice	OFFICE SUPPLIES	08/23/2024	25.00		00/00	001-9900
EAKES OFFICE SOLUTIONS	2	Invoice	OFFICE SUPPLIES	08/23/2024	25.00		00/00	002-9900
EAKES OFFICE SOLUTIONS	3	Invoice	OFFICE SUPPLIES	08/23/2024	22.48		00/00	003-9900
EAKES OFFICE SOLUTIONS	1	Invoice	OFFICE SUPPLIES	05/03/2024	325.85		00/00	201-9900
EAKES OFFICE SOLUTIONS	1	Invoice	OFFICE SUPPLIES	05/17/2024	168.87		00/00	201-9900
EAKES OFFICE SOLUTIONS	1	Invoice	OFFICE SUPPLIES	08/30/2024	45.00		00/00	101-9900
Total EAKES OFFICE SOLUTIONS (1475):					872.14			
EXECUTIVE ANSWERING SERVICE (1670)								
EXECUTIVE ANSWERING SERVICE	1	Invoice	ANSWERING SERVICE	09/01/2024	16.82		00/00	203-9980
EXECUTIVE ANSWERING SERVICE	2	Invoice	ANSWERING SERVICE	09/01/2024	21.03		00/00	401-9980
EXECUTIVE ANSWERING SERVICE	3	Invoice	ANSWERING SERVICE	09/01/2024	.84		00/00	601-9980
EXECUTIVE ANSWERING SERVICE	4	Invoice	ANSWERING SERVICE	09/01/2024	.84		00/00	511-9980
EXECUTIVE ANSWERING SERVICE	5	Invoice	ANSWERING SERVICE	09/01/2024	2.52		00/00	521-9980
EXECUTIVE ANSWERING SERVICE	6	Invoice	ANSWERING SERVICE	09/01/2024	84.09		00/00	001-9980
EXECUTIVE ANSWERING SERVICE	7	Invoice	ANSWERING SERVICE	09/01/2024	21.03		00/00	002-9980
EXECUTIVE ANSWERING SERVICE	8	Invoice	ANSWERING SERVICE	09/01/2024	21.03		00/00	003-9980
Total EXECUTIVE ANSWERING SERVICE (1670):					168.20			

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
GILLIDSYSTEMS (1945)								
GILLIDSYSTEMS	1	Invoice	POOL PASSES ID SCAN	05/22/2024	667.00		00/00	522-8500
Total GILLIDSYSTEMS (1945):					667.00			
HEATH SPORTS (2180)								
HEATH SPORTS	1	Invoice	FLAG FOOTBALL TSHIRT	08/28/2024	306.24		00/00	721-5584
Total HEATH SPORTS (2180):					306.24			
JAY'S OIL CO (2405)								
JAY'S OIL CO	1	Invoice	FUEL - CITY PUMPS DO	08/20/2024	52.68		00/00	201-5800
JAY'S OIL CO	1	Invoice	FUEL - CITY PUMPS DO	08/16/2024	61.45		00/00	201-5800
JAY'S OIL CO	1	Invoice	FUEL - CITY PUMPS DO	08/17/2024	26.90		00/00	201-5800
Total JAY'S OIL CO (2405):					141.03			
JEO CONSULTING GROUP INC. (2425)								
JEO CONSULTING GROUP INC.	1	Invoice	R241285.00 CRETE PHOT	08/23/2024	1,725.00		00/00	001-2000
JEO CONSULTING GROUP INC.	1	Invoice	PRJ#170436.00 ARPA WA	08/28/2024	1,846.25		00/00	561-6031
Total JEO CONSULTING GROUP INC. (2425):					3,571.25			
LINCOLN WINWATER WORKS (2810)								
LINCOLN WINWATER WORKS	1	Invoice	SEWER TAP	08/19/2024	240.80		00/00	003-8021
Total LINCOLN WINWATER WORKS (2810):					240.80			
MAX I WALKER UNIFORM & APPAREL (3035)								
MAX I WALKER UNIFORM & APPAREL	1	Invoice	UNIFORMS	08/21/2024	82.67		00/00	003-9640
MAX I WALKER UNIFORM & APPAREL	1	Invoice	UNIFORMS	08/28/2024	82.67		00/00	003-9640
Total MAX I WALKER UNIFORM & APPAREL (3035):					165.34			
MUNICIPAL ENERGY AGENCY OF NEBRASKA (3310)								
MUNICIPAL ENERGY AGENCY OF NEBRASKA	1	Invoice	PURCHASED POWER-NM	08/19/2024	654,110.77		00/00	001-7260
MUNICIPAL ENERGY AGENCY OF NEBRASKA	2	Invoice	WHEELING EXPENSE	08/19/2024	85,816.29		00/00	001-7820
MUNICIPAL ENERGY AGENCY OF NEBRASKA	3	Invoice	PURCHASED POWER-OT	08/19/2024	6.33		00/00	001-7270
MUNICIPAL ENERGY AGENCY OF NEBRASKA	4	Invoice	GENERATION COMPENS	08/19/2024	25.55		00/00	001-4215

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
Total MUNICIPAL ENERGY AGENCY OF NEBRASKA (3310):					739,907.84			
NAPA AUTO PARTS (3345)								
NAPA AUTO PARTS	1	Invoice	MIRROR	08/16/2024	25.99		00/00	401-5968
NAPA AUTO PARTS	1	Invoice	STARTER	08/20/2024	226.99		00/00	521-5791
NAPA AUTO PARTS	1	Invoice	GEAR 80W-90 QT	08/23/2024	29.97		00/00	050-5791
NAPA AUTO PARTS	1	Invoice	CONTROL-UNIT 32 BUCK	08/22/2024	39.42		00/00	001-8460
Total NAPA AUTO PARTS (3345):					322.37			
NE LAW ENFORCEMENT TRAINING CENTER (5650)								
NE LAW ENFORCEMENT TRAINING CENTER	1	Invoice	TUITION & LODGING - O	08/26/2024	500.00		00/00	201-9760
Total NE LAW ENFORCEMENT TRAINING CENTER (5650):					500.00			
NE PUBLIC HEALTH ENVIRONMENTAL LAB (3480)								
NE PUBLIC HEALTH ENVIRONMENTAL LAB	1	Invoice	LABS	08/19/2024	17.00		00/00	003-7282
Total NE PUBLIC HEALTH ENVIRONMENTAL LAB (3480):					17.00			
NEBRASKALAND TIRE INC (5636)								
NEBRASKALAND TIRE INC	1	Invoice	TIRE REPAIR - INT'L DUM	08/08/2024	161.83		00/00	401-5810
NEBRASKALAND TIRE INC	1	Invoice	NEW TIRE - '03 INT'L DUM	08/27/2024	764.18		00/00	401-5810
Total NEBRASKALAND TIRE INC (5636):					926.01			
ODORISIO, LINDSEY (6691)								
ODORISIO, LINDSEY	1	Invoice	REFUND	08/26/2024	45.00		00/00	721-5901
Total ODORISIO, LINDSEY (6691):					45.00			
OMAHA HENRY DOORLY ZOO & AQUARIUM (3790)								
OMAHA HENRY DOORLY ZOO & AQUARIUM	1	Invoice	ADVENTURE BEGINS AS	08/09/2024	425.00		00/00	702-5692
Total OMAHA HENRY DOORLY ZOO & AQUARIUM (3790):					425.00			
OURADA, TOM (3860)								
OURADA, TOM	1	Invoice	MEAN COMMITTEE MEE	08/26/2024	34.10		00/00	001-9760

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
Total OURADA, TOM (3860):					34.10			
ROSE EQUIPMENT LLC (4350)								
ROSE EQUIPMENT LLC	1	Invoice	PELICAN MAIN BROOM,	08/26/2024	548.00	1620	00/00	401-5771
Total ROSE EQUIPMENT LLC (4350):					548.00			
SALINE COUNTY AGING SERVICES (4430)								
SALINE COUNTY AGING SERVICES	1	Invoice	SR CITIZENS PROGRAM	08/12/2024	8,007.00		00/00	101-6206
Total SALINE COUNTY AGING SERVICES (4430):					8,007.00			
SEWARD COUNTY INDEPENDENT (4590)								
SEWARD COUNTY INDEPENDENT	1	Invoice	HEARINGS	08/21/2024	13.58		00/00	101-5390
SEWARD COUNTY INDEPENDENT	1	Invoice	HEARINGS	08/21/2024	35.91		00/00	101-5390
SEWARD COUNTY INDEPENDENT	1	Invoice	PLANNING COMMISSION	08/21/2024	11.82		00/00	101-5480
SEWARD COUNTY INDEPENDENT	1	Invoice	PROCEEDINGS	08/28/2024	178.63		00/00	101-5390
SEWARD COUNTY INDEPENDENT	1	Invoice	HEARINGS	08/28/2024	10.91		00/00	101-5390
SEWARD COUNTY INDEPENDENT	1	Invoice	CITY COUNCIL	08/28/2024	10.91		00/00	101-5390
SEWARD COUNTY INDEPENDENT	1	Invoice	ORDINANCE 2212	08/28/2024	8.64		00/00	101-5390
Total SEWARD COUNTY INDEPENDENT (4590):					270.40			
SID DILLON FORD (4635)								
SID DILLON FORD	1	Invoice	OIL CHANGE/AIR FILTER	08/29/2024	102.42		00/00	201-5801
Total SID DILLON FORD (4635):					102.42			
SIGN SOLUTIONS USA LLC (5832)								
SIGN SOLUTIONS USA LLC	1	Invoice	NO OUTLET SIGNS	08/20/2024	127.18		00/00	401-6000
Total SIGN SOLUTIONS USA LLC (5832):					127.18			
SMITH, DREW (6692)								
SMITH, DREW	1	Invoice	MEETING/TRAINING	08/26/2024	13.63		00/00	201-9760
SMITH, DREW	2	Invoice	FUEL	08/26/2024	32.85		00/00	201-5800
SMITH, DREW	3	Invoice	MEETING/TRAINING	08/26/2024	14.38		00/00	201-9760
Total SMITH, DREW (6692):					60.86			

Name	Seq	Type	Description	Invoice Date	Total Cost	PO Number	Period	GL Account
UPS (5240)								
UPS	1	Invoice	POSTAGE	08/24/2024	19.74		00/00	003-9650
Total UPS (5240):					19.74			
WILBER PLUMBING, HEATING & AIR (5589)								
WILBER PLUMBING, HEATING & AIR	1	Invoice	WATER FOUNTAIN/BOTT	08/07/2024	1,033.98		00/00	201-5329
WILBER PLUMBING, HEATING & AIR	1	Invoice	REPAIR SINK	08/15/2024	348.13		00/00	201-5329
Total WILBER PLUMBING, HEATING & AIR (5589):					1,382.11			
WINDSTREAM (5465)								
WINDSTREAM	1	Invoice	091958220 - LIBRARY	08/21/2024	295.14		00/00	701-7530
Total WINDSTREAM (5465):					295.14			
Grand Totals:					875,606.37			

Report GL Period Summary

GL Period	Amount
08/24	1,307.03
00/00	874,299.34
Grand Totals:	875,606.37

Vendor number hash: 292777
 Vendor number hash - split: 389671
 Total number of invoices: 98
 Total number of transactions: 183

Terms Description	Invoice Amount	Discount Amount	Net Invoice Amount
Open Terms	875,606.37	.00	875,606.37

<u>Terms Description</u>	<u>Invoice Amount</u>	<u>Discount Amount</u>	<u>Net Invoice Amount</u>
Grand Totals:	875,606.37	.00	875,606.37

Report Criteria:

Vendor.Vendor number = 0-1059,1061-99999999

RESOLUTION NO. 2024-16

RESOLUTION SETTING THE PROPERTY TAX REQUEST

WHEREAS, Nebraska Revised Statute 77-1632 and 77-1633 provides that the Governing Body of the City of Crete passes by a majority vote a resolution or ordinance setting the tax request; and

WHEREAS, a special public hearing was held on September 3, 2024 at 6:00 p.m. as required by law to hear and consider comments concerning the property tax request;

NOW, THEREFORE, **BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF CRETE NEBRASKA:**

1. The 2024-2025 property tax request be set at:

General Fund:	\$	1,304,330.00
Bond Fund:	\$	241,00.00

2. The total assessed value of property differs from last year’s total assessed value by 8.46 percent.

3. The tax rate which would levy the same amount of property taxes as last year, when multiplied by the new total assessed value of property would be 0.332591 per \$100 of assessed value.

4. The City of Crete proposes to adopt a property tax request that will cause its tax rate to be 0.342669 per \$100 of assessed value.

5. Based on the proposed property tax request and changes in other revenue, the total operating budget of the City of Crete will increase last year’s budget by 0.73 percent.

6. A copy of this resolution will be certified and forwarded to the County Clerk on or before October 15, 2024.

Approved this 3rd of September, 2024.

Motion by _____, seconded by _____ to adopt Resolution # 2024-16.

Voting yes were:

Voting no were:

Dated this 3rd day of September, 2024

RESOLUTION NO. 2024-16

RESOLUTION SETTING THE PROPERTY TAX REQUEST

WHEREAS, Nebraska Revised Statute 77-1632 and 77-1633 provides that the Governing Body of the City of Crete passes by a majority vote a resolution or ordinance setting the tax request; and

WHEREAS, a special public hearing was held on September 3, 2024 at 6:00 p.m. as required by law to hear and consider comments concerning the property tax request;

NOW, THEREFORE, **BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF CRETE NEBRASKA:**

- 1. The 2024-2025 property tax request be set at:

General Fund: \$ 1,354,830.00
Bond Fund: \$ 241,00.00

- 2. The total assessed value of property differs from last year’s total assessed value by 8.46 percent.
- 3. The tax rate which would levy the same amount of property taxes as last year, when multiplied by the new total assessed value of property would be 0.332591 per \$100 of assessed value.
- 4. The City of Crete proposes to adopt a property tax request that will cause its tax rate to be 0.353867 per \$100 of assessed value.
- 5. Based on the proposed property tax request and changes in other revenue, the total operating budget of the City of Crete will increase last year’s budget by 0.84 percent.
- 6. A copy of this resolution will be certified and forwarded to the County Clerk on or before October 15, 2024.

Approved this 3rd of September, 2024.

Motion by _____, seconded by _____ to adopt Resolution # 2024-16.

Voting yes were:

Voting no were:

Dated this 3rd day of September, 2024

RESOLUTION NO. 2024-15

A RESOLUTION OF THE CITY OF CRETE, NEBRASKA EQUALIZING, LEVYING AND ASSESSING THE COSTS OF THE IMPROVEMENTS IN AND TO STREET IMPROVEMENT PROJECT NOS. 2022-1, 2, 3, 4, 5, 6, 7, 8, and 9; AND RELATED MATTERS.

BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF CRETE, NEBRASKA:

Section 1. The Mayor and Council have heretofore designated the time and place for considering and levying assessments upon the property specially benefited by the improvements in Street Improvement Project Nos. 2022-1, 2, 3, 4, 5, 6, 7, 8, and 9 (collectively, the **“Projects”**) to pay the cost of constructing the same; notice of the time and place of holding the meeting for said purpose was duly given as provided by statute by publication in the Crete News, a legal newspaper published in this City in accordance with law, such publication being made once each week for at least two weeks before the date of this meeting; the Mayor and the Members of the Council have each personally inspected said street improvements and the real estate abutting on and adjacent thereto; the Mayor and Council have at this session heard all persons who desire to be heard in reference to the valuation of each lot to be assessed and the special benefits or damages thereto and have considered the advice of the engineers in charge of the construction and improvements.

Section 2. The Mayor and City Council further find and determine that the costs of the improvements constructed in each of the Projects are as follows:

STREET IMPROVEMENT PROJECT NO.	GENERAL BENEFIT, STORM SEWERS & INTERSECTIONS	SPECIAL BENEFIT	<u>TOTAL</u>
2022-1	\$190,047.97	\$108,741.86	\$298,789.83
2022-2	\$206,924.42	\$102,616.08	\$309,540.50
2022-3	\$79,447.92	\$97,157.28	\$176,605.20
2022-4	\$97,835.49	\$121,989.12	\$219,824.61
2022-5	\$193,401.78	\$109,019.20	\$302,420.98
2022-6	\$149,435.31	\$115,778.96	\$265,214.27
2022-7	\$129,968.81	\$124,581.60	\$254,550.41
2022-8	\$143,083.31	\$122,130.96	\$265,214.27
2022-9	\$146,522.62	\$103,870.80	\$250,393.42
TOTAL	\$1,336,667.63	\$1,005,885.86	\$2,342,553.49

The Mayor and Council further find and determine that no lot or parcel of land in any Project has been damaged by the construction of such improvements, and that the amount of benefits specially accruing to each lot and parcel of land in each Project by reason of the construction of said improvements exceeds the amount assessed against each lot or parcel of land to pay the cost of said improvements.

Section 3. There is hereby levied and assessed upon the several lots and parcels of land in each Project special assessments to pay the cost of constructing such improvements in the amount in dollars and cents set out in **Schedule 1** hereto attached, and which are made a part hereof by reference. The assessment upon each lot and parcel of land is not in excess of benefits thereto specially accruing from the construction of such improvements, and the special assessments have been apportioned among the several lots and

parcels of land subject to assessments in proportion to the special benefits accruing to said lots and parcels of land respectively from such improvements.

Section 4. Such special assessments shall be a lien on the property on which they are levied from the date of passage of this Resolution and shall be certified by the Clerk to the City Treasurer for collection. The Clerk shall also at the time provided by law cause such assessments or the portion thereof then remaining unpaid to be certified to the County Clerk of Saline County for entry upon the proper tax list. Such assessments shall be payable to the City Treasurer.

Section 5. Such special assessments above provided for shall become due in fifty (50) days after the date of the passage of this Resolution and may be paid within that time without interest, but if not paid, to bear interest thereafter at the rate of seven percent (7%) per annum until delinquent; such assessments shall become delinquent in equal annual installments over a fifteen (15) year period. Delinquent installments shall bear interest at the rate provided by law until paid and shall be collected in the usual manner for the collection of taxes. A certified copy of said assessment schedule be filed by the Clerk with the City Treasurer and with the County Clerk of Saline County, Nebraska, as provided by law.

Approved this 3rd day of September, 2024.

CITY OF CRETE, NEBRASKA

ATTEST:

By: _____
Mayor

By: _____
Clerk

RESOLUTION NO. 2024-17

A RESOLUTION OF THE CITY OF CRETE, SALINE COUNTY, NEBRASKA, TO LEVY SPECIAL ASSESSMENTS AGAINST CERTAIN REAL PROPERTY DESCRIBED AS CRETE CITY NORTH 1/2 OF LOT 5, BLOCK 1, ORIGINAL TOWNSHIP, CITY OF CRETE, SALINE COUNTY, NEBRASKA

WHEREAS in Summer of 2023 Building Inspector, Brad Bailey completed an exterior inspection of the real property described as the North 1/2 of Lot 5, Block 1, Original Township, City of Crete, Saline County, Nebraska; commonly known as 1215 Main Ave, Crete, Nebraska 68333 (the "Property"); and

WHEREAS Neb. Rev. Stat. 19-5401 to 19-5408 authorizes municipalities in the State of Nebraska to create a vacant property registry, charge property owners for holding property on the registry, and assess unpaid charges to the property; and

WHEREAS the City of Crete, Nebraska adopted Crete Municipal Code 11-903 in 2021 to create a vacant property registry for the City of Crete; and

WHEREAS the property at 1215 Main Ave has sat vacant for over one year without any building permits, occupancy permits, listings for rent or listings for sale; and

WHEREAS the property owners, Mario Mendez and Carmelo Lopez were notified the property would be placed the vacant property registry on January 31, 2024; and

WHEREAS Mr. Lopez met with City Administrator, Tom Ourada and Building Inspector, Brad Bailey in February of 2024, where he was informed of what he needed to do to keep the property off of the vacant property registry; and

WHEREAS Mr. Lopez was given one and a half months to acquire building permits for construction at 1215 Main Ave; and

WHEREAS as of April 20, 2024, no permits requests were submitted with the state electrical board or the City of Crete; and

WHEREAS the City allowed Mr. Lopez and Mr. Mendez over 30 days to protest being placed on the vacant property registry and no protests were submitted; and

WHEREAS the costs of \$1,000, the fee for a commercial building on the vacant property registry, has not been paid by Mr. Lopez or Mr. Mendez after multiple bills were sent by the Crete Finance Director, Wendy Thomas; and

WHEREAS notice of a special meeting of the City Council of the City of Crete, Saline County, Nebraska, for the purpose of determining the special assessment of costs associated with being placed on the vacant property registry were delivered upon the Owner by Mail on August 13, 2024 and Published via Legal Newspaper on August 14, and August 21, 2024;

WHEREAS the Owner had an opportunity to attend the meeting and provide testimony and written materials in support or opposition to the proposed special assessment;

NOW THEREFORE BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF CRETE, SALINE COUNTY, NEBRASKA:

Taking into account the impact a vacant property has on the City, there is hereby levied a special assessment in the amount of \$1,000.00 against the real property described below:

North 1/2 of Lot 5, Block 1, Original Township, City of Crete, Saline County, Nebraska; commonly known as 1215 Main Ave, Crete, Nebraska 68333 (the "Property"); and

Such special assessment shall be a lien against the real property on which it is levied and shall draw interest at the rate of fourteen percent (14%) per annum from the date of passage of this Resolution until the same is paid in full. The City Clerk shall forward a notice of special assessment to the County Treasurer for Saline County, Nebraska, with instructions to place upon the records of the office of said County Treasurer the imposition of this lien upon the real property identified above, and said County Treasurer shall be authorized to collect and remit payment of these liens, including interest and filing fees, to the City of Crete, Saline County, Nebraska.

If any section or part of this Resolution is held invalid for any reason, such section or part shall be deemed separable, and the invalidity itself shall not affect the validity of any other provision of this Resolution.

This Resolution shall take effect and be in full force from and after its passage and approval as required by law.

PASSED AND APPROVED THIS 3rd DAY OF SEPTEMBER 2024

Dave Bauer, Mayor

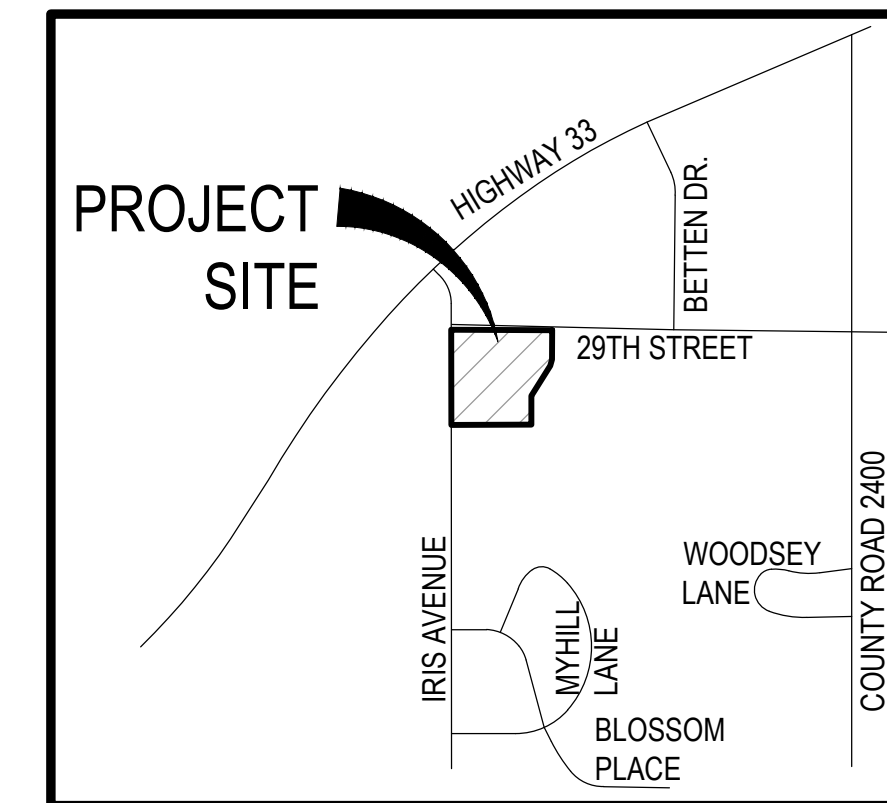
ATTEST:

Nancy Tellez, Clerk

DITTMER COMMERCIAL

PRELIMINARY PLAT

CRETE, NEBRASKA



VICINITY MAP

OWNER/DEVELOPER:
DITTMER & DITTMER, L.L.C.
RON DITTMER, MANAGING MEMBER
P.O. BOX 283
1600 W 12TH
CRETE, NE 68333
402-641-7740

ENGINEER:
E & A CONSULTING GROUP, INC.
RICHARD ONNEN
701 O STREET, SUITE 400
LINCOLN, NE 68508
402-420-7217

SURVEYOR:
CATLETT SURVEYING
THOMAS CATLETT
13650 S. 150TH COURT
BENNET, NE 68317
402-217-5816

LEGAL DESCRIPTION OF PRELIMINARY PLAT

A TRACT OF LAND BEING A PART OF OUTLOT 'A', DITTMER ESTATES ADDITION LOCATED IN THE NE 1/4 OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 4 EAST OF THE 6TH P.M., CITY OF CRETE, SALINE COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

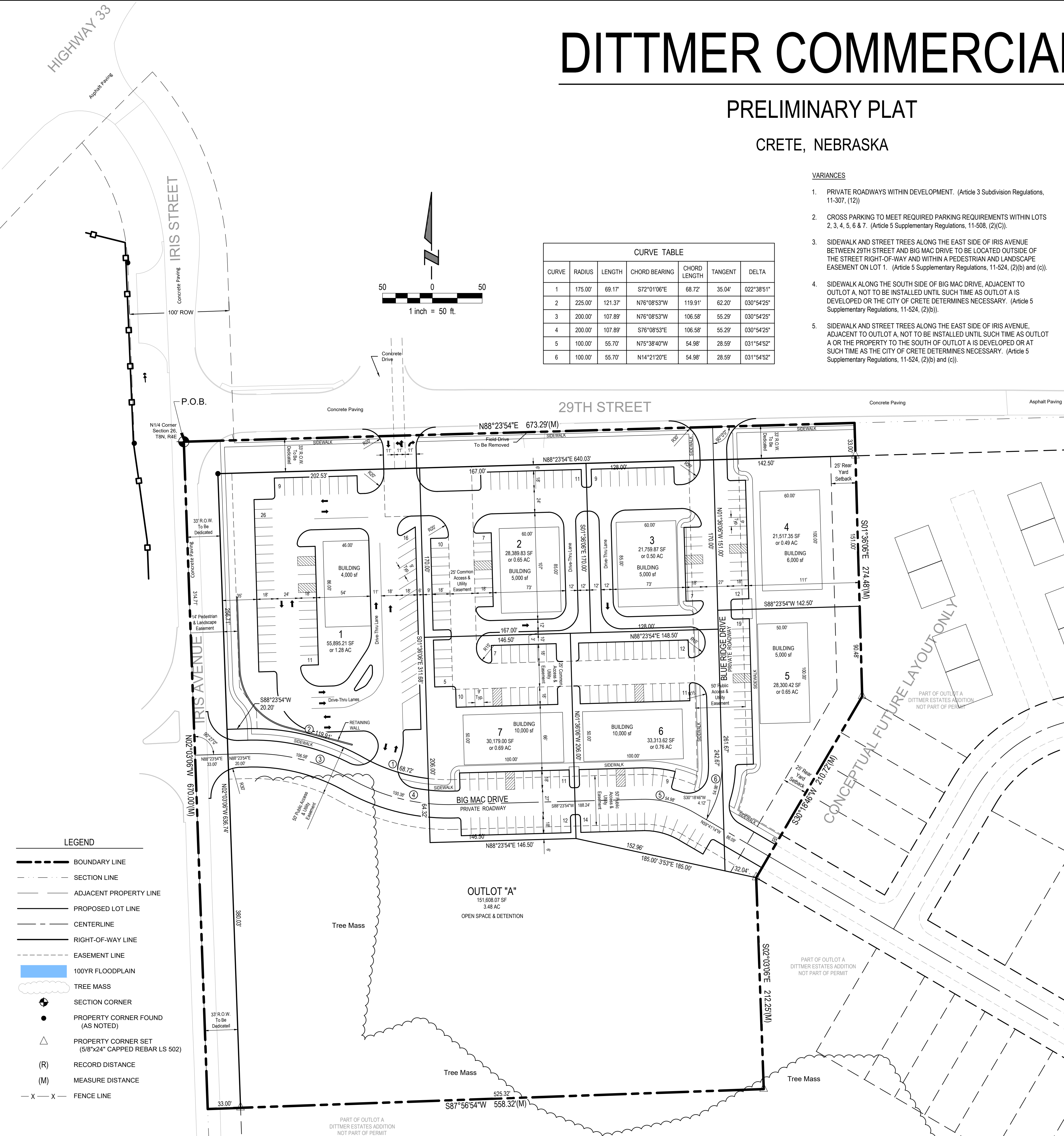
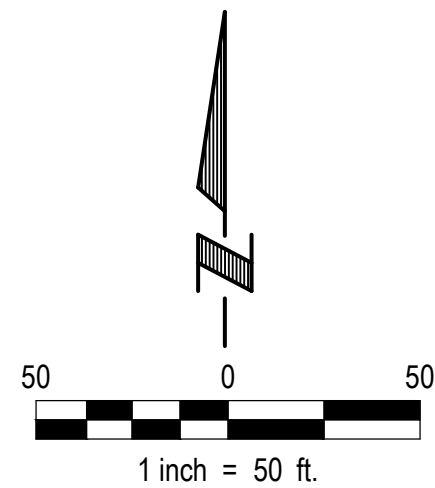
BEGINNING AT THE NORTH 1/4 CORNER OF SAID SECTION 26; THENCE N88°23'54"E (AN ASSUMED BEARING) ALONG THE NORTHERLY LINE OF SAID NE 1/4 OF SECTION 26, A DISTANCE OF 673.29 FEET; THENCE S01°36'06"E, A DISTANCE OF 274.48 FEET; THENCE S30°18'46"W, A DISTANCE OF 210.72 FEET; THENCE S02°03'06"E, A DISTANCE OF 212.25 FEET; THENCE S87°56'54"W, A DISTANCE OF 588.32 FEET TO A POINT ON THE WESTERLY LINE OF SAID NE 1/4 OF SECTION 26; THENCE N02°03'06"W ALONG THE WESTERLY LINE OF SAID NE 1/4 OF SECTION 26, A DISTANCE OF 670.00 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS AN AREA OF 414,194.39 SQUARE FEET OR 9.51 ACRES, MORE OR LESS.

VARIANCES

- PRIVATE ROADWAYS WITHIN DEVELOPMENT. (Article 3 Subdivision Regulations, 11-307, (12)).
- CROSS PARKING TO MEET REQUIRED PARKING REQUIREMENTS WITHIN LOTS 2, 3, 4, 5, 6 & 7. (Article 5 Supplementary Regulations, 11-508, (2)(C)).
- SIDEWALK AND STREET TREES ALONG THE EAST SIDE OF IRIS AVENUE BETWEEN 29TH STREET AND BIG MAC DRIVE TO BE LOCATED OUTSIDE OF THE STREET RIGHT-OF-WAY AND WITHIN A PEDESTRIAN AND LANDSCAPE EASEMENT ON LOT 1. (Article 5 Supplementary Regulations, 11-524, (2)(b) and (c)).
- SIDEWALK ALONG THE SOUTH SIDE OF BIG MAC DRIVE, ADJACENT TO OUTLOT A, NOT TO BE INSTALLED UNTIL SUCH TIME AS OUTLOT A IS DEVELOPED OR THE CITY OF CRETE DETERMINES NECESSARY. (Article 5 Supplementary Regulations, 11-524, (2)(b)).
- SIDEWALK AND STREET TREES ALONG THE EAST SIDE OF IRIS AVENUE ADJACENT TO OUTLOT A, NOT TO BE INSTALLED UNTIL SUCH TIME AS OUTLOT A OR THE PROPERTY TO THE SOUTH OF OUTLOT A IS DEVELOPED OR AT SUCH TIME AS THE CITY OF CRETE DETERMINES NECESSARY. (Article 5 Supplementary Regulations, 11-524, (2)(b) and (c)).

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH	TANGENT	DELTA
1	175.00'	69.17'	S72°01'06"E	68.72'	35.04'	022°38'51"
2	225.00'	121.37'	N76°08'53"W	119.91'	62.20'	030°54'25"
3	200.00'	107.89'	N76°08'53"W	106.58'	55.29'	030°54'25"
4	200.00'	107.89'	S76°08'53"E	106.58'	55.29'	030°54'25"
5	100.00'	55.70'	N75°38'40"W	54.98'	28.59'	031°54'52"
6	100.00'	55.70'	N14°21'20"E	54.98'	28.59'	031°54'52"



LEGEND

- BOUNDARY LINE
- SECTION LINE
- ADJACENT PROPERTY LINE
- PROPOSED LOT LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- EASEMENT LINE
- 100YR FLOODPLAIN
- TREE MASS
- SECTION CORNER
- PROPERTY CORNER FOUND (AS NOTED)
- PROPERTY CORNER SET (5/8"x24" CAPPED REBAR LS 502)
- RECORD DISTANCE (R)
- MEASURE DISTANCE (M)
- FENCE LINE

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	SITE PLAN
2	UTILITY PLAN
3	STREET TREE PLAN
4	GRADING PLAN
5	PROFILE SHEET

LAND SURVEYOR'S CERTIFICATE

I, THOMAS B. CATLETT, NEBRASKA REGISTERED LAND SURVEYOR NO. 502, DULY REGISTERED UNDER THE LAND SURVEYOR'S REGULATION ACT, DO HEREBY STATE THAT I HAVE PERFORMED A SURVEY OF THE LAND DEPICTED ON THE ACCOMPANYING PLAT; THAT SAID PLAT IS A TRUE DELINEATION OF SAID SURVEY PERFORMED PERSONALLY OR UNDER MY DIRECT SUPERVISION; THAT SAID SURVEY WAS MADE WITH REFERENCE TO KNOWN AND RECORDED MONUMENTS, MARKED AS SHOWN, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IS TRUE, CORRECT, AND IN ACCORDANCE WITH THE MINIMUM STANDARDS FOR SURVEYS IN NEBRASKA IN EFFECT AT THE TIME OF THIS SURVEY.

THOMAS B. CATLETT
NEBRASKA R.L.S. NO. 502

DATE

GENERAL NOTES

- THIS PRELIMINARY PLAT CONTAINS 9.22 ACRES.
- THIS PRELIMINARY PLAT INCLUDES 7 COMMERCIAL LOTS AND 1 OUTLOT FOR DETENTION AND OPEN SPACE.
- ZONING IS C-1.
- SETBACKS SHALL MEET THE THE C-1 ZONING REQUIREMENTS.
- RIGHT-OF-WAY ADJACENT TO 29TH STREET AND IRIS STREET SHALL BE DEDICATED TO THE CITY OF CRETE AT TIME OF FINAL PLAT.
- PRIVATE ROADWAYS SHALL HAVE 50 FOOT WIDE PUBLIC ACCESS AND UTILITY EASEMENTS AS SHOWN. PAVEMENT WIDTH SHALL BE 27 FEET WIDE, BACK TO BACK OF CURB.
- PERPENDICULAR PARKING SHALL BE PERMITTED ALONG PRIVATE ROADWAYS.
- PUBLIC ACCESS SHALL BE GRANTED OVER THE 25 FOOT WIDE DRIVEWAYS AS SHOWN.
- ALL OUTLOTS SHALL BE MAINTAINED BY AN ASSOCIATION OF THE COMMERCIAL PROPERTY OWNERS.
- UTILITY EASEMENTS TO BE PROVIDED AS REQUIRED.
- SANITARY SEWER TO BE 8" PIPE TO THE EXISTING MANHOLE LOCATED AT IRIS STREET AND HIGHWAY 33.
- WATER TO BE 6" PIPE CONNECTED TO THE EXISTING WATER MAIN LOCATED ON THE NORTH SIDE OF 29TH STREET.
- TOPOGRAPHIC GRADING CONTOURS ARE AT NAVD 1988.
- ALL LOT LINES ARE CONCEPTUAL AND FINAL PLATS MAY SHOW DIFFERENT LOT DIMENSIONS.
- ALL CURVILINEAR DIMENSIONS ARE CHORD LENGTHS.

CITY OF CRETE PLANNING COMMISSION APPROVAL

THIS PRELIMINARY PLAT OF "DITTMER COMMERCIAL" AS DESCRIBED HAS BEEN APPROVED BY THE PLANNING COMMISSION OF THE CITY OF CRETE, SALINE COUNTY, NEBRASKA ON THE

____ DAY OF _____, 2024

DAVE JURENA, COMMISSION CHAIR

TOM OURADA, ZONING ADMINISTRATOR

CITY OF CRETE CITY COUNCIL APPROVAL

THIS PRELIMINARY PLAT OF "DITTMER COMMERCIAL" AS DESCRIBED HAS BEEN APPROVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRETE, SALINE COUNTY, NEBRASKA ON THE

____ DAY OF _____, 2024

DAVE BAUER, MAYOR

ATTEST
NANCY TELLEZ, CITY CLERK

E & A CONSULTING GROUP, INC.
Engineering • Planning • Environmental & Field Services
2077 N Street, Suite 400 Lincoln, NE 68510-1068
Phone: 402-420-7217
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Engineering Answers

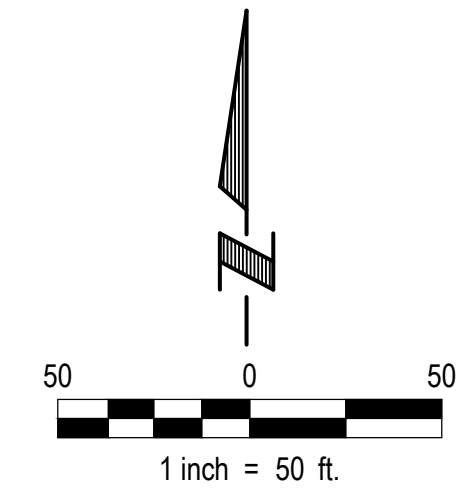
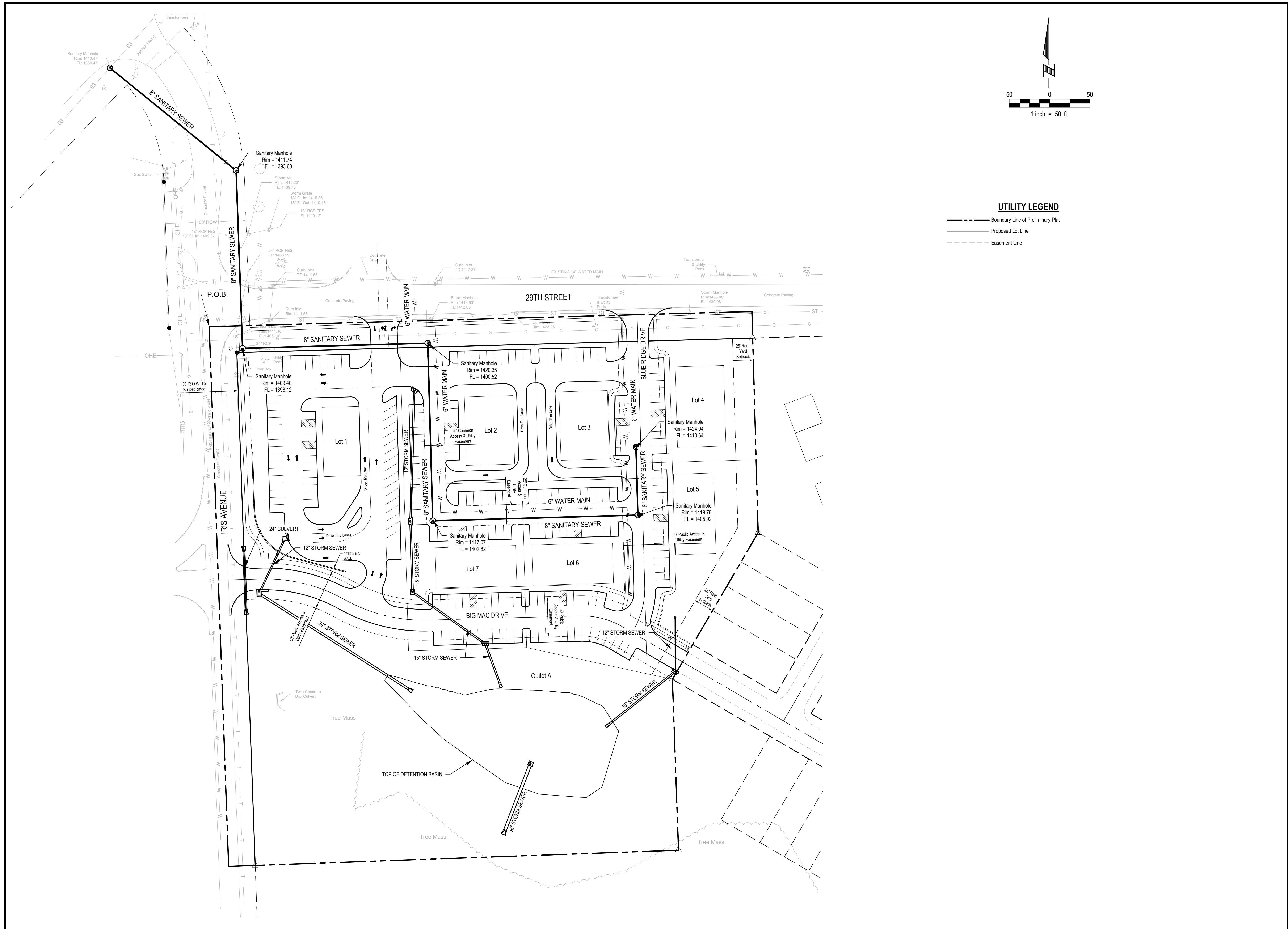
DITTMER COMMERCIAL
PRELIMINARY PLAT
CRETE, NEBRASKA

SITE PLAN

PRELIMINARY
NOT FOR
CONSTRUCTION

Proj No.	Date	Designed By	Drawn By	Scale	Sheet
2022-288-001	08/15/2024	MLK, JJ	MLK, JJ	AS SHOWN	1 of 5

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Nelson-Kirking



UTILITY LEGEND

- Boundary Line of Preliminary Plat
- - - Proposed Lot Line
- - - Easement Line

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DITTMER COMMERCIAL
 PRELIMINARY PLAT
 CRETE, NEBRASKA

UTILITY PLAN

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

Revision	Date	Description
1	08/15/2024	MLK, JJ
2		MLK, JJ
3		AS SHOWN

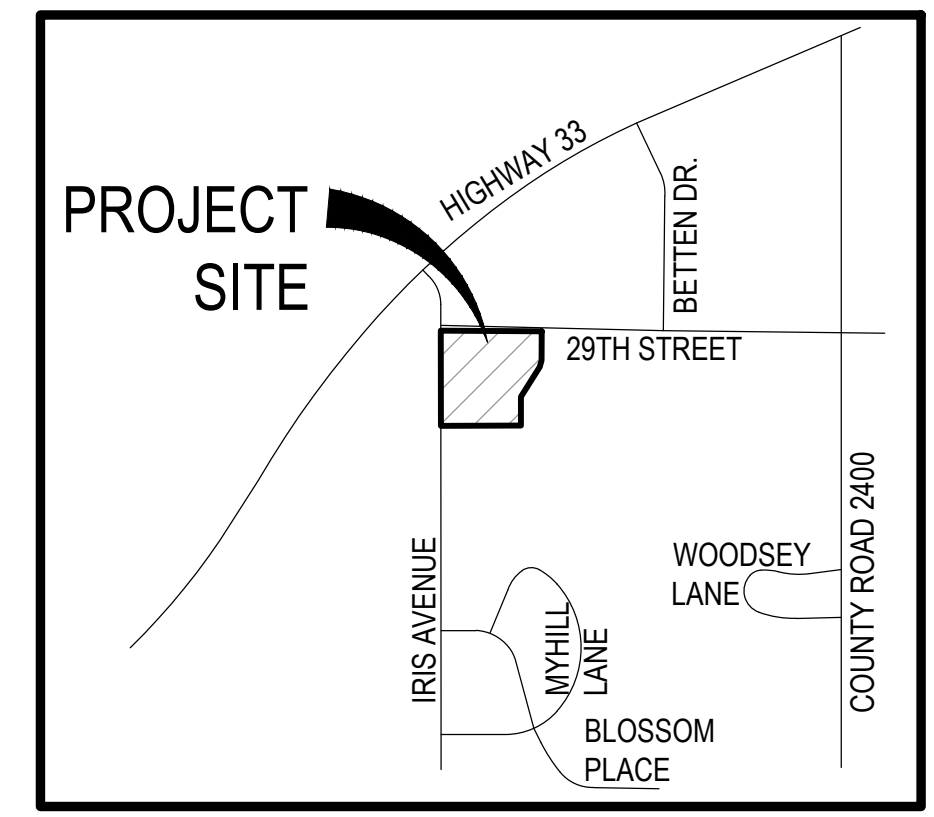
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 Date: 08/15/2024
 Designed By: MLK, JJ
 Drawn By: MLK, JJ
 Scale: AS SHOWN
 Sheet: 2 of 5

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DITTMER COMMERCIAL

PRELIMINARY PLAT

CRETE, NEBRASKA

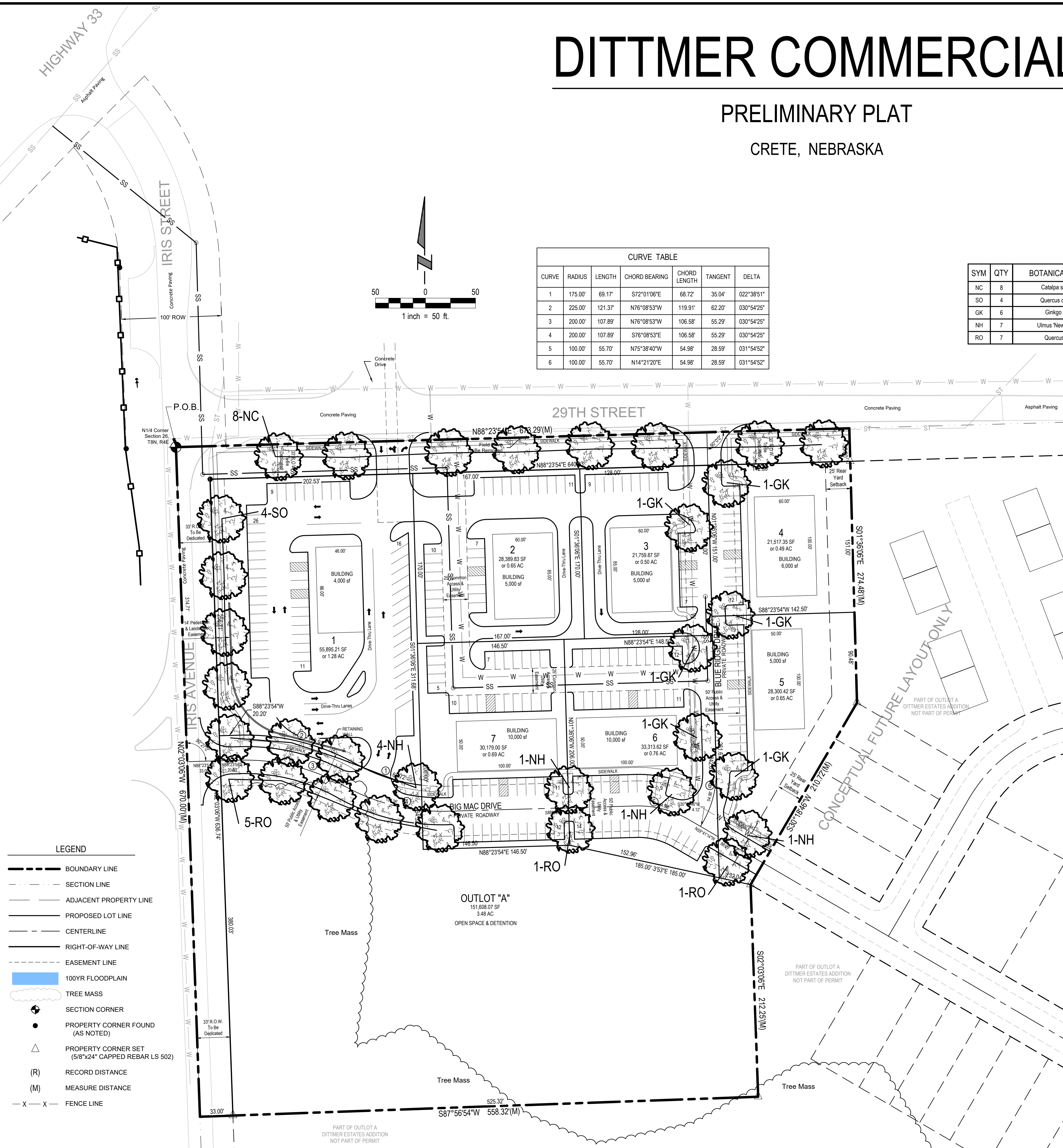
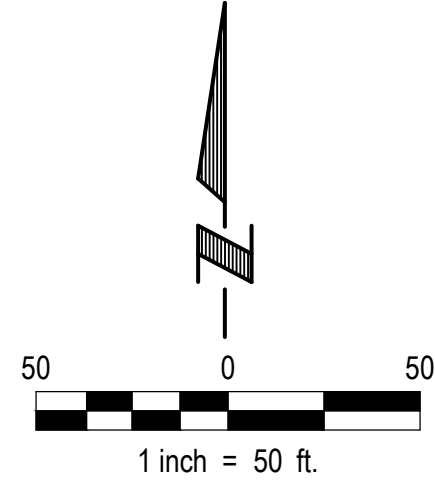


VICINITY MAP

STREET TREE PLANT SCHEDULE

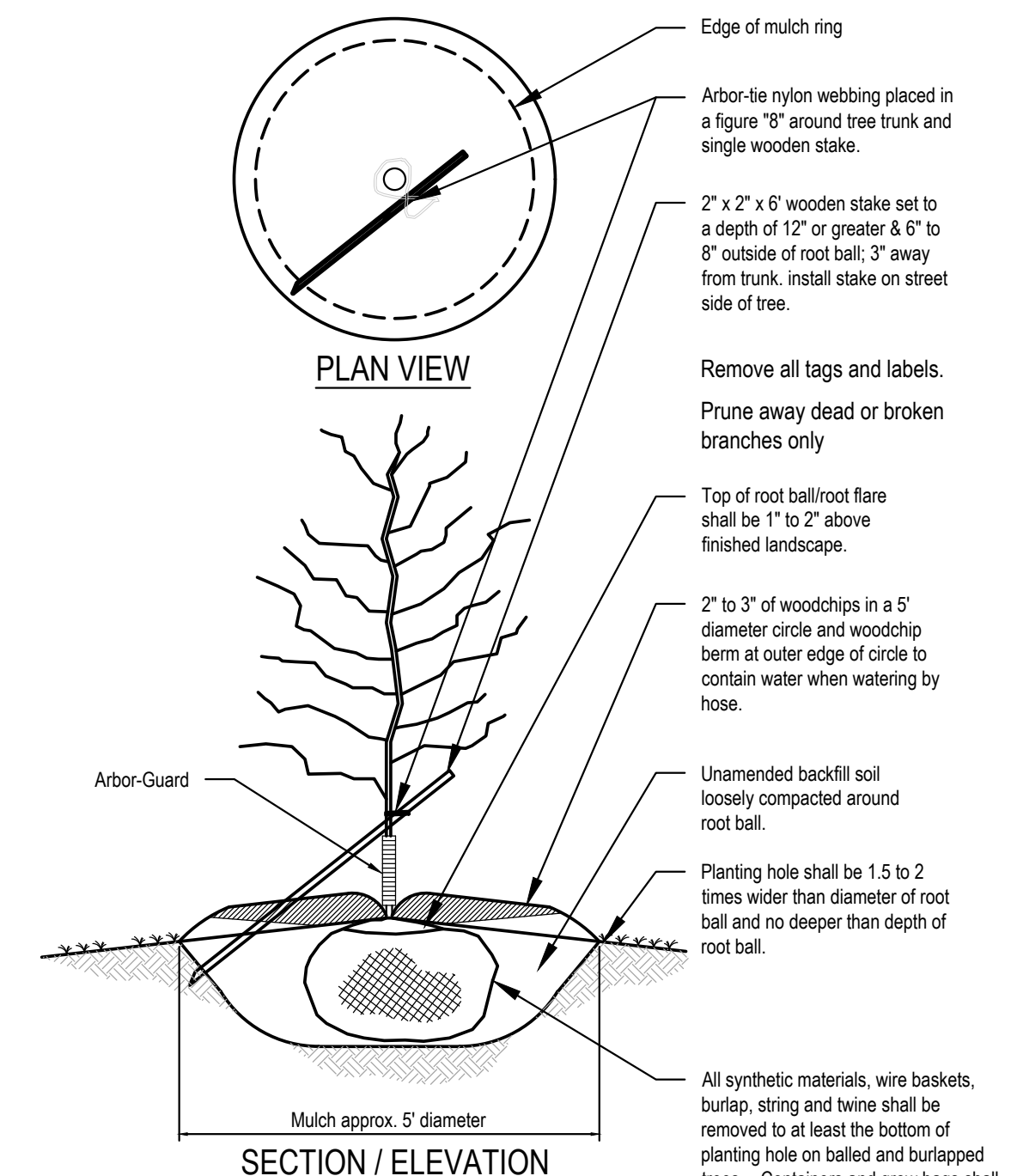
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	DESIGN		LOCATION
						WIDTH	HEIGHT	
NC	8	Catalpa speciosa	Northern Catalpa	2"	B & B	35'	50'	29th Street (South Side)
SO	4	Quercus cocinea	Scarlet Oak	2"	B & B	60'	40'	Iris Avenue (East Side between 29th Street and Big Mac Drive)
GK	6	Ginkgo biloba	Ginkgo	2"	B & B	35'	45'	Blue Ridge Drive (East and West Side of Private Roadway)
NH	7	Ulmus 'New Horizon'	New Horizon Elm	2"	B & B	30'	50'	Big Mac Drive (North Side of Private Roadway)
RO	7	Quercus rubra	Red Oak	2"	B & B	40'	60'	Big Mac Drive (South Side of Private Roadway)

CURVE TABLE							
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH	TANGENT	DELTA	
1	175.00'	69.17'	S72°01'06"E	68.72'	35.04'	022°38'51"	
2	225.00'	121.37'	N76°08'53"W	119.91'	62.20'	030°54'25"	
3	200.00'	107.89'	N76°08'53"W	106.58'	55.29'	030°54'25"	
4	200.00'	107.89'	S76°08'53"E	106.58'	55.29'	030°54'25"	
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6	100.00'	55.70'	N14°21'20"E	54.98'	28.59'	031°54'52"	



LEGEND

- BOUNDARY LINE
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- PROPERTY CORNER FOUND (AS NOTED)
- △ PROPERTY CORNER SET (5/8"x24" CAPPED REBAR LS 502)
- (R) RECORD DISTANCE
- (M) MEASURE DISTANCE
- X - FENCE LINE



DECIDUOUS TREE PLANTING DETAIL FOR STREET TREES
NOT TO SCALE

- NOTES:**
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS TO ALL UTILITIES WHICH EXIST ON OR NEAR THE PROJECT SITE. PRIOR TO PLANTING, THE CONTRACTOR SHALL CALL DIGGERS HOTLINE AT 1-800-331-5666 TO HAVE UTILITIES MARKED.
 - CITY ORDINANCE REQUIRES THAT PLANTED TREES HAVE MINIMUM TRUNK DIAMETER OF 2" FOR LARGE CANOPY TREES AND 1-1/2" FOR ORNAMENTAL TREES.
 - STREET TREE LOCATIONS

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 CRETE, NEBRASKA

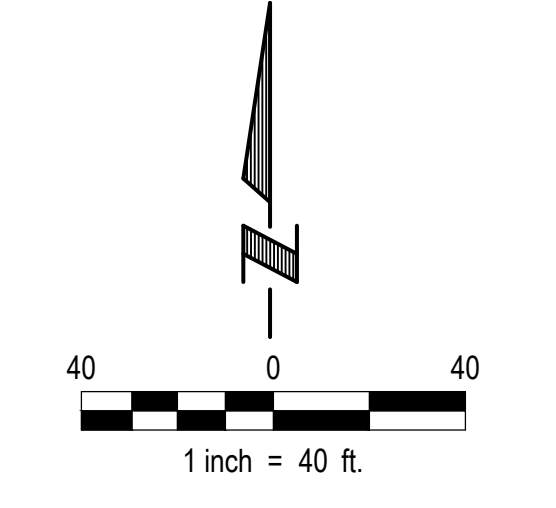
STREET TREE PLAN

PRELIMINARY NOT FOR CONSTRUCTION

Revision	Description	Date
1	AS SHOWN	08/15/2024

Proj No: 2022.288.001
 Date: 08/15/2024
 Designed By: MLK, JJ
 Drawn By: MLK, JJ
 Scale: AS SHOWN
 Sheet: 3 of 5

Nebraska 811
 know what's below.
 Dial: 811 Call before you dig.



GRADING & EROSION LEGEND

- Boundary Line of Preliminary Plat
- Proposed Lot Line
- - - Easement
- ▨ Building
- - - 1160 Exist. Major Contours
- - - 1156 Exist. Minor Contours
- - - 1160 Prop. Major Contours
- - - 1153 Prop. Minor Contours
- Flow Direction
- Swale Path

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DITTMER COMMERCIAL
 PRELIMINARY PLAT

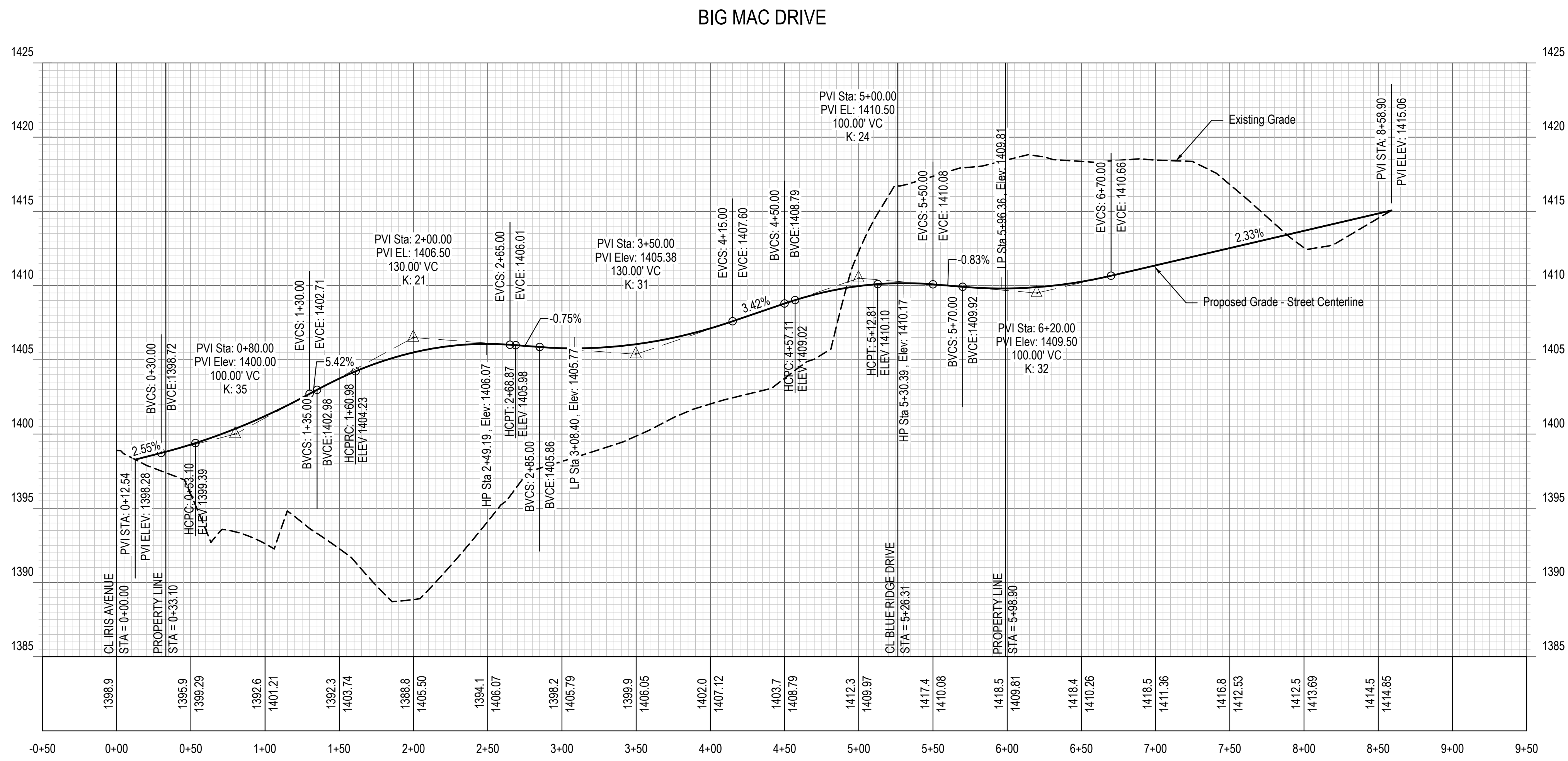
GRADING PLAN

**PRELIMINARY
 NOT FOR
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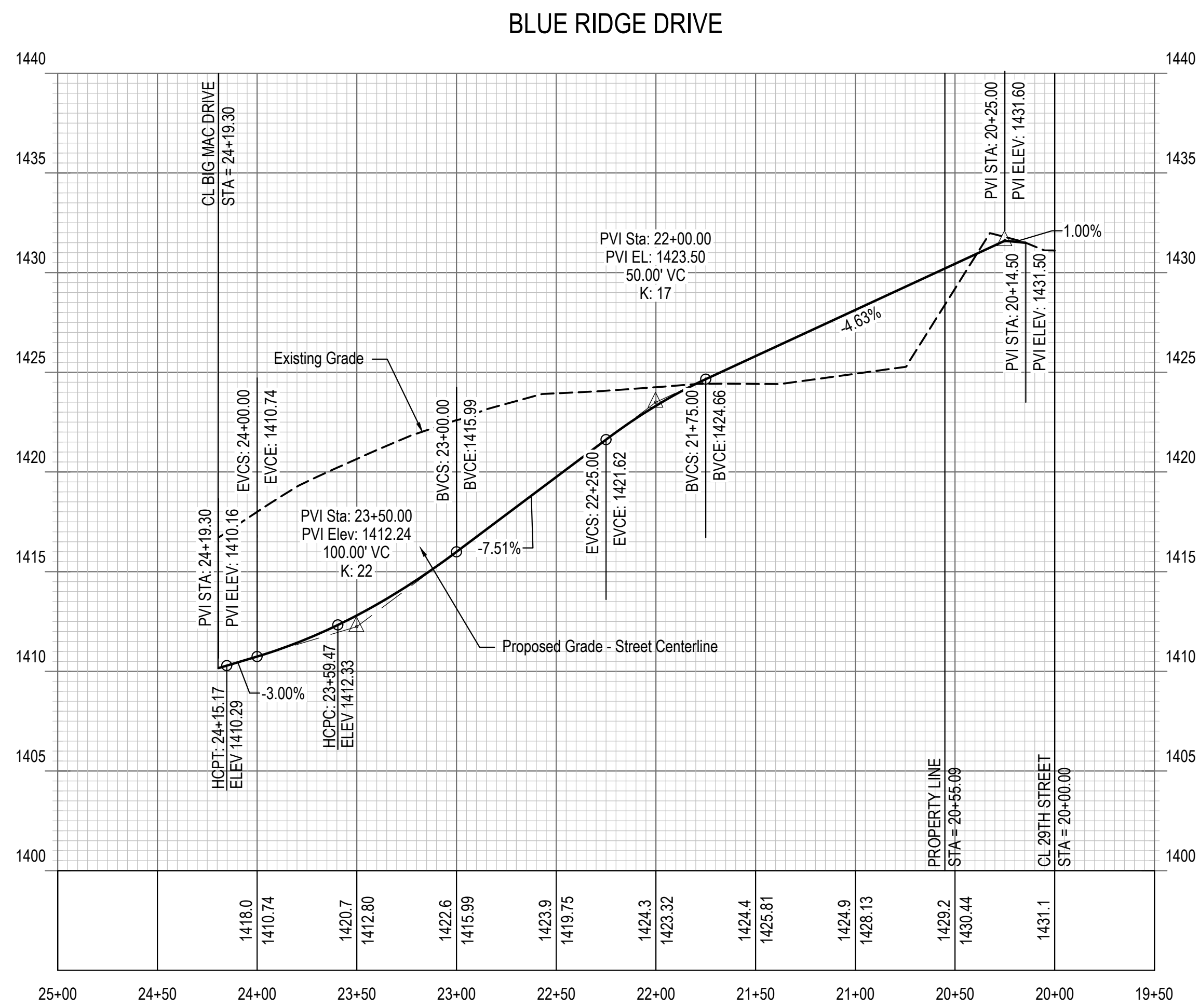
Revision	Description	Date
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Proj No: 2022.288.001
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 Drawn By: MLK, JJ
 Scale: AS SHOWN
 Sheet: 4 of 5

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Vert. 1"=10'



DITTMER COMMERCIAL
PRELIMINARY PLAT
CRETE, NEBRASKA

PROFILE SHEET

**PRELIMINARY
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CONSTRUCTION**

Revision	Description

Proj No: 2022.268.001	Date: 08/15/2024	Designed By: MLK, JJ	Drawn By: MLK, JJ	Scale: AS SHOWN

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Land Development, Planning and Zoning Application

	QTY	TOTAL	
Subdivision Development			Crete Municipal Code Article 3 Subdivisions
Application Fee		\$100	
Preliminary Plat (plus City Attorney Fees)	1	\$200	Crete Municipal Code 11-306.01
Final Plat	1	\$200	Crete Municipal Code 11-306.02
Other Plats		\$200	
Subdivision Review and Inspections		\$250	City Engineer fees are in addition to listed fees
Recording Fee		\$25	
Administrative Subdivision			City Municipal Code 11-306.03 Administrative Subdivisions
Subdivision Review and Inspections		\$250	
Recording Fee		\$25	
Zoning Change		\$200	Crete municipal Code Chapter 11 Article 2
Special Exception		\$200	Crete municipal Code Chapter 11-230
Variance Request		\$150	Crete Municipal Code 11-213
Comprehensive Plan Amendment		\$200	Future Land Use Map, Existing Land Use Map
Total Fees		\$400	City Attorney fees are in addition to listed fees

Owner Information

Name Dittmer & Dittmer, L.L.C. (Ron Dittmer)	Phone 402-641-7740	Email rondittmer@gmail.com
Street Address 1600 W 12th / P.O. Box 283	City Crete	State NE
		Zip 68333
Signature	Application Date	

Applicant Information

Name E & A Consulting Group, Inc. (Rick Onnen)	Phone 402-420-7217	Email ronnen@eacg.com
Street Address 2077 'N' Street, Suite 400	City Lincoln	State NE
		Zip 68510
Signature 	Application Date 8/15/2024	

Description

This preliminary plat application, to be known as Dittmer Commercial, is located at the the southeast corner of Iris Avenue and 29th Street within the city limits of Crete. The property is currently zoned C-1. The proposed subdivision consists of solely commercial property. Detention for the area is shown in the southern portion of the development.

The final plat application, to be known as Dittmer Commercial Addition, is creating 1 commercial lot, 1 outlot for future commercial development and 1 outlot for open space and detention.

Refer to the application letters for more detail on both applications.

Subdivision Development Checklist

Pre Application Meeting Date 3/8/2024 Time 2:00 pm

Planning Commission Meeting Date _____ Time _____ Application Fee

City Council Meeting Date _____ Time _____

- Preliminary Plat physical and digital copies
- Name, Location, Legal description, Date
- Names of Adjoining Properties
- North Point and Graphics Scale
- Roads
- Existing Utilities and sizes
- Name, Location, Legal description, Date
- Proposed Utility System
- Contours at intervals 2' or 5'
- Proposed improvement or grading
- Location of existing buildings
- Proposed Easements, Dedications
- Filing Fees
- Improvement schedule and restrictive covenants
- Notification of County Planning Commission
- Notification of School Board
- Final Plat one original and two mylar copies
- Date, title, Name, Location of Subdivision
- Graphics Scale and North Arrow
- Monuments 1" diameter maximum 30" length
- Dimensions, angles and bearings, legal description of the property
- Names of Adjoining Properties
- Location and dimensions of easements
- Purpose for which sites are dedicated or reserved
- Surveyor Certification as to the accuracy of plat
- Certification signed and acknowledged by all parties holding title
- Certification recording the approval of the Planning Commission
- Certification recording the approval of the City Council
- Detailed Construction plans of all required public improvements approved by and engineer
- Posted bond or certified check to the City of Crete in sufficient amount to complete the required improvements as approved by and engineer

Administrative Subdivision Checklist

Pre Application Meeting Date _____ Time _____

City Council Meeting Date _____ Time _____ Application Fee

- Name
- Date
- Title
- Location
- Names of abutting streets
- New lots, block numbers, setback lines
- Graphic Scale and true North Point
- Monuments
- Dimensions
- Legal description
- Certification
- Signed by all parties holding Title
- Protective covenants
- Have owners requested annexation
- Utility easements shown
- Final Plat Original & 2 Mylar's

Zoning Change or Comprehensive Plan Amendment

Pre Application Meeting Date _____ Time _____ Scaled Survey Drawing

Publish and Post Date _____ Time _____ Application Fee

Planning Commission Meeting Date _____ Time _____

City Council Meeting Date _____ Time _____

Parcel # and Current Zoning _____ Requested Zoning _____

Special Exception Request

Pre Application Meeting Date _____ Time _____ Application Fee

City Council Meeting Date _____ Time _____



E & A CONSULTING GROUP, INC.

Engineering Answers

2077 N St, Ste 400 | Lincoln, NE 68510
402.420.7217
eacg.com

August 23, 2024

Mr. Tom Ourada
City Administrator
City of Crete
243 East 13th Street
Crete, NE 68333

RE: DITTMER COMMERCIAL – Preliminary Plat
E & A File: P2022.289.001

Dear Tom,

With the comments received from and the discussions with the City of Crete staff, we are submitting a revision to the variances being requested. The following reflects the revisions also made to the preliminary plat drawings which are also being submitted for reference.

Variances being requested:

1. To allow private roadways within the development.
(Article 3 Subdivision Regulations, 11-307, (12))
2. To allow cross parking to meet required parking requirements within Lots 2 through 7.
(Article 5 Supplementary Regulations, 11-508, (2)(c))
3. To allow the sidewalk and street trees along the east side of Iris Avenue between 29th Street and Big Mac Drive to be located outside of the street right-of-way and within a pedestrian and landscape easement on Lot 1.
(Article 5 Supplementary Regulations, 11-524, (2)(b) and (c))
4. To allow the sidewalk along the south side Big Mac Drive, adjacent to Outlot A, not to be installed until such time as Outlot A is developed or the City of Crete determines necessary.
(Article 5 Supplementary Regulations, 11-524, (2)(b))
5. To allow the sidewalk and street trees along the east side of Iris Avenue, adjacent to Outlot A, not to be installed until such time as Outlot A or the property south of Outlot A is developed or at such time as the City of Crete determines necessary.
(Article 5 Supplementary Regulations, 11-524, (2)(b) and (c))

To the set of drawings, a street tree plan has been added showing street trees along the private roadways and public streets.

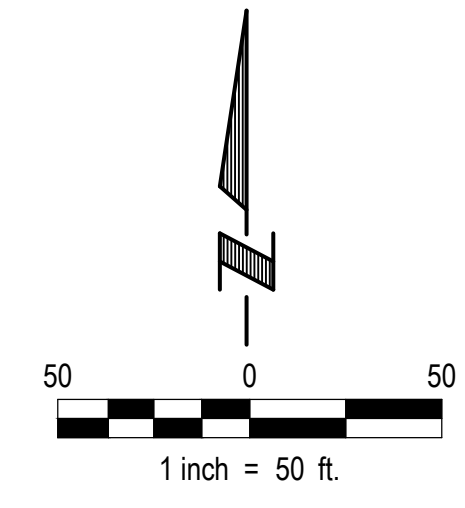
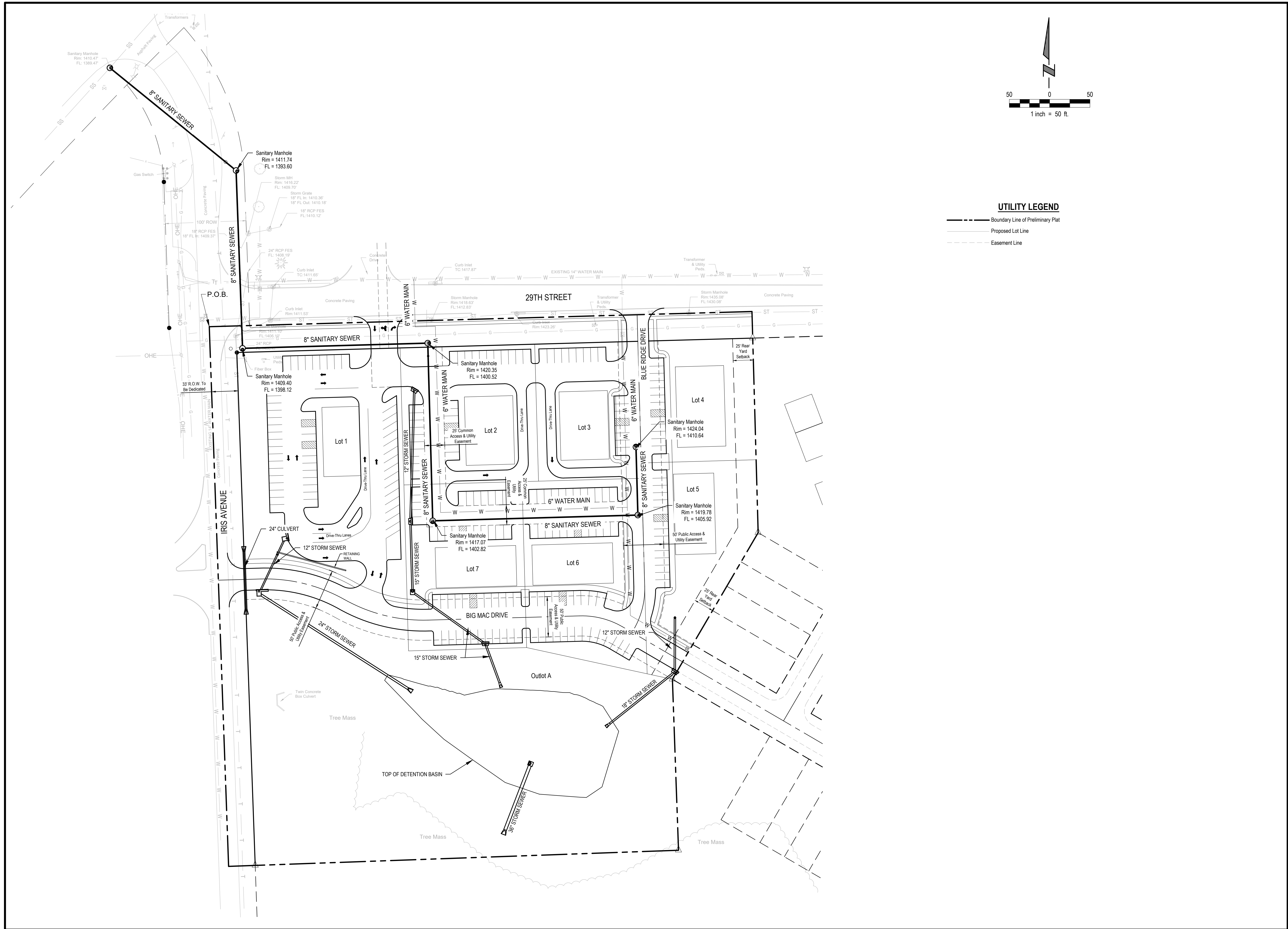
Please contact us if you have questions or require additional information.

Sincerely,
E & A CONSULTING GROUP, INC.

A handwritten signature in blue ink, appearing to read 'Richard Onnen', is written over a white background.

Richard Onnen
Project Manager

Cc: Ron Dittmer



UTILITY LEGEND

- Boundary Line of Preliminary Plat
- Proposed Lot Line
- Easement Line

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DITTMER COMMERCIAL
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 CRETE, NEBRASKA

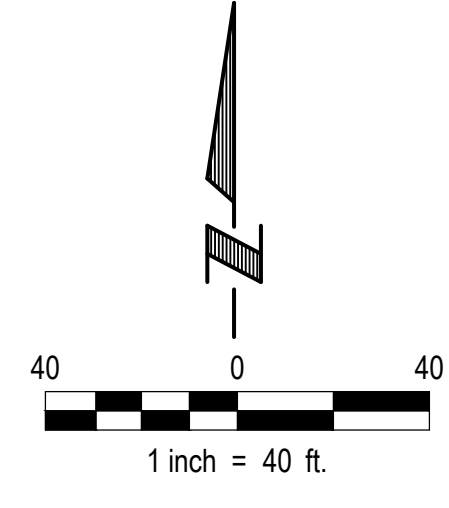
UTILITY PLAN

**PRELIMINARY
 NOT FOR
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Revision	Description	Date
1		08/15/2024

Proj No: 2022.268.001
 Date: 08/15/2024
 Designed By: MLK, JJ
 Drawn By: MLK, JJ
 Scale: AS SHOWN
 Sheet: 2 of 4

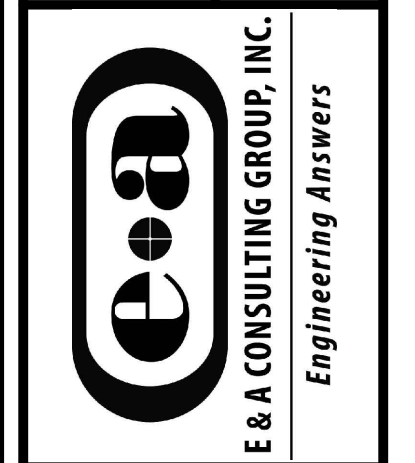
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GRADING & EROSION LEGEND

- Boundary Line of Preliminary Plat
- Proposed Lot Line
- - - Easement
- ▨ Building
- 1160 Exist. Major Contours
- 1156 Exist. Minor Contours
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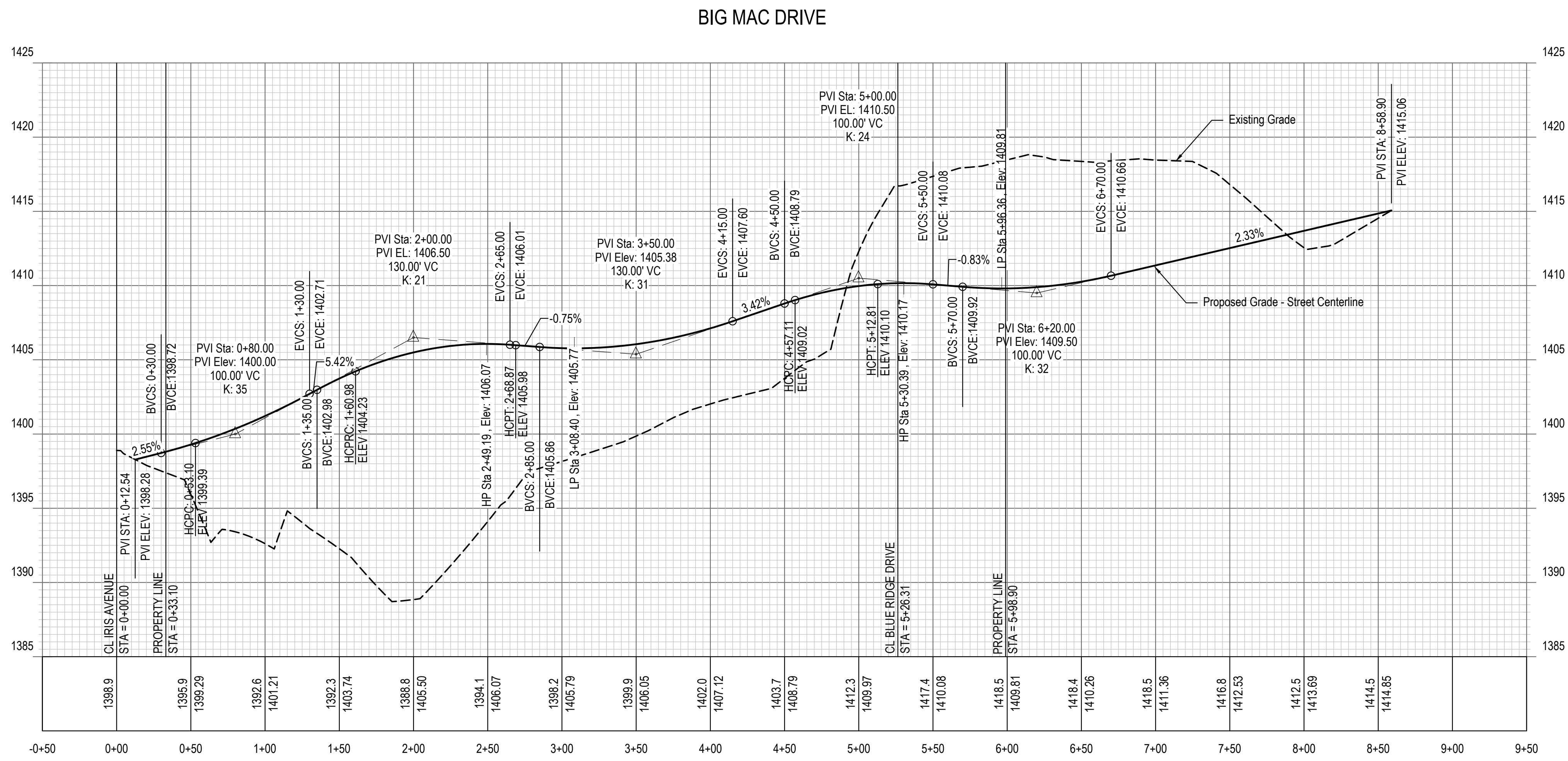
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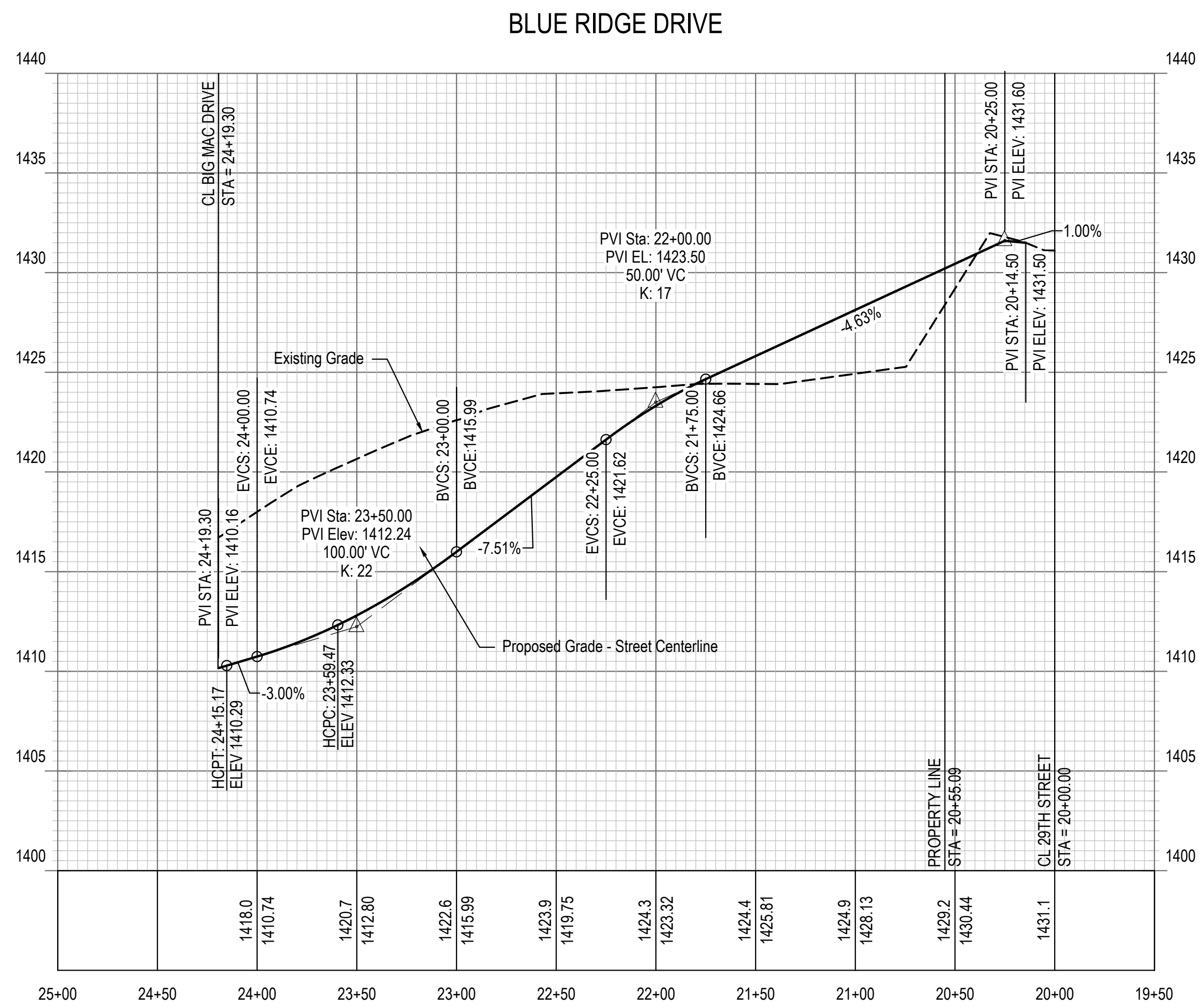
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1	08/15/2024	MLK, JJ
2		MLK, JJ
3		AS SHOWN
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Proj No: 2022.288.001
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 Designed By: MLK, JJ
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 Sheet: 3 of 4

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DITTMER COMMERCIAL
 PRELIMINARY PLAT
 CRETE, NEBRASKA

PROFILE SHEET

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

Proj No.	Date	Revision	Description
2022.268.001	08/15/2024		
Designed By:	MLK, JJ		
Drawn By:	MLK, JJ		
Scale:	AS SHOWN		
Sheet:	4 of 4		

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PRELIMINARY DRAINAGE REPORT

FOR

DITTMER COMMERCIAL

**Iris Ave. & 29th St.
Crete, Nebraska**

Prepared By:



E & A CONSULTING GROUP, INC.

Engineering Answers

E & A Consulting Group, Inc.
2077 N Street, Suite 400
Lincoln, NE 68510
Ph. 402-895-4700

State of Nebraska Certificate of Authorization # CA0008

E & A Project Number: P2022.289.001

August 15, 2024

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1. Executive Summary

Dittmer Commercial is a new commercial development encompassing approximately 9 acres within the City of Crete municipal limits. The approximate location is 29th Street and Iris Avenue (reference Appendix A - Site Vicinity Map). The preliminary plat, construction drawings and final plat were submitted to the City of Crete for review and approval.

The preliminary and final plat include a portion of the overall property. At this time, only the commercial development is moving forward.

Sanitary service for the commercial portion of the development is proposed to gravity sewer to the northwest. The City of Crete has expressed limiting development on this branch main to ensure that adequate capacity is maintained in the sanitary sewer trunk for future growth along Highway 33. The remainder of the property will be sewerred by a sanitary sewer lift station to be installed by the City of Crete in conjunction with future platting.

This site is adjacent to a tributary of Walnut Creek. According to the FEMA Flood Insurance Rate Maps, Panel 31109C0390F, there is no floodplain within the developing property. A wetland delineation was not completed but from aerial imagery the tributary is likely under the jurisdiction of the U.S. Army Corps of Engineers. Development improvements are proposed immediately adjacent to the channel; so, wetland disturbance is not anticipated as part of this development.

The commercial development will be graded to drain to the south into a proposed extended dry detention basin. The pond will utilize a multi-stage outlet structure to attenuate the post-development runoff rates to below the pre-development flow rates. The proposed pond design also accounts for managing runoff from 10 acres adjacent to the commercial development which is programmed for future residential development. Pond design has been sized with the future buildout taken into account. The City of Crete has no post-development water quality standards at this time.

This report presents a hydrology study of existing conditions and the proposed development with incorporated Best Management Practices (BMPs) for storm water management.

2. Pre-Developed Site

2.1.1 Existing Usage of Land

The existing site consists of mostly grass and woods along the unnamed stream.

2.1.2 Wetlands and Preservation of Natural Areas

The Supreme Court decision in Sackett v. EPA (2023) changed the U.S. Army Corps of Engineers jurisdiction. However, it is likely that the channel and adjacent banks are jurisdictional based on aerial imagery.

Construction activity is not planned within potential jurisdictional areas. If conflict is unavoidable, proper permitting will be obtained prior to disturbance. For additional information please reference Appendix H, National Wetland Viewer.

2.1.3 Site Soil Information

Soil classification for stormwater runoff calculations is referenced from the USDA National Cooperative Soil Survey. The user selected site is comprised of the following soils: Burchard Clay Loam, Malmo Silty Clay Loam, Pawnee Clay Loam, and Wymore Silty Clay Loam. The survey also classified the project area's only hydrologic soil Type as Type D. For additional information on soil type please reference Appendix B, Soil Information.

2.1.4 Existing Topography

Existing site topography was provided by Catlett Surveying. Catlett Surveying has been working on this property for many years based on an assumed local coordinate system. This approach limits the ability to correlate field survey with publicly available GIS data for a comprehensive look at the drainage areas. However, field survey data was supplemented with 2022 LiDAR data obtained from United States Geological Survey (USGS) to establish the general drainage boundaries beyond the limits of the Catlett Surveying's data.

2.1.5 Pre-Development Site Hydrology

The majority of the site flows south/southwest and discharges directly to the unnamed stream. A twin 3' x 5' concrete box culvert takes the water across Iris Avenue to the west. Minimal perimeter areas of the site drain to the north onto 29th Street and eventually into the existing storm sewer system. The following assumptions were made in the calculation of pre-development runoff.

Table 1.0 – Referenced NOAA Atlas 14 Rainfall for Crete, Nebraska

24-Hour Design Rainfall	
Storm Event	Rainfall (inches)
2-Year	2.98
10-Year	4.40
100-Year	7.31

Table 2.0 – SCS Curve Numbers for Pre-Development Runoff

SCS Method Curve Numbers (CN)	
Land Classification	CN
	C
Woods & Grass - Good	79
Pavement - Impervious	98

The following table summarizes the calculated pre-development runoff. For a visual representation of areas please reference Appendix C, Pre-Development Drainage Map. For details on calculated flows, reference Appendix F, PCSMP HydroCAD Software Model Report.

Table 3.0 – Pre-Development Runoff per Area Summary

Pre-Development Area (ID)	Area (acres)	CN	Time of Concentration (min)	2-YR Peak Flow (cfs)	10-YR Peak Flow (cfs)	100-YR Peak Flow (cfs)
EX-A	17.791	80	14.1	30.21	58.13	116.97

3. Post Developed Site

3.1.1 Proposed Usage of Land

The proposed usage will be seven commercial lots. The first phase of development includes an approximately 4,000 square foot building with parking and perimeter drive access. The second phase includes five 5,000 square foot buildings and one 6,000 square foot building to the east of the first building. Approximately 8 acres of the total 19 acres is anticipated to be developed.

3.1.2 Post-Development Site Hydrology

The commercial development will consist of buildings, private roadways, and parking lots. A conceptual layout was used for analysis and buildings are assumed to have gable roofs. Table 2.2a from the TR-55 was used to approximate the curve numbers for the proposed post-development conditions.

Basin A includes private and public stormwater runoff collected from the roofs, parking lots, and drives through a series of area and curb inlets. The stormwater runoff is conveyed to the southeast corner of the drive from 29th Street, and in the southwest corner of the parking lots. South of the proposed development is a basin with a swale from the southwest lots and a culvert from the southeast corner feeding into it. The basin then outlets to the unnamed stream.

The following assumptions were made in the pipe sizing calculations. See Appendix F, Preliminary Pipe Sizing Calculations for the sub-basin map and calculations.

Table 4.0 – Summary of Assumptions for Pipe Sizing Calculations

Pipe Sizing Calculations		
Time of Concentration, Minimum (min.)	Storm Event (Yr)	Rainfall Intensity (in/hr)
8	10	6.55
	100	9.96

Table 5.0 – Rational Method C-Values for Post Development Runoff

Rational Method C-Values	
Land Classification	C
Urban District - Industrial	0.80
Unimproved – Flat	0.10
Unimproved Average	0.25
Suburban	0.40

The following tables summarize the calculated Post Development runoff and assumptions made for calculations. For a visual representation of areas please see Appendix D, Post-Development Drainage Map. For details on calculated flows, reference Appendix F, HydroCAD Software Model Report.

Table 6.0 – SCS Curve Numbers for Post Development Runoff

Land Classification	CN
	D
Pavement – Impervious	98
1/8 Acre Lot	92
1/4 Acre Lot	87
>75% Grass Cover - Good	80
Woods & Grass - Good	79

Table 7.0 – Post Development Runoff per Area Summary

Post-Development Area (ID)	Area (acres)	CN	Time of Concentration (min)	2-Year Peak Flow (cfs)	10-Year Peak Flow (cfs)	100-Year Peak Flow (cfs)
A1	14.21	89	10.9	40.12	66.37	118.03
A2	4.96	79	8.0	12.26	21.80	41.08

The following table compares the pre-development and post-development runoff rates.

Table 8.0 – Hydrologic Summary for Pre- & Post-Development Conditions

	Peak Runoff Rate (CFS)		
	2-Year	10-Year	100-Year
Pre-Development*			
EX-A – Generated ^[1S]	30.21	58.13	116.97
Post-Development*			
A1 – Generated ^[1S]	40.12	66.37	118.03
A1 – Attenuated (Pond A1) ^[1P]	18.68	45.56	83.39
A2 – Generated ^[2S]	12.26	21.80	41.08
Impact Point A – Generated ^[1L]	22.48	58.02	112.90

*Sub-basin ID – Flow Method (Desc.) ^[HydroCAD ID]

3.1.3 Culverts

Iris Avenue is a rural section roadway. A proposed private street connection to Iris Avenue will include a culvert pipe to convey ditch drainage under the intersection. Culvert C1 analyzed the headwater during the minor and major events adjacent to Iris Avenue. The contributing area to this culvert has been delineated to include roughly the western half of the Walmart parking lot and 29th Street. For details on calculated flows, reference Appendix G, HY-8 Culvert Analysis.

Table 9.0 – Culvert Summary of Area and Runoff

Culvert	Size	Storm Event	Top of Roadway Elevation (ft.)	Peak Flow (cfs)	HW Elevation (ft.)
C1	24" RCP	10-Year	1400.00	16.30	1398.75
		100-Year		30.70	1400.19

3.1.4 Basin Design

There is one basin designed for the proposed commercial development. Pond A1 will receive the majority of runoff from the commercial development, and a portion of the runoff from the future residential to the east. Full buildout of these units was used when calculating flows and water surface elevations. For more information, reference Appendix F, HydroCAD software model report.

Table 10.0 – Pond Multi Stage Outlet Structures

Pond Multi Stage Outlet Structure Information										
	Outlet Pipe		Low Flow		Weir		Rim		Spillway	
Pond ID	Size (in.)	Elev. (ft)	Size (in.)	Elev. (ft)	Size (in.) W x H	Elev. (ft)	Size (in.)	Elev. (ft)	Length (ft)	Elev. (ft)
A1	36	1386.00	3.0	1386.50	20" x 27"	1390.30	36 x 36	1393.00	14	1394.00

Table 11.0 – Pond Water Surface Elevation (Ft.)

Pond ID	2-Year	10-Year	100-Year	Spillway Elev.	Top of Pond
A1	1391.39	1392.29	1393.48	1394.00	1395.00

4. Post Construction Stormwater Management Plan (PCSMP)

4.1 Jurisdiction and Requirements

The City of Crete has no post-development storm water treatment requirements.

5. References

1. Agriculture, U. S. (n.d.). *Web Soil Survey*. Retrieved from Natural Resources Conservation Service:
<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
2. County, L. (n.d.). *Lancaster-Lincoln Geographic Information Systems*. Retrieved from: <https://opendata.lincoln.ne.gov/datasets>
3. Division, L. o. (2004 - 2014). *City of Lincoln Flood and Water Quality Protection Manual*. Lincoln, NE: City of Lincoln. Retrieved from <https://lincoln.ne.gov/city/ltu/watershed/dcm/>

6. Appendices

Preliminary

Preliminary

APPENDIX A: SITE VICINITY MAP

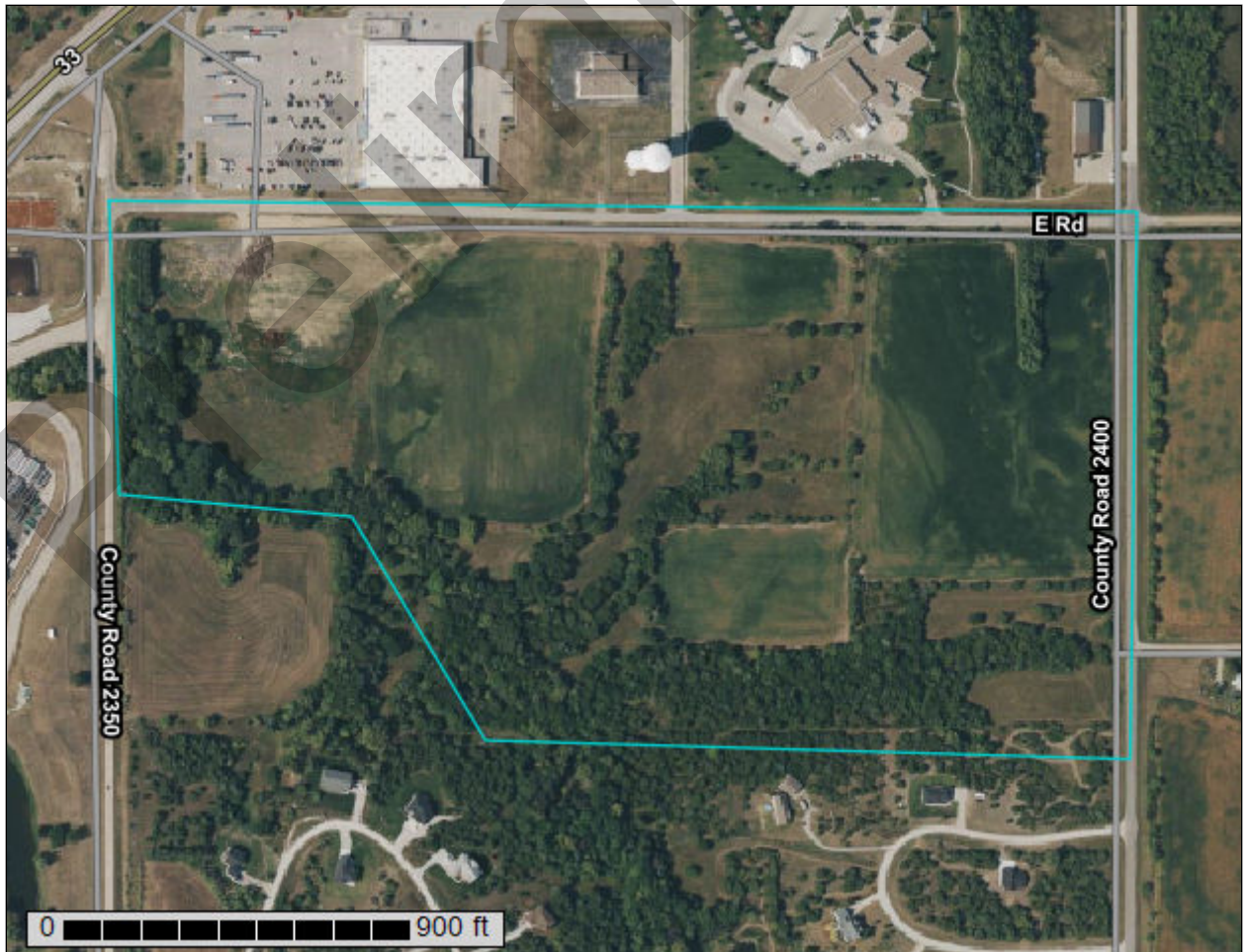
Dittmer Commercial Addition Site Map

29th Street & Iris Avenue, Crete Nebraska



APPENDIX B: SOIL INFORMATION

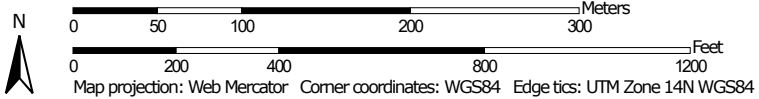
Custom Soil Resource Report for Saline County, Nebraska



Custom Soil Resource Report Soil Map




Map Scale: 1:4,480 if printed on A landscape (11" x 8.5") sheet.




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils







 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Saline County, Nebraska
 Survey Area Data: Version 23, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 21, 2021—Aug 28, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7219	Burchard clay loam, 11 to 17 percent slopes, eroded	22.7	30.4%
7228	Burchard clay loam, 6 to 11 percent slopes, eroded	24.8	33.2%
7348	Malmo silty clay loam, 3 to 6 percent slopes, eroded	2.4	3.2%
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	5.6	7.5%
7683	Wymore silty clay loam, 3 to 6 percent slopes	18.2	24.3%
7684	Wymore silty clay loam, 3 to 6 percent slopes, eroded	1.0	1.3%
Totals for Area of Interest		74.7	100.0%

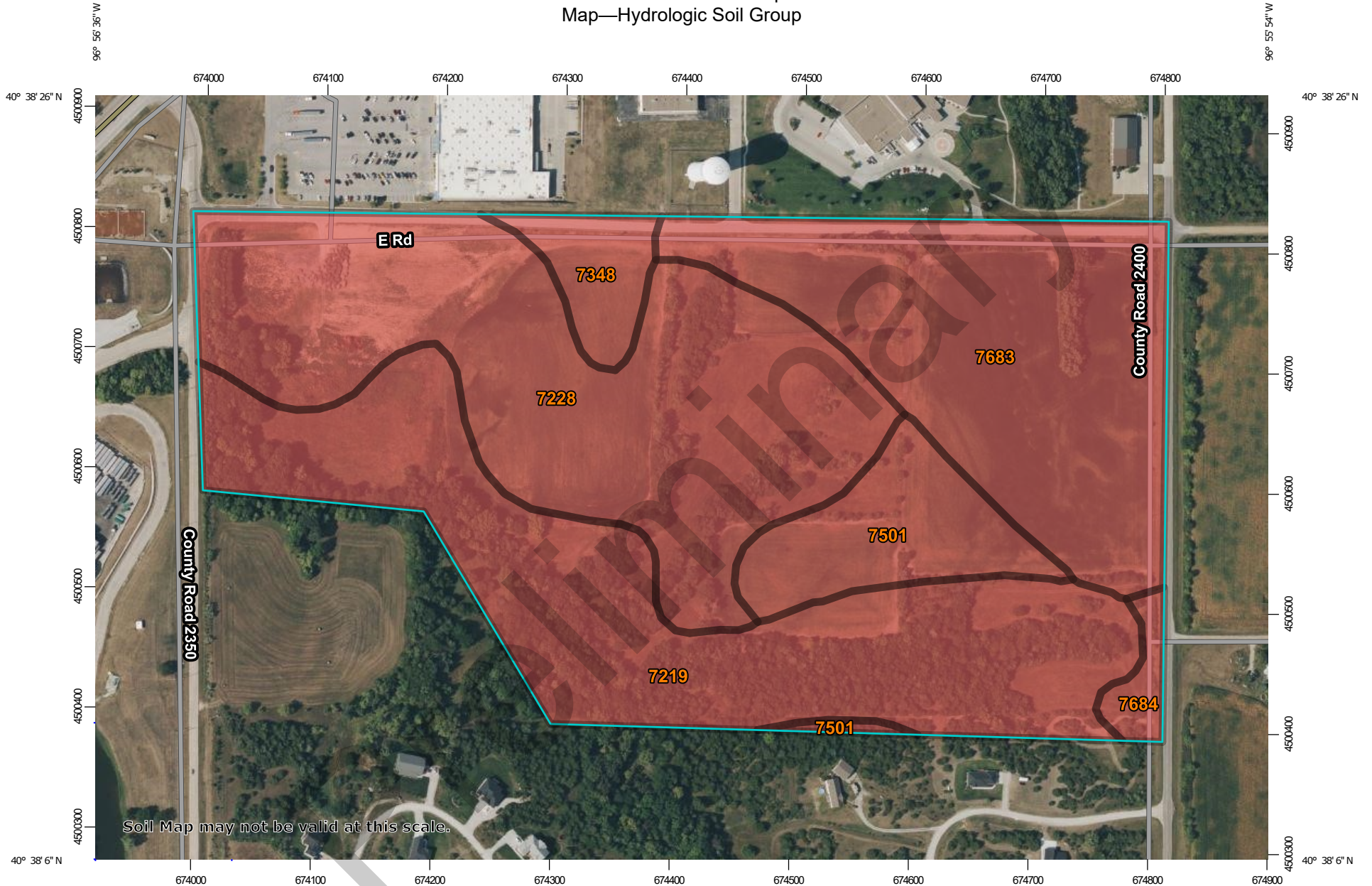
Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

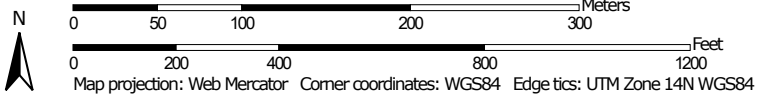
Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it

Custom Soil Resource Report
Map—Hydrologic Soil Group



































Soil Map may not be valid at this scale.

Map Scale: 1:4,480 if printed on A landscape (11" x 8.5") sheet.



MAP LEGEND

- Area of Interest (AOI)**
 -  Area of Interest (AOI)
- Soils**
 - Soil Rating Polygons**
 -  A
 -  A/D
 -  B
 -  B/D
 -  C
 -  C/D
 -  D
 -  Not rated or not available
 - Soil Rating Lines**
 -  A
 -  A/D
 -  B
 -  B/D
 -  C
 -  C/D
 -  D
 -  Not rated or not available
 - Soil Rating Points**
 -  A
 -  A/D
 -  B
 -  B/D
- Soils (continued)**
 -  C
 -  C/D
 -  D
 -  Not rated or not available
- Water Features**
 -  Streams and Canals
- Transportation**
 -  Rails
 -  Interstate Highways
 -  US Routes
 -  Major Roads
 -  Local Roads
- Background**
 -  Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Saline County, Nebraska
 Survey Area Data: Version 23, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 21, 2021—Aug 28, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
7219	Burchard clay loam, 11 to 17 percent slopes, eroded	D	22.7	30.4%
7228	Burchard clay loam, 6 to 11 percent slopes, eroded	D	24.8	33.2%
7348	Malmo silty clay loam, 3 to 6 percent slopes, eroded	D	2.4	3.2%
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	D	5.6	7.5%
7683	Wymore silty clay loam, 3 to 6 percent slopes	D	18.2	24.3%
7684	Wymore silty clay loam, 3 to 6 percent slopes, eroded	D	1.0	1.3%
Totals for Area of Interest			74.7	100.0%

Rating Options—Hydrologic Soil Group

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

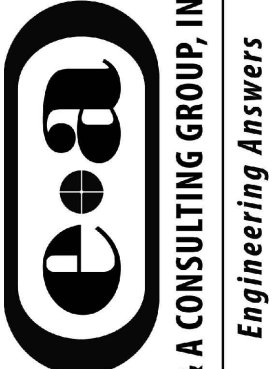
Preliminary

APPENDIX C: PRE-DEVELOPMENT DRAINAGE MAP

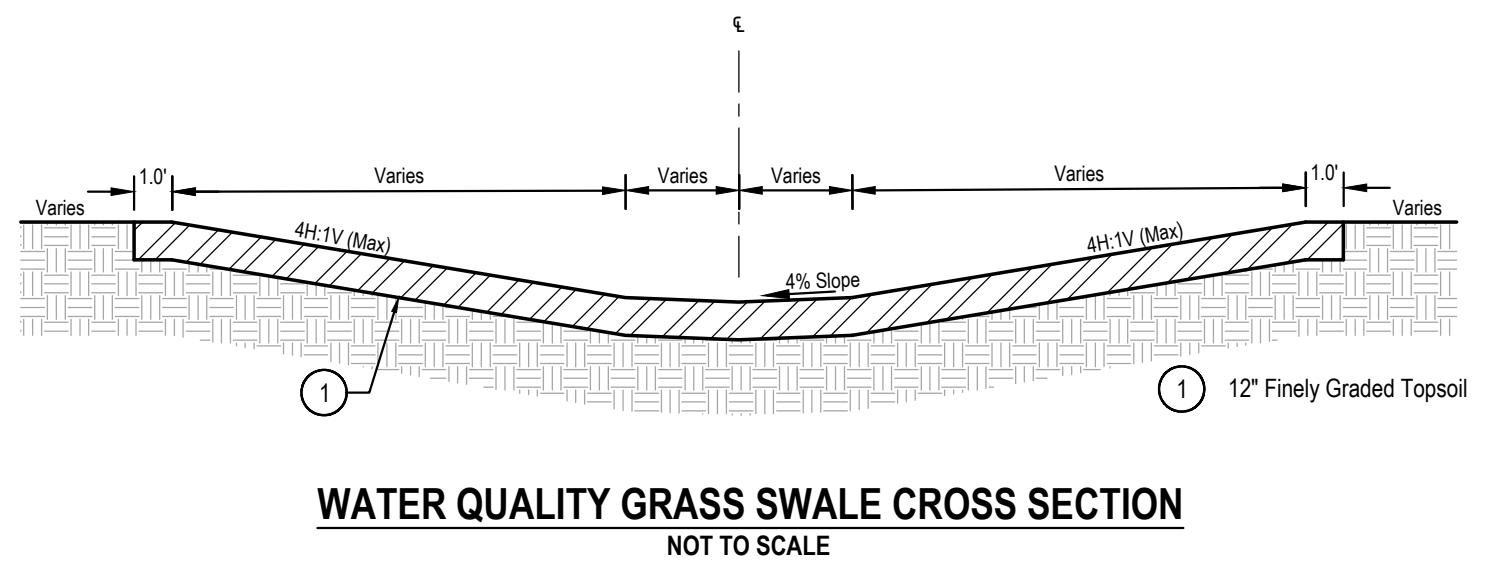
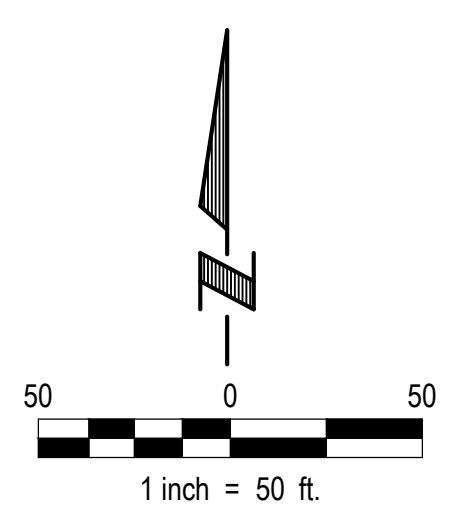
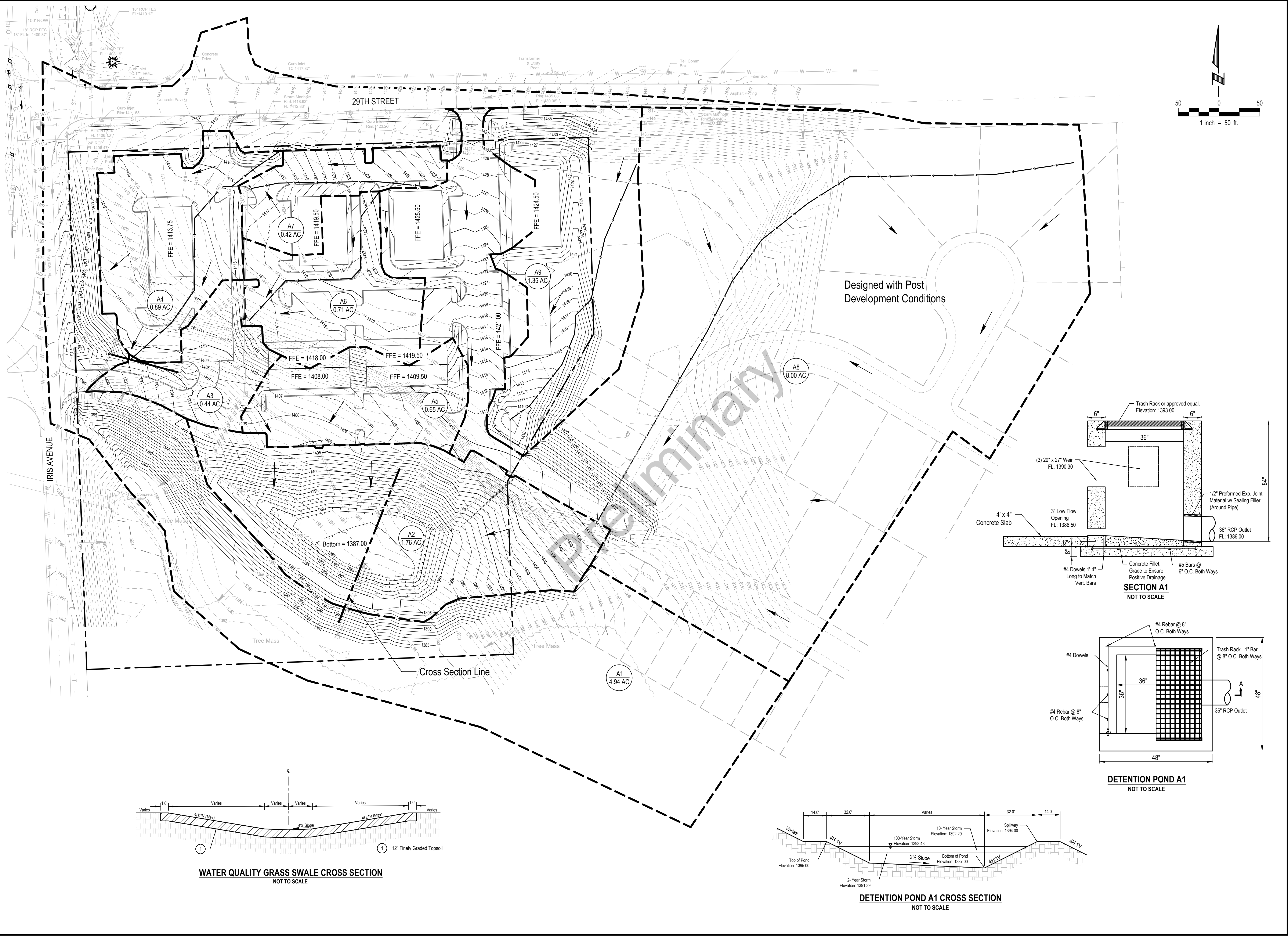


GRADING & EROSION LEGEND

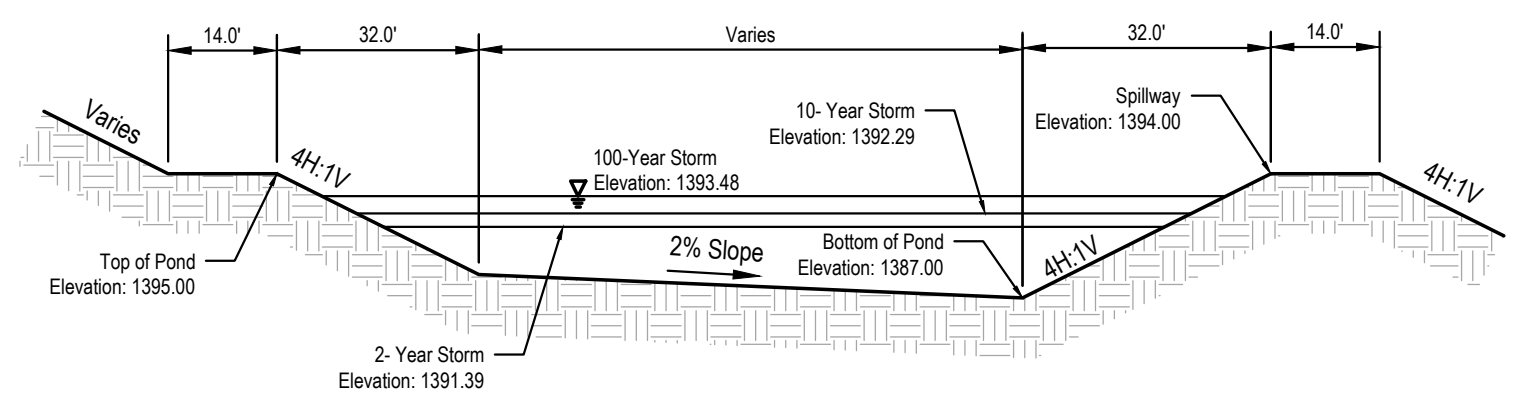
- Property Line
- Adjacent Property Line
- Easement
- ▒ Building
- - - 1160 Exist. Major Contours
- - - 1156 Exist. Minor Contours
- - - 1160 Prop. Major Contours
- - - 1153 Prop. Minor Contours
- Flow Direction

 <p>E & A CONSULTING GROUP, INC. Engineering • Planning • Environmental & Field Services</p>	
<p>DITTMER COMMERCIAL ADDITION DRAINAGE REPORT</p>	
<p>CRETE, NEBRASKA</p>	
<p>PRE DRAINAGE SHEET</p>	
<p>Proj No: 2022.268.001 Date: 08/13/2024 Designed By: RFO Drawn By: JLI Scale: AS SHOWN Sheet: 1 of 3</p>	<p>Revision Description Date 1 2 3</p>
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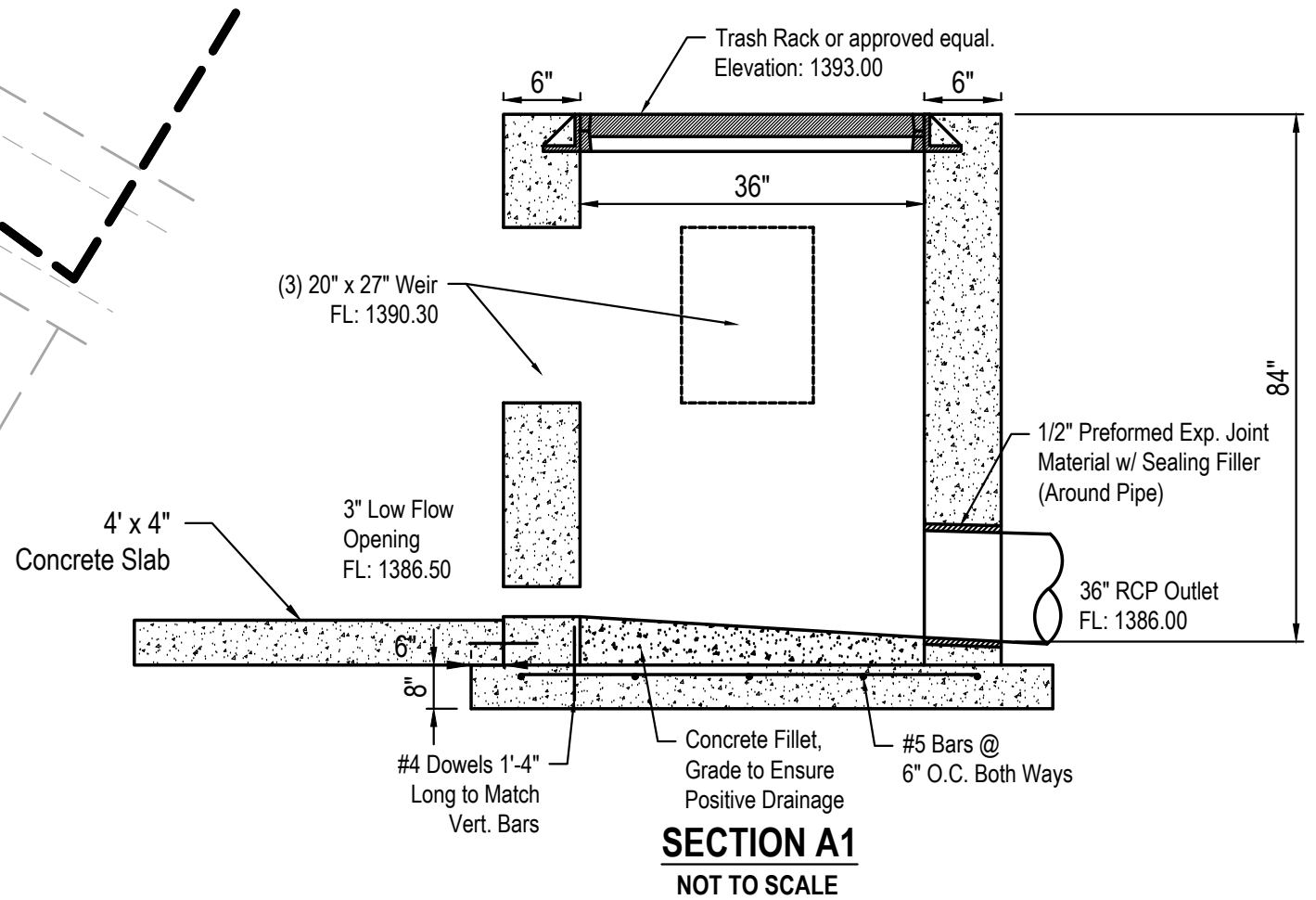
APPENDIX D: POST DEVELOPMENT DRAINAGE MAP



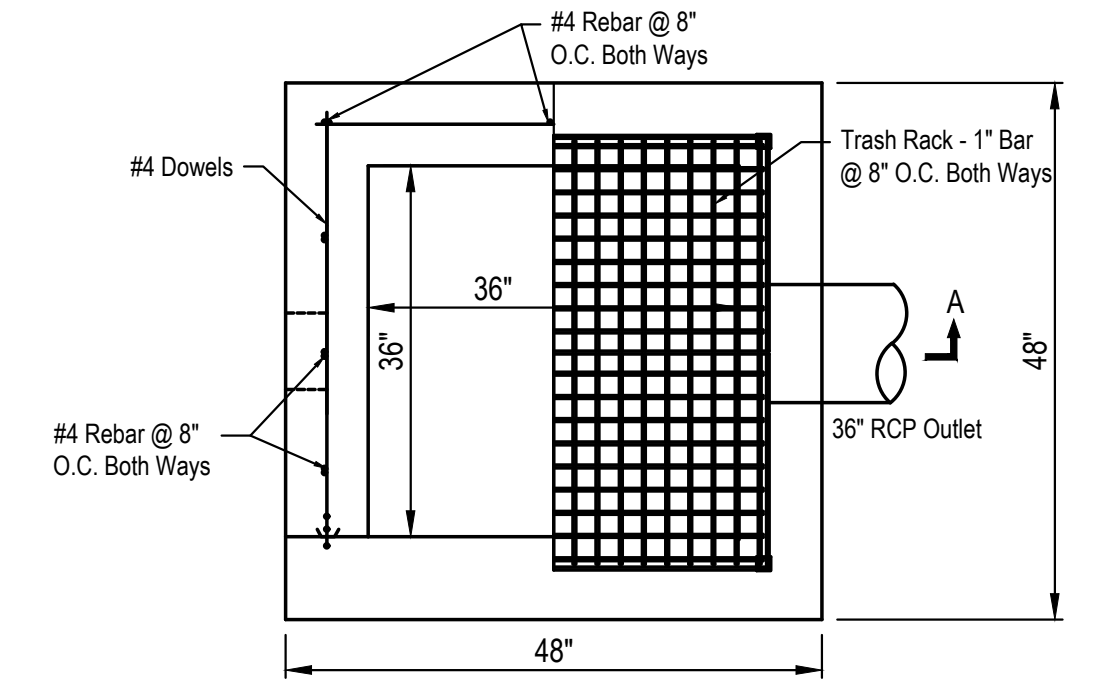
WATER QUALITY GRASS SWALE CROSS SECTION
NOT TO SCALE



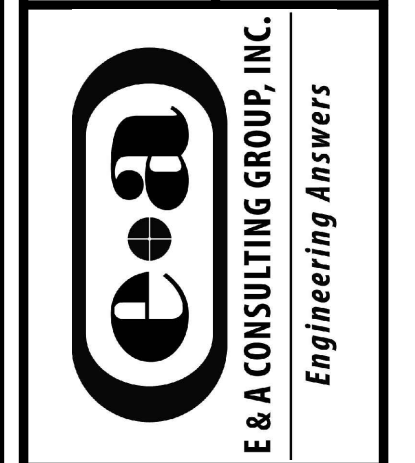
DETENTION POND A1 CROSS SECTION
NOT TO SCALE



SECTION A1
NOT TO SCALE



DETENTION POND A1
NOT TO SCALE



PRELIMINARY
NOT FOR
CONSTRUCTION

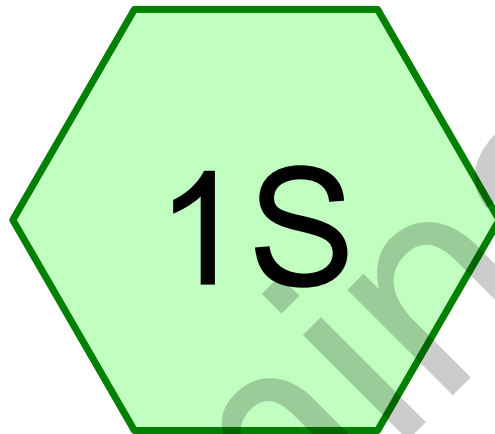
Revision	Description	Date
1	AS SHOWN	08/13/2024

Proj No:	2022.268.001
Date:	08/13/2024
Designed By:	RFO
Drawn By:	JLU
Scale:	AS SHOWN
Sheet:	2 of 3

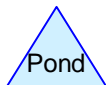
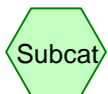
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 Jordan Jurgens

Preliminary

**APPENDIX E:
HYDROCAD SOFTWARE MODEL REPORT**



EX-A



Project Notes

Rainfall events imported from "Temporary Basins.hcp"

Preliminary

Pre-000

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	Type II 24-hr		Default	24.00	1	3.04	2
2	10-Year	Type II 24-hr		Default	24.00	1	4.48	2
3	100-Year	Type II 24-hr		Default	24.00	1	7.33	2

Preliminary

Pre-000

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.957	98	Paved parking, HSG C (1S)
17.014	79	Woods/grass comb., Good, HSG D (1S)
17.971	80	TOTAL AREA

Preliminary

Pre-000

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
0.957	HSG C	1S
17.014	HSG D	1S
0.000	Other	
17.971		TOTAL AREA

Preliminary

Pre-000

Prepared by E&A Consulting Group

HydroCAD® 10.20-3g s/n 13223 © 2023 HydroCAD Software Solutions LLC

Type II 24-hr 2-Year Rainfall=3.04"

Printed 8/15/2024

Page 6

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: EX-A

Runoff Area=17.971 ac 5.33% Impervious Runoff Depth>1.17"
Flow Length=1,265' Tc=14.1 min CN=80 Runoff=30.21 cfs 1.745 af

Total Runoff Area = 17.971 ac Runoff Volume = 1.745 af Average Runoff Depth = 1.17"
94.67% Pervious = 17.014 ac 5.33% Impervious = 0.957 ac

Preliminary

Pre-000

Summary for Subcatchment 1S: EX-A

Runoff = 30.21 cfs @ 12.07 hrs, Volume= 1.745 af, Depth> 1.17"

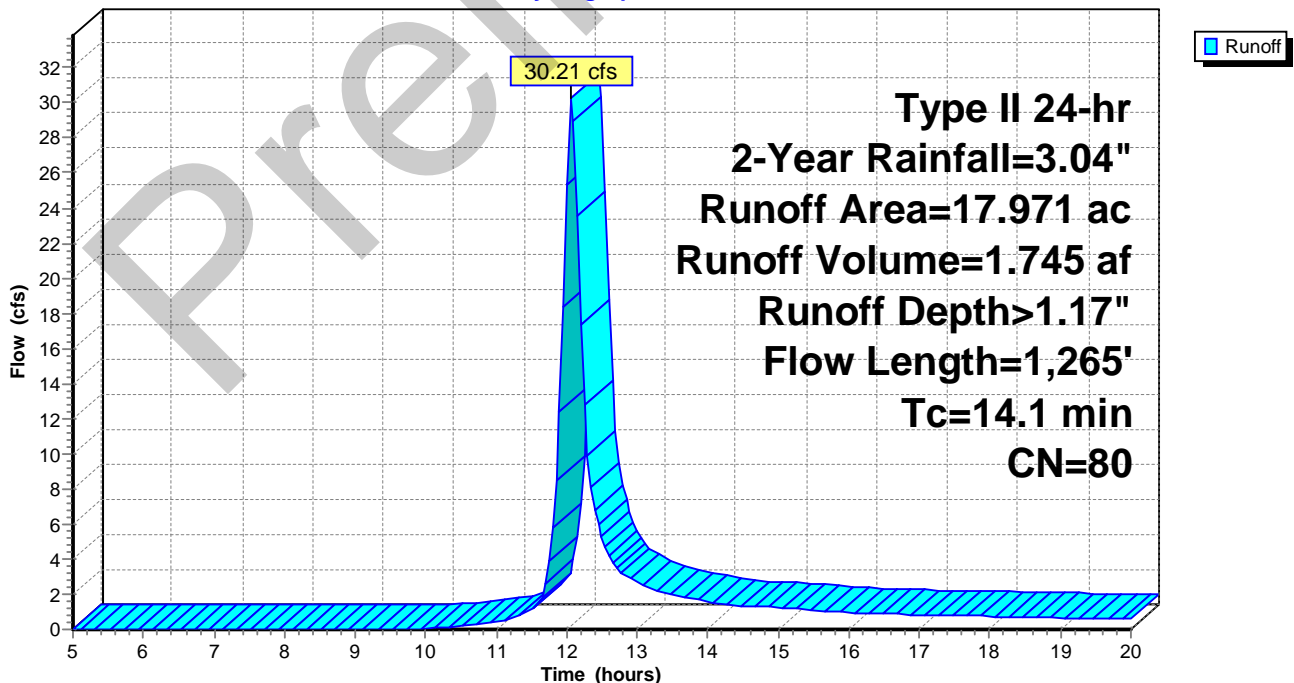
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Type II 24-hr 2-Year Rainfall=3.04"

Area (ac)	CN	Description
17.014	79	Woods/grass comb., Good, HSG D
0.957	98	Paved parking, HSG C
17.971	80	Weighted Average
17.014		94.67% Pervious Area
0.957		5.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	100	0.0257	0.18		Sheet Flow, Grass: Short n= 0.150 P2= 3.04"
0.5	100	0.0434	3.35		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.9	285	0.1076	5.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
3.6	780	0.0500	3.60		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
14.1	1,265	Total			

Subcatchment 1S: EX-A

Hydrograph



Pre-000

Prepared by E&A Consulting Group

HydroCAD® 10.20-3g s/n 13223 © 2023 HydroCAD Software Solutions LLC

Type II 24-hr 10-Year Rainfall=4.48"

Printed 8/15/2024

Page 8

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: EX-A

Runoff Area=17.971 ac 5.33% Impervious Runoff Depth>2.25"
Flow Length=1,265' Tc=14.1 min CN=80 Runoff=58.13 cfs 3.374 af

Total Runoff Area = 17.971 ac Runoff Volume = 3.374 af Average Runoff Depth = 2.25"
94.67% Pervious = 17.014 ac 5.33% Impervious = 0.957 ac

Preliminary

Pre-000

Summary for Subcatchment 1S: EX-A

Runoff = 58.13 cfs @ 12.06 hrs, Volume= 3.374 af, Depth> 2.25"

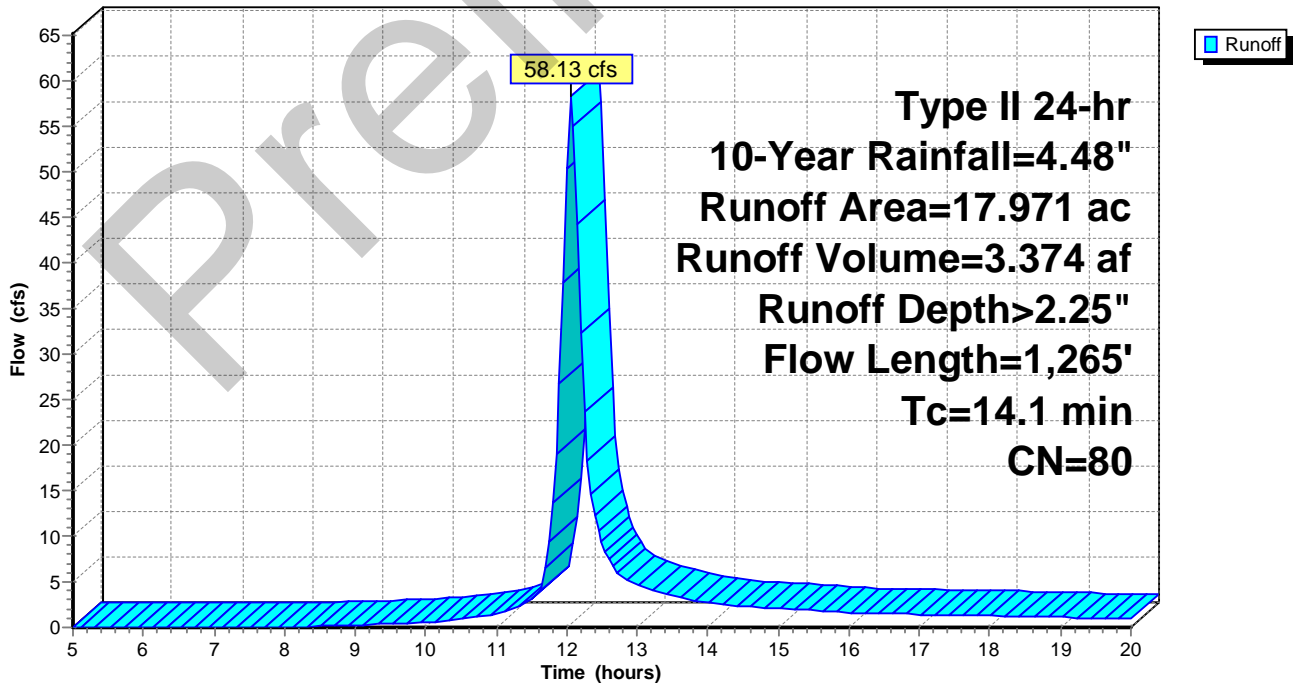
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Type II 24-hr 10-Year Rainfall=4.48"

Area (ac)	CN	Description
17.014	79	Woods/grass comb., Good, HSG D
0.957	98	Paved parking, HSG C
17.971	80	Weighted Average
17.014		94.67% Pervious Area
0.957		5.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	100	0.0257	0.18		Sheet Flow, Grass: Short n= 0.150 P2= 3.04"
0.5	100	0.0434	3.35		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.9	285	0.1076	5.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
3.6	780	0.0500	3.60		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
14.1	1,265	Total			

Subcatchment 1S: EX-A

Hydrograph



Pre-000

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Type II 24-hr 100-Year Rainfall=7.33"

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Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: EX-A

Runoff Area=17.971 ac 5.33% Impervious Runoff Depth>4.66"
Flow Length=1,265' Tc=14.1 min CN=80 Runoff=116.97 cfs 6.974 af

Total Runoff Area = 17.971 ac Runoff Volume = 6.974 af Average Runoff Depth = 4.66"
94.67% Pervious = 17.014 ac 5.33% Impervious = 0.957 ac

Preliminary

Pre-000

Summary for Subcatchment 1S: EX-A

Runoff = 116.97 cfs @ 12.06 hrs, Volume= 6.974 af, Depth> 4.66"

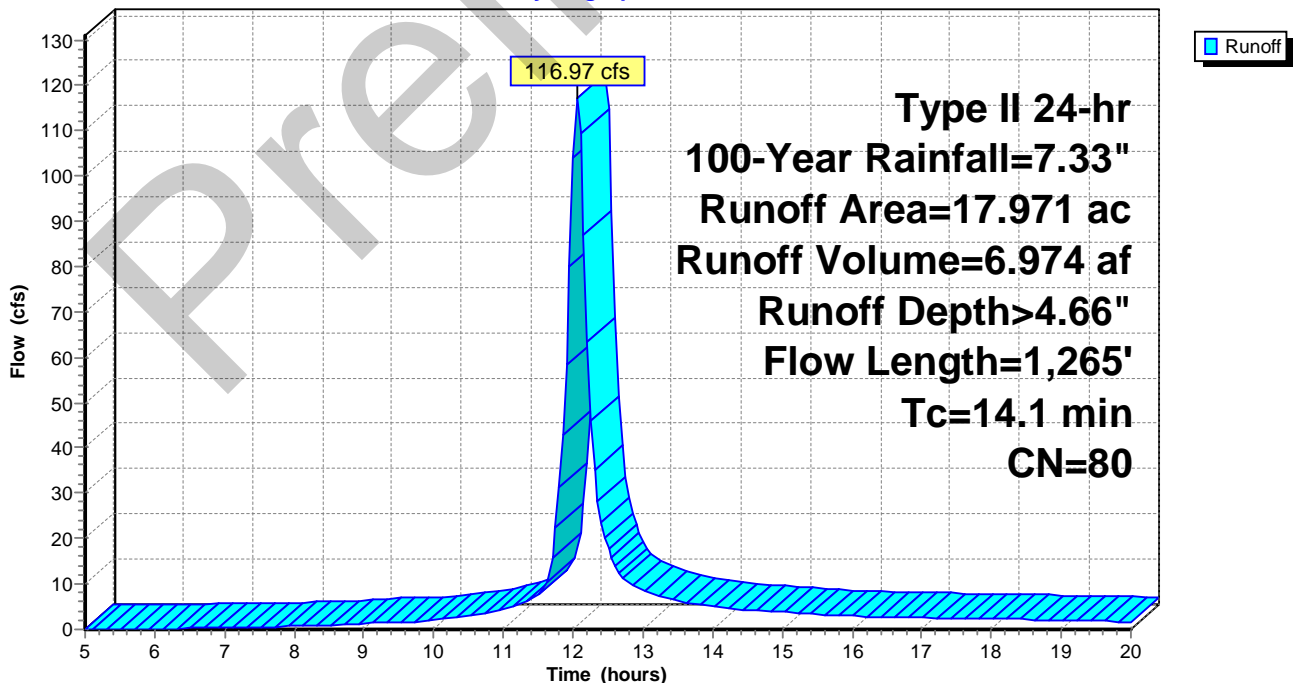
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Type II 24-hr 100-Year Rainfall=7.33"

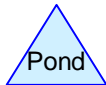
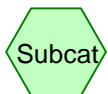
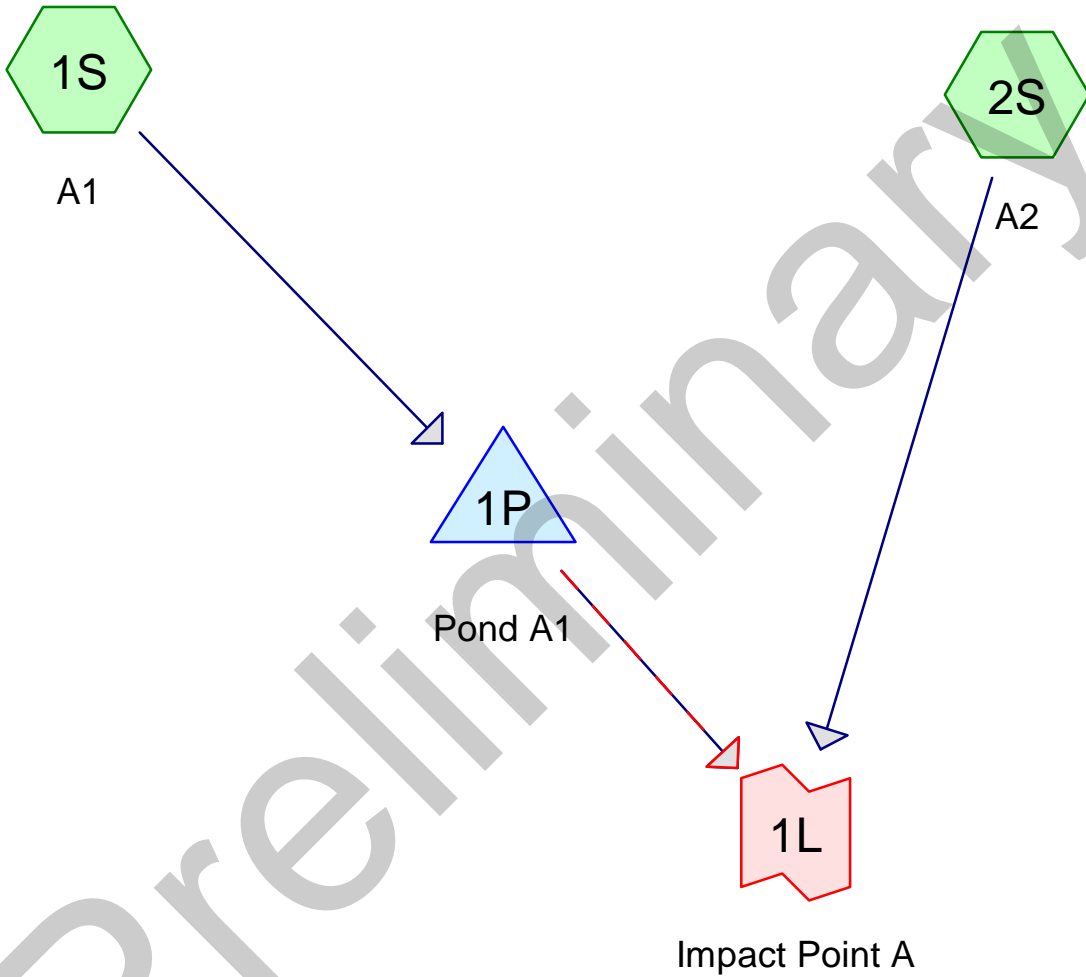
Area (ac)	CN	Description
17.014	79	Woods/grass comb., Good, HSG D
0.957	98	Paved parking, HSG C
17.971	80	Weighted Average
17.014		94.67% Pervious Area
0.957		5.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	100	0.0257	0.18		Sheet Flow, Grass: Short n= 0.150 P2= 3.04"
0.5	100	0.0434	3.35		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.9	285	0.1076	5.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
3.6	780	0.0500	3.60		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
14.1	1,265	Total			

Subcatchment 1S: EX-A

Hydrograph





Post-000

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Project Notes

Rainfall events imported from "Pre-000.hcp"

Preliminary

Post-000

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	Type II 24-hr		Default	24.00	1	3.04	2
2	10-Year	Type II 24-hr		Default	24.00	1	4.48	2
3	100-Year	Type II 24-hr		Default	24.00	1	7.33	2

Preliminary

Post-000

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
3.389	87	1/4 acre lots, 38% imp, HSG D (1S)
1.261	92	1/8 acre lots, 65% imp, HSG D (1S, 2S)
6.557	80	>75% Grass cover, Good, HSG D (1S, 2S)
0.828	98	Paved parking, HSG C (2S)
5.295	98	Paved parking, HSG D (1S)
1.840	79	Woods/grass comb., Good, HSG D (2S)
19.170	88	TOTAL AREA

Preliminary

Post-000

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	1P	1,386.00	1,382.00	180.0	0.0222	0.011	0.0	36.0	0.0	

Preliminary

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Type II 24-hr 2-Year Rainfall=3.04"

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Time span=5.00-60.00 hrs, dt=0.05 hrs, 1101 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: A1

Runoff Area=14.330 ac 49.19% Impervious Runoff Depth=1.94"
Tc=10.9 min CN=89 Runoff=40.12 cfs 2.312 af

Subcatchment 2S: A2

Runoff Area=4.840 ac 24.40% Impervious Runoff Depth=1.55"
Tc=8.0 min CN=84 Runoff=12.26 cfs 0.625 af

Pond 1P: Pond A1

Peak Elev=1,391.39' Storage=39,217 cf Inflow=40.12 cfs 2.312 af
Primary=18.68 cfs 2.312 af Secondary=0.00 cfs 0.000 af Outflow=18.68 cfs 2.312 af

Link 1L: Impact Point A

Inflow=22.48 cfs 2.937 af
Primary=22.48 cfs 2.937 af

Total Runoff Area = 19.170 ac Runoff Volume = 2.937 af Average Runoff Depth = 1.84"
57.07% Pervious = 10.940 ac 42.93% Impervious = 8.230 ac

Preliminary

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Type II 24-hr 2-Year Rainfall=3.04"

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Summary for Subcatchment 1S: A1

Runoff = 40.12 cfs @ 12.02 hrs, Volume= 2.312 af, Depth= 1.94"

Routed to Pond 1P : Pond A1

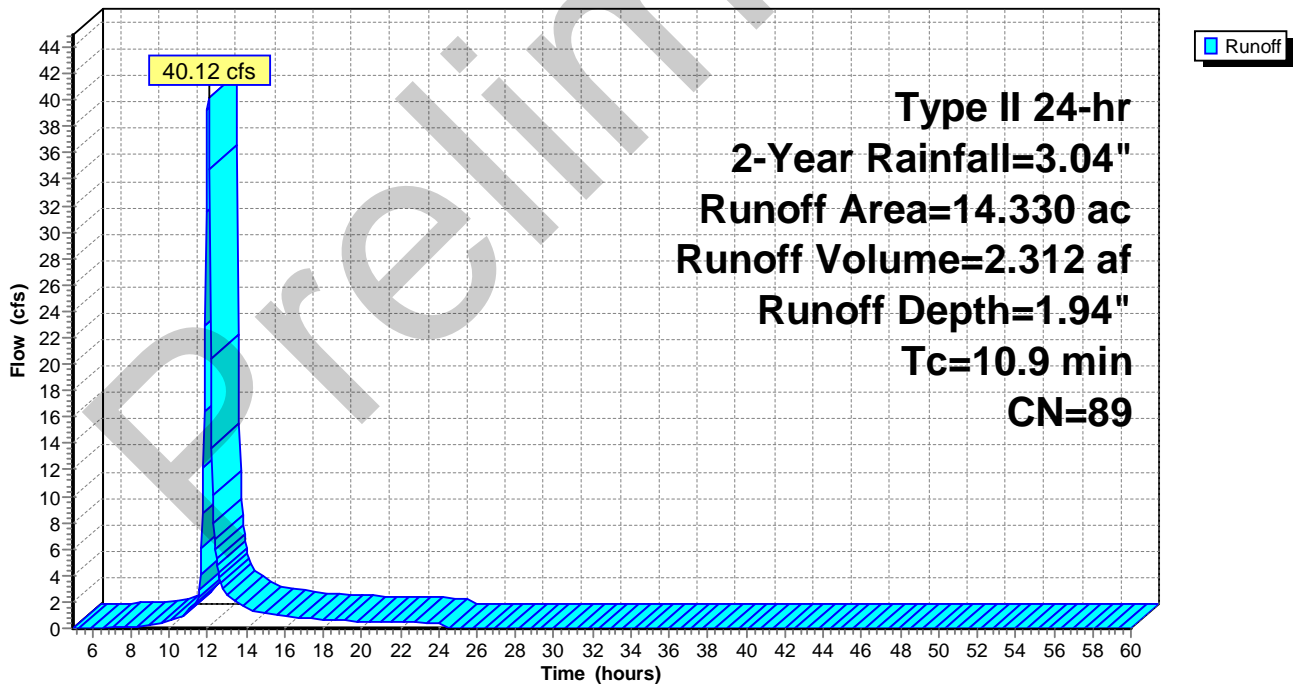
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Type II 24-hr 2-Year Rainfall=3.04"

Area (ac)	CN	Description
5.295	98	Paved parking, HSG D
0.718	92	1/8 acre lots, 65% imp, HSG D
3.389	87	1/4 acre lots, 38% imp, HSG D
4.928	80	>75% Grass cover, Good, HSG D
14.330	89	Weighted Average
7.280		50.81% Pervious Area
7.050		49.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9					Direct Entry,

Subcatchment 1S: A1

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.04"

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Summary for Subcatchment 2S: A2

Runoff = 12.26 cfs @ 12.00 hrs, Volume= 0.625 af, Depth= 1.55"

Routed to Link 1L : Impact Point A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

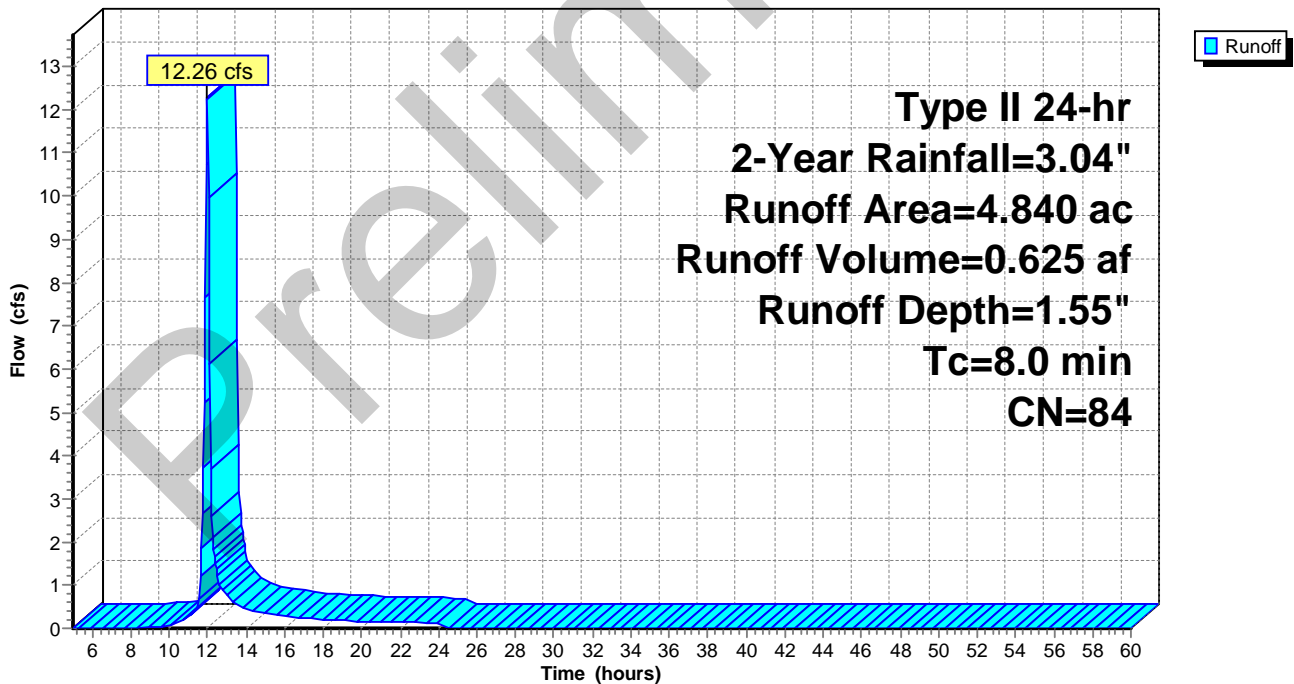
Type II 24-hr 2-Year Rainfall=3.04"

Area (ac)	CN	Description
0.828	98	Paved parking, HSG C
0.543	92	1/8 acre lots, 65% imp, HSG D
1.629	80	>75% Grass cover, Good, HSG D
1.840	79	Woods/grass comb., Good, HSG D
4.840	84	Weighted Average
3.659		75.60% Pervious Area
1.181		24.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

Subcatchment 2S: A2

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.04"

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Summary for Pond 1P: Pond A1

WQCV- 24626

Opening- 2.66 to 3.2 inches

[44] Hint: Outlet device #2 is below defined storage

Inflow Area = 14.330 ac, 49.19% Impervious, Inflow Depth = 1.94" for 2-Year event
 Inflow = 40.12 cfs @ 12.02 hrs, Volume= 2.312 af
 Outflow = 18.68 cfs @ 12.17 hrs, Volume= 2.312 af, Atten= 53%, Lag= 8.7 min
 Primary = 18.68 cfs @ 12.17 hrs, Volume= 2.312 af
 Routed to Link 1L : Impact Point A
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Link 1L : Impact Point A

Routing by Stor-Ind method, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Peak Elev= 1,391.39' @ 12.17 hrs Surf.Area= 15,210 sf Storage= 39,217 cf

Plug-Flow detention time= 314.1 min calculated for 2.312 af (100% of inflow)
 Center-of-Mass det. time= 314.1 min (1,128.7 - 814.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,387.00'	175,416 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,387.00	40	0	0
1,388.00	4,725	2,383	2,383
1,389.00	9,749	7,237	9,620
1,390.00	11,912	10,831	20,450
1,391.00	14,257	13,085	33,535
1,392.00	16,727	15,492	49,027
1,393.00	19,358	18,043	67,069
1,394.00	22,151	20,755	87,824
1,395.00	26,517	24,334	112,158
1,396.00	100,000	63,259	175,416

Device	Routing	Invert	Outlet Devices
#1	Primary	1,386.00'	36.0" Round Culvert L= 180.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,386.00' / 1,382.00' S= 0.0222 ' /' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 7.07 sf
#2	Device 1	1,386.50'	3.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	1,390.30'	20.0" W x 27.0" H Vert. Orifice/Grate X 3.00 C= 0.600 Limited to weir flow at low heads
#4	Device 1	1,393.00'	36.0" x 36.0" Horiz. Orifice/Grate C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads
#5	Secondary	1,394.00'	14.0' long x 14.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

Post-000

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Type II 24-hr 2-Year Rainfall=3.04"

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Primary OutFlow Max=18.35 cfs @ 12.17 hrs HW=1,391.37' (Free Discharge)

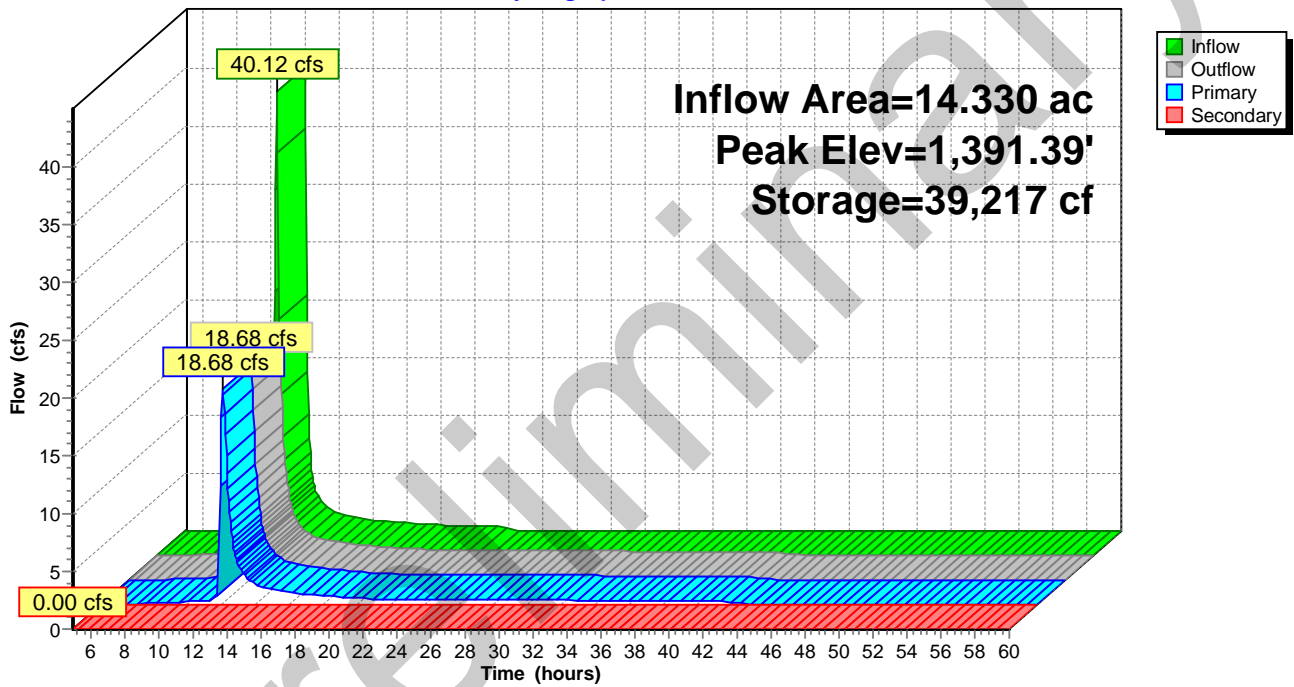
- 1=Culvert (Passes 18.35 cfs of 66.98 cfs potential flow)
- 2=Orifice/Grate (Orifice Controls 0.52 cfs @ 10.49 fps)
- 3=Orifice/Grate (Orifice Controls 17.83 cfs @ 3.32 fps)
- 4=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,387.00' (Free Discharge)

- 5=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: Pond A1

Hydrograph



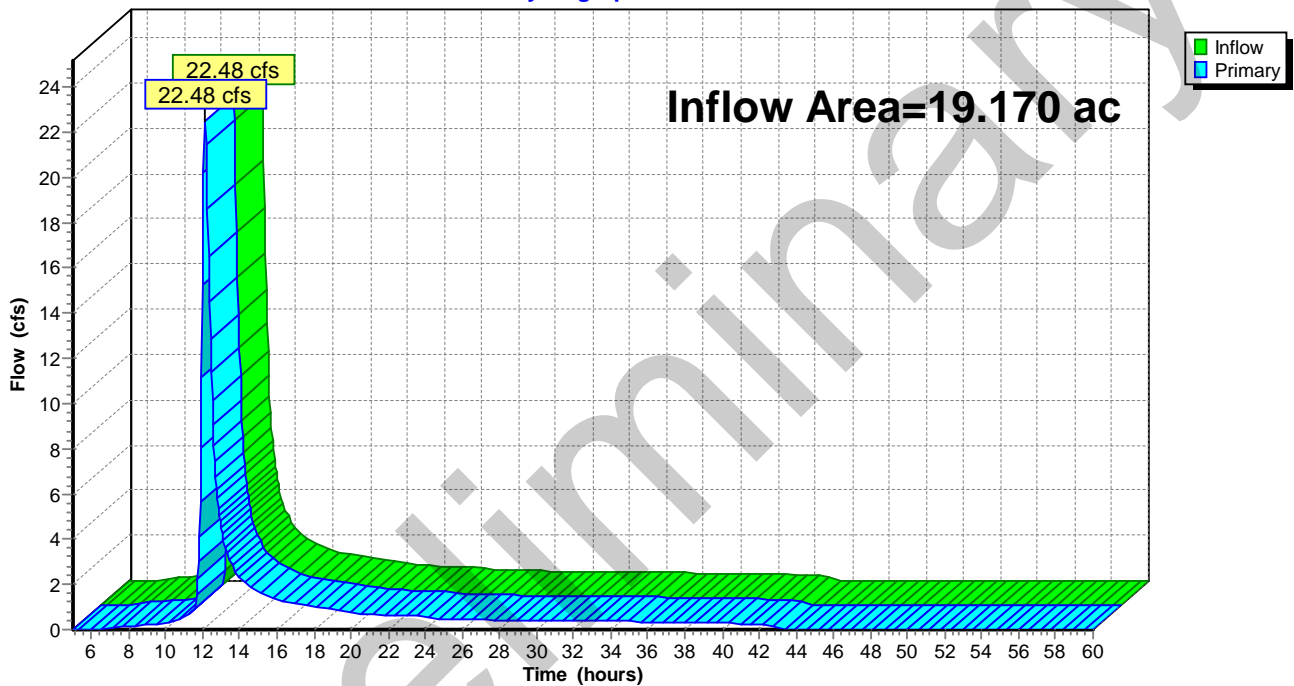
Summary for Link 1L: Impact Point A

Inflow Area = 19.170 ac, 42.93% Impervious, Inflow Depth = 1.84" for 2-Year event
Inflow = 22.48 cfs @ 12.12 hrs, Volume= 2.937 af
Primary = 22.48 cfs @ 12.12 hrs, Volume= 2.937 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

Link 1L: Impact Point A

Hydrograph



Post-000

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Type II 24-hr 10-Year Rainfall=4.48"

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Time span=5.00-60.00 hrs, dt=0.05 hrs, 1101 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: A1

Runoff Area=14.330 ac 49.19% Impervious Runoff Depth>3.28"
Tc=10.9 min CN=89 Runoff=66.37 cfs 3.912 af

Subcatchment 2S: A2

Runoff Area=4.840 ac 24.40% Impervious Runoff Depth=2.80"
Tc=8.0 min CN=84 Runoff=21.80 cfs 1.129 af

Pond 1P: Pond A1

Peak Elev=1,392.29' Storage=53,958 cf Inflow=66.37 cfs 3.912 af
Primary=45.56 cfs 3.912 af Secondary=0.00 cfs 0.000 af Outflow=45.56 cfs 3.912 af

Link 1L: Impact Point A

Inflow=58.02 cfs 5.041 af
Primary=58.02 cfs 5.041 af

Total Runoff Area = 19.170 ac Runoff Volume = 5.041 af Average Runoff Depth = 3.16"
57.07% Pervious = 10.940 ac 42.93% Impervious = 8.230 ac

Preliminary

Summary for Subcatchment 1S: A1

Runoff = 66.37 cfs @ 12.02 hrs, Volume= 3.912 af, Depth> 3.28"
 Routed to Pond 1P : Pond A1

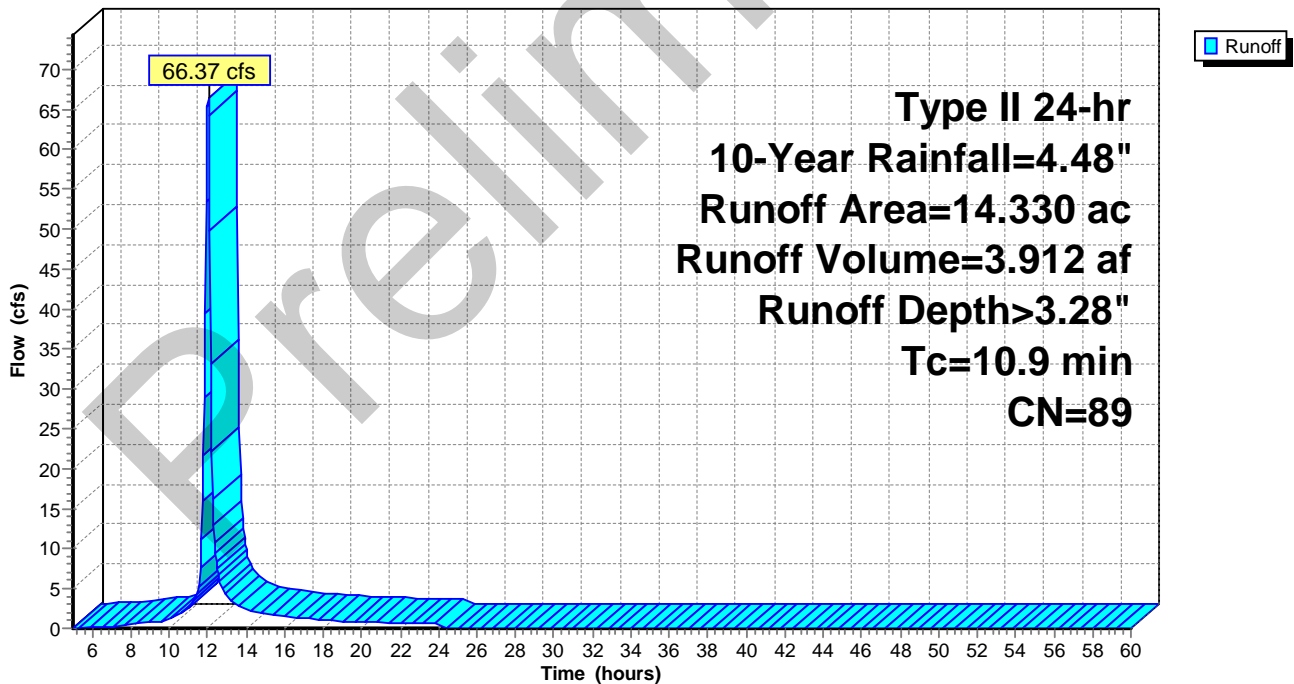
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Type II 24-hr 10-Year Rainfall=4.48"

Area (ac)	CN	Description
5.295	98	Paved parking, HSG D
0.718	92	1/8 acre lots, 65% imp, HSG D
3.389	87	1/4 acre lots, 38% imp, HSG D
4.928	80	>75% Grass cover, Good, HSG D
14.330	89	Weighted Average
7.280		50.81% Pervious Area
7.050		49.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9					Direct Entry,

Subcatchment 1S: A1

Hydrograph



Summary for Subcatchment 2S: A2

Runoff = 21.80 cfs @ 11.99 hrs, Volume= 1.129 af, Depth= 2.80"
 Routed to Link 1L : Impact Point A

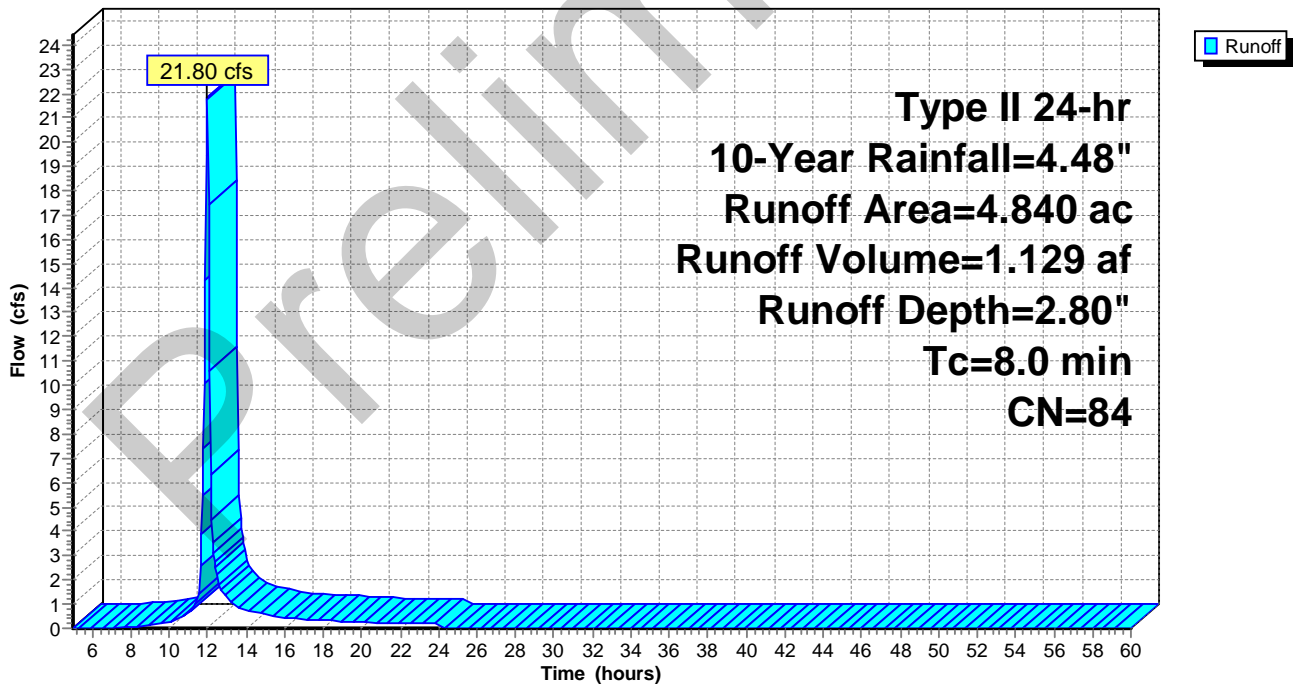
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Type II 24-hr 10-Year Rainfall=4.48"

Area (ac)	CN	Description
0.828	98	Paved parking, HSG C
0.543	92	1/8 acre lots, 65% imp, HSG D
1.629	80	>75% Grass cover, Good, HSG D
1.840	79	Woods/grass comb., Good, HSG D
4.840	84	Weighted Average
3.659		75.60% Pervious Area
1.181		24.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

Subcatchment 2S: A2

Hydrograph



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Type II 24-hr 10-Year Rainfall=4.48"

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Summary for Pond 1P: Pond A1

WQCV- 24626

Opening- 2.66 to 3.2 inches

[44] Hint: Outlet device #2 is below defined storage

Inflow Area = 14.330 ac, 49.19% Impervious, Inflow Depth > 3.28" for 10-Year event
 Inflow = 66.37 cfs @ 12.02 hrs, Volume= 3.912 af
 Outflow = 45.56 cfs @ 12.12 hrs, Volume= 3.912 af, Atten= 31%, Lag= 5.7 min
 Primary = 45.56 cfs @ 12.12 hrs, Volume= 3.912 af
 Routed to Link 1L : Impact Point A
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Link 1L : Impact Point A

Routing by Stor-Ind method, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Peak Elev= 1,392.29' @ 12.12 hrs Surf.Area= 17,486 sf Storage= 53,958 cf

Plug-Flow detention time= 201.1 min calculated for 3.912 af (100% of inflow)
 Center-of-Mass det. time= 201.1 min (1,000.8 - 799.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1,387.00'	175,416 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,387.00	40	0	0
1,388.00	4,725	2,383	2,383
1,389.00	9,749	7,237	9,620
1,390.00	11,912	10,831	20,450
1,391.00	14,257	13,085	33,535
1,392.00	16,727	15,492	49,027
1,393.00	19,358	18,043	67,069
1,394.00	22,151	20,755	87,824
1,395.00	26,517	24,334	112,158
1,396.00	100,000	63,259	175,416

Device	Routing	Invert	Outlet Devices
#1	Primary	1,386.00'	36.0" Round Culvert L= 180.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,386.00' / 1,382.00' S= 0.0222 ' /' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 7.07 sf
#2	Device 1	1,386.50'	3.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	1,390.30'	20.0" W x 27.0" H Vert. Orifice/Grate X 3.00 C= 0.600 Limited to weir flow at low heads
#4	Device 1	1,393.00'	36.0" x 36.0" Horiz. Orifice/Grate C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads
#5	Secondary	1,394.00'	14.0' long x 14.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

Primary OutFlow Max=44.90 cfs @ 12.12 hrs HW=1,392.27' (Free Discharge)

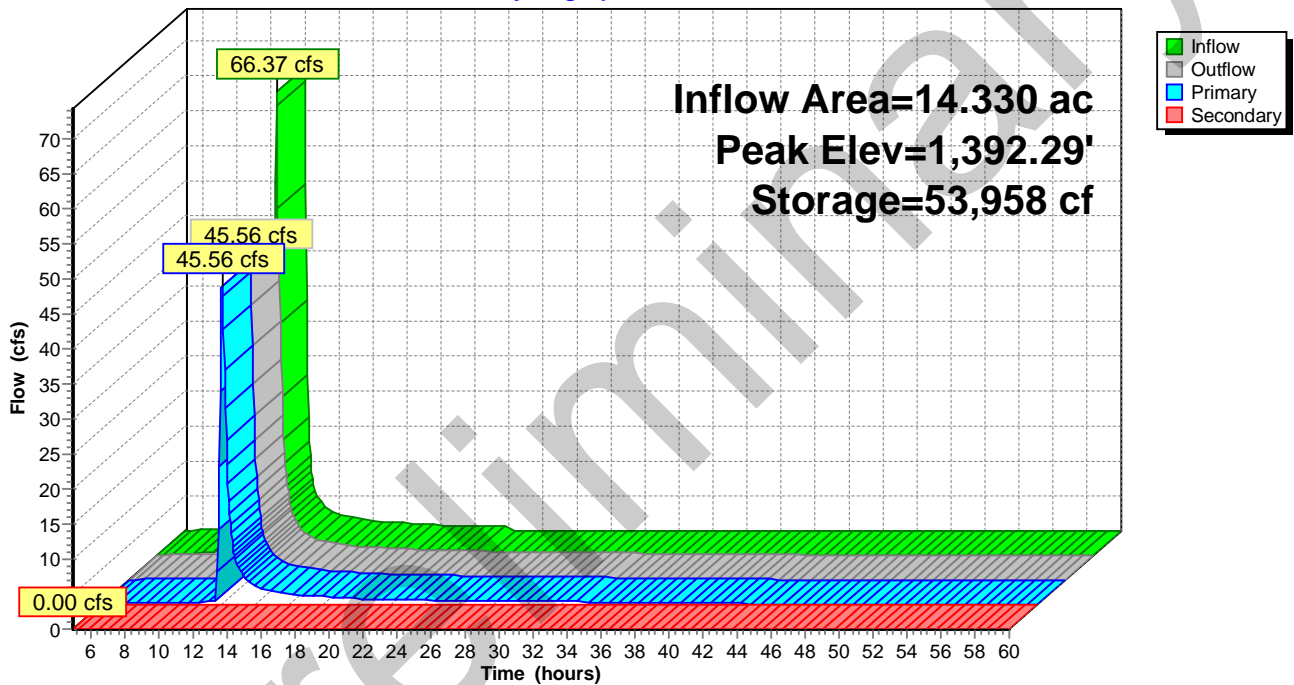
- 1=Culvert (Passes 44.90 cfs of 74.33 cfs potential flow)
- 2=Orifice/Grate (Orifice Controls 0.56 cfs @ 11.44 fps)
- 3=Orifice/Grate (Orifice Controls 44.34 cfs @ 4.50 fps)
- 4=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,387.01' (Free Discharge)

- 5=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: Pond A1

Hydrograph



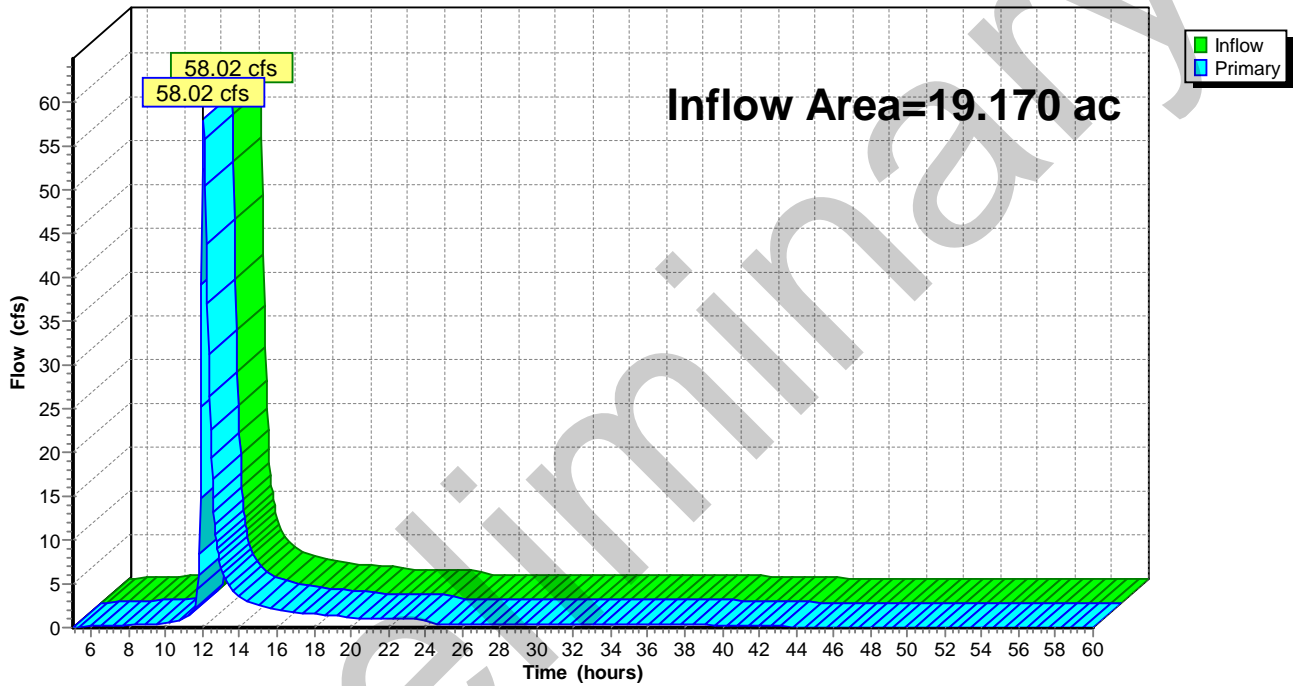
Summary for Link 1L: Impact Point A

Inflow Area = 19.170 ac, 42.93% Impervious, Inflow Depth > 3.16" for 10-Year event
Inflow = 58.02 cfs @ 12.06 hrs, Volume= 5.041 af
Primary = 58.02 cfs @ 12.06 hrs, Volume= 5.041 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

Link 1L: Impact Point A

Hydrograph



Post-000

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Type II 24-hr 100-Year Rainfall=7.33"

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Time span=5.00-60.00 hrs, dt=0.05 hrs, 1101 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: A1

Runoff Area=14.330 ac 49.19% Impervious Runoff Depth>6.00"
Tc=10.9 min CN=89 Runoff=118.03 cfs 7.170 af

Subcatchment 2S: A2

Runoff Area=4.840 ac 24.40% Impervious Runoff Depth>5.45"
Tc=8.0 min CN=84 Runoff=41.08 cfs 2.199 af

Pond 1P: Pond A1

Peak Elev=1,393.48' Storage=76,706 cf Inflow=118.03 cfs 7.170 af
Primary=83.39 cfs 7.170 af Secondary=0.00 cfs 0.000 af Outflow=83.39 cfs 7.170 af

Link 1L: Impact Point A

Inflow=112.90 cfs 9.369 af
Primary=112.90 cfs 9.369 af

Total Runoff Area = 19.170 ac Runoff Volume = 9.369 af Average Runoff Depth = 5.87"
57.07% Pervious = 10.940 ac 42.93% Impervious = 8.230 ac

Preliminary

Post-000

Prepared by E&A Consulting Group

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Type II 24-hr 100-Year Rainfall=7.33"

Printed 8/15/2024

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Summary for Subcatchment 1S: A1

Runoff = 118.03 cfs @ 12.02 hrs, Volume= 7.170 af, Depth> 6.00"

Routed to Pond 1P : Pond A1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

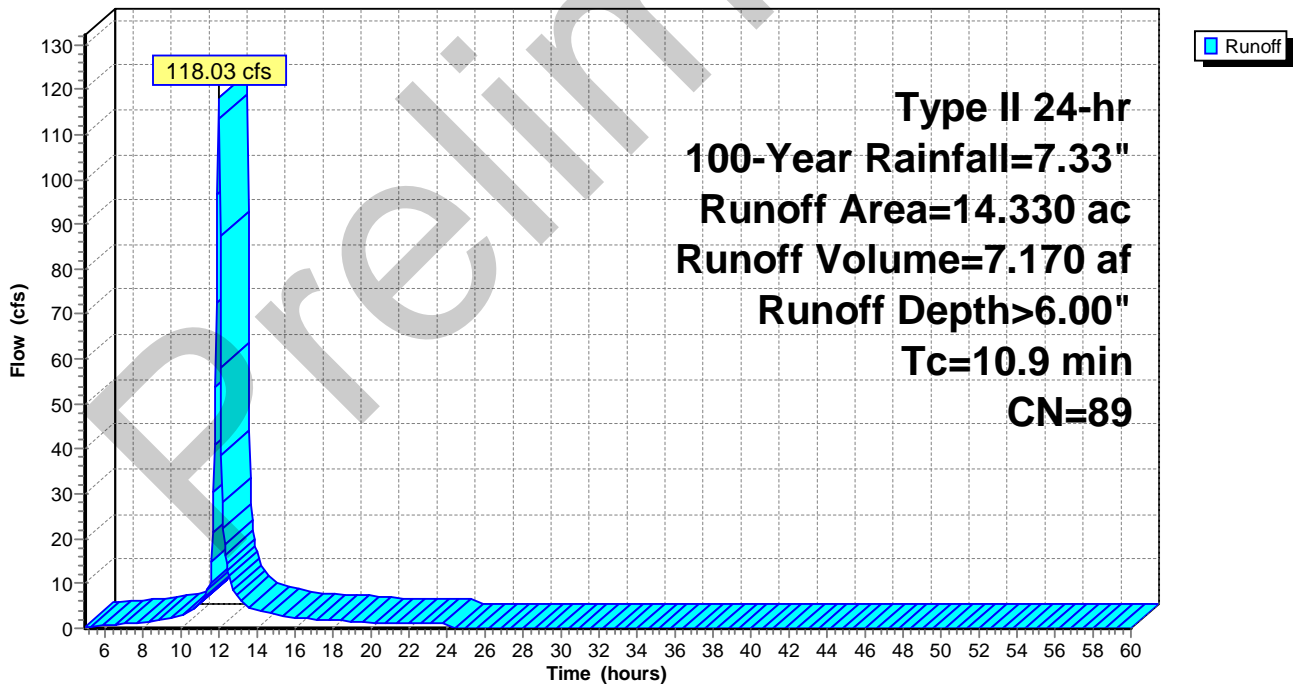
Type II 24-hr 100-Year Rainfall=7.33"

Area (ac)	CN	Description
5.295	98	Paved parking, HSG D
0.718	92	1/8 acre lots, 65% imp, HSG D
3.389	87	1/4 acre lots, 38% imp, HSG D
4.928	80	>75% Grass cover, Good, HSG D
14.330	89	Weighted Average
7.280		50.81% Pervious Area
7.050		49.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9					Direct Entry,

Subcatchment 1S: A1

Hydrograph



Post-000

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Type II 24-hr 100-Year Rainfall=7.33"

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Summary for Subcatchment 2S: A2

Runoff = 41.08 cfs @ 11.99 hrs, Volume= 2.199 af, Depth> 5.45"

Routed to Link 1L : Impact Point A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

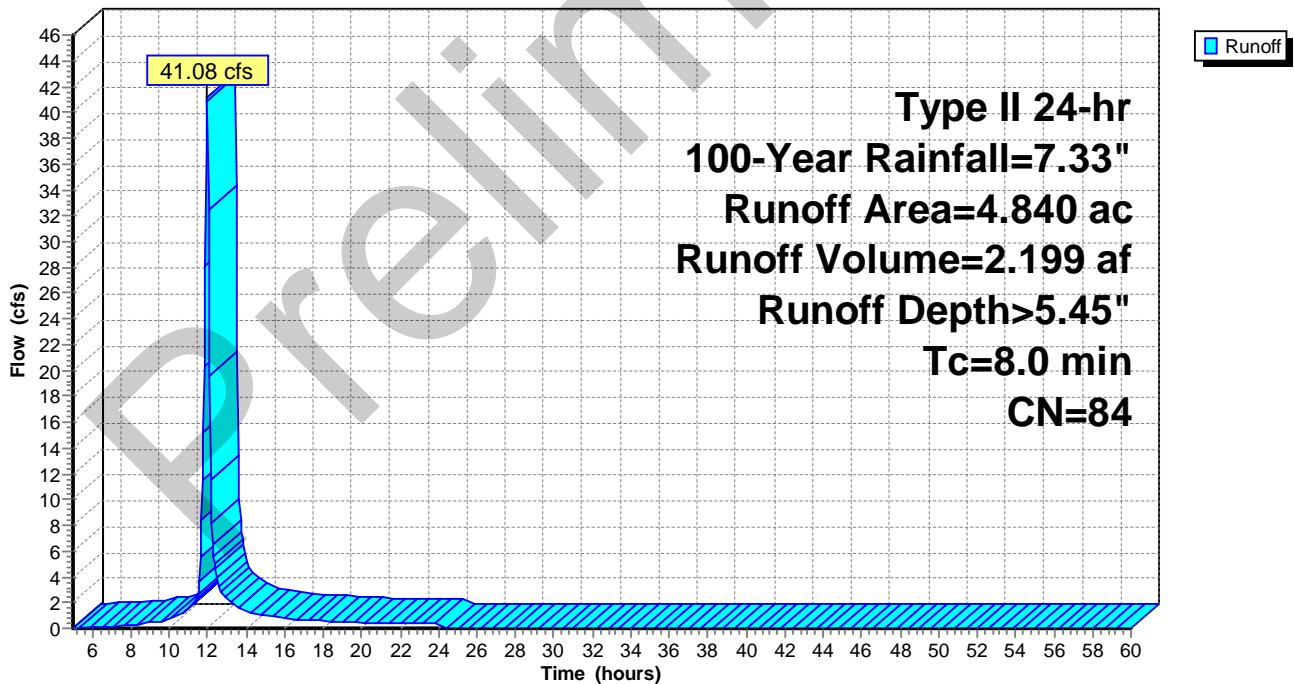
Type II 24-hr 100-Year Rainfall=7.33"

Area (ac)	CN	Description
0.828	98	Paved parking, HSG C
0.543	92	1/8 acre lots, 65% imp, HSG D
1.629	80	>75% Grass cover, Good, HSG D
1.840	79	Woods/grass comb., Good, HSG D
4.840	84	Weighted Average
3.659		75.60% Pervious Area
1.181		24.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

Subcatchment 2S: A2

Hydrograph



Post-000

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Type II 24-hr 100-Year Rainfall=7.33"

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Summary for Pond 1P: Pond A1

WQCV- 24626

Opening- 2.66 to 3.2 inches

[82] Warning: Early inflow requires earlier time span

[44] Hint: Outlet device #2 is below defined storage

Inflow Area = 14.330 ac, 49.19% Impervious, Inflow Depth > 6.00" for 100-Year event
 Inflow = 118.03 cfs @ 12.02 hrs, Volume= 7.170 af
 Outflow = 83.39 cfs @ 12.12 hrs, Volume= 7.170 af, Atten= 29%, Lag= 5.8 min
 Primary = 83.39 cfs @ 12.12 hrs, Volume= 7.170 af
 Routed to Link 1L : Impact Point A
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Link 1L : Impact Point A

Routing by Stor-Ind method, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Peak Elev= 1,393.48' @ 12.11 hrs Surf.Area= 20,702 sf Storage= 76,706 cf

Plug-Flow detention time= 125.4 min calculated for 7.163 af (100% of inflow)
 Center-of-Mass det. time= 126.2 min (911.4 - 785.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1,387.00'	175,416 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,387.00	40	0	0
1,388.00	4,725	2,383	2,383
1,389.00	9,749	7,237	9,620
1,390.00	11,912	10,831	20,450
1,391.00	14,257	13,085	33,535
1,392.00	16,727	15,492	49,027
1,393.00	19,358	18,043	67,069
1,394.00	22,151	20,755	87,824
1,395.00	26,517	24,334	112,158
1,396.00	100,000	63,259	175,416

Device	Routing	Invert	Outlet Devices
#1	Primary	1,386.00'	36.0" Round Culvert L= 180.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,386.00' / 1,382.00' S= 0.0222 ' / Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 7.07 sf
#2	Device 1	1,386.50'	3.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	1,390.30'	20.0" W x 27.0" H Vert. Orifice/Grate X 3.00 C= 0.600 Limited to weir flow at low heads
#4	Device 1	1,393.00'	36.0" x 36.0" Horiz. Orifice/Grate C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads
#5	Secondary	1,394.00'	14.0' long x 14.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60

Post-000

Prepared by E&A Consulting Group

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Type II 24-hr 100-Year Rainfall=7.33"

Printed 8/15/2024

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Coef. (English) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

Primary OutFlow Max=83.02 cfs @ 12.12 hrs HW=1,393.45' (Free Discharge)

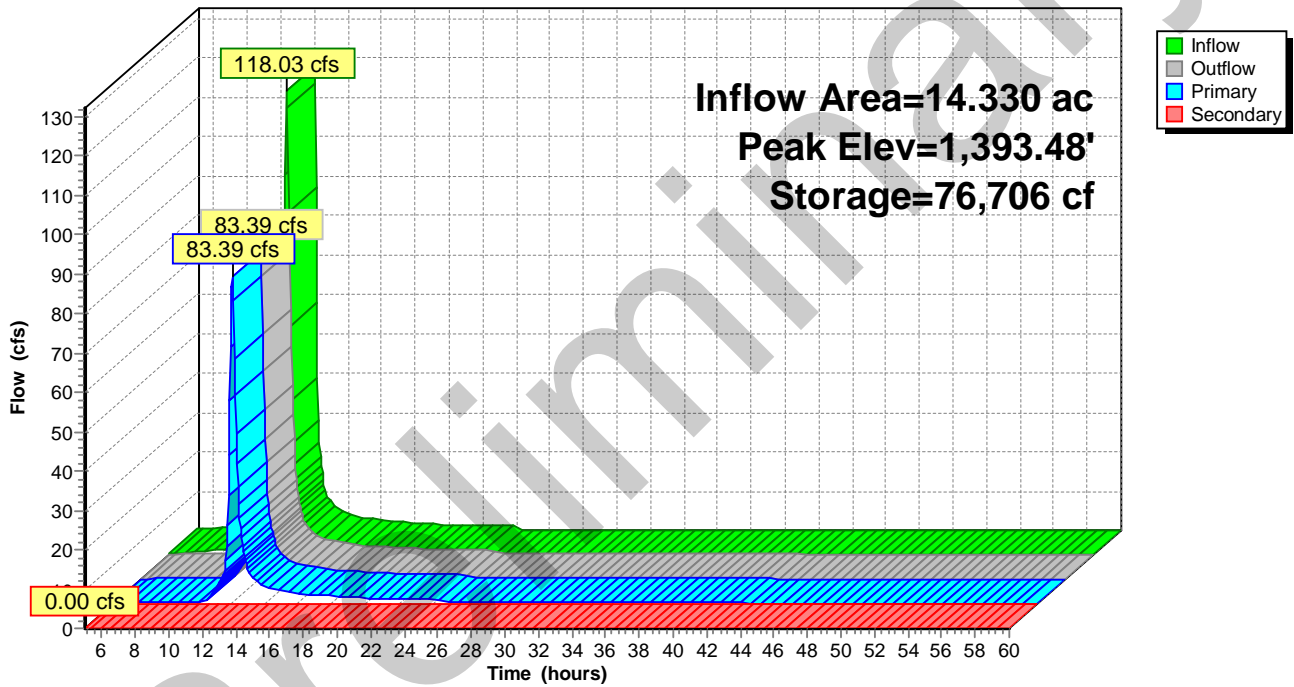
- 1=Culvert (Inlet Controls 83.02 cfs @ 11.75 fps)
- 2=Orifice/Grate (Passes < 0.62 cfs potential flow)
- 3=Orifice/Grate (Passes < 76.04 cfs potential flow)
- 4=Orifice/Grate (Passes < 11.86 cfs potential flow)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,387.09' (Free Discharge)

- 5=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: Pond A1

Hydrograph



**APPENDIX F:
PRELIMINARY PIPE SIZING CALCULATIONS**



Engineer's Preliminary Pipe Sizing Calculations
Dittmer Commercial
 Crete, NE

Project No: 2022.289.001
 8/15/2024

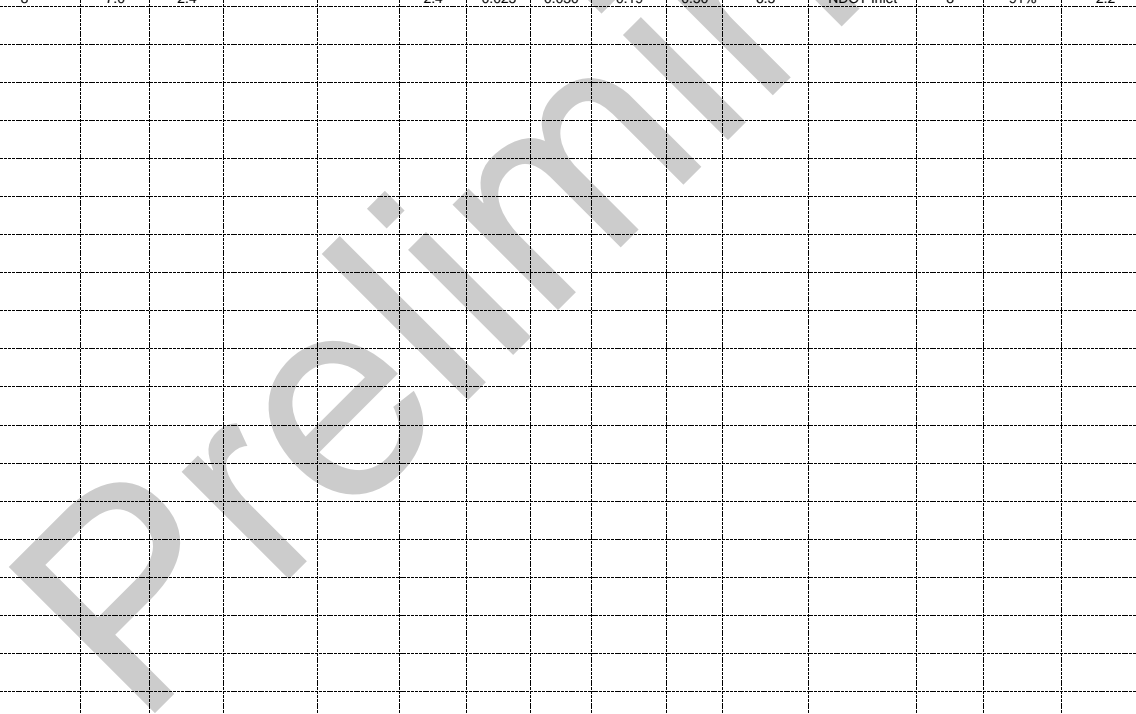
Proposed Preliminary Pipe Sizing Calculations																						
Minor Storm System Conveyance Analysis								Major Storm System Conveyance Analysis														
Minor Storm Average Return Frequency 10 Years								Major Storm Average Return Frequency 100 Years														
Location (Parcel)	Area, A	Coefficient, C	A*C	Sum, A*C	Time of Concentration, Tc	Intensity, I	Runoff, Qr	Pipe Slope, Sp	Pipe Length, L	Pipe Diameter D	Pipe Capacity Qp	Pipe Velocity Vp	Time in Section Tp	Intensity I100	Flow, Q100	Overflow Route Slope	Street Width	Street Capacity	Overflow + Pipe Capacity	Comments		
	acre				min	in/hr	cfs	ft/ft	ft	in	cfs	f/s	min	in/hr	cfs	ft/ft	ft	cfs	cfs	(24)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(23)				
Basin A1																						
A9	1.35	0.33	0.45	0.45	12.2	5.82	2.6	0.0200	65	12	5.0	6.4	0.17	10.96	4.94	0.025	6		5.0	Sump Condition - Swale		
A8-9	8.00	0.51	4.10	4.55	12.4	5.78	26.3	0.0800	105	18	29.7	16.8	0.10	10.89	49.52	0.15	27		29.7	Sump Condition - Private Roadway		
A7	0.42	0.92	0.38	0.38	8.0	7.00	2.7	0.0100	165	12	3.6	4.5	0.61	13.20	5.07	0.02	27		3.6	Sump Condition - Parking Lot		
A6-7	0.71	0.89	0.63	1.02	8.6	6.79	6.9	0.0300	215	15	11.2	9.1	0.39	12.81	13.06	0.2	27		11.2	Sump Condition - Parking Lot		
A5-7	0.65	0.91	0.59	1.61	9.0	6.67	10.7	0.0800	50	15	18.3	14.9	0.06	12.57	20.24	0.25	45		18.3	Sump Condition - Private Roadway		
A4	0.89	0.87	0.78	0.78	8.0	7.00	5.4	0.0270	50	12	5.9	7.5	0.11	13.20	10.26	0.25	30		5.9	Sump Condition - Parking Lot		
A3-4	0.44	0.76	0.33	1.11	8.1	6.96	7.7	0.0050	220	24	16.0	5.1	0.72	13.13	14.60	0.025	27		16.0	On Grade - Private Roadway		
Culvert on Iris Ave	8.78	0.36	3.12	3.12	15.2	5.23	16.3													Culvert under Big Mac Drive		

CURB INLET DESIGN COMPUTATIONS
HEC 12 METHOD

Date: 45519.0
Calculated by: Jordan Jurgens

Project: Dittmer Commercial
Project No. 2022.289.001

LOCATION		DISCHARGE <small>Design Storm = 10 Year</small>													INLET CAPTURE				REMARKS	
Inlet Id.	Drainage Basin Id.	Area (A)	Runoff Coefficient (C)	Time of Concentration (Tc)	Intensity (I)	Direct Runoff cfs	Previous By-Pass	Cross Over	Total Gutter Flow (Q)	Paving Slope (S)	Cross Slope (S _c)	Depth (d)	Curb Height	Gutter Spread (T)	Inlet Type	Opening Length	Efficiency	Intercepted (Q _i)	By-Passed (Q-Q _i)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
		acres		minutes	in/hr		cfs	cfs	cfs	ft/ft	ft/ft	feet	ft	ft		ft		cfs	cfs	
	A9	1.35	0.33	12	5.9	2.6			2.6						18" Grate Inlet	4				Sump Condition - Grass Area
	A8	8.00	0.51	12	5.8	23.8			23.8	0.000	0.030	5.63	0.50	187.8	NDOT Inlet	4	100%	23.8	0.0	Sump Condition - Private Roadway
	A7	0.42	0.92	8	7.0	2.7			2.7	0.000	0.030	0.26	0.50	8.6	NDOT Inlet	4	100%	2.7	0.0	Sump Condition - Parking Lot
	A6	0.71	0.89	9	6.9	4.3			4.3	0.000	0.024	0.35	0.50	14.8	NDOT Inlet	4	100%	4.3	0.0	Sump Condition - Parking Lot
	A5	0.65	0.91	9	6.7	4.0			4.0	0.000	0.030	0.33	0.50	11.2	NDOT Inlet	4	100%	4.0	0.0	Sump Condition - Private Roadway
	A4	0.89	0.87	8	7.1	5.5			5.5	0.000	0.060	0.41	0.50	6.9	NDOT Inlet	4	100%	5.5	0.0	Sump Condition - Parking Lot
C1	A3	0.44	0.76	8	7.0	2.4			2.4	0.025	0.030	0.19	0.50	6.5	NDOT Inlet	8	91%	2.2	0.2	On Grade - Private Roadway



Column 9, Cross Over: This column may utilized to account for additional flow received by the inlet that crossed over from the opposite side of the crown.

Notes:

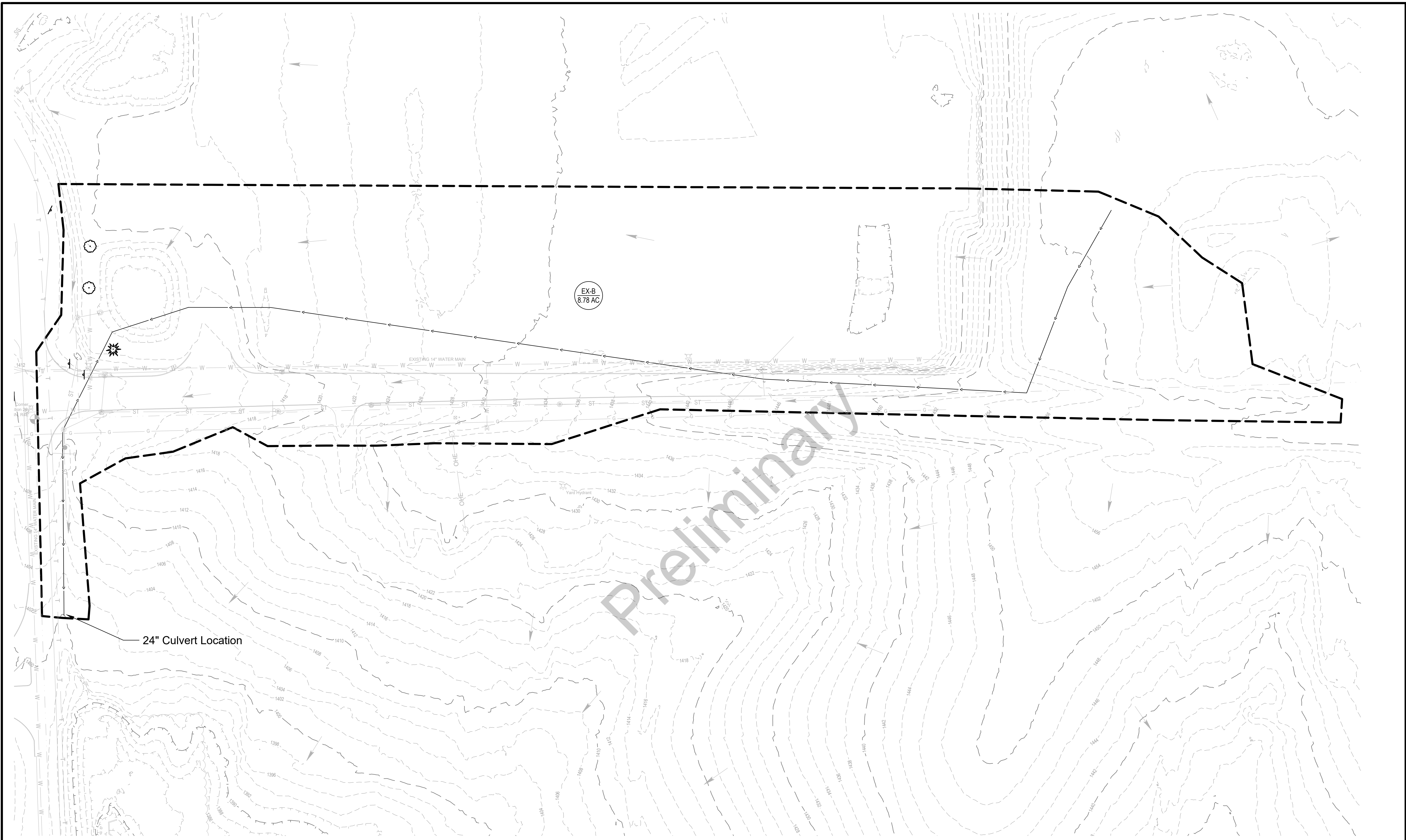
Column 13 - Depth (d) at Gutter Upstream of Inlet

Sheet

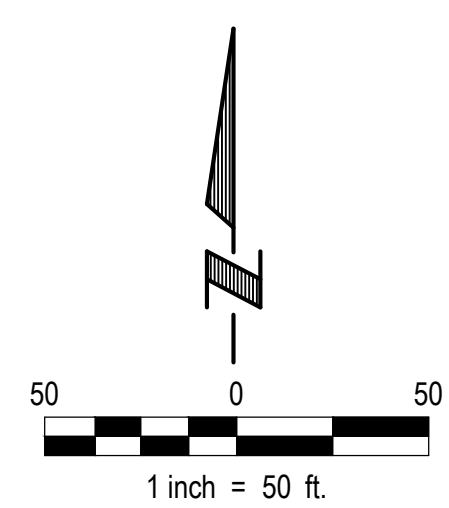
1 of 1

Preliminary

**APPENDIX G:
HY-8 CULVERT ANALYSIS**

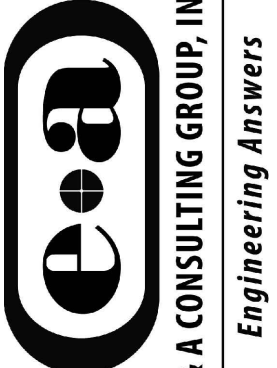


Preliminary



GRADING & EROSION LEGEND

- Property Line
- Adjacent Property Line
- Easement
- ▒ Building
- - - 1160 Exist. Major Contours
- - - 1156 Exist. Minor Contours
- - - 1160 Prop. Major Contours
- - - 1153 Prop. Minor Contours
- Flow Direction

Proj No: 2022.268.001 Date: 08/13/2024 Designed By: RFO Drawn By: JLI Scale: AS SHOWN Sheet: 3 of 3	Revision <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Rev</th> <th>Date</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Rev	Date	Description				DITTMER COMMERCIAL ADDITION DRAINAGE REPORT CRETE, NEBRASKA	 E & A CONSULTING GROUP, INC. Engineering • Planning • Environmental & Field Services 2077 N Street, Suite 400 Lincoln, NE 68510-1068 Phone: 402.420.7217 www.easg.com State of NE Certificate of Authorization #C-00008
Rev	Date	Description							

Source: Jurgens 8/12/2024 10:57 AM K:\Projects\2022\268\001\Engineering\CAD\Map\Drainage Study\FPE-DPM000.dwg

HY-8 Culvert Analysis Report

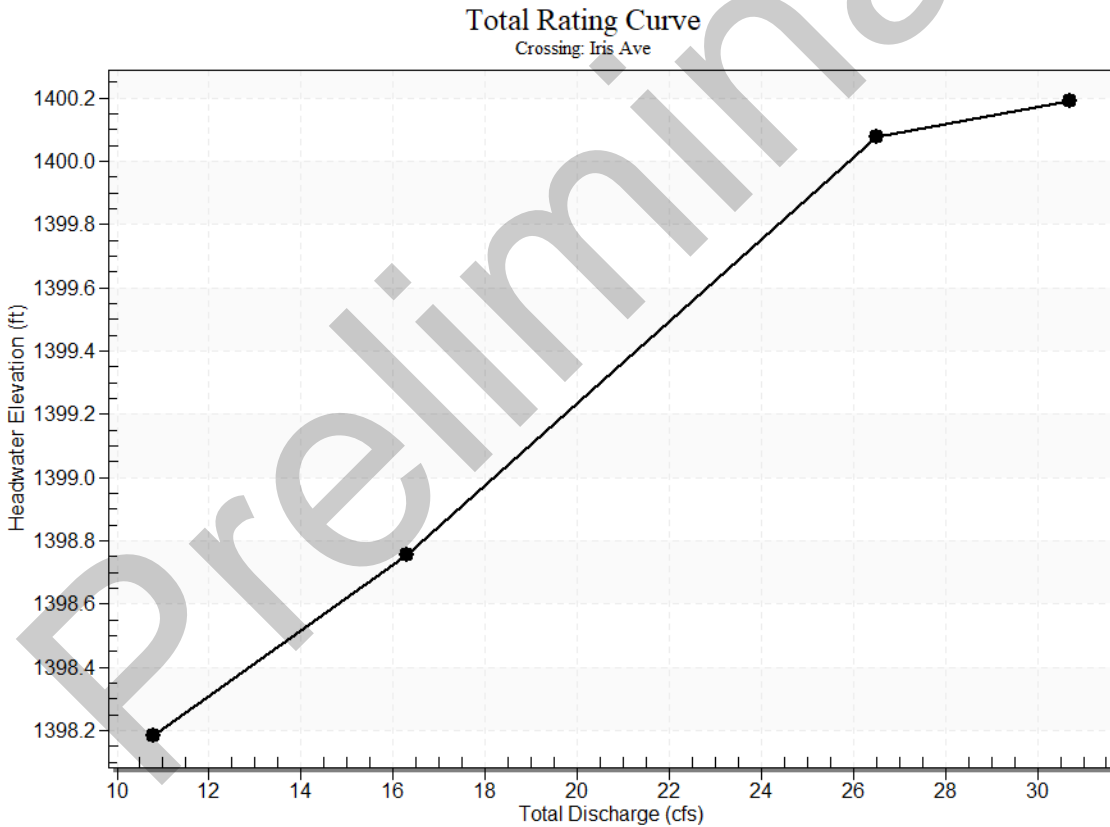
Crossing Discharge Data

Discharge Selection Method: Recurrence

Table 1 - Summary of Culvert Flows at Crossing: Iris Ave

Headwater Elevation (ft)	Discharge Names	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
1398.18	2 year	10.80	10.80	0.00	1
1398.75	10 year	16.30	16.30	0.00	1
1400.08	50 year	26.50	25.19	1.28	13
1400.19	100 year	30.70	25.79	4.89	6
1400.00	Overtopping	24.75	24.75	0.00	Overtopping

Rating Curve Plot for Crossing: Iris Ave



Culvert Data: Culvert 1

Table 1 - Culvert Summary Table: Culvert 1

Disc	Total	Culv	Head	Inle	Out	Fl	Nor	Crit	Ou	Tail	Outl	Tail
------	-------	------	------	------	-----	----	-----	------	----	------	------	------

Channel Name	Discharge (cfs)	Return Discharge (cfs)	Water Elevation (ft)	Water Control Depth (ft)	Inlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Actual Depth (ft)	Water Table Depth (ft)	Water Depth (ft)	Velocity (ft/s)	Water Velocity (ft/s)
2 year	10.80 cfs	10.80 cfs	1398.18	1.68	0.0*	1-S2n	0.62	1.18	0.66	0.31	11.92	4.95
10 year	16.30 cfs	16.30 cfs	1398.75	2.25	0.0*	5-S2n	0.77	1.46	0.84	0.40	13.08	5.68
50 year	26.50 cfs	25.19 cfs	1400.08	3.58	0.864	5-S2n	0.98	1.77	1.09	0.53	14.35	6.66
100 year	30.70 cfs	25.79 cfs	1400.19	3.69	0.963	5-S2n	1.00	1.78	1.11	0.57	14.43	6.98

* Full Flow Headwater elevation is below inlet invert.

Culvert Barrel Data

Culvert Barrel Type Straight Culvert

Inlet Elevation (invert): 1396.50 ft,

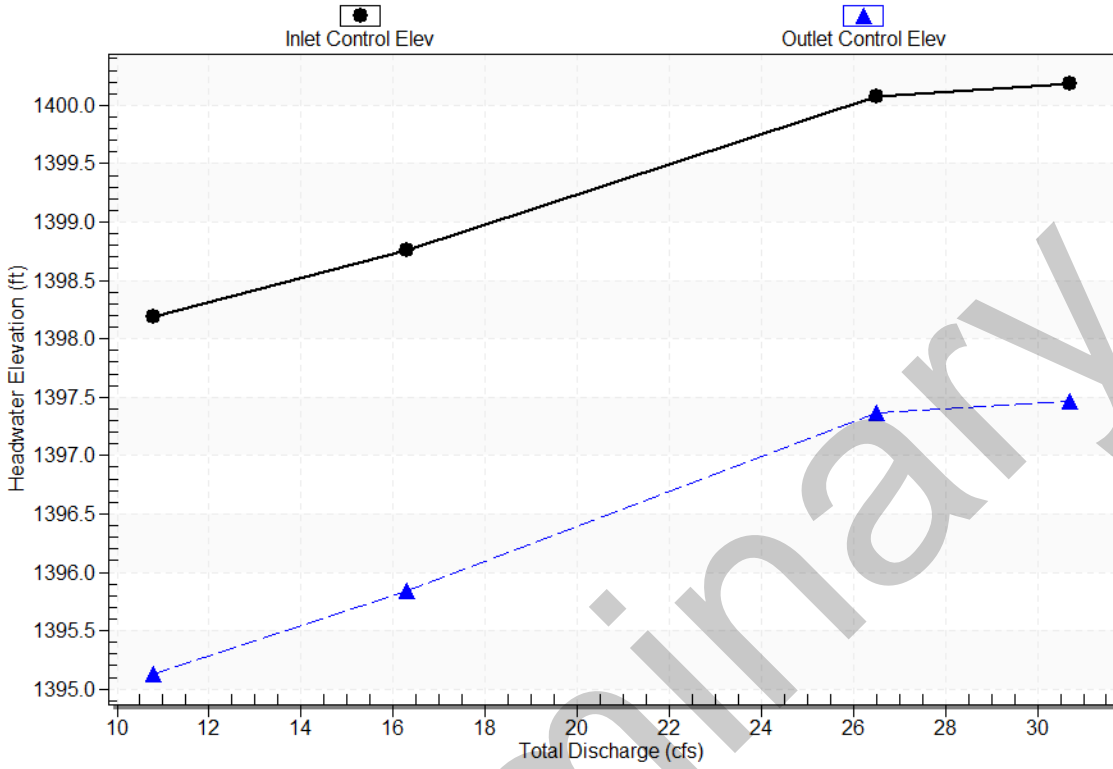
Outlet Elevation (invert): 1393.60 ft

Culvert Length: 65.06 ft,

Culvert Slope: 0.0446

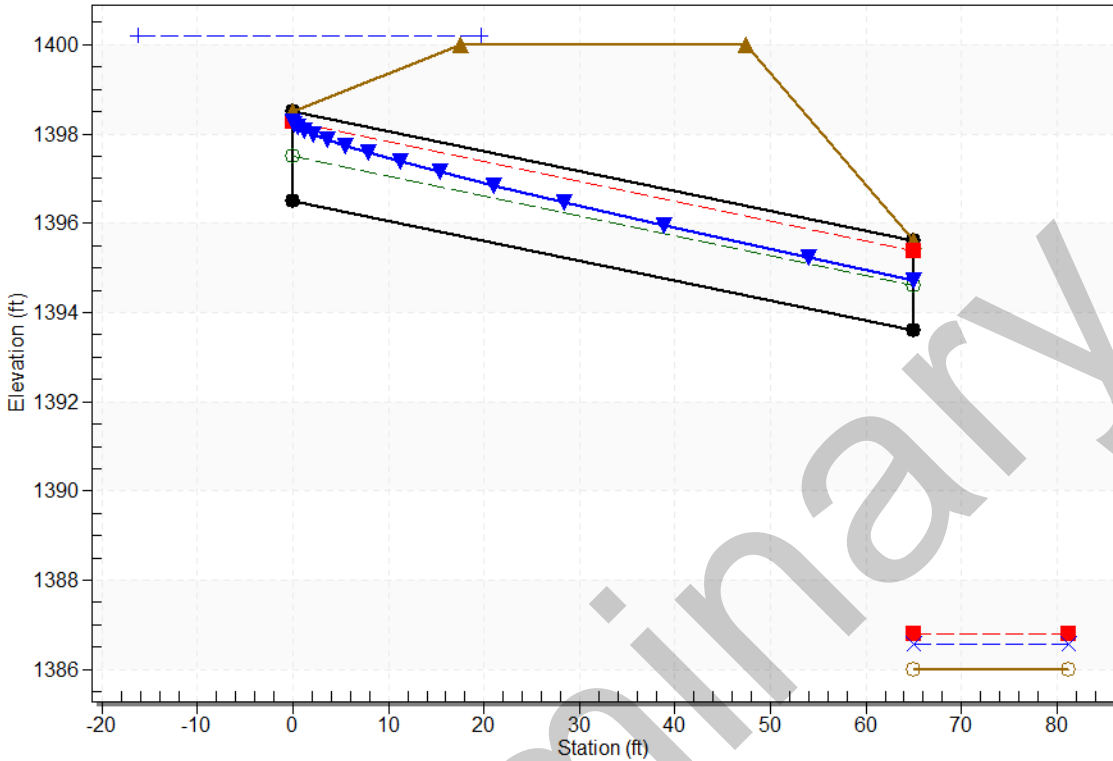
Culvert Performance Curve Plot: Culvert 1

Performance Curve
Culvert: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1

Crossing - Iris Ave, Design Discharge - 30.7 cfs
Culvert - Culvert 1, Culvert Discharge - 25.8 cfs



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 1396.50 ft

Outlet Station: 65.00 ft

Outlet Elevation: 1393.60 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Circular

Barrel Diameter: 2.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Beveled Edge (1:1) ($K_e=0.2$)

Inlet Depression: None

Tailwater Data for Crossing: Iris Ave

Table 2 - Downstream Channel Rating Curve (Crossing: Iris Ave)

Flow (cfs)	Water Surface Elev (ft)	Velocity (ft/s)	Depth (ft)	Shear (psf)	Froude Number
10.80	1386.31	0.31	4.95	1.96	1.66
16.30	1386.40	0.40	5.68	2.49	1.71
26.50	1386.53	0.53	6.66	3.28	1.78
30.70	1386.57	0.57	6.98	3.56	1.80

Tailwater Channel Data - Iris Ave

Tailwater Channel Option: Trapezoidal Channel

Bottom Width: 6.00 ft

Side Slope (H:V): 3.00 (:1)

Channel Slope: 0.1000

Channel Manning's n: 0.0400

Channel Invert Elevation: 1386.00 ft

Roadway Data for Crossing: Iris Ave

Roadway Profile Shape: Constant Roadway Elevation

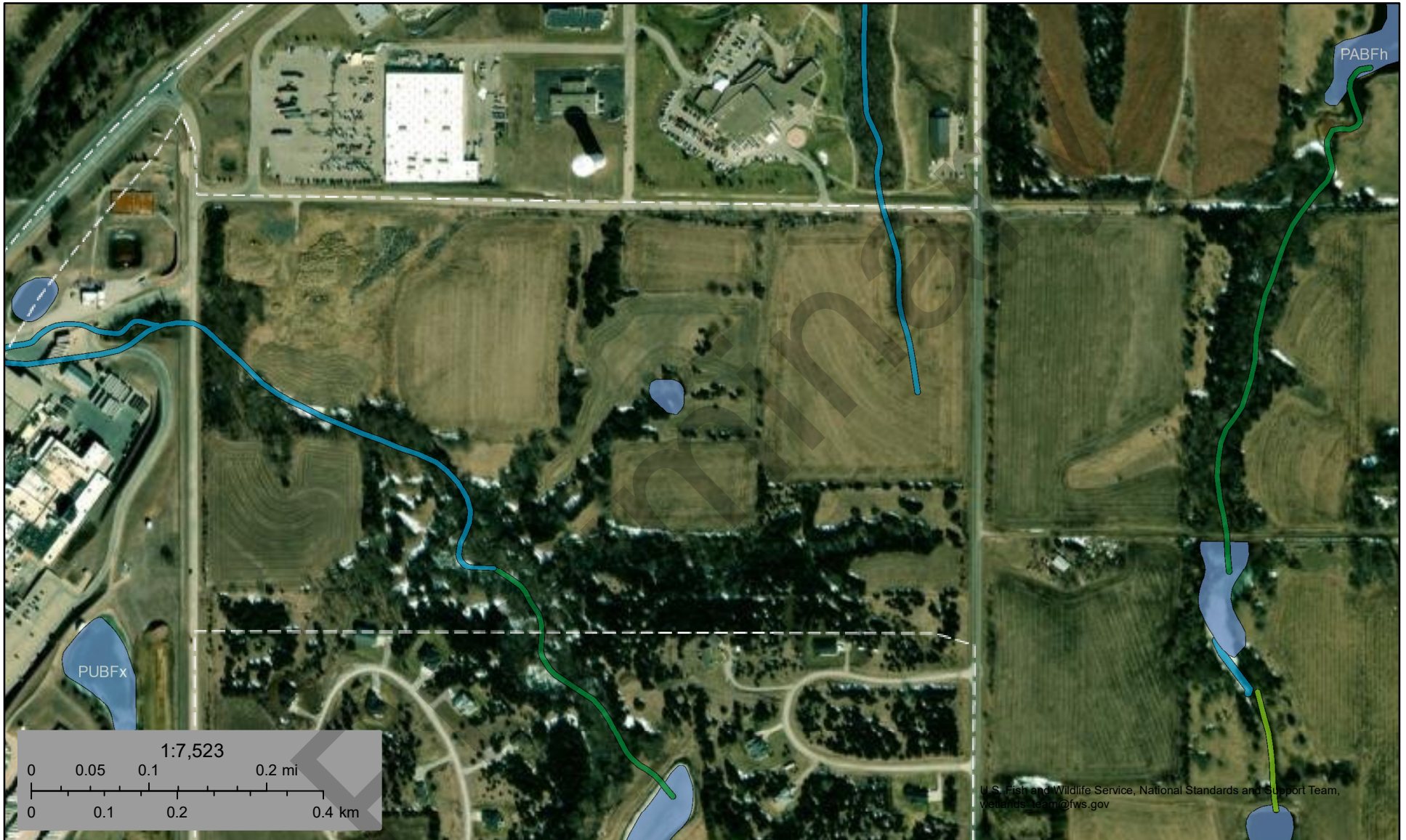
Crest Length: 30.00 ft

Crest Elevation: 1400.00 ft

Roadway Surface: Paved








Roadway Top Width: 30.00 ft

**APPENDIX H:
NATIONAL WETLAND VIEWER MAP**



August 15, 2024

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
|  | Freshwater Pond |  | Riverine |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

DITTMER COMMERCIAL

LEGAL DESCRIPTION OF PRELIMINARY PLAT

A TRACT OF LAND BEING A PART OF OUTLOT 'A', DITTMER ESTATES ADDITION LOCATED IN THE NE1/4 OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 4 EAST OF THE 6TH P.M., CITY OF CRETE, SALINE COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTH 1/4 CORNER OF SAID SECTION 26; THENCE N88°23'54"E (AN ASSUMED BEARING) ALONG THE NORTHERLY LINE OF SAID NE1/4 OF SECTION 26, A DISTANCE OF 673.29 FEET; THENCE S01°36'06"E, A DISTANCE OF 274.48 FEET; THENCE S30°18'46"W, A DISTANCE OF 210.72 FEET; THENCE S02°03'06"E, A DISTANCE OF 212.25 FEET; THENCE S87°56'54"W, A DISTANCE OF 558.32 FEET TO A POINT ON THE WESTERLY LINE OF SAID NE1/4 OF SECTION 26; THENCE N02°03'06"W ALONG THE WESTERLY LINE OF SAID NE1/4 OF SECTION 26, A DISTANCE OF 670.00 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS AN AREA OF 414,194.39 SQUARE FEET OR 9.51 ACRES, MORE OR LESS.

DITTMER COMMERCIAL ADDITION

FINAL PLAT



DEDICATION

KNOW ALL PERSONS BY THESE PRESENTS: THAT WE, DITTMER & DITTMER, LLC, OWNERS OF THE LAND DESCRIBED WITHIN THE SURVEYOR'S CERTIFICATE AND EMBRACED WITHIN THIS PLAT HAVE CAUSED SAID LAND TO BE SUBDIVIDED INTO LOTS AND STREET, TO BE NUMBERED AND NAMED AS SHOWN. SAID SUBDIVISION TO BE HEREAFTER KNOWN AS DITTMER COMMERCIAL ADDITION, AND WE DO HEREBY DEDICATE TO THE PUBLIC, FOR USE, THE STREETS AS SHOWN ON THE FINAL PLAT. WE DO FURTHER DEDICATE THE EASEMENTS SHOWN THEREON FOR THE LOCATION, CONSTRUCTION, RECONSTRUCTION, REPLACEMENT, REPAIR, OPERATION, AND MAINTENANCE OF PUBLIC SERVICE UTILITIES, OVER, UPON OR UNDER THE EASEMENTS AS SHOWN ON THE FOREGOING PLAT. THE CONSTRUCTION OR LOCATION OF ANY BUILDINGS OR TREES SHALL BE PROHIBITED IN SAID EASEMENTS, BUT THE SAME MAY BE USED FOR GARDENS, SHRUBS, LANDSCAPING, AND OTHER PURPOSES THAT DO NOT THEN OR LATER INTERFERE WITH THE AFORESAID USES OR RIGHT HEREIN GRANTED.

THE RIGHT OF WAY SHOWN HEREON IS HEREBY DEDICATED TO THE PUBLIC.

THE PUBLIC ACCESS EASEMENT SHOWN THEREON SHALL BE USED FOR PUBLIC ACCESS AND THE PUBLIC IS HEREBY GRANTED THE RIGHT OF SUCH USE.

THE COMMON ACCESS EASEMENT SHOWN HEREON IS FOR THE BENEFIT OF THE OWNERS OF LOT 1 AND OUTLOT B AND THEY ARE HEREBY GRANTED THE RIGHT OF SUCH USE.

THE CONSTRUCTION OR LOCATION OF ANY BUILDING OR STRUCTURE, EXCLUDING FENCES, OVER, UPON, OR UNDER ANY EASEMENT SHOWN THEREON SHALL BE PROHIBITED.

CITY OF CRETE, NEBRASKA, ITS SUCCESSORS, ASSIGNS, AND PERMITTEES ARE HEREBY HELD HARMLESS FOR THE COST OF REPLACEMENT OR DAMAGE TO ANY IMPROVEMENT OR VEGETATION OVER, UPON, OR UNDER ANY EASEMENT SHOWN THEREON.

WITNESS OUR HAND THIS _____ DAY OF _____, 2024

DITTMER & DITTMER, LLC, A NEBRASKA LIMITED LIABILITY COMPANY
RON DITTMER, MANAGING MEMBER

ACKNOWLEDGEMENT OF NOTARY

STATE OF NEBRASKA)
COUNTY OF _____) SS

ON THIS _____ DAY OF _____, BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC,

PERSONALLY CAME RON DITTMER, MANAGING MEMBER OF DITTMER & DITTMER, LLC, PERSONALLY KNOWN TO BE THE IDENTICAL PERSON WHOSE NAME IS AFFIXED TO THE DEDICATION OF THE FOREGOING PLAT AND HE ACKNOWLEDGED THE SAME TO BE HIS VOLUNTARY ACT AND DEED AND THE VOLUNTARY ACT AND DEED OF SAID COMPANY.

NOTARY PUBLIC

MY COMMISSION EXPIRES THE _____ DAY OF _____, _____

LEGEND

- SET CORNER 5/8"x24" CAPPED REBAR (LS 502)
- MONUMENTS FOUND (AS SHOWN)
- SECTION CORNER
- MEASURED DISTANCE
- R.O.W.
- SECTION LINE
- BOUNDARY LINE
- RIGHT OF WAY LINE
- LOT LINE
- EASEMENTS
- CENTER LINE

TOTAL LOTS = 1
TOTAL OUTLOTS = 2
TOTAL ACRES = 9.51

CURVE TABLE

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH	TANGENT	DELTA
1	175.00'	69.17'	S72°01'06"E	68.72'	35.04'	022°38'51"
2	225.00'	121.37'	N76°08'53"W	119.91'	62.20'	030°54'25"
3	200.00'	107.89'	N76°08'53"W	106.58'	55.29'	030°54'25"
4	200.00'	107.89'	S76°08'53"E	106.58'	55.29'	030°54'25"

SURVEYOR'S CERTIFICATE

I, THOMAS B. CATLETT, A REGISTERED LAND SURVEYOR IN THE STATE OF NEBRASKA, DO CERTIFY THAT I HAVE ACCURATELY SURVEYED THE FOLLOWING SUBDIVISION AND THAT THE SURVEY WAS DONE IN ACCORDANCE WITH THE MOST RECENT MINIMUM STANDARDS FOR PROPERTY SURVEYS, AND THAT PERMANENT MONUMENTS HAVE BEEN FOUND OR PLACED AT EACH OF THE FINAL PLAT CORNERS, AS SHOWN ON THE FINAL PLAT.

A TRACT OF LAND BEING A PART OF OUTLOT 'A', DITTMER ESTATES ADDITION LOCATED IN THE NE1/4 OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 4 EAST OF THE 6TH P.M., CITY OF CRETE, SALINE COUNTY, NEBRASKA AND MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS, BEING HEREBY KNOWN AS DITTMER COMMERCIAL ADDITION:

BEGINNING AT THE NORTH 1/4 CORNER OF SAID SECTION 26; THENCE N88°23'54"E (AN ASSUMED BEARING) ALONG THE NORTHERLY LINE OF SAID NE1/4 OF SECTION 26, A DISTANCE OF 673.29 FEET; THENCE S01°36'06"E, A DISTANCE OF 274.48 FEET; THENCE S30°18'46"W, A DISTANCE OF 210.72 FEET; THENCE S02°03'06"E, A DISTANCE OF 212.25 FEET; THENCE S87°56'54"W, A DISTANCE OF 558.32 FEET TO A POINT ON THE WESTERLY LINE OF SAID NE1/4 OF SECTION 26; THENCE N02°03'06"W ALONG THE WESTERLY LINE OF SAID NE1/4 OF SECTION 26, A DISTANCE OF 670.00 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS AN AREA OF 414,194.39 SQUARE FEET OR 9.51 ACRES, MORE OR LESS.

ALL DIMENSIONS ARE CHORD MEASUREMENTS UNLESS SHOWN OTHERWISE, AND ARE IN FEET OR DECIMALS OF A FOOT.

SIGNED THIS _____ DAY OF _____, 20____.

THOMAS B. CATLETT
CATLETT SURVEYING
13650 S. 150TH COURT
BENNETT, NE 68317

LS#502

APPROVAL OF CRETE PLANNING COMMISSION

THIS PLAT OF DITTMER COMMERCIAL WAS APPROVED BY THE CRETE PLANNING COMMISSION ON THIS

____ DAY OF _____, 2024

ATTEST: _____
DAVE JURENA, COMMISSION CHAIR

APPROVAL OF CRETE CITY COUNCIL

THIS PLAT OF DITTMER COMMERCIAL WAS APPROVED BY THE CRETE CITY COUNCIL ON THIS

____ DAY OF _____, 2024.

ATTEST: _____
DAVE BAUER, MAYOR

E & A CONSULTING GROUP, INC.
Engineering • Planning • Environmental & Field Services

2077 N Street, Suite 400 Lincoln, NE 68510-1088
Phone: 402-420-7217
www.eaeg.com
State of NE Certificate of Authorization #CA0008



DITTMER COMMERCIAL
ADDITION
FINAL PLAT
CRETE, NEBRASKA

FINAL PLAT

Proj No.	Date	Description
2022.289.001	08/15/2024	MLK
		MLK
		1" = 50'
		1 of 1

DITTMER COMMERCIAL

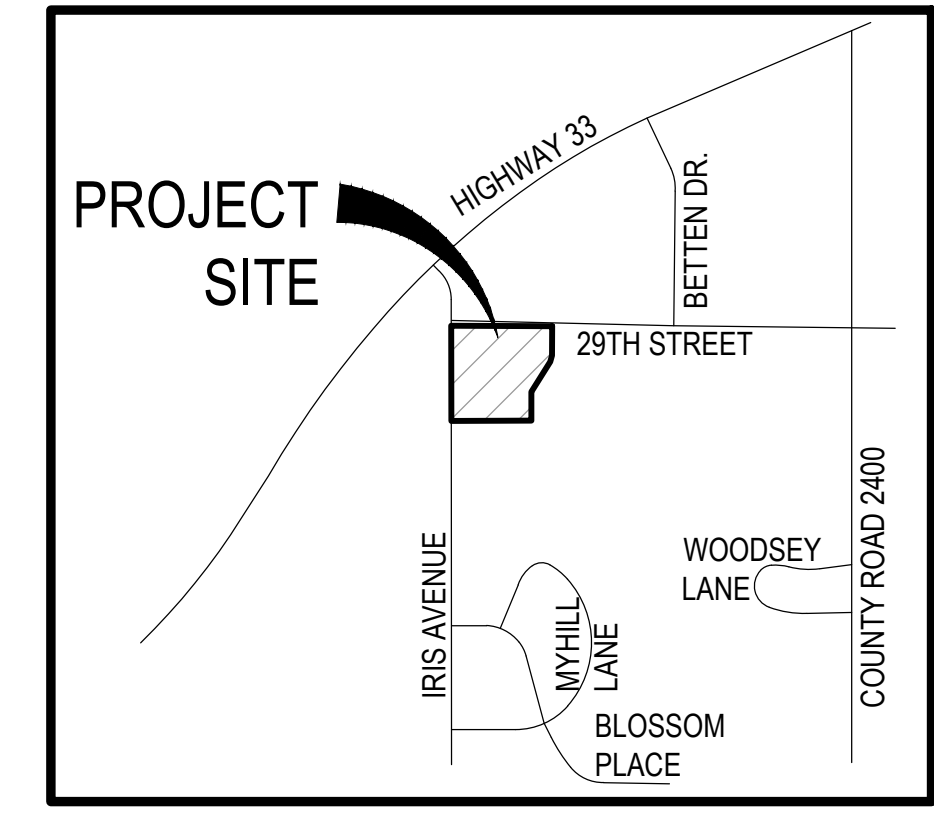
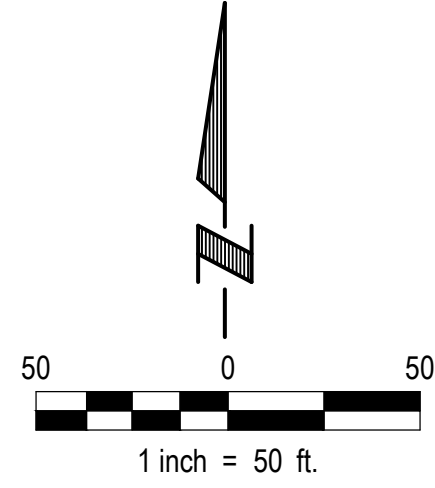
PRELIMINARY PLAT

CRETE, NEBRASKA

VARIANCES

- PRIVATE ROADWAYS WITHIN DEVELOPMENT. (Article 3 Subdivision Regulations, 11-307, (12))
- CROSS PARKING TO MEET REQUIRED PARKING REQUIREMENTS WITHIN LOTS 2, 3, 4, 5, 6 & 7. (Article 5 Supplementary Regulations, 11-508, (2)(C)).
- SIDEWALK ON THE EAST SIDE OF IRIS AVENUE TO BE INSTALLED WHEN STREET IS IMPROVED TO CITY DESIGN STANDARDS. (Article 5 Supplementary Regulations, 11-524, (2)(b)).
- SIDEWALK TO BE LOCATED ON THE NORTH SIDE OF BIG MAC DRIVE ONLY. (Article 5 Supplementary Regulations, 11-524, (2)(b)).

CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH	TANGENT	DELTA
1	175.00'	69.17'	S72°01'06"E	68.72'	35.04'	022°38'51"
2	225.00'	121.37'	N76°08'53"W	119.91'	62.20'	030°54'25"
3	200.00'	107.89'	N76°08'53"W	106.58'	55.29'	030°54'25"
4	200.00'	107.89'	S76°08'53"E	106.58'	55.29'	030°54'25"
5	100.00'	55.70'	N75°38'40"W	54.98'	28.59'	031°54'52"
6	100.00'	55.70'	N14°21'20"E	54.98'	28.59'	031°54'52"



OWNER/DEVELOPER:
DITTMER & DITTMER, L.L.C.
RON DITTMER, MANAGING MEMBER
P.O. BOX 283
1600 W 12TH
CRETE, NE 68333
402-641-7740

ENGINEER:
E & A CONSULTING GROUP, INC.
RICHARD ONNEN
701 O STREET, SUITE 400
LINCOLN, NE 68508
402-420-7217

SURVEYOR:
CATLETT SURVEYING
THOMAS CATLETT
13650 S. 150TH COURT
BENNET, NE 68317
402-217-5816

LEGAL DESCRIPTION OF PRELIMINARY PLAT

A TRACT OF LAND BEING A PART OF OUTLOT 'A', DITTMER ESTATES ADDITION LOCATED IN THE NE 1/4 OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 4 EAST OF THE 6TH P.M., CITY OF CRETE, SALINE COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTH 1/4 CORNER OF SAID SECTION 26; THENCE N88°23'54"E (AN ASSUMED BEARING) ALONG THE NORTHERLY LINE OF SAID NE 1/4 OF SECTION 26, A DISTANCE OF 673.29 FEET; THENCE S01°36'06"E, A DISTANCE OF 274.48 FEET; THENCE S30°18'46"W, A DISTANCE OF 210.72 FEET; THENCE S02°03'06"E, A DISTANCE OF 212.25 FEET; THENCE S87°56'54"W, A DISTANCE OF 558.32 FEET TO A POINT ON THE WESTERLY LINE OF SAID NE 1/4 OF SECTION 26; THENCE N02°03'06"W ALONG THE WESTERLY LINE OF SAID NE 1/4 OF SECTION 26, A DISTANCE OF 670.00 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS AN AREA OF 414,194.39 SQUARE FEET OR 9.51 ACRES, MORE OR LESS.

LAND SURVEYOR'S CERTIFICATE

I, THOMAS B. CATLETT, NEBRASKA REGISTERED LAND SURVEYOR NO. 502, DULY REGISTERED UNDER THE LAND SURVEYOR'S REGULATION ACT, DO HEREBY STATE THAT I HAVE PERFORMED A SURVEY OF THE LAND DEPICTED ON THE ACCOMPANYING PLAT; THAT SAID PLAT IS A TRUE DELINEATION OF SAID SURVEY PERFORMED PERSONALLY OR UNDER MY DIRECT SUPERVISION; THAT SAID SURVEY WAS MADE WITH REFERENCE TO KNOWN AND RECORDED MONUMENTS, MARKED AS SHOWN, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF IS TRUE, CORRECT, AND IN ACCORDANCE WITH THE MINIMUM STANDARDS FOR SURVEYS IN NEBRASKA IN EFFECT AT THE TIME OF THIS SURVEY.

THOMAS B. CATLETT
NEBRASKA R.L.S. NO. 502

DATE _____

GENERAL NOTES

- THIS PRELIMINARY PLAT CONTAINS 9.22 ACRES.
- THIS PRELIMINARY PLAT INCLUDES 7 COMMERCIAL LOTS AND 1 OUTLOT FOR DETENTION AND OPEN SPACE.
- ZONING IS C-1.
- SETBACKS SHALL MEET THE THE C-1 ZONING REQUIREMENTS.
- RIGHT-OF-WAY ADJACENT TO 29TH STREET AND IRIS STREET SHALL BE DEDICATED TO THE CITY OF CRETE AT TIME OF FINAL PLAT.
- PRIVATE ROADWAYS SHALL HAVE 50 FOOT WIDE PUBLIC ACCESS AND UTILITY EASEMENTS AS SHOWN. PAVEMENT WIDTH SHALL BE 27 FEET WIDE, BACK TO BACK OF CURB.
- PERPENDICULAR PARKING SHALL BE PERMITTED ALONG PRIVATE ROADWAYS.
- PUBLIC ACCESS SHALL BE GRANTED OVER THE 25 FOOT WIDE DRIVEWAYS AS SHOWN.
- ALL OUTLOTS SHALL BE MAINTAINED BY AN ASSOCIATION OF THE COMMERCIAL PROPERTY OWNERS.
- UTILITY EASEMENTS TO BE PROVIDED AS REQUIRED.
- SANITARY SEWER TO BE 8" PIPE TO THE EXISTING MANHOLE LOCATED AT IRIS STREET AND HIGHWAY 33.
- WATER TO BE 6" PIPE CONNECTED TO THE EXISTING WATER MAIN LOCATED ON THE NORTH SIDE OF 29TH STREET.
- TOPOGRAPHIC GRADING CONTOURS ARE AT NAVD 1988.
- ALL LOT LINES ARE CONCEPTUAL AND FINAL PLATS MAY SHOW DIFFERENT LOT DIMENSIONS.
- ALL CURVILINEAR DIMENSIONS ARE CHORD LENGTHS.

CITY OF CRETE PLANNING COMMISSION APPROVAL

THIS PRELIMINARY PLAT OF "DITTMER COMMERCIAL" AS DESCRIBED HAS BEEN APPROVED BY THE PLANNING COMMISSION OF THE CITY OF CRETE, SALINE COUNTY, NEBRASKA ON THE _____ DAY OF _____, 2024

ZONING ADMINISTRATOR _____

CITY OF CRETE CITY COUNCIL APPROVAL

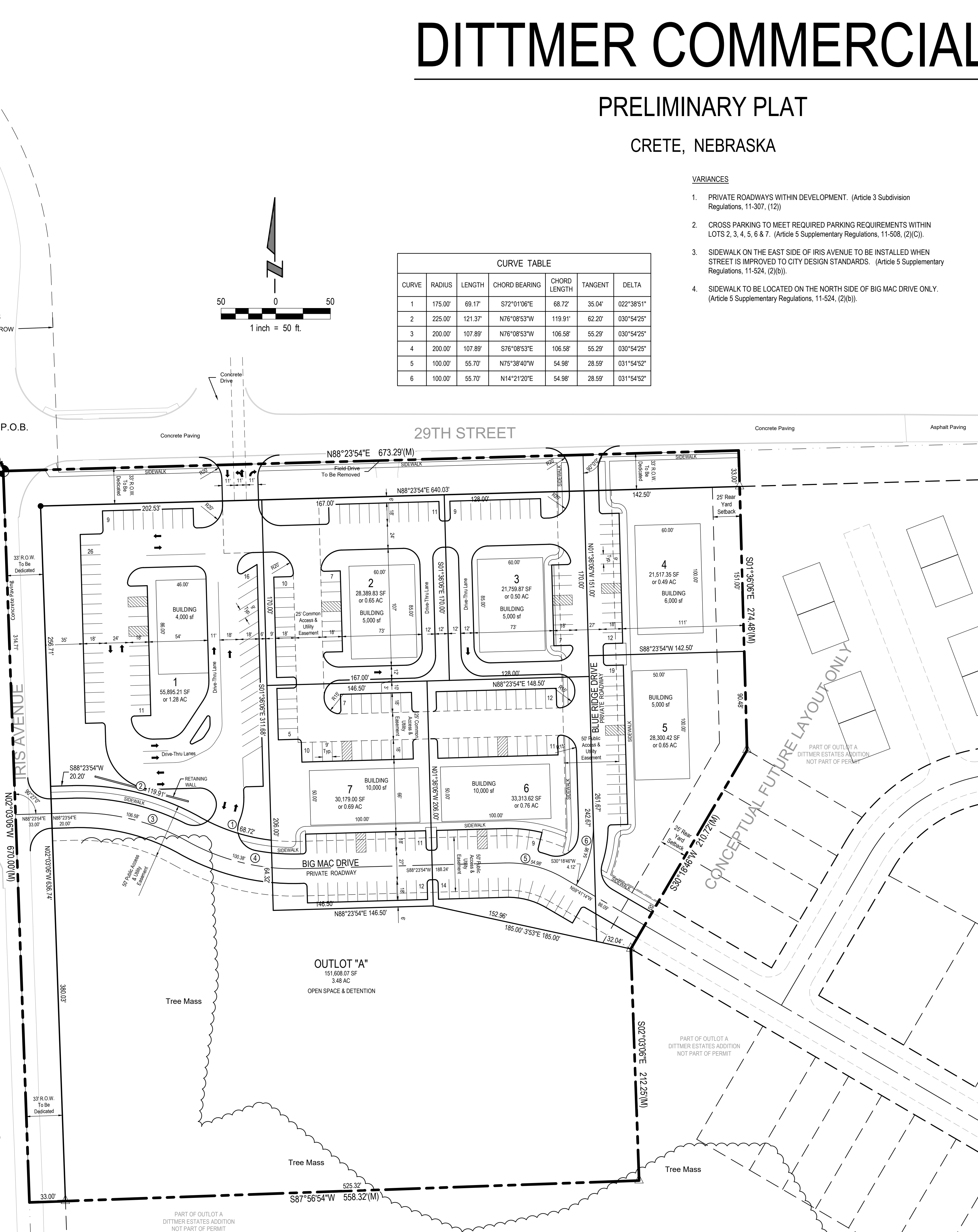
THIS PRELIMINARY PLAT OF "DITTMER COMMERCIAL" AS DESCRIBED HAS BEEN APPROVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRETE, SALINE COUNTY, NEBRASKA ON THE _____ DAY OF _____, 2024

MAYOR _____

ATTEST _____

CITY CLERK _____

LEGEND	
	BOUNDARY LINE
	SECTION LINE
	ADJACENT PROPERTY LINE
	PROPOSED LOT LINE
	CENTERLINE
	RIGHT-OF-WAY LINE
	EASEMENT LINE
	100YR FLOODPLAIN
	TREE MASS
	SECTION CORNER
	PROPERTY CORNER FOUND (AS NOTED)
	PROPERTY CORNER SET (5/8"x24" CAPPED REBAR LS 502)
(R)	RECORD DISTANCE
(M)	MEASURE DISTANCE
	FENCE LINE



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Engineering • Planning • Environmental & Field Services
2077 N Street, Suite 400 Lincoln, NE 68510-1068
Phone: 402-420-7217
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State of NE Certificate of Authorization #C-00008

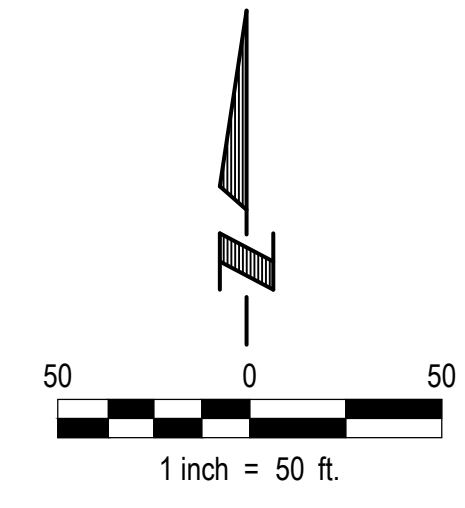
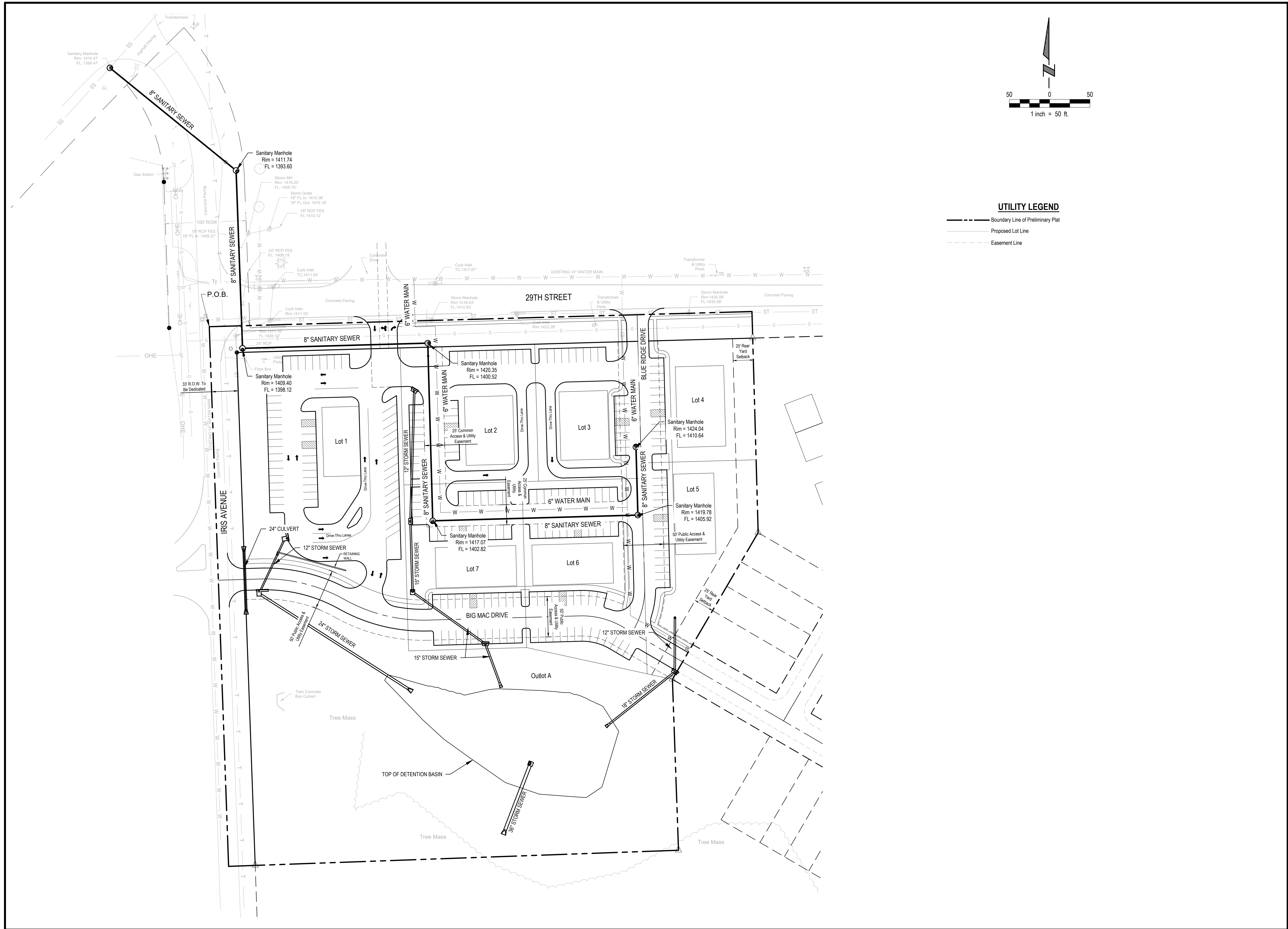


DITTMER COMMERCIAL
PRELIMINARY PLAT
CRETE, NEBRASKA

SITE PLAN

PRELIMINARY
NOT FOR
CONSTRUCTION

Proj No.	Date	Designed By	Drawn By	Scale	Sheet	Revision	Description
2022-288-001	08/15/2024	MLK, JJ	MLK, JJ	AS SHOWN	1 of 4		



UTILITY LEGEND

- Boundary Line of Preliminary Plat
- - - Proposed Lot Line
- - - Easement Line

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DITTMER COMMERCIAL
 PRELIMINARY PLAT
 CRETE, NEBRASKA

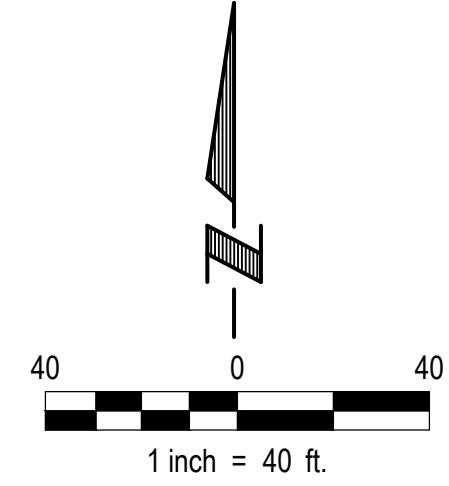
UTILITY PLAN

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

Revision	Description	Date
1		08/15/2024

Proj No: 2022.268.001
 Date: 08/15/2024
 Designed By: MLK, JJ
 Drawn By: MLK, JJ
 Scale: AS SHOWN
 Sheet: 2 of 4

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GRADING & EROSION LEGEND

- Boundary Line of Preliminary Plat
- Proposed Lot Line
- - - Easement
- ▨ Building
- - - 1160 Exist. Major Contours
- - - 1156 Exist. Minor Contours
- - - 1160 Prop. Major Contours
- - - 1153 Prop. Minor Contours
- Flow Direction
- Swale Path

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DITTMER COMMERCIAL
 PRELIMINARY PLAT

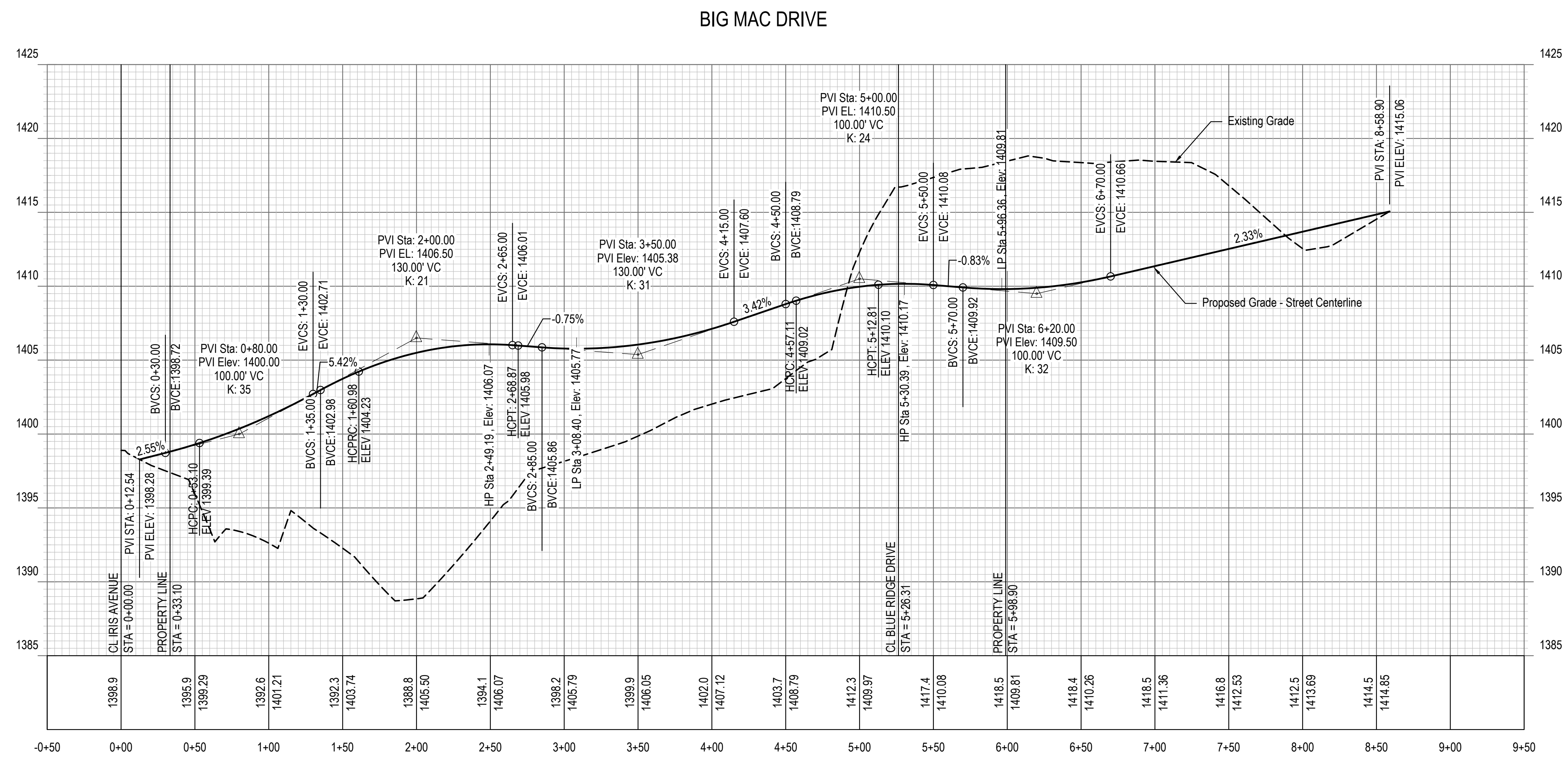
GRADING PLAN

**PRELIMINARY
 NOT FOR
 CONSTRUCTION**

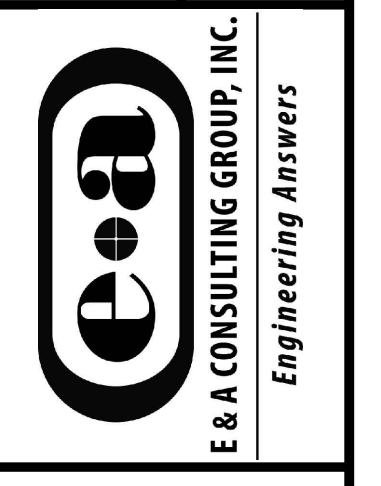
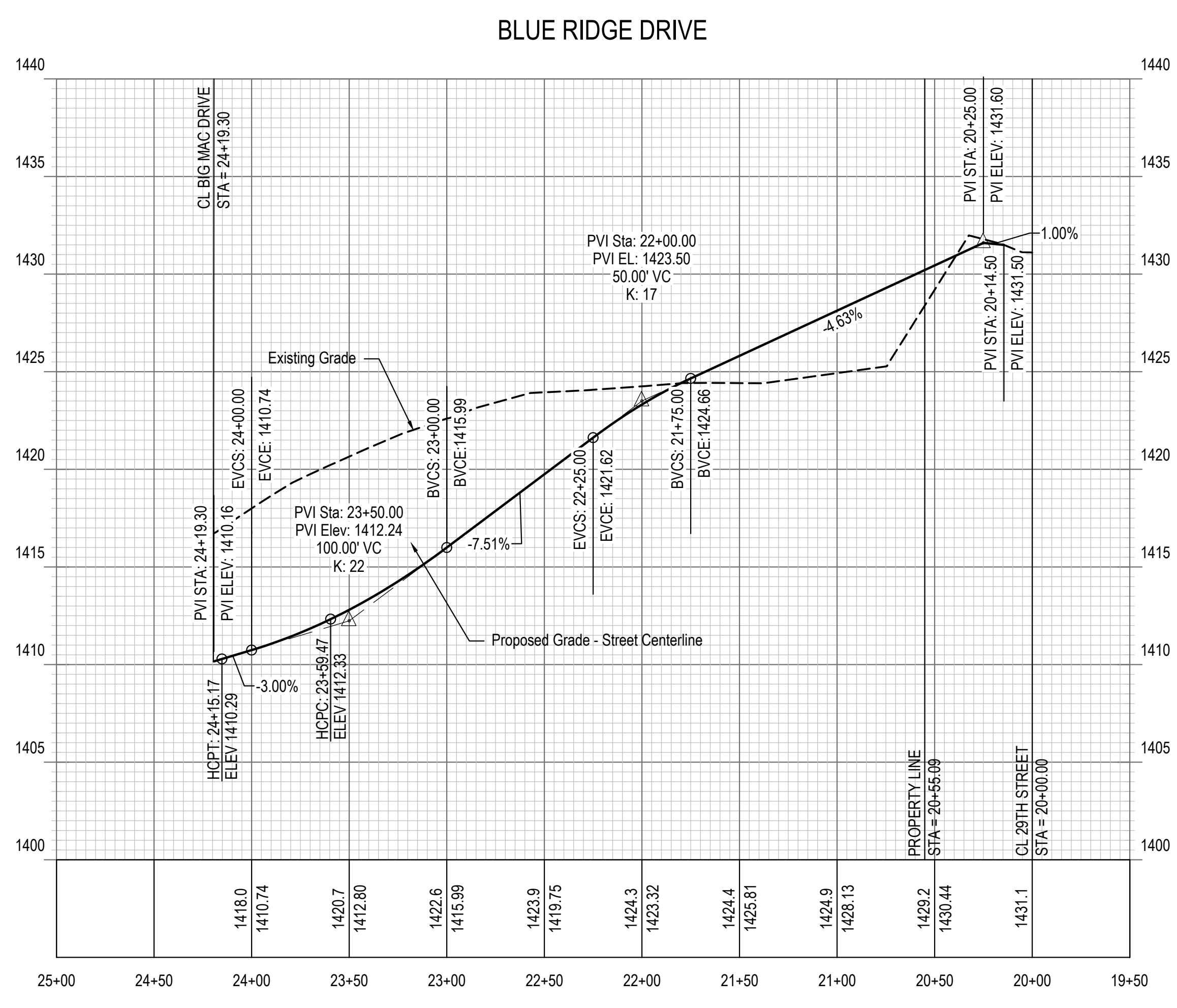
Revision	Description	Date
1		08/15/2024

Proj No: 2022.288.001
 Date: 08/15/2024
 Designed By: MLK, JJ
 Drawn By: MLK, JJ
 Scale: AS SHOWN
 Sheet: 3 of 4

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Scale: Horiz. 1"=50'
Vert. 1"=10'



DITTMER COMMERCIAL
PRELIMINARY PLAT
CRETE, NEBRASKA

PROFILE SHEET

**PRELIMINARY
NOT FOR
CONSTRUCTION**

Revision	Description
1	

Proj No: 2022.268.001	Date: 08/15/2024	Designed By: MLK, JJ	Drawn By: MLK, JJ	Scale: AS SHOWN
Sheet: 4 of 4				

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PRELIMINARY DRAINAGE REPORT

FOR

DITTMER COMMERCIAL

**Iris Ave. & 29th St.
Crete, Nebraska**

Prepared By:



E & A CONSULTING GROUP, INC.

Engineering Answers

E & A Consulting Group, Inc.
2077 N Street, Suite 400
Lincoln, NE 68510
Ph. 402-895-4700

State of Nebraska Certificate of Authorization # CA0008

E & A Project Number: P2022.289.001

August 15, 2024

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1. Executive Summary

Dittmer Commercial is a new commercial development encompassing approximately 9 acres within the City of Crete municipal limits. The approximate location is 29th Street and Iris Avenue (reference Appendix A - Site Vicinity Map). The preliminary plat, construction drawings and final plat were submitted to the City of Crete for review and approval.

The preliminary and final plat include a portion of the overall property. At this time, only the commercial development is moving forward.

Sanitary service for the commercial portion of the development is proposed to gravity sewer to the northwest. The City of Crete has expressed limiting development on this branch main to ensure that adequate capacity is maintained in the sanitary sewer trunk for future growth along Highway 33. The remainder of the property will be sewerred by a sanitary sewer lift station to be installed by the City of Crete in conjunction with future platting.

This site is adjacent to a tributary of Walnut Creek. According to the FEMA Flood Insurance Rate Maps, Panel 31109C0390F, there is no floodplain within the developing property. A wetland delineation was not completed but from aerial imagery the tributary is likely under the jurisdiction of the U.S. Army Corps of Engineers. Development improvements are proposed immediately adjacent to the channel; so, wetland disturbance is not anticipated as part of this development.

The commercial development will be graded to drain to the south into a proposed extended dry detention basin. The pond will utilize a multi-stage outlet structure to attenuate the post-development runoff rates to below the pre-development flow rates. The proposed pond design also accounts for managing runoff from 10 acres adjacent to the commercial development which is programmed for future residential development. Pond design has been sized with the future buildout taken into account. The City of Crete has no post-development water quality standards at this time.

This report presents a hydrology study of existing conditions and the proposed development with incorporated Best Management Practices (BMPs) for storm water management.

2. Pre-Developed Site

2.1.1 Existing Usage of Land

The existing site consists of mostly grass and woods along the unnamed stream.

2.1.2 Wetlands and Preservation of Natural Areas

The Supreme Court decision in Sackett v. EPA (2023) changed the U.S. Army Corps of Engineers jurisdiction. However, it is likely that the channel and adjacent banks are jurisdictional based on aerial imagery.

Construction activity is not planned within potential jurisdictional areas. If conflict is unavoidable, proper permitting will be obtained prior to disturbance. For additional information please reference Appendix H, National Wetland Viewer.

2.1.3 Site Soil Information

Soil classification for stormwater runoff calculations is referenced from the USDA National Cooperative Soil Survey. The user selected site is comprised of the following soils: Burchard Clay Loam, Malmo Silty Clay Loam, Pawnee Clay Loam, and Wymore Silty Clay Loam. The survey also classified the project area's only hydrologic soil Type as Type D. For additional information on soil type please reference Appendix B, Soil Information.

2.1.4 Existing Topography

Existing site topography was provided by Catlett Surveying. Catlett Surveying has been working on this property for many years based on an assumed local coordinate system. This approach limits the ability to correlate field survey with publicly available GIS data for a comprehensive look at the drainage areas. However, field survey data was supplemented with 2022 LiDAR data obtained from United States Geological Survey (USGS) to establish the general drainage boundaries beyond the limits of the Catlett Surveying's data.

2.1.5 Pre-Development Site Hydrology

The majority of the site flows south/southwest and discharges directly to the unnamed stream. A twin 3' x 5' concrete box culvert takes the water across Iris Avenue to the west. Minimal perimeter areas of the site drain to the north onto 29th Street and eventually into the existing storm sewer system. The following assumptions were made in the calculation of pre-development runoff.

Table 1.0 – Referenced NOAA Atlas 14 Rainfall for Crete, Nebraska

24-Hour Design Rainfall	
Storm Event	Rainfall (inches)
2-Year	2.98
10-Year	4.40
100-Year	7.31

Table 2.0 – SCS Curve Numbers for Pre-Development Runoff

SCS Method Curve Numbers (CN)	
Land Classification	CN
	C
Woods & Grass - Good	79
Pavement - Impervious	98

The following table summarizes the calculated pre-development runoff. For a visual representation of areas please reference Appendix C, Pre-Development Drainage Map. For details on calculated flows, reference Appendix F, PCSMP HydroCAD Software Model Report.

Table 3.0 – Pre-Development Runoff per Area Summary

Pre-Development Area (ID)	Area (acres)	CN	Time of Concentration (min)	2-YR Peak Flow (cfs)	10-YR Peak Flow (cfs)	100-YR Peak Flow (cfs)
EX-A	17.791	80	14.1	30.21	58.13	116.97

3. Post Developed Site

3.1.1 Proposed Usage of Land

The proposed usage will be seven commercial lots. The first phase of development includes an approximately 4,000 square foot building with parking and perimeter drive access. The second phase includes five 5,000 square foot buildings and one 6,000 square foot building to the east of the first building. Approximately 8 acres of the total 19 acres is anticipated to be developed.

3.1.2 Post-Development Site Hydrology

The commercial development will consist of buildings, private roadways, and parking lots. A conceptual layout was used for analysis and buildings are assumed to have gable roofs. Table 2.2a from the TR-55 was used to approximate the curve numbers for the proposed post-development conditions.

Basin A includes private and public stormwater runoff collected from the roofs, parking lots, and drives through a series of area and curb inlets. The stormwater runoff is conveyed to the southeast corner of the drive from 29th Street, and in the southwest corner of the parking lots. South of the proposed development is a basin with a swale from the southwest lots and a culvert from the southeast corner feeding into it. The basin then outlets to the unnamed stream.

The following assumptions were made in the pipe sizing calculations. See Appendix F, Preliminary Pipe Sizing Calculations for the sub-basin map and calculations.

Table 4.0 – Summary of Assumptions for Pipe Sizing Calculations

Pipe Sizing Calculations		
Time of Concentration, Minimum (min.)	Storm Event (Yr)	Rainfall Intensity (in/hr)
8	10	6.55
	100	9.96

Table 5.0 – Rational Method C-Values for Post Development Runoff

Rational Method C-Values	
Land Classification	C
Urban District - Industrial	0.80
Unimproved – Flat	0.10
Unimproved Average	0.25
Suburban	0.40

The following tables summarize the calculated Post Development runoff and assumptions made for calculations. For a visual representation of areas please see Appendix D, Post-Development Drainage Map. For details on calculated flows, reference Appendix F, HydroCAD Software Model Report.

Table 6.0 – SCS Curve Numbers for Post Development Runoff

Land Classification	CN
	D
Pavement – Impervious	98
1/8 Acre Lot	92
1/4 Acre Lot	87
>75% Grass Cover - Good	80
Woods & Grass - Good	79

Table 7.0 – Post Development Runoff per Area Summary

Post-Development Area (ID)	Area (acres)	CN	Time of Concentration (min)	2-Year Peak Flow (cfs)	10-Year Peak Flow (cfs)	100-Year Peak Flow (cfs)
A1	14.21	89	10.9	40.12	66.37	118.03
A2	4.96	79	8.0	12.26	21.80	41.08

The following table compares the pre-development and post-development runoff rates.

Table 8.0 – Hydrologic Summary for Pre- & Post-Development Conditions

	Peak Runoff Rate (CFS)		
	2-Year	10-Year	100-Year
Pre-Development*			
EX-A – Generated ^[1S]	30.21	58.13	116.97
Post-Development*			
A1 – Generated ^[1S]	40.12	66.37	118.03
A1 – Attenuated (Pond A1) ^[1P]	18.68	45.56	83.39
A2 – Generated ^[2S]	12.26	21.80	41.08
Impact Point A – Generated ^[1L]	22.48	58.02	112.90

*Sub-basin ID – Flow Method (Desc.) ^[HydroCAD ID]

3.1.3 Culverts

Iris Avenue is a rural section roadway. A proposed private street connection to Iris Avenue will include a culvert pipe to convey ditch drainage under the intersection. Culvert C1 analyzed the headwater during the minor and major events adjacent to Iris Avenue. The contributing area to this culvert has been delineated to include roughly the western half of the Walmart parking lot and 29th Street. For details on calculated flows, reference Appendix G, HY-8 Culvert Analysis.

Table 9.0 – Culvert Summary of Area and Runoff

Culvert	Size	Storm Event	Top of Roadway Elevation (ft.)	Peak Flow (cfs)	HW Elevation (ft.)
C1	24" RCP	10-Year	1400.00	16.30	1398.75
		100-Year		30.70	1400.19

3.1.4 Basin Design

There is one basin designed for the proposed commercial development. Pond A1 will receive the majority of runoff from the commercial development, and a portion of the runoff from the future residential to the east. Full buildout of these units was used when calculating flows and water surface elevations. For more information, reference Appendix F, HydroCAD software model report.

Table 10.0 – Pond Multi Stage Outlet Structures

Pond Multi Stage Outlet Structure Information										
	Outlet Pipe		Low Flow		Weir		Rim		Spillway	
Pond ID	Size (in.)	Elev. (ft)	Size (in.)	Elev. (ft)	Size (in.) W x H	Elev. (ft)	Size (in.)	Elev. (ft)	Length (ft)	Elev. (ft)
A1	36	1386.00	3.0	1386.50	20" x 27"	1390.30	36 x 36	1393.00	14	1394.00

Table 11.0 – Pond Water Surface Elevation (Ft.)

Pond ID	2-Year	10-Year	100-Year	Spillway Elev.	Top of Pond
A1	1391.39	1392.29	1393.48	1394.00	1395.00

4. Post Construction Stormwater Management Plan (PCSMP)

4.1 Jurisdiction and Requirements

The City of Crete has no post-development storm water treatment requirements.

5. References

1. Agriculture, U. S. (n.d.). *Web Soil Survey*. Retrieved from Natural Resources Conservation Service:
<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>
2. County, L. (n.d.). *Lancaster-Lincoln Geographic Information Systems*. Retrieved from: <https://opendata.lincoln.ne.gov/datasets>
3. Division, L. o. (2004 - 2014). *City of Lincoln Flood and Water Quality Protection Manual*. Lincoln, NE: City of Lincoln. Retrieved from <https://lincoln.ne.gov/city/ltu/watershed/dcm/>

6. Appendices

Preliminary

Preliminary

APPENDIX A: SITE VICINITY MAP

Dittmer Commercial Addition Site Map

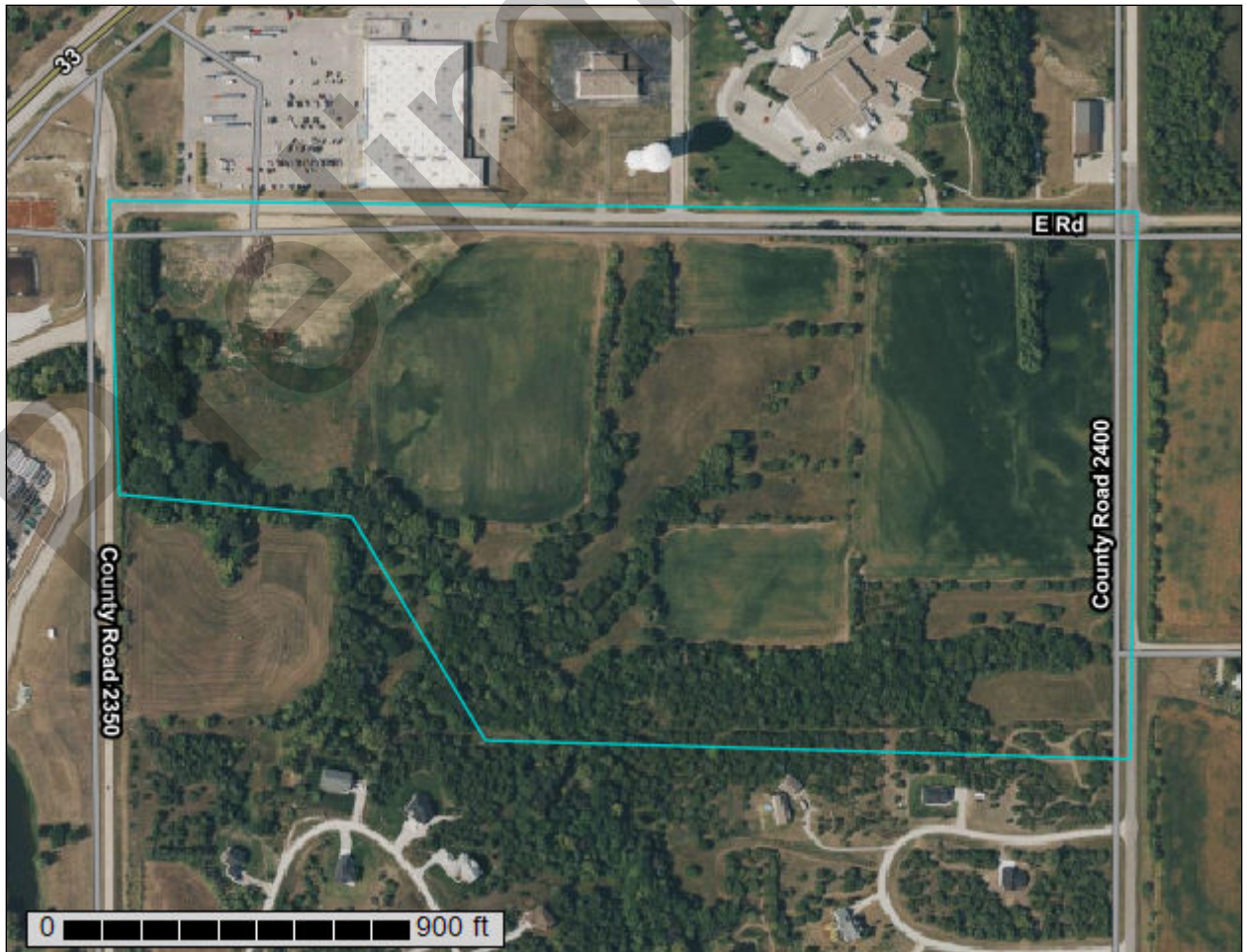
29th Street & Iris Avenue, Crete Nebraska



APPENDIX B: SOIL INFORMATION

Preliminary

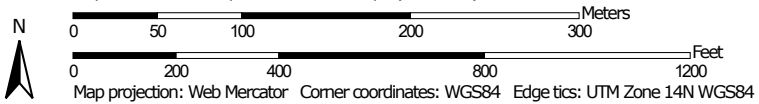
Custom Soil Resource Report for Saline County, Nebraska



Custom Soil Resource Report Soil Map




Map Scale: 1:4,480 if printed on A landscape (11" x 8.5") sheet.




MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot


 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Saline County, Nebraska
 Survey Area Data: Version 23, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 21, 2021—Aug 28, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
7219	Burchard clay loam, 11 to 17 percent slopes, eroded	22.7	30.4%
7228	Burchard clay loam, 6 to 11 percent slopes, eroded	24.8	33.2%
7348	Malmo silty clay loam, 3 to 6 percent slopes, eroded	2.4	3.2%
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	5.6	7.5%
7683	Wymore silty clay loam, 3 to 6 percent slopes	18.2	24.3%
7684	Wymore silty clay loam, 3 to 6 percent slopes, eroded	1.0	1.3%
Totals for Area of Interest		74.7	100.0%

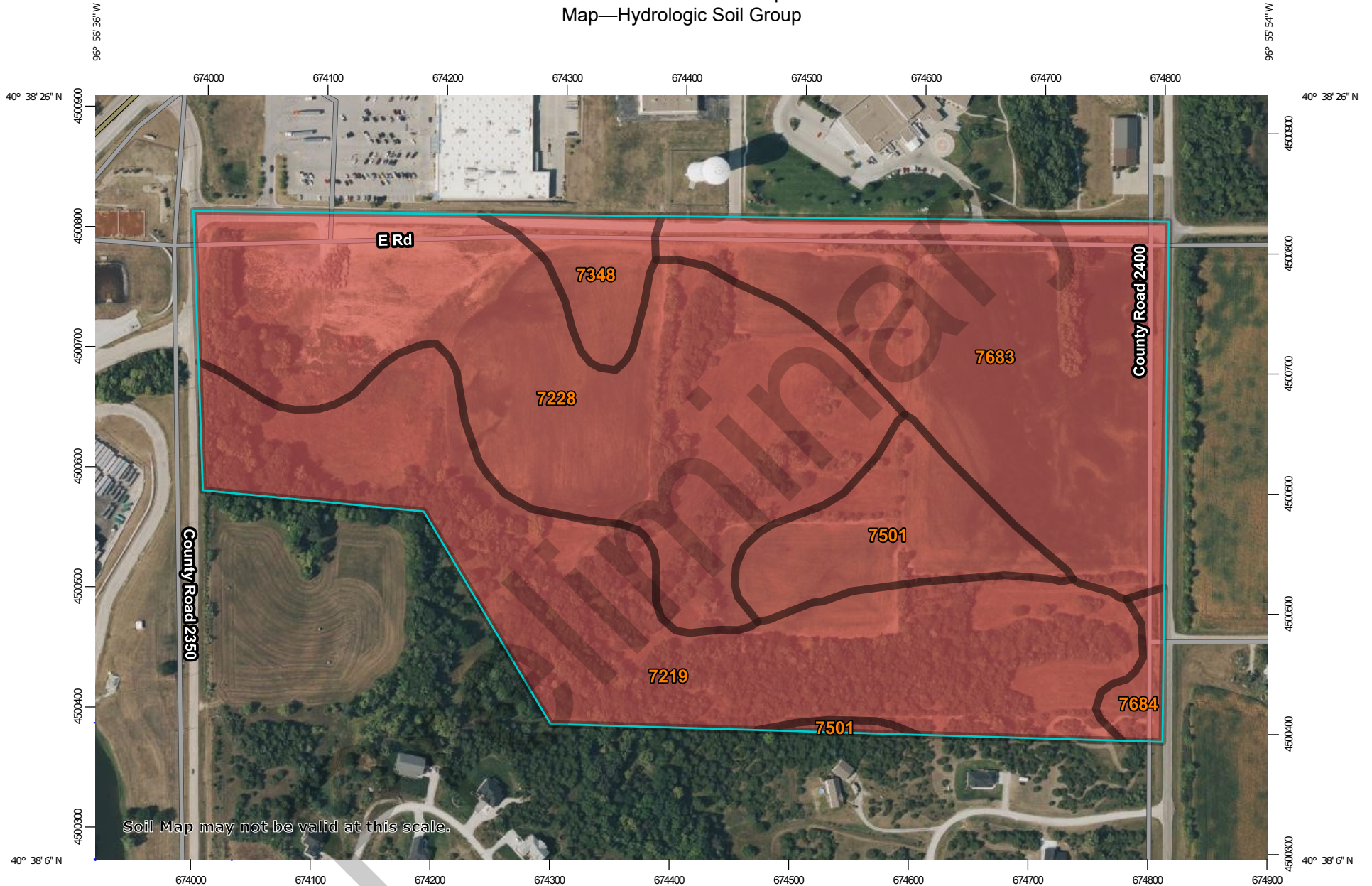
Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

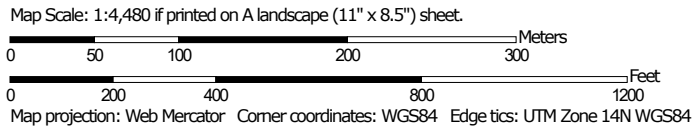
A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it

Custom Soil Resource Report
Map—Hydrologic Soil Group




Soil Map may not be valid at this scale.



MAP LEGEND

Area of Interest (AOI)









 Area of Interest (AOI)

Soils


Soil Rating Polygons





-  A
-  A/D
-  B
-  B/D
-  C
-  C/D
-  D
-  Not rated or not available

Soil Rating Lines


-  A
-  A/D
-  B
-  B/D
-  C
-  C/D
-  D
-  Not rated or not available

Soil Rating Points






-  A
-  A/D
-  B
-  B/D

-  C
-  C/D
-  D
-  Not rated or not available


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Saline County, Nebraska
 Survey Area Data: Version 23, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 21, 2021—Aug 28, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
7219	Burchard clay loam, 11 to 17 percent slopes, eroded	D	22.7	30.4%
7228	Burchard clay loam, 6 to 11 percent slopes, eroded	D	24.8	33.2%
7348	Malmo silty clay loam, 3 to 6 percent slopes, eroded	D	2.4	3.2%
7501	Pawnee clay loam, 4 to 8 percent slopes, eroded	D	5.6	7.5%
7683	Wymore silty clay loam, 3 to 6 percent slopes	D	18.2	24.3%
7684	Wymore silty clay loam, 3 to 6 percent slopes, eroded	D	1.0	1.3%
Totals for Area of Interest			74.7	100.0%

Rating Options—Hydrologic Soil Group

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

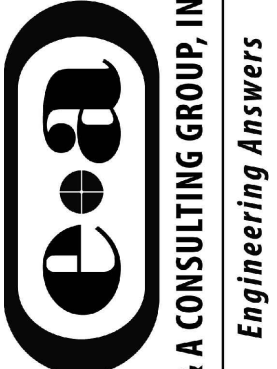
Preliminary

APPENDIX C: PRE-DEVELOPMENT DRAINAGE MAP

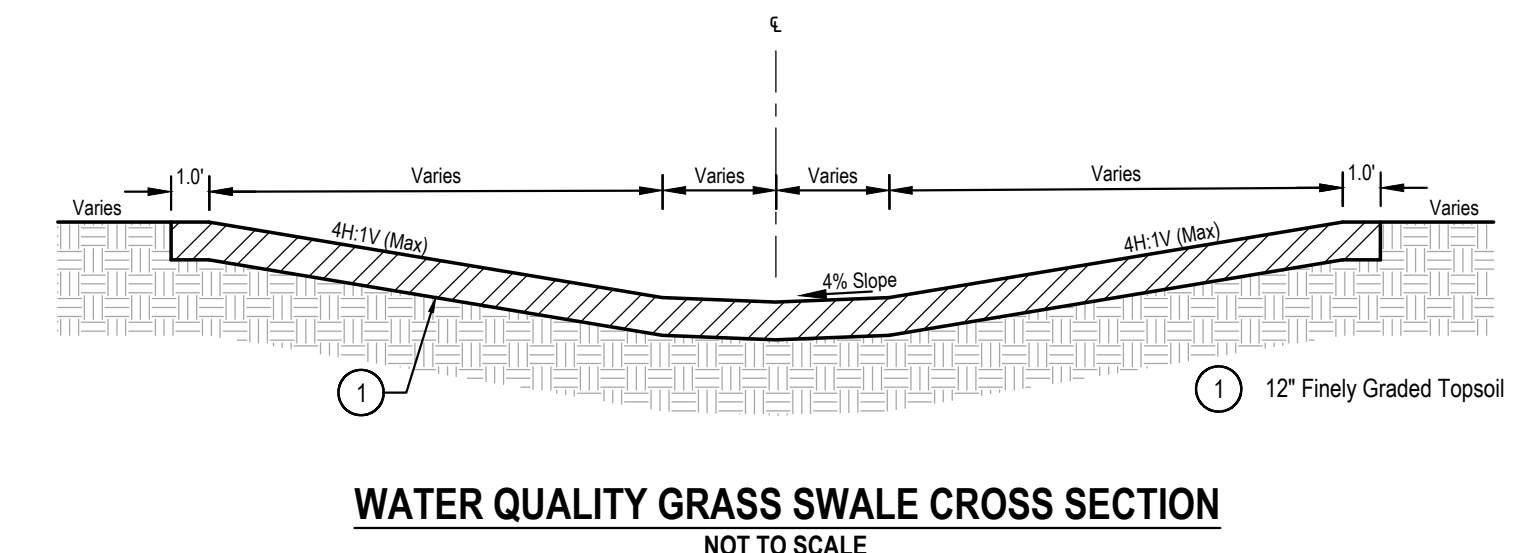
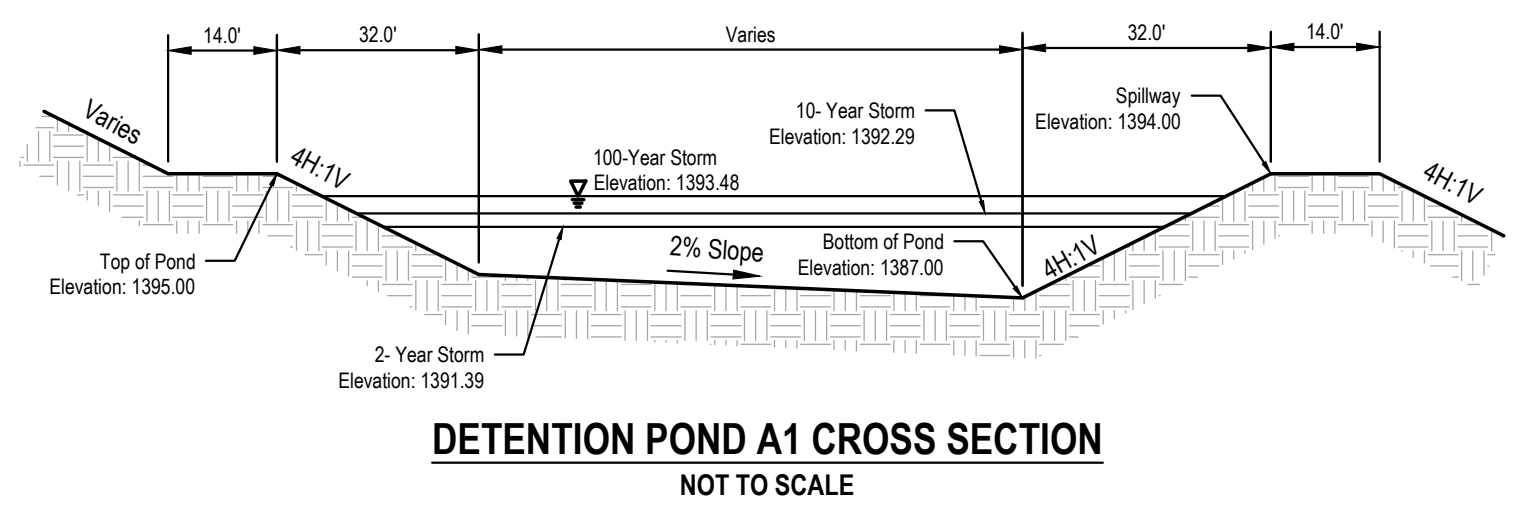
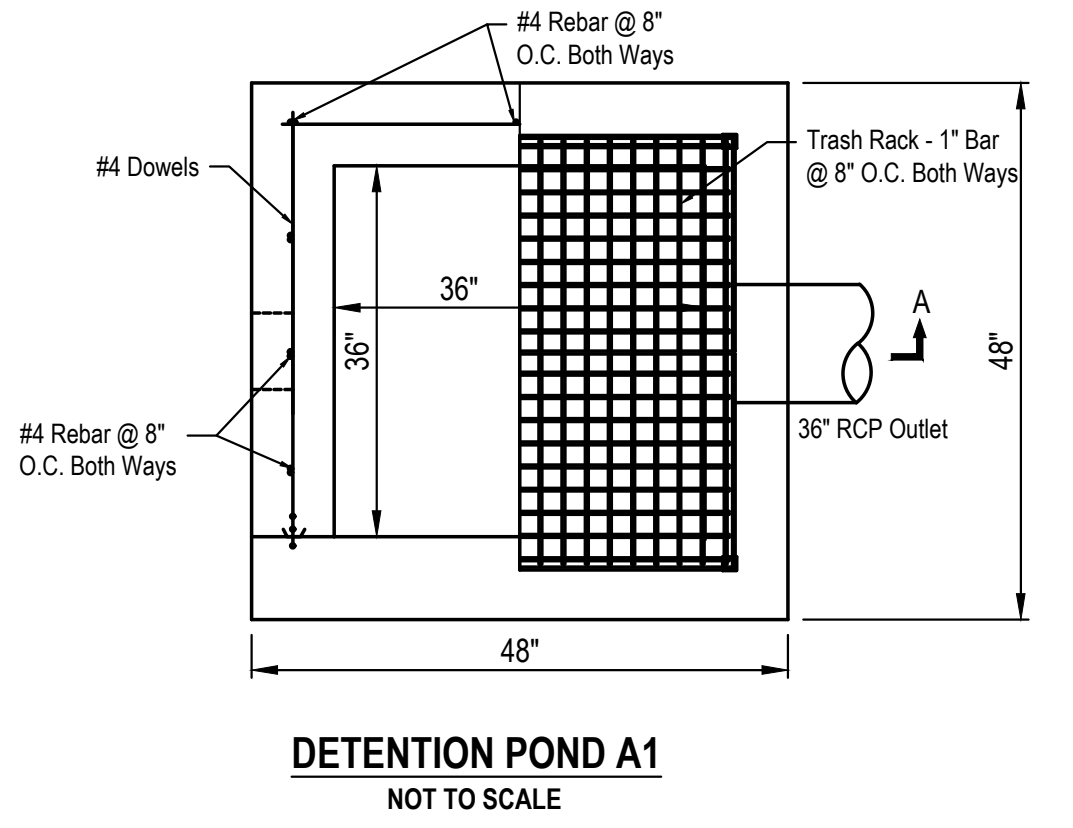
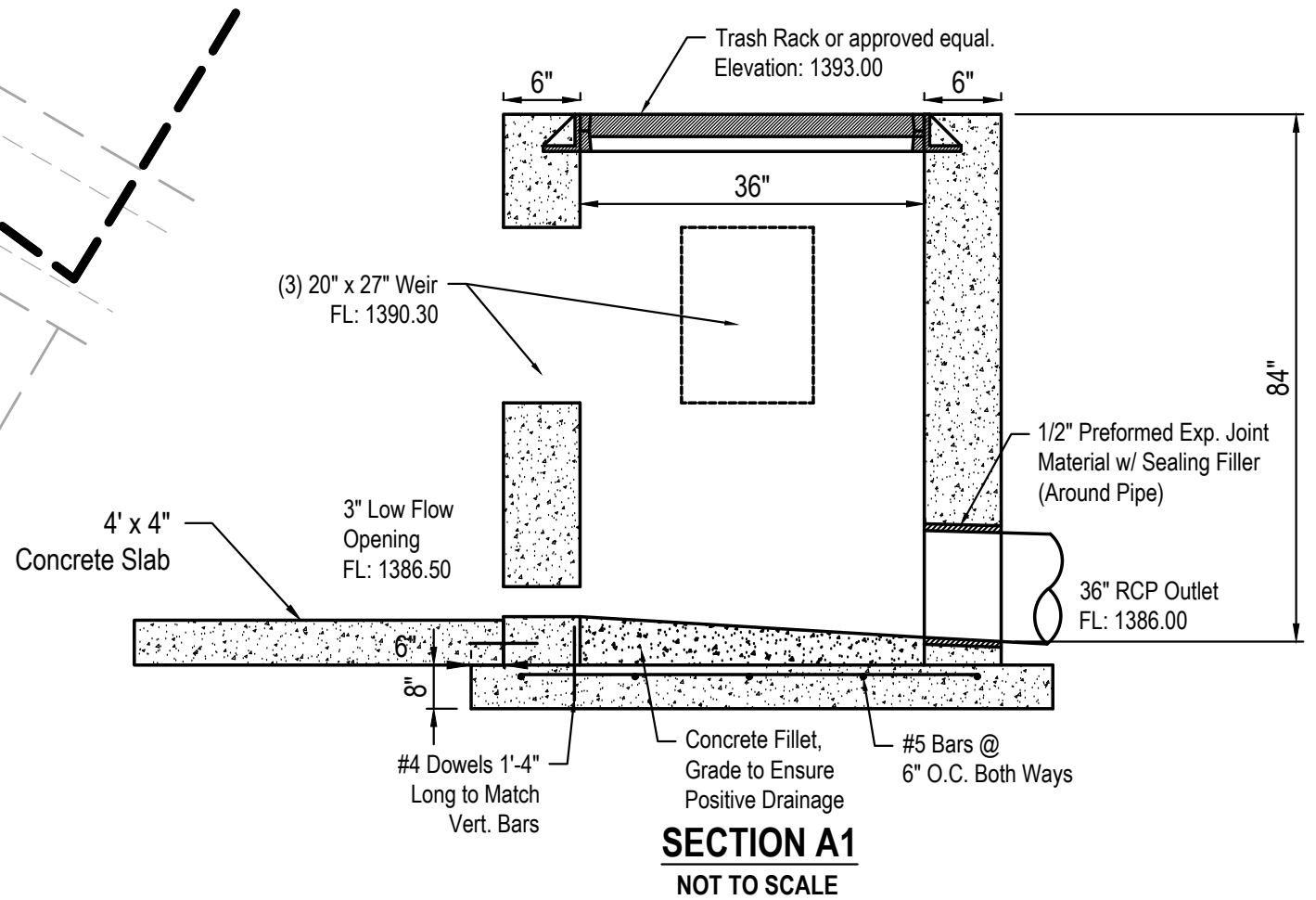
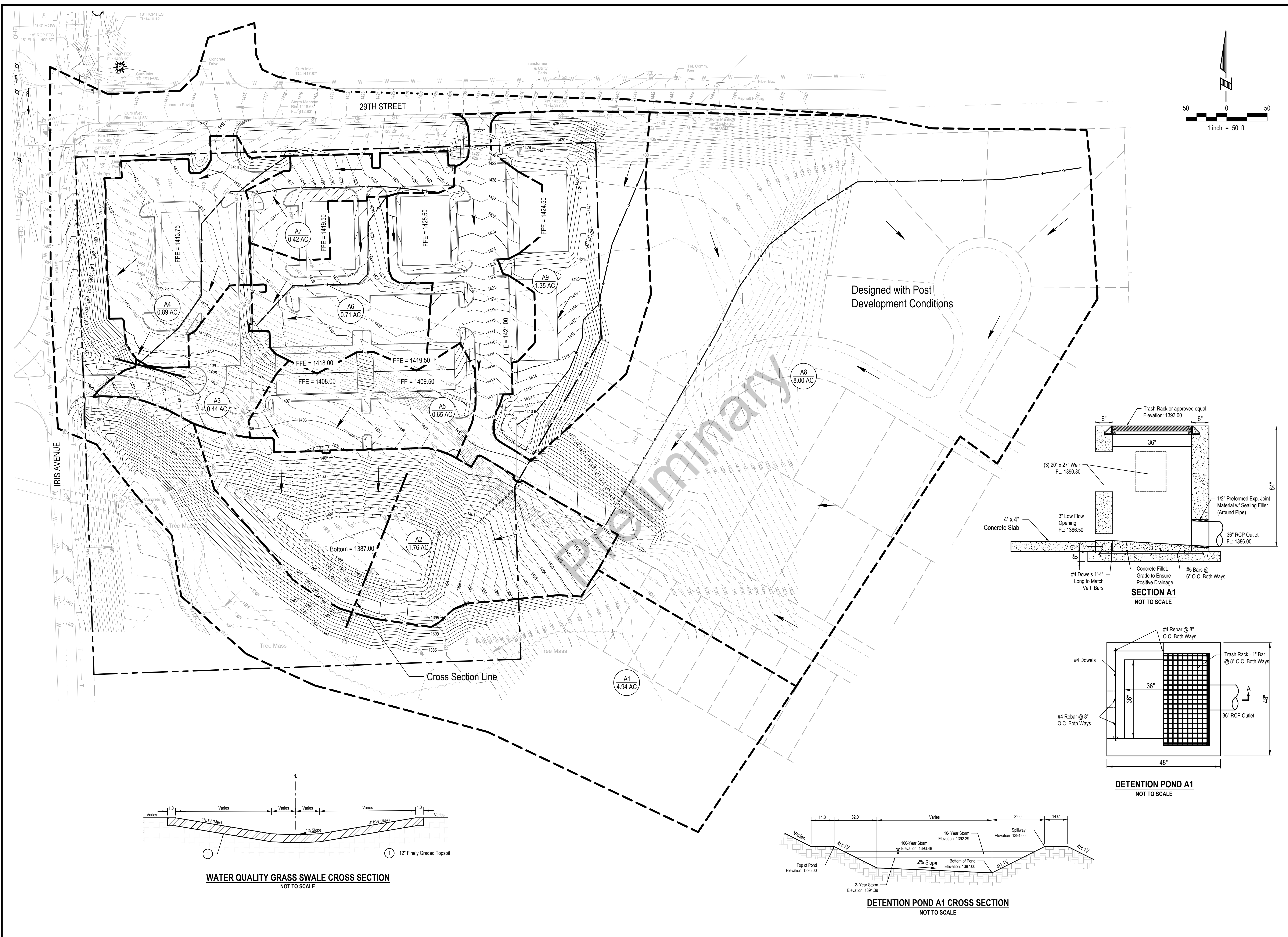


GRADING & EROSION LEGEND

- Property Line
- Adjacent Property Line
- Easement
- ▒ Building
- - - 1160 Exist. Major Contours
- - - 1156 Exist. Minor Contours
- - - 1160 Prop. Major Contours
- - - 1153 Prop. Minor Contours
- Flow Direction

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<p>DITTMER COMMERCIAL ADDITION DRAINAGE REPORT</p>	
<p>CRETE, NEBRASKA</p>	
<p>PRE DRAINAGE SHEET</p>	
<p>Proj No: 2022.268.001 Date: 08/13/2024 Designed By: RFO Drawn By: JLI Scale: AS SHOWN Sheet: 1 of 3</p>	<p>Revision Description Date 1 2 3</p>
<p>8/13/2024 10:55 AM K:\Projects\2022\268\001\Engineering\CAD\Pre Drainage Study\FPE-DPM-000.dwg</p>	

APPENDIX D: POST DEVELOPMENT DRAINAGE MAP



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Engineering Answers

DITTMER COMMERCIAL
ADDITION
DRAINAGE REPORT

CRETE, NEBRASKA

POST DRAINAGE EXHIBIT

PRELIMINARY
NOT FOR
CONSTRUCTION

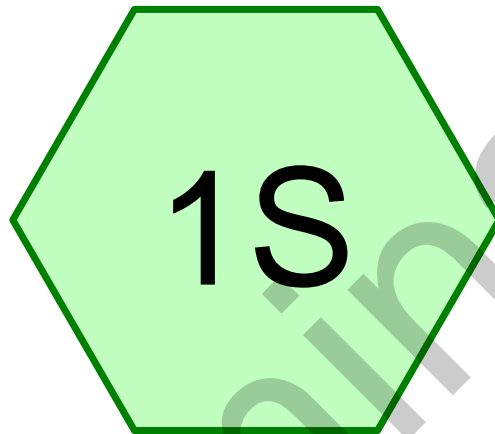
Revision	Description	Date
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Date: 08/13/2024
Designed By: RFO
Drawn By: JLI
Scale: AS SHOWN
Sheet: 2 of 3

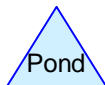
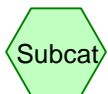
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Preliminary

**APPENDIX E:
HYDROCAD SOFTWARE MODEL REPORT**



EX-A



Project Notes

Rainfall events imported from "Temporary Basins.hcp"

Preliminary

Pre-000

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	Type II 24-hr		Default	24.00	1	3.04	2
2	10-Year	Type II 24-hr		Default	24.00	1	4.48	2
3	100-Year	Type II 24-hr		Default	24.00	1	7.33	2

Preliminary

Pre-000

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
0.957	98	Paved parking, HSG C (1S)
17.014	79	Woods/grass comb., Good, HSG D (1S)
17.971	80	TOTAL AREA

Preliminary

Pre-000

Soil Listing (all nodes)

Area (acres)	Soil Group	Subcatchment Numbers
0.000	HSG A	
0.000	HSG B	
0.957	HSG C	1S
17.014	HSG D	1S
0.000	Other	
17.971		TOTAL AREA

Preliminary

Pre-000

Prepared by E&A Consulting Group

HydroCAD® 10.20-3g s/n 13223 © 2023 HydroCAD Software Solutions LLC

Type II 24-hr 2-Year Rainfall=3.04"

Printed 8/15/2024

Page 6

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: EX-A

Runoff Area=17.971 ac 5.33% Impervious Runoff Depth>1.17"
Flow Length=1,265' Tc=14.1 min CN=80 Runoff=30.21 cfs 1.745 af

Total Runoff Area = 17.971 ac Runoff Volume = 1.745 af Average Runoff Depth = 1.17"
94.67% Pervious = 17.014 ac 5.33% Impervious = 0.957 ac

Preliminary

Pre-000

Summary for Subcatchment 1S: EX-A

Runoff = 30.21 cfs @ 12.07 hrs, Volume= 1.745 af, Depth> 1.17"

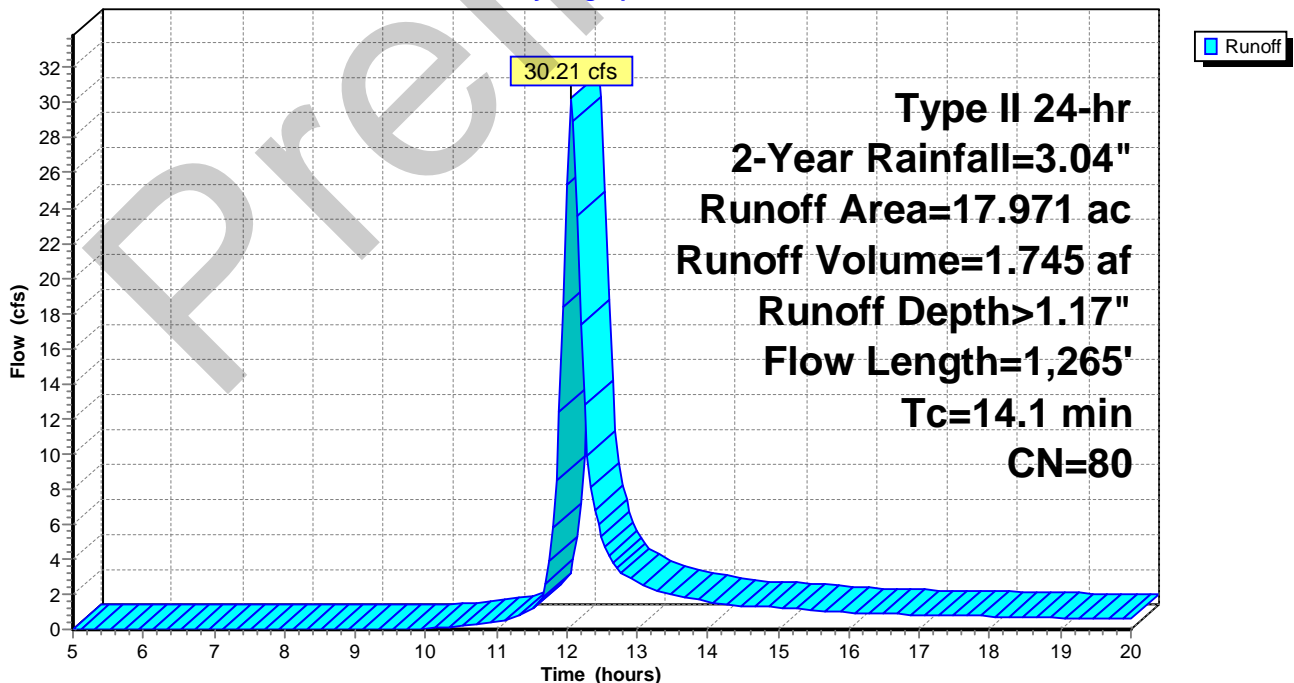
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Type II 24-hr 2-Year Rainfall=3.04"

Area (ac)	CN	Description
17.014	79	Woods/grass comb., Good, HSG D
0.957	98	Paved parking, HSG C
17.971	80	Weighted Average
17.014		94.67% Pervious Area
0.957		5.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	100	0.0257	0.18		Sheet Flow, Grass: Short n= 0.150 P2= 3.04"
0.5	100	0.0434	3.35		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.9	285	0.1076	5.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
3.6	780	0.0500	3.60		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
14.1	1,265	Total			

Subcatchment 1S: EX-A

Hydrograph



Pre-000

Prepared by E&A Consulting Group

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Type II 24-hr 10-Year Rainfall=4.48"

Printed 8/15/2024

Page 8

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: EX-A

Runoff Area=17.971 ac 5.33% Impervious Runoff Depth>2.25"
Flow Length=1,265' Tc=14.1 min CN=80 Runoff=58.13 cfs 3.374 af

Total Runoff Area = 17.971 ac Runoff Volume = 3.374 af Average Runoff Depth = 2.25"
94.67% Pervious = 17.014 ac 5.33% Impervious = 0.957 ac

Preliminary

Summary for Subcatchment 1S: EX-A

Runoff = 58.13 cfs @ 12.06 hrs, Volume= 3.374 af, Depth> 2.25"

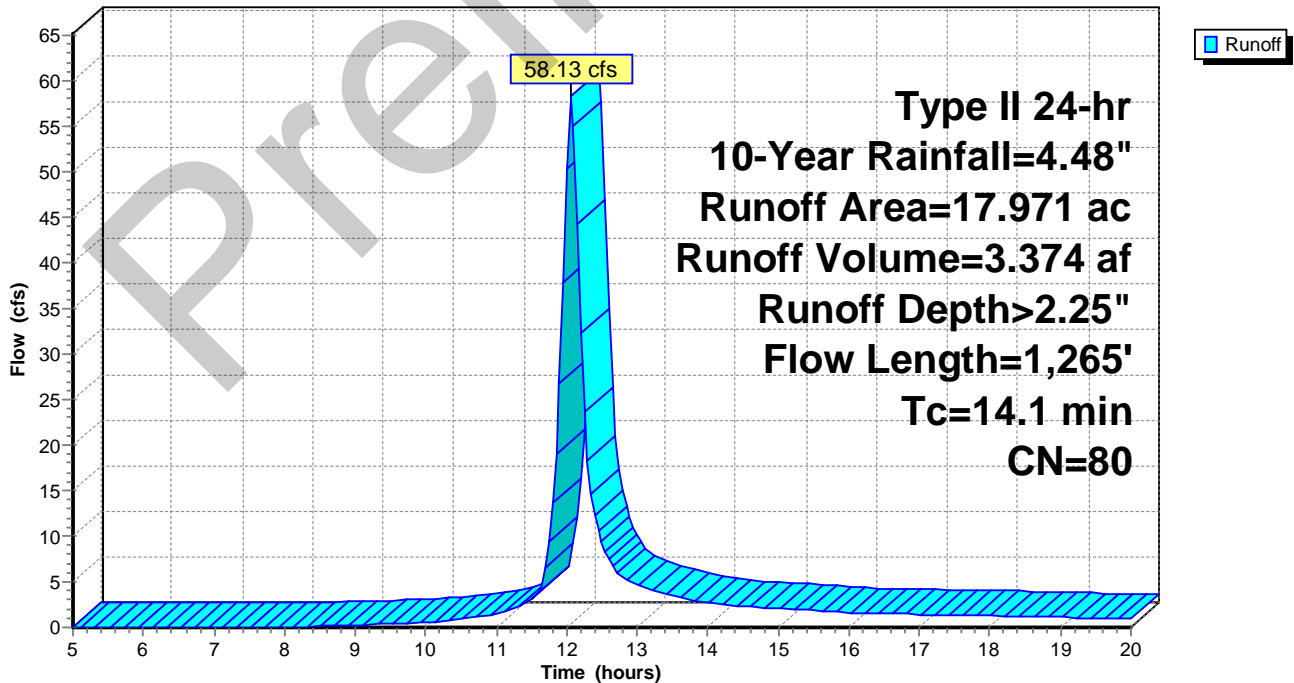
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Type II 24-hr 10-Year Rainfall=4.48"

Area (ac)	CN	Description
17.014	79	Woods/grass comb., Good, HSG D
0.957	98	Paved parking, HSG C
17.971	80	Weighted Average
17.014		94.67% Pervious Area
0.957		5.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	100	0.0257	0.18		Sheet Flow, Grass: Short n= 0.150 P2= 3.04"
0.5	100	0.0434	3.35		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.9	285	0.1076	5.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
3.6	780	0.0500	3.60		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
14.1	1,265	Total			

Subcatchment 1S: EX-A

Hydrograph



Pre-000

Prepared by E&A Consulting Group

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Type II 24-hr 100-Year Rainfall=7.33"

Printed 8/15/2024

Page 10

Time span=5.00-20.00 hrs, dt=0.05 hrs, 301 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: EX-A

Runoff Area=17.971 ac 5.33% Impervious Runoff Depth>4.66"
Flow Length=1,265' Tc=14.1 min CN=80 Runoff=116.97 cfs 6.974 af

Total Runoff Area = 17.971 ac Runoff Volume = 6.974 af Average Runoff Depth = 4.66"
94.67% Pervious = 17.014 ac 5.33% Impervious = 0.957 ac

Preliminary

Pre-000

Summary for Subcatchment 1S: EX-A

Runoff = 116.97 cfs @ 12.06 hrs, Volume= 6.974 af, Depth> 4.66"

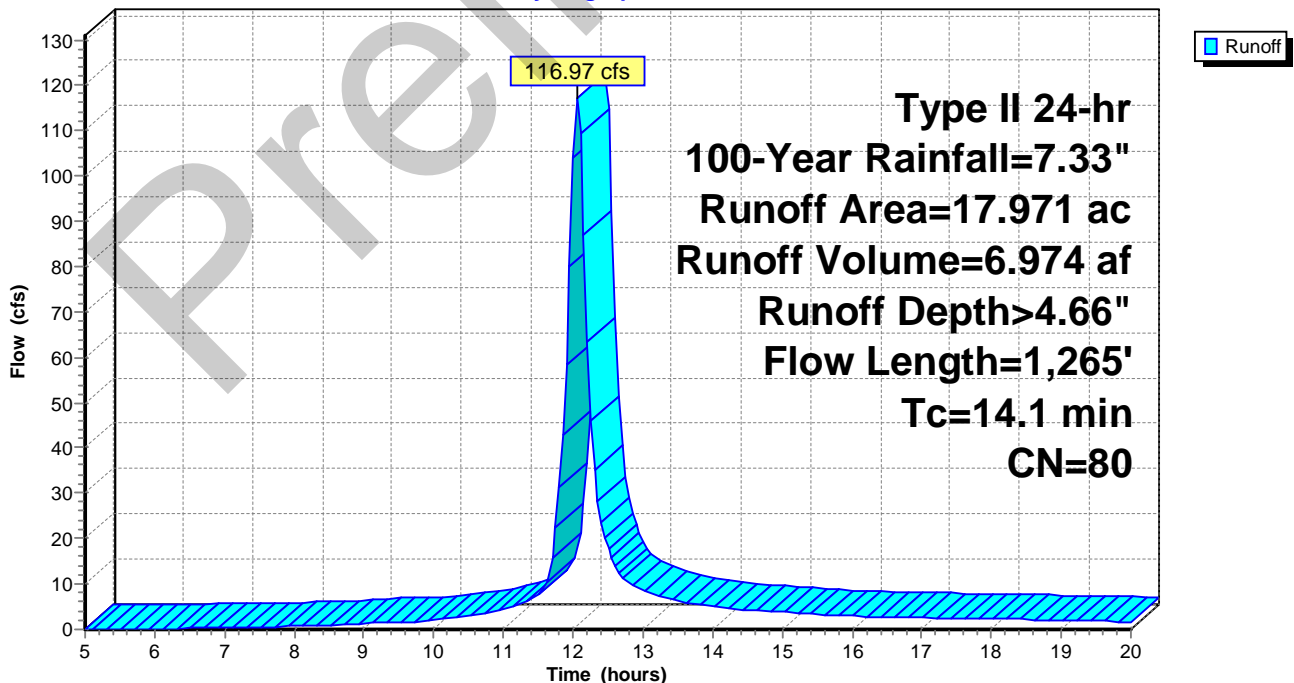
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
 Type II 24-hr 100-Year Rainfall=7.33"

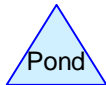
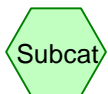
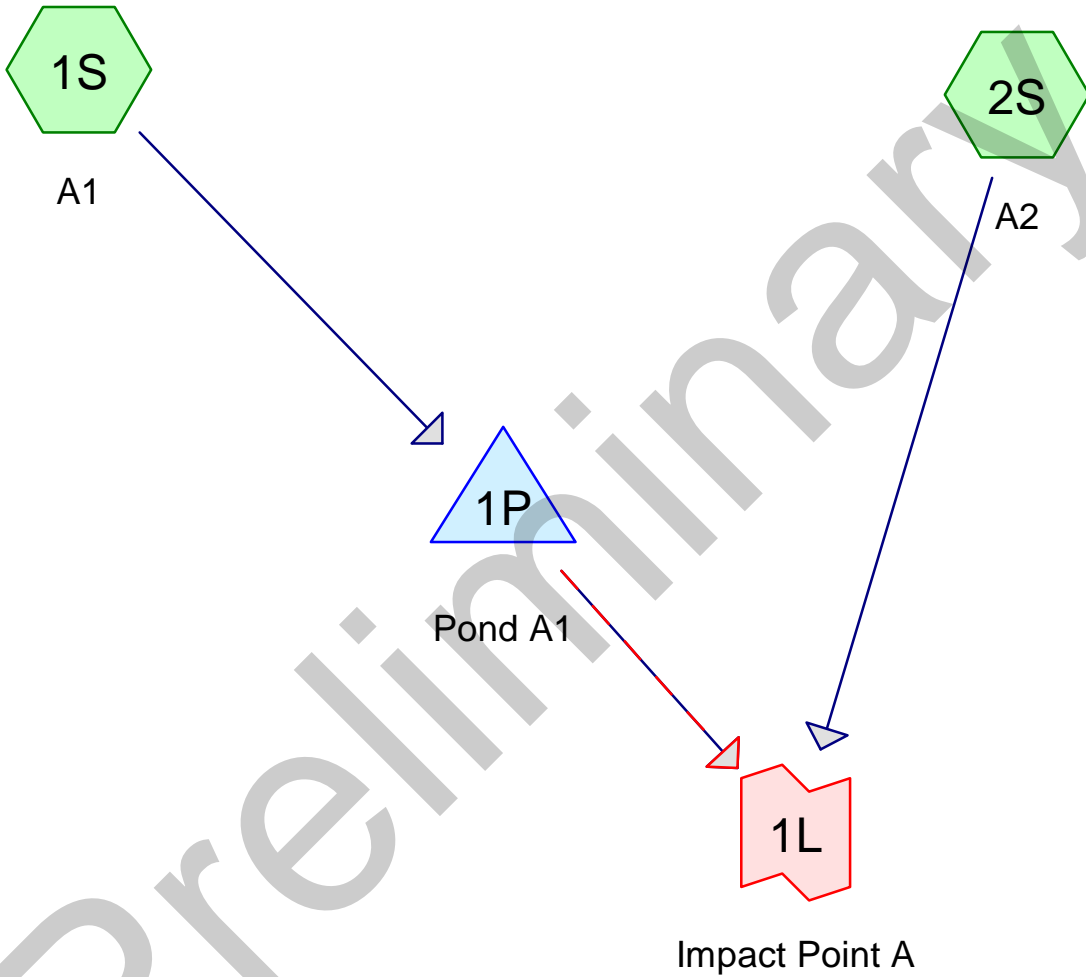
Area (ac)	CN	Description
17.014	79	Woods/grass comb., Good, HSG D
0.957	98	Paved parking, HSG C
17.971	80	Weighted Average
17.014		94.67% Pervious Area
0.957		5.33% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
9.1	100	0.0257	0.18		Sheet Flow, Grass: Short n= 0.150 P2= 3.04"
0.5	100	0.0434	3.35		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
0.9	285	0.1076	5.28		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
3.6	780	0.0500	3.60		Shallow Concentrated Flow, Unpaved Kv= 16.1 fps
14.1	1,265	Total			

Subcatchment 1S: EX-A

Hydrograph





Post-000

Prepared by E&A Consulting Group

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Printed 8/15/2024

Page 2

Project Notes

Rainfall events imported from "Pre-000.hcp"

Preliminary

Post-000

Rainfall Events Listing (selected events)

Event#	Event Name	Storm Type	Curve	Mode	Duration (hours)	B/B	Depth (inches)	AMC
1	2-Year	Type II 24-hr		Default	24.00	1	3.04	2
2	10-Year	Type II 24-hr		Default	24.00	1	4.48	2
3	100-Year	Type II 24-hr		Default	24.00	1	7.33	2

Preliminary

Post-000

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
3.389	87	1/4 acre lots, 38% imp, HSG D (1S)
1.261	92	1/8 acre lots, 65% imp, HSG D (1S, 2S)
6.557	80	>75% Grass cover, Good, HSG D (1S, 2S)
0.828	98	Paved parking, HSG C (2S)
5.295	98	Paved parking, HSG D (1S)
1.840	79	Woods/grass comb., Good, HSG D (2S)
19.170	88	TOTAL AREA

Preliminary

Post-000

Pipe Listing (all nodes)

Line#	Node Number	In-Invert (feet)	Out-Invert (feet)	Length (feet)	Slope (ft/ft)	n	Width (inches)	Diam/Height (inches)	Inside-Fill (inches)	Node Name
1	1P	1,386.00	1,382.00	180.0	0.0222	0.011	0.0	36.0	0.0	

Preliminary

Post-000

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Type II 24-hr 2-Year Rainfall=3.04"

Printed 8/15/2024

Page 6

Time span=5.00-60.00 hrs, dt=0.05 hrs, 1101 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: A1

Runoff Area=14.330 ac 49.19% Impervious Runoff Depth=1.94"
Tc=10.9 min CN=89 Runoff=40.12 cfs 2.312 af

Subcatchment 2S: A2

Runoff Area=4.840 ac 24.40% Impervious Runoff Depth=1.55"
Tc=8.0 min CN=84 Runoff=12.26 cfs 0.625 af

Pond 1P: Pond A1

Peak Elev=1,391.39' Storage=39,217 cf Inflow=40.12 cfs 2.312 af
Primary=18.68 cfs 2.312 af Secondary=0.00 cfs 0.000 af Outflow=18.68 cfs 2.312 af

Link 1L: Impact Point A

Inflow=22.48 cfs 2.937 af
Primary=22.48 cfs 2.937 af

Total Runoff Area = 19.170 ac Runoff Volume = 2.937 af Average Runoff Depth = 1.84"
57.07% Pervious = 10.940 ac 42.93% Impervious = 8.230 ac

Preliminary

Post-000

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Type II 24-hr 2-Year Rainfall=3.04"

Printed 8/15/2024

Page 7

Summary for Subcatchment 1S: A1

Runoff = 40.12 cfs @ 12.02 hrs, Volume= 2.312 af, Depth= 1.94"

Routed to Pond 1P : Pond A1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

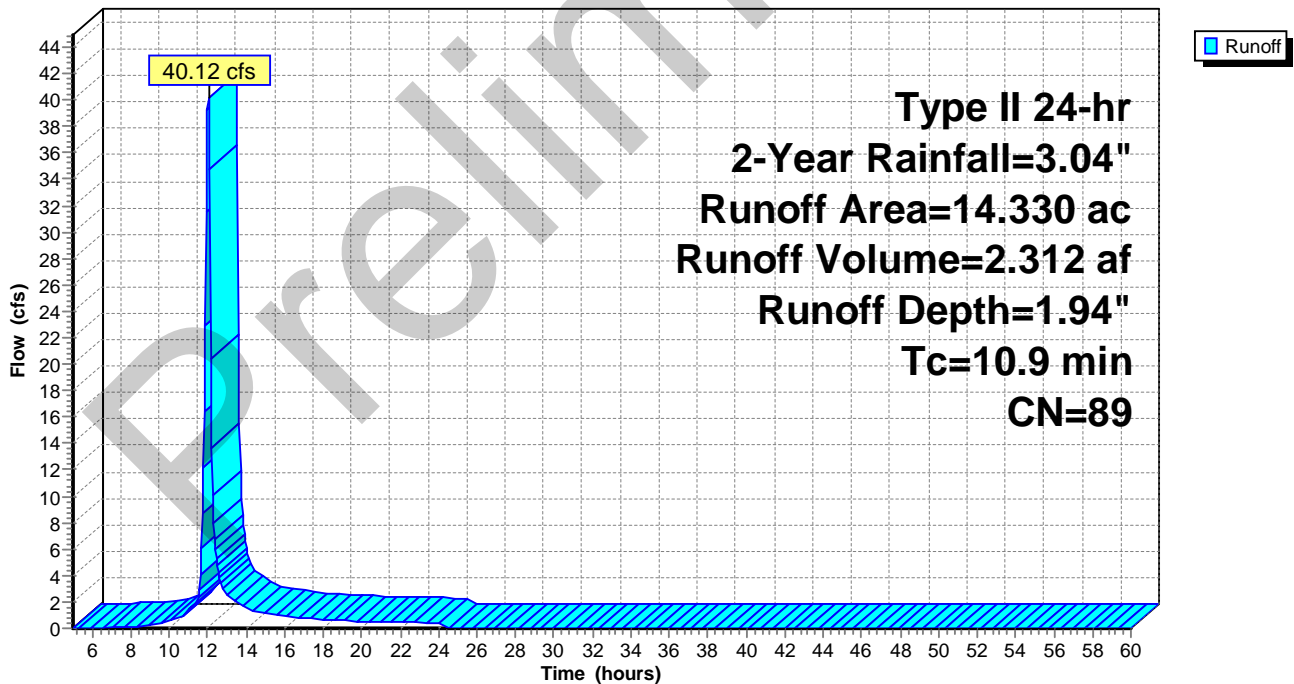
Type II 24-hr 2-Year Rainfall=3.04"

Area (ac)	CN	Description
5.295	98	Paved parking, HSG D
0.718	92	1/8 acre lots, 65% imp, HSG D
3.389	87	1/4 acre lots, 38% imp, HSG D
4.928	80	>75% Grass cover, Good, HSG D
14.330	89	Weighted Average
7.280		50.81% Pervious Area
7.050		49.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9					Direct Entry,

Subcatchment 1S: A1

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.04"

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Summary for Subcatchment 2S: A2

Runoff = 12.26 cfs @ 12.00 hrs, Volume= 0.625 af, Depth= 1.55"

Routed to Link 1L : Impact Point A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

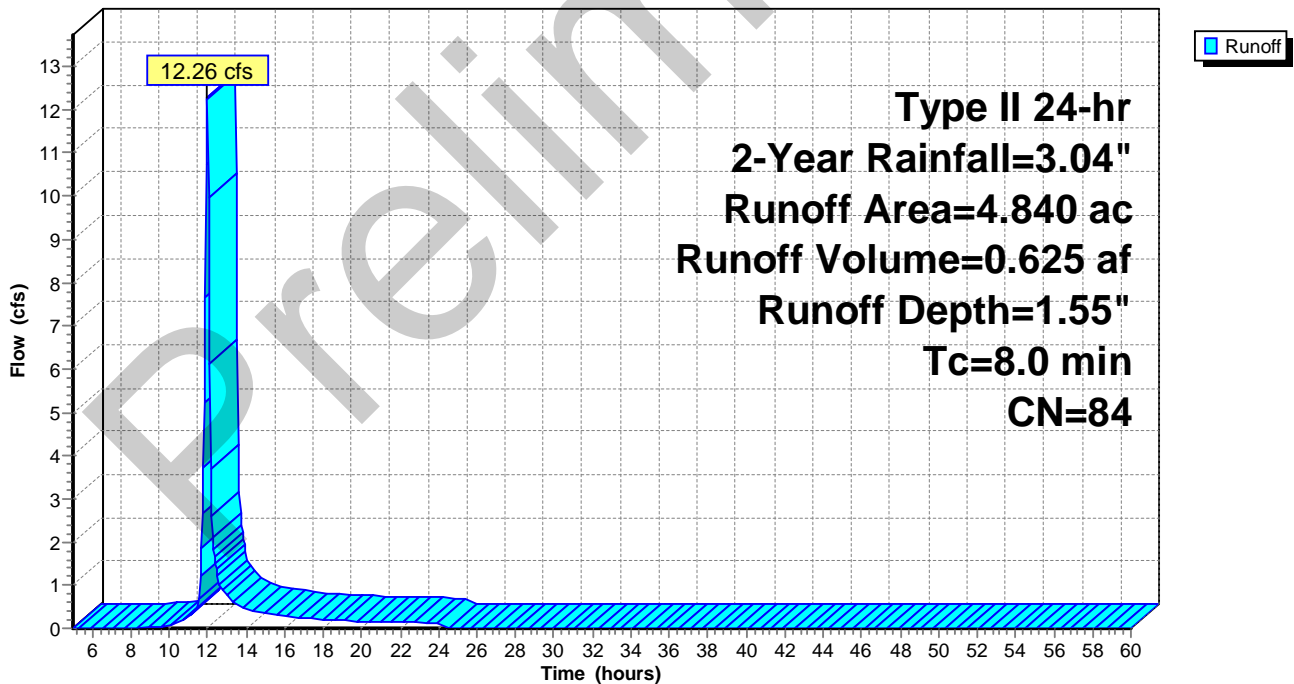
Type II 24-hr 2-Year Rainfall=3.04"

Area (ac)	CN	Description
0.828	98	Paved parking, HSG C
0.543	92	1/8 acre lots, 65% imp, HSG D
1.629	80	>75% Grass cover, Good, HSG D
1.840	79	Woods/grass comb., Good, HSG D
4.840	84	Weighted Average
3.659		75.60% Pervious Area
1.181		24.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

Subcatchment 2S: A2

Hydrograph



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Type II 24-hr 2-Year Rainfall=3.04"

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Summary for Pond 1P: Pond A1

WQCV- 24626

Opening- 2.66 to 3.2 inches

[44] Hint: Outlet device #2 is below defined storage

Inflow Area = 14.330 ac, 49.19% Impervious, Inflow Depth = 1.94" for 2-Year event
 Inflow = 40.12 cfs @ 12.02 hrs, Volume= 2.312 af
 Outflow = 18.68 cfs @ 12.17 hrs, Volume= 2.312 af, Atten= 53%, Lag= 8.7 min
 Primary = 18.68 cfs @ 12.17 hrs, Volume= 2.312 af
 Routed to Link 1L : Impact Point A
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Link 1L : Impact Point A

Routing by Stor-Ind method, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Peak Elev= 1,391.39' @ 12.17 hrs Surf.Area= 15,210 sf Storage= 39,217 cf

Plug-Flow detention time= 314.1 min calculated for 2.312 af (100% of inflow)
 Center-of-Mass det. time= 314.1 min (1,128.7 - 814.6)

Volume	Invert	Avail.Storage	Storage Description
#1	1,387.00'	175,416 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,387.00	40	0	0
1,388.00	4,725	2,383	2,383
1,389.00	9,749	7,237	9,620
1,390.00	11,912	10,831	20,450
1,391.00	14,257	13,085	33,535
1,392.00	16,727	15,492	49,027
1,393.00	19,358	18,043	67,069
1,394.00	22,151	20,755	87,824
1,395.00	26,517	24,334	112,158
1,396.00	100,000	63,259	175,416

Device	Routing	Invert	Outlet Devices
#1	Primary	1,386.00'	36.0" Round Culvert L= 180.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,386.00' / 1,382.00' S= 0.0222 ' /' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 7.07 sf
#2	Device 1	1,386.50'	3.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	1,390.30'	20.0" W x 27.0" H Vert. Orifice/Grate X 3.00 C= 0.600 Limited to weir flow at low heads
#4	Device 1	1,393.00'	36.0" x 36.0" Horiz. Orifice/Grate C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads
#5	Secondary	1,394.00'	14.0' long x 14.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

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Type II 24-hr 2-Year Rainfall=3.04"

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Primary OutFlow Max=18.35 cfs @ 12.17 hrs HW=1,391.37' (Free Discharge)

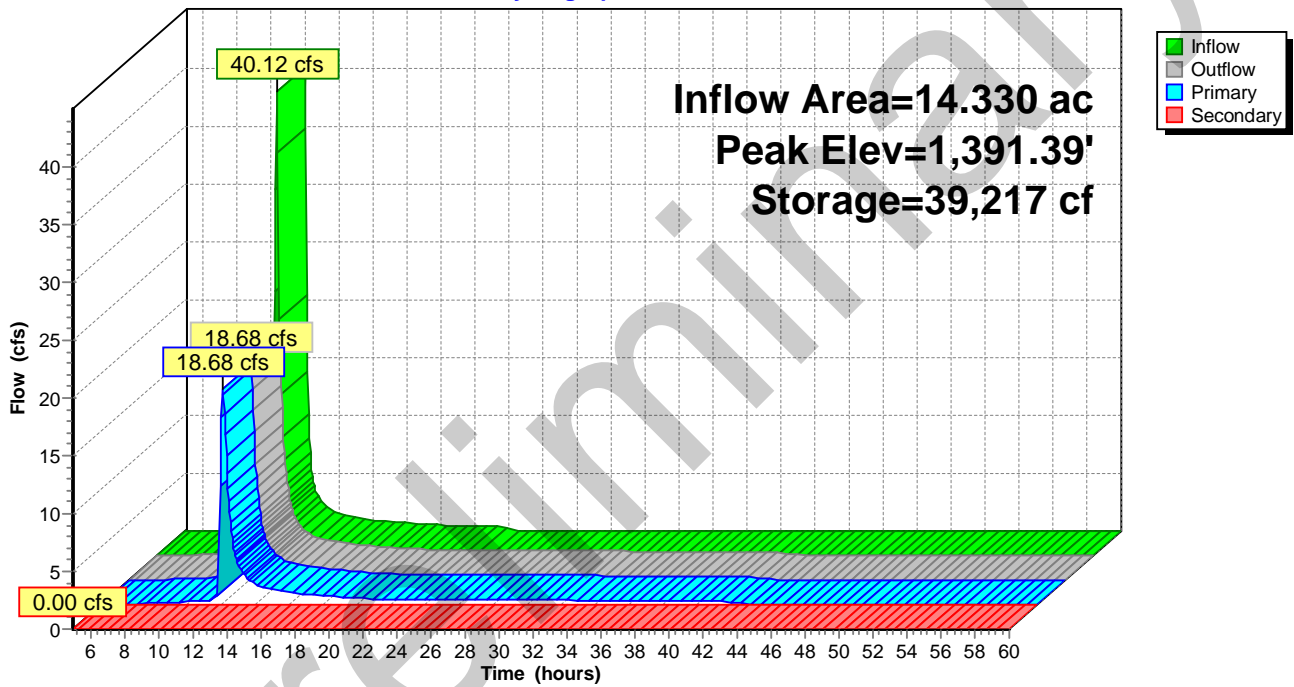
- 1=Culvert (Passes 18.35 cfs of 66.98 cfs potential flow)
- 2=Orifice/Grate (Orifice Controls 0.52 cfs @ 10.49 fps)
- 3=Orifice/Grate (Orifice Controls 17.83 cfs @ 3.32 fps)
- 4=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,387.00' (Free Discharge)

- 5=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: Pond A1

Hydrograph



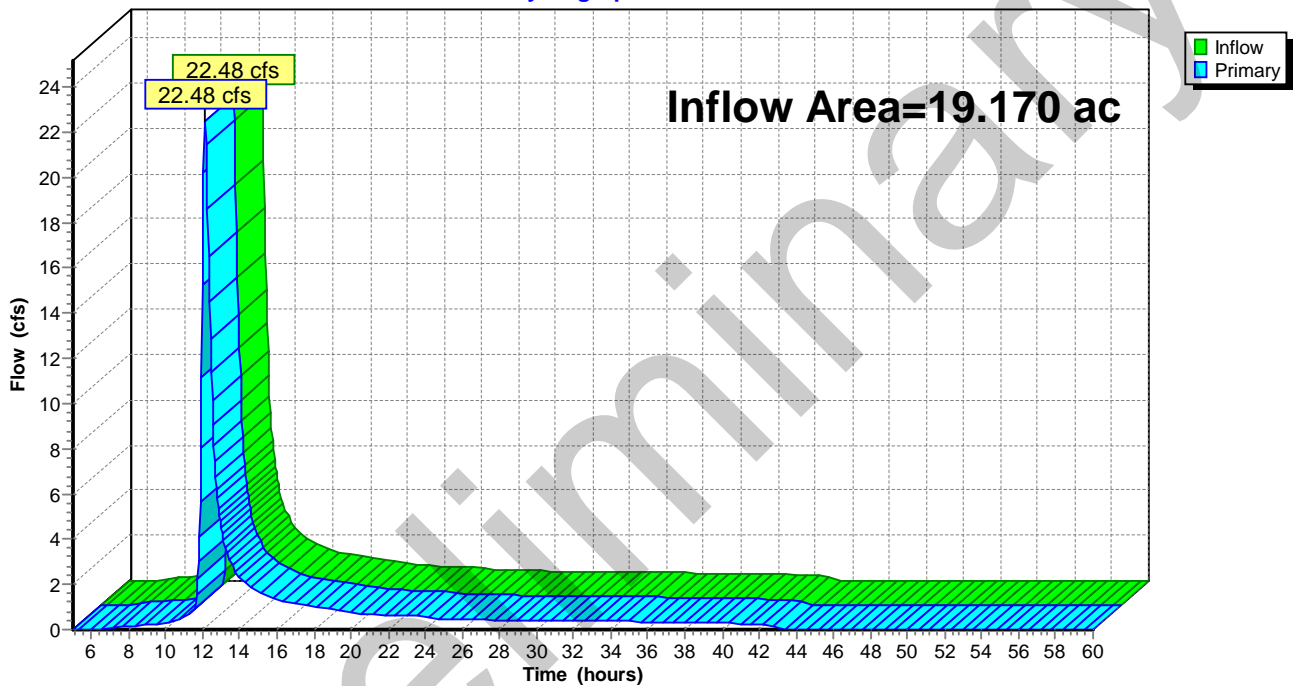
Summary for Link 1L: Impact Point A

Inflow Area = 19.170 ac, 42.93% Impervious, Inflow Depth = 1.84" for 2-Year event
Inflow = 22.48 cfs @ 12.12 hrs, Volume= 2.937 af
Primary = 22.48 cfs @ 12.12 hrs, Volume= 2.937 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

Link 1L: Impact Point A

Hydrograph



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Type II 24-hr 10-Year Rainfall=4.48"

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Time span=5.00-60.00 hrs, dt=0.05 hrs, 1101 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: A1

Runoff Area=14.330 ac 49.19% Impervious Runoff Depth>3.28"
Tc=10.9 min CN=89 Runoff=66.37 cfs 3.912 af

Subcatchment 2S: A2

Runoff Area=4.840 ac 24.40% Impervious Runoff Depth=2.80"
Tc=8.0 min CN=84 Runoff=21.80 cfs 1.129 af

Pond 1P: Pond A1

Peak Elev=1,392.29' Storage=53,958 cf Inflow=66.37 cfs 3.912 af
Primary=45.56 cfs 3.912 af Secondary=0.00 cfs 0.000 af Outflow=45.56 cfs 3.912 af

Link 1L: Impact Point A

Inflow=58.02 cfs 5.041 af
Primary=58.02 cfs 5.041 af

Total Runoff Area = 19.170 ac Runoff Volume = 5.041 af Average Runoff Depth = 3.16"
57.07% Pervious = 10.940 ac 42.93% Impervious = 8.230 ac

Preliminary

Summary for Subcatchment 1S: A1

Runoff = 66.37 cfs @ 12.02 hrs, Volume= 3.912 af, Depth> 3.28"
 Routed to Pond 1P : Pond A1

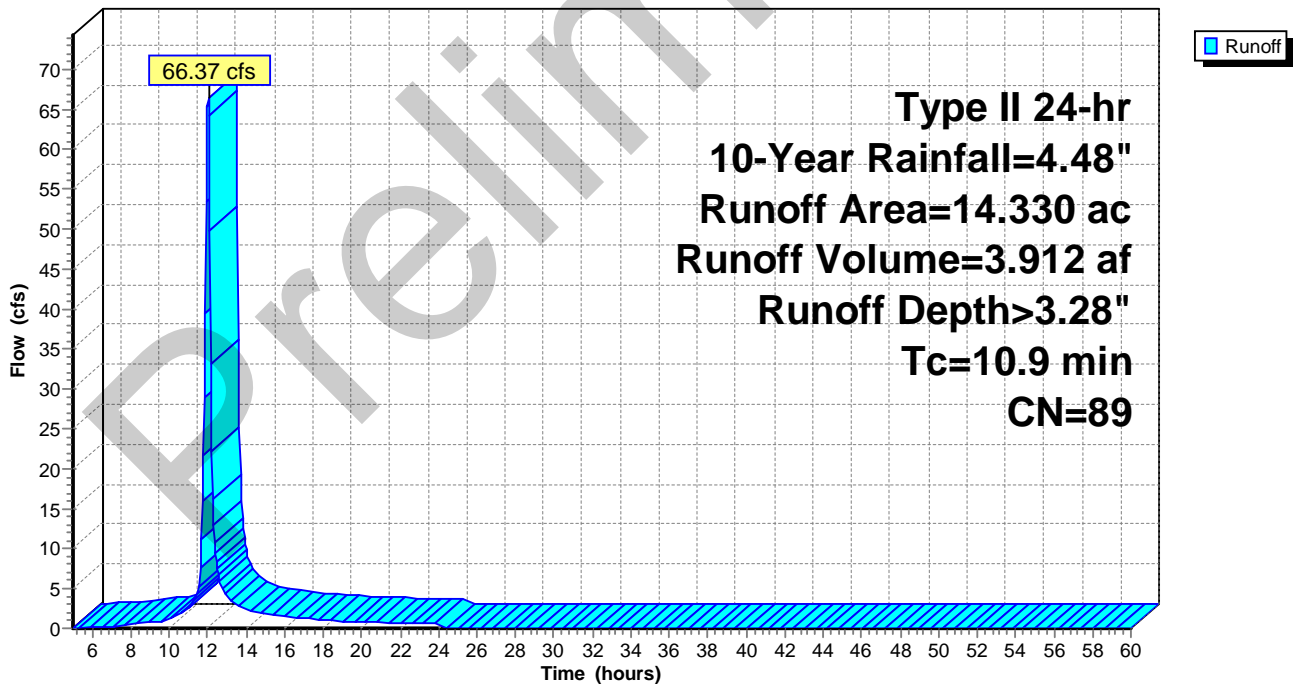
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Type II 24-hr 10-Year Rainfall=4.48"

Area (ac)	CN	Description
5.295	98	Paved parking, HSG D
0.718	92	1/8 acre lots, 65% imp, HSG D
3.389	87	1/4 acre lots, 38% imp, HSG D
4.928	80	>75% Grass cover, Good, HSG D
14.330	89	Weighted Average
7.280		50.81% Pervious Area
7.050		49.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9					Direct Entry,

Subcatchment 1S: A1

Hydrograph



Summary for Subcatchment 2S: A2

Runoff = 21.80 cfs @ 11.99 hrs, Volume= 1.129 af, Depth= 2.80"
 Routed to Link 1L : Impact Point A

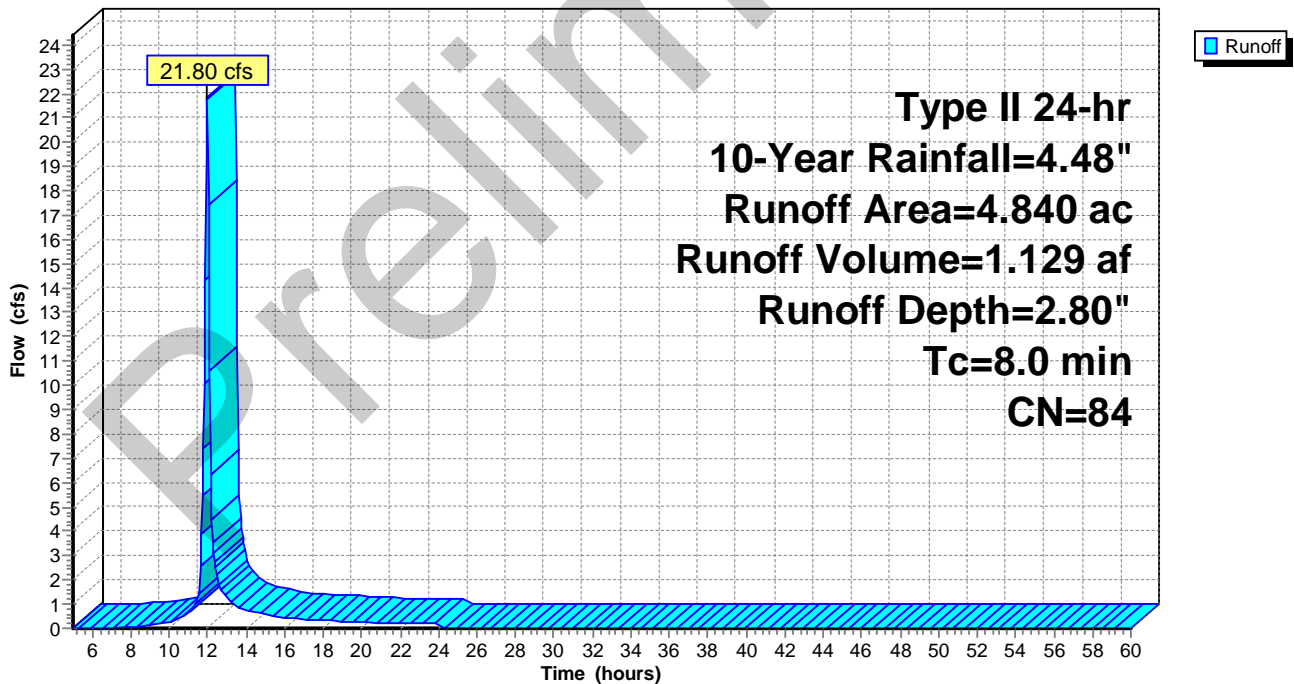
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Type II 24-hr 10-Year Rainfall=4.48"

Area (ac)	CN	Description
0.828	98	Paved parking, HSG C
0.543	92	1/8 acre lots, 65% imp, HSG D
1.629	80	>75% Grass cover, Good, HSG D
1.840	79	Woods/grass comb., Good, HSG D
4.840	84	Weighted Average
3.659		75.60% Pervious Area
1.181		24.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

Subcatchment 2S: A2

Hydrograph



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Type II 24-hr 10-Year Rainfall=4.48"

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Summary for Pond 1P: Pond A1

WQCV- 24626

Opening- 2.66 to 3.2 inches

[44] Hint: Outlet device #2 is below defined storage

Inflow Area = 14.330 ac, 49.19% Impervious, Inflow Depth > 3.28" for 10-Year event
 Inflow = 66.37 cfs @ 12.02 hrs, Volume= 3.912 af
 Outflow = 45.56 cfs @ 12.12 hrs, Volume= 3.912 af, Atten= 31%, Lag= 5.7 min
 Primary = 45.56 cfs @ 12.12 hrs, Volume= 3.912 af
 Routed to Link 1L : Impact Point A
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Link 1L : Impact Point A

Routing by Stor-Ind method, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Peak Elev= 1,392.29' @ 12.12 hrs Surf.Area= 17,486 sf Storage= 53,958 cf

Plug-Flow detention time= 201.1 min calculated for 3.912 af (100% of inflow)
 Center-of-Mass det. time= 201.1 min (1,000.8 - 799.8)

Volume	Invert	Avail.Storage	Storage Description
#1	1,387.00'	175,416 cf	Custom Stage Data (Prismatic) Listed below (Recalc)

Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,387.00	40	0	0
1,388.00	4,725	2,383	2,383
1,389.00	9,749	7,237	9,620
1,390.00	11,912	10,831	20,450
1,391.00	14,257	13,085	33,535
1,392.00	16,727	15,492	49,027
1,393.00	19,358	18,043	67,069
1,394.00	22,151	20,755	87,824
1,395.00	26,517	24,334	112,158
1,396.00	100,000	63,259	175,416

Device	Routing	Invert	Outlet Devices
#1	Primary	1,386.00'	36.0" Round Culvert L= 180.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,386.00' / 1,382.00' S= 0.0222 ' /' Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 7.07 sf
#2	Device 1	1,386.50'	3.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	1,390.30'	20.0" W x 27.0" H Vert. Orifice/Grate X 3.00 C= 0.600 Limited to weir flow at low heads
#4	Device 1	1,393.00'	36.0" x 36.0" Horiz. Orifice/Grate C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads
#5	Secondary	1,394.00'	14.0' long x 14.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 Coef. (English) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

Primary OutFlow Max=44.90 cfs @ 12.12 hrs HW=1,392.27' (Free Discharge)

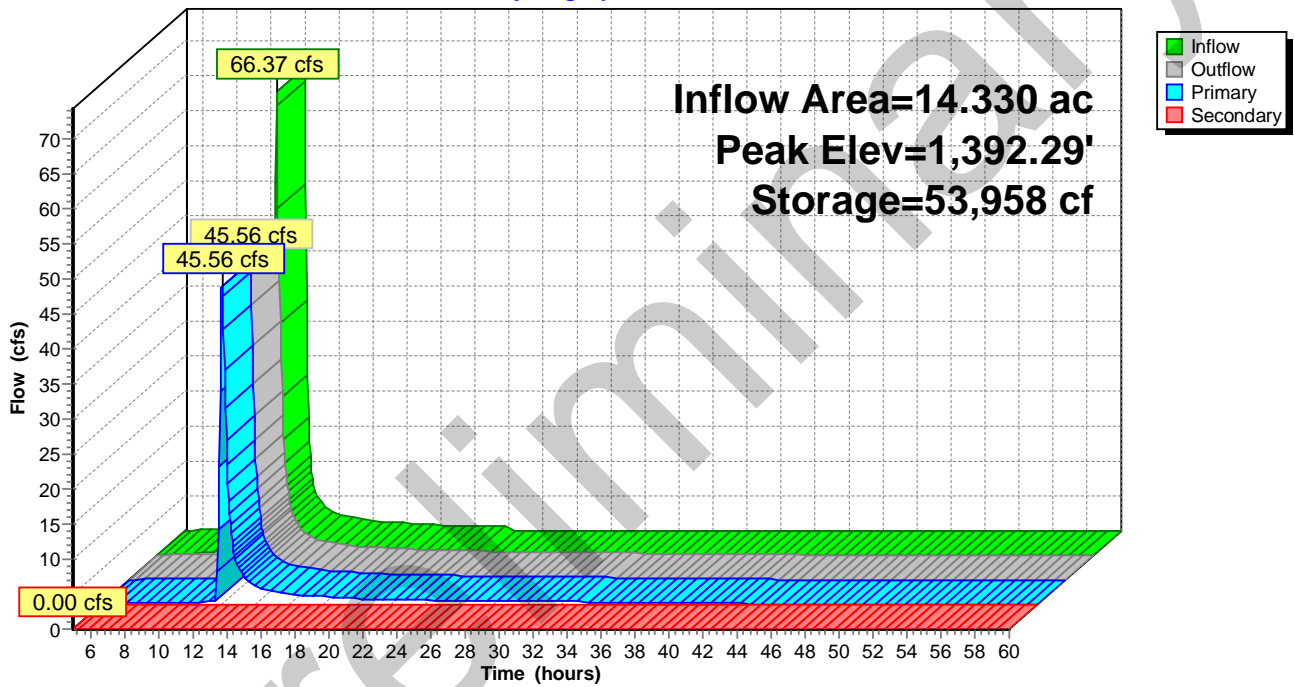
- 1=Culvert (Passes 44.90 cfs of 74.33 cfs potential flow)
- 2=Orifice/Grate (Orifice Controls 0.56 cfs @ 11.44 fps)
- 3=Orifice/Grate (Orifice Controls 44.34 cfs @ 4.50 fps)
- 4=Orifice/Grate (Controls 0.00 cfs)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,387.01' (Free Discharge)

- 5=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: Pond A1

Hydrograph



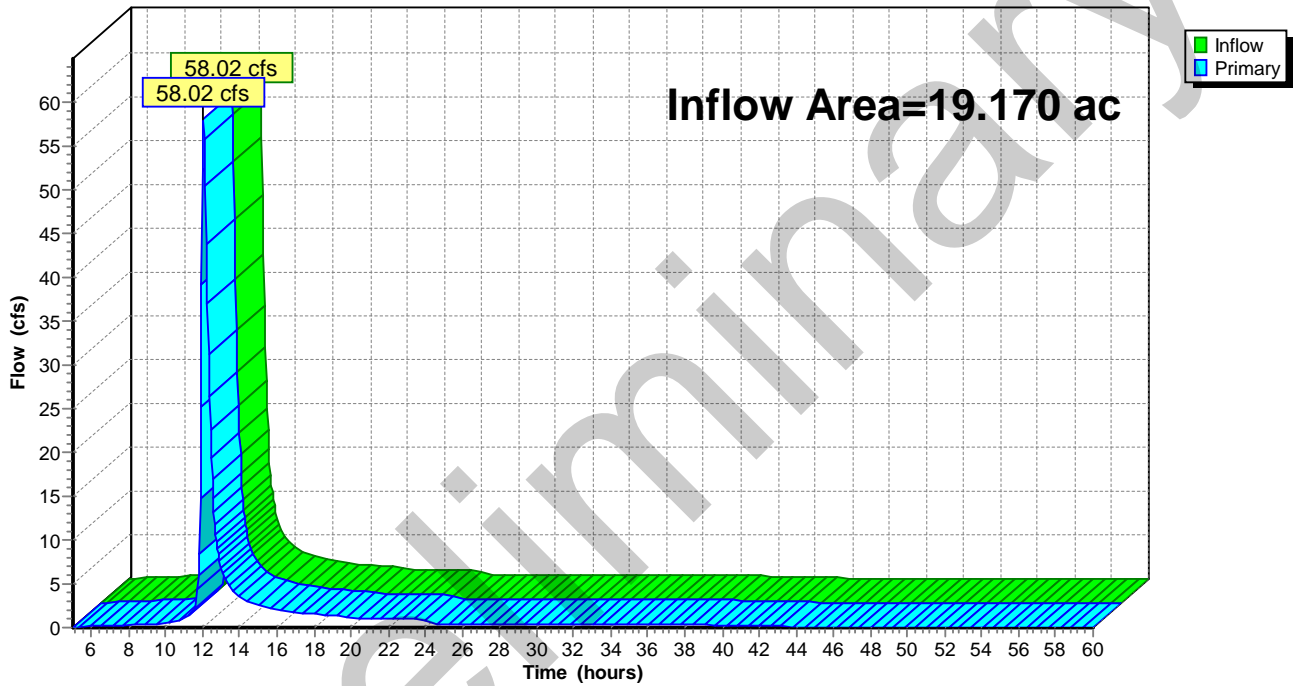
Summary for Link 1L: Impact Point A

Inflow Area = 19.170 ac, 42.93% Impervious, Inflow Depth > 3.16" for 10-Year event
Inflow = 58.02 cfs @ 12.06 hrs, Volume= 5.041 af
Primary = 58.02 cfs @ 12.06 hrs, Volume= 5.041 af, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

Link 1L: Impact Point A

Hydrograph



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Type II 24-hr 100-Year Rainfall=7.33"

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Time span=5.00-60.00 hrs, dt=0.05 hrs, 1101 points
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment 1S: A1

Runoff Area=14.330 ac 49.19% Impervious Runoff Depth>6.00"
Tc=10.9 min CN=89 Runoff=118.03 cfs 7.170 af

Subcatchment 2S: A2

Runoff Area=4.840 ac 24.40% Impervious Runoff Depth>5.45"
Tc=8.0 min CN=84 Runoff=41.08 cfs 2.199 af

Pond 1P: Pond A1

Peak Elev=1,393.48' Storage=76,706 cf Inflow=118.03 cfs 7.170 af
Primary=83.39 cfs 7.170 af Secondary=0.00 cfs 0.000 af Outflow=83.39 cfs 7.170 af

Link 1L: Impact Point A

Inflow=112.90 cfs 9.369 af
Primary=112.90 cfs 9.369 af

Total Runoff Area = 19.170 ac Runoff Volume = 9.369 af Average Runoff Depth = 5.87"
57.07% Pervious = 10.940 ac 42.93% Impervious = 8.230 ac

Preliminary

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Type II 24-hr 100-Year Rainfall=7.33"

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Summary for Subcatchment 1S: A1

Runoff = 118.03 cfs @ 12.02 hrs, Volume= 7.170 af, Depth> 6.00"

Routed to Pond 1P : Pond A1

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

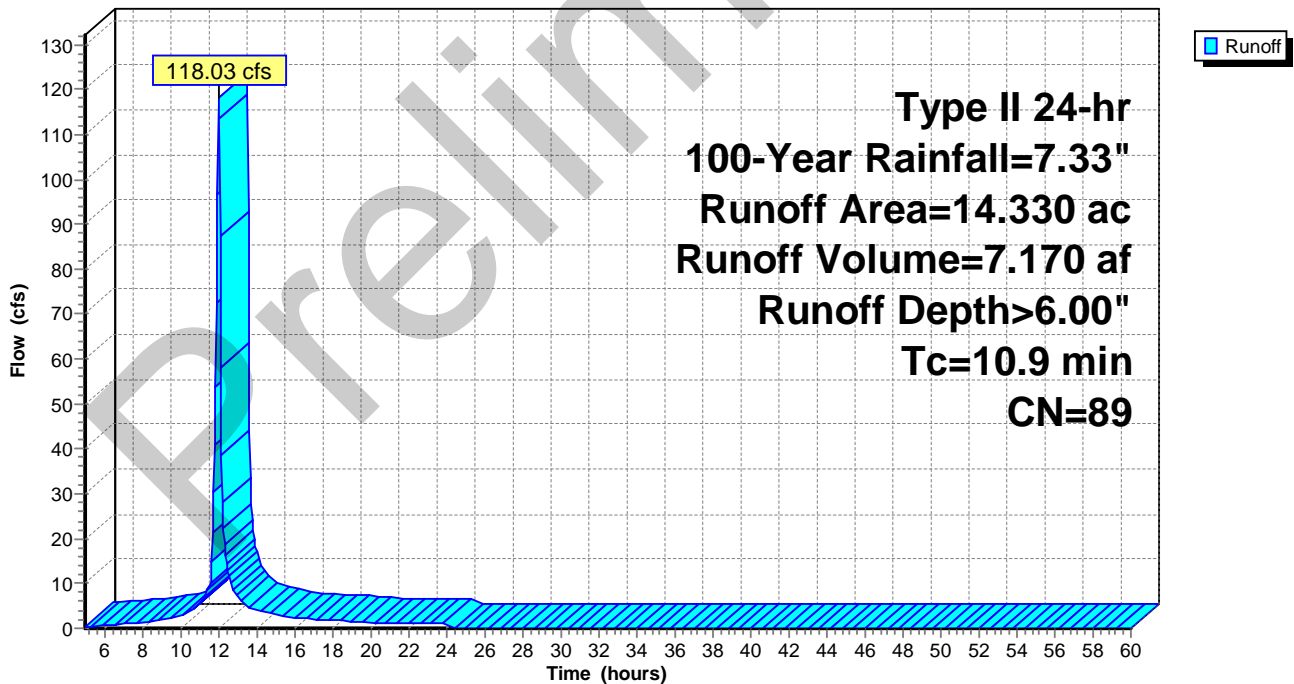
Type II 24-hr 100-Year Rainfall=7.33"

Area (ac)	CN	Description
5.295	98	Paved parking, HSG D
0.718	92	1/8 acre lots, 65% imp, HSG D
3.389	87	1/4 acre lots, 38% imp, HSG D
4.928	80	>75% Grass cover, Good, HSG D
14.330	89	Weighted Average
7.280		50.81% Pervious Area
7.050		49.19% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
10.9					Direct Entry,

Subcatchment 1S: A1

Hydrograph



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Type II 24-hr 100-Year Rainfall=7.33"

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Summary for Subcatchment 2S: A2

Runoff = 41.08 cfs @ 11.99 hrs, Volume= 2.199 af, Depth> 5.45"

Routed to Link 1L : Impact Point A

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs

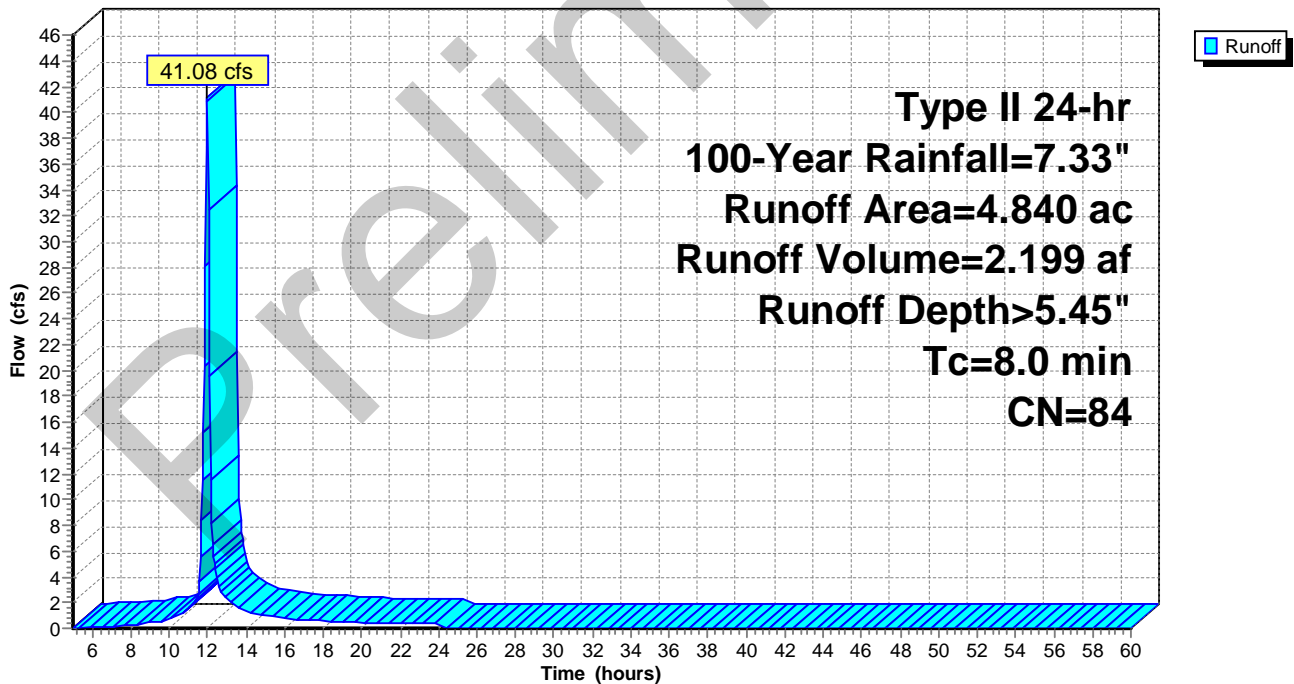
Type II 24-hr 100-Year Rainfall=7.33"

Area (ac)	CN	Description
0.828	98	Paved parking, HSG C
0.543	92	1/8 acre lots, 65% imp, HSG D
1.629	80	>75% Grass cover, Good, HSG D
1.840	79	Woods/grass comb., Good, HSG D
4.840	84	Weighted Average
3.659		75.60% Pervious Area
1.181		24.40% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
8.0					Direct Entry,

Subcatchment 2S: A2

Hydrograph



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Type II 24-hr 100-Year Rainfall=7.33"

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Summary for Pond 1P: Pond A1

WQCV- 24626

Opening- 2.66 to 3.2 inches

[82] Warning: Early inflow requires earlier time span

[44] Hint: Outlet device #2 is below defined storage

Inflow Area = 14.330 ac, 49.19% Impervious, Inflow Depth > 6.00" for 100-Year event
 Inflow = 118.03 cfs @ 12.02 hrs, Volume= 7.170 af
 Outflow = 83.39 cfs @ 12.12 hrs, Volume= 7.170 af, Atten= 29%, Lag= 5.8 min
 Primary = 83.39 cfs @ 12.12 hrs, Volume= 7.170 af
 Routed to Link 1L : Impact Point A
 Secondary = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af
 Routed to Link 1L : Impact Point A

Routing by Stor-Ind method, Time Span= 5.00-60.00 hrs, dt= 0.05 hrs
 Peak Elev= 1,393.48' @ 12.11 hrs Surf.Area= 20,702 sf Storage= 76,706 cf

Plug-Flow detention time= 125.4 min calculated for 7.163 af (100% of inflow)
 Center-of-Mass det. time= 126.2 min (911.4 - 785.2)

Volume	Invert	Avail.Storage	Storage Description
#1	1,387.00'	175,416 cf	Custom Stage Data (Prismatic) Listed below (Recalc)
Elevation (feet)	Surf.Area (sq-ft)	Inc.Store (cubic-feet)	Cum.Store (cubic-feet)
1,387.00	40	0	0
1,388.00	4,725	2,383	2,383
1,389.00	9,749	7,237	9,620
1,390.00	11,912	10,831	20,450
1,391.00	14,257	13,085	33,535
1,392.00	16,727	15,492	49,027
1,393.00	19,358	18,043	67,069
1,394.00	22,151	20,755	87,824
1,395.00	26,517	24,334	112,158
1,396.00	100,000	63,259	175,416

Device	Routing	Invert	Outlet Devices
#1	Primary	1,386.00'	36.0" Round Culvert L= 180.0' RCP, square edge headwall, Ke= 0.500 Inlet / Outlet Invert= 1,386.00' / 1,382.00' S= 0.0222 1/1 Cc= 0.900 n= 0.011 Concrete pipe, straight & clean, Flow Area= 7.07 sf
#2	Device 1	1,386.50'	3.0" Vert. Orifice/Grate C= 0.600 Limited to weir flow at low heads
#3	Device 1	1,390.30'	20.0" W x 27.0" H Vert. Orifice/Grate X 3.00 C= 0.600 Limited to weir flow at low heads
#4	Device 1	1,393.00'	36.0" x 36.0" Horiz. Orifice/Grate C= 0.600 in 48.0" x 48.0" Grate (56% open area) Limited to weir flow at low heads
#5	Secondary	1,394.00'	14.0' long x 14.0' breadth Broad-Crested Rectangular Weir Head (feet) 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60

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Type II 24-hr 100-Year Rainfall=7.33"

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Coef. (English) 2.64 2.67 2.70 2.65 2.64 2.65 2.65 2.63

Primary OutFlow Max=83.02 cfs @ 12.12 hrs HW=1,393.45' (Free Discharge)

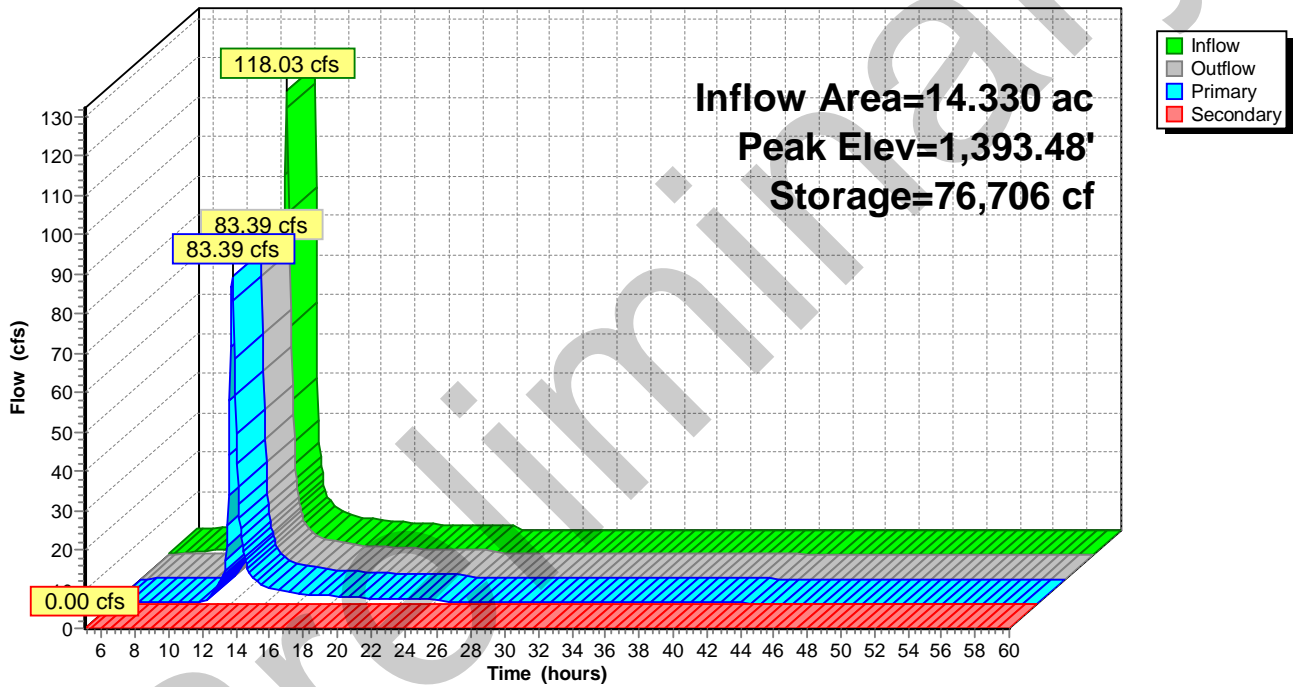
- 1=Culvert (Inlet Controls 83.02 cfs @ 11.75 fps)
- 2=Orifice/Grate (Passes < 0.62 cfs potential flow)
- 3=Orifice/Grate (Passes < 76.04 cfs potential flow)
- 4=Orifice/Grate (Passes < 11.86 cfs potential flow)

Secondary OutFlow Max=0.00 cfs @ 5.00 hrs HW=1,387.09' (Free Discharge)

- 5=Broad-Crested Rectangular Weir (Controls 0.00 cfs)

Pond 1P: Pond A1

Hydrograph



**APPENDIX F:
PRELIMINARY PIPE SIZING CALCULATIONS**



Engineer's Preliminary Pipe Sizing Calculations
Dittmer Commercial
 Crete, NE

Project No: 2022.289.001
 8/15/2024

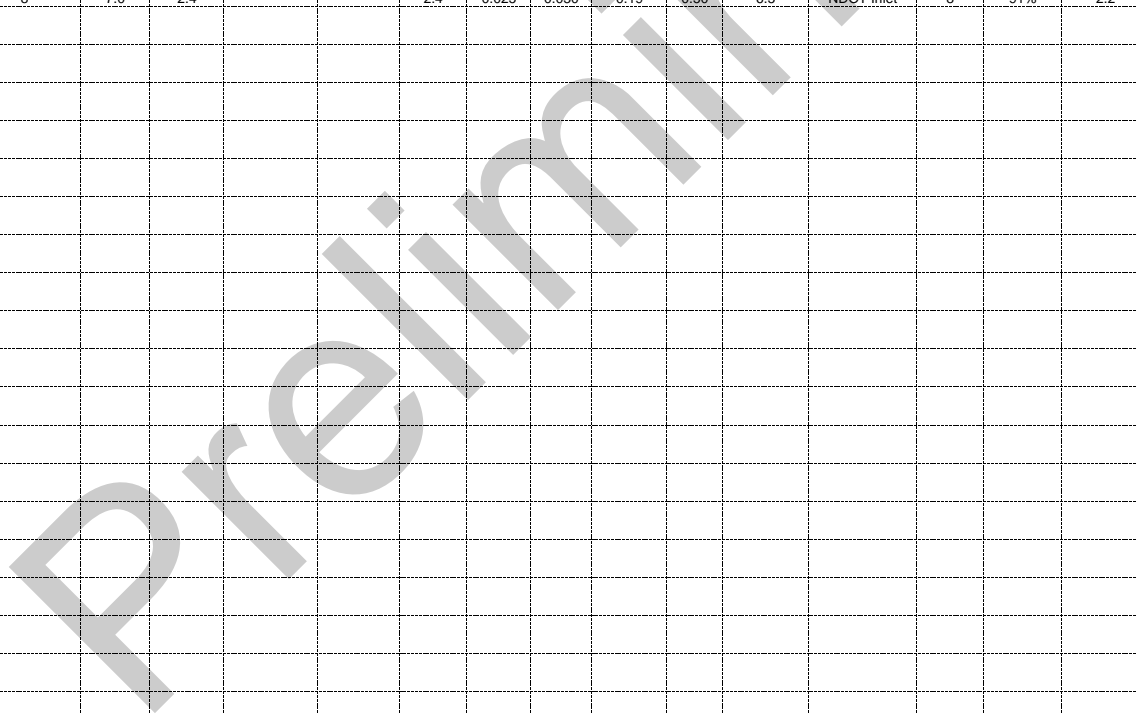
Proposed Preliminary Pipe Sizing Calculations																						
Minor Storm System Conveyance Analysis								Major Storm System Conveyance Analysis														
Minor Storm Average Return Frequency 10 Years								Major Storm Average Return Frequency 100 Years														
Location (Parcel)	Area, A	Coefficient, C	A*C	Sum, A*C	Time of Concentration, Tc	Intensity, I	Runoff, Qr	Pipe Slope, Sp	Pipe Length, L	Pipe Diameter D	Pipe Capacity Qp	Pipe Velocity Vp	Time in Section Tp	Intensity I100	Flow, Q100	Overflow Route Slope	Street Width	Street Capacity	Overflow + Pipe Capacity	Comments		
	acre				min	in/hr	cfs	ft/ft	ft	in	cfs	f/s	min	in/hr	cfs	ft/ft	ft	cfs	cfs	(24)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(23)				
Basin A1																						
A9	1.35	0.33	0.45	0.45	12.2	5.82	2.6	0.0200	65	12	5.0	6.4	0.17	10.96	4.94	0.025	6		5.0	Sump Condition - Swale		
A8-9	8.00	0.51	4.10	4.55	12.4	5.78	26.3	0.0800	105	18	29.7	16.8	0.10	10.89	49.52	0.15	27		29.7	Sump Condition - Private Roadway		
A7	0.42	0.92	0.38	0.38	8.0	7.00	2.7	0.0100	165	12	3.6	4.5	0.61	13.20	5.07	0.02	27		3.6	Sump Condition - Parking Lot		
A6-7	0.71	0.89	0.63	1.02	8.6	6.79	6.9	0.0300	215	15	11.2	9.1	0.39	12.81	13.06	0.2	27		11.2	Sump Condition - Parking Lot		
A5-7	0.65	0.91	0.59	1.61	9.0	6.67	10.7	0.0800	50	15	18.3	14.9	0.06	12.57	20.24	0.25	45		18.3	Sump Condition - Private Roadway		
A4	0.89	0.87	0.78	0.78	8.0	7.00	5.4	0.0270	50	12	5.9	7.5	0.11	13.20	10.26	0.25	30		5.9	Sump Condition - Parking Lot		
A3-4	0.44	0.76	0.33	1.11	8.1	6.96	7.7	0.0050	220	24	16.0	5.1	0.72	13.13	14.60	0.025	27		16.0	On Grade - Private Roadway		
Culvert on Iris Ave	8.78	0.36	3.12	3.12	15.2	5.23	16.3													Culvert under Big Mac Drive		

CURB INLET DESIGN COMPUTATIONS
HEC 12 METHOD

Date: 45519.0
Calculated by: Jordan Jurgens

Project: Dittmer Commercial
Project No. 2022.289.001

LOCATION		DISCHARGE <small>Design Storm = 10 Year</small>													INLET CAPTURE				REMARKS	
Inlet Id.	Drainage Basin Id.	Area (A)	Runoff Coefficient (C)	Time of Concentration (Tc)	Intensity (I)	Direct Runoff cfs	Previous By-Pass	Cross Over	Total Gutter Flow (Q)	Paving Slope (S)	Cross Slope (S _c)	Depth (d)	Curb Height	Gutter Spread (T)	Inlet Type	Opening Length	Efficiency	Intercepted (Q _i)	By-Passed (Q-Q _i)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
		acres		minutes	in/hr		cfs	cfs	cfs	ft/ft	ft/ft	feet	ft	ft		ft		cfs	cfs	
	A9	1.35	0.33	12	5.9	2.6			2.6						18" Grate Inlet	4				Sump Condition - Grass Area
	A8	8.00	0.51	12	5.8	23.8			23.8	0.000	0.030	5.63	0.50	187.8	NDOT Inlet	4	100%	23.8	0.0	Sump Condition - Private Roadway
	A7	0.42	0.92	8	7.0	2.7			2.7	0.000	0.030	0.26	0.50	8.6	NDOT Inlet	4	100%	2.7	0.0	Sump Condition - Parking Lot
	A6	0.71	0.89	9	6.9	4.3			4.3	0.000	0.024	0.35	0.50	14.8	NDOT Inlet	4	100%	4.3	0.0	Sump Condition - Parking Lot
	A5	0.65	0.91	9	6.7	4.0			4.0	0.000	0.030	0.33	0.50	11.2	NDOT Inlet	4	100%	4.0	0.0	Sump Condition - Private Roadway
	A4	0.89	0.87	8	7.1	5.5			5.5	0.000	0.060	0.41	0.50	6.9	NDOT Inlet	4	100%	5.5	0.0	Sump Condition - Parking Lot
C1	A3	0.44	0.76	8	7.0	2.4			2.4	0.025	0.030	0.19	0.50	6.5	NDOT Inlet	8	91%	2.2	0.2	On Grade - Private Roadway



Column 9, Cross Over: This column may utilized to account for additional flow received by the inlet that crossed over from the opposite side of the crown.

Notes:

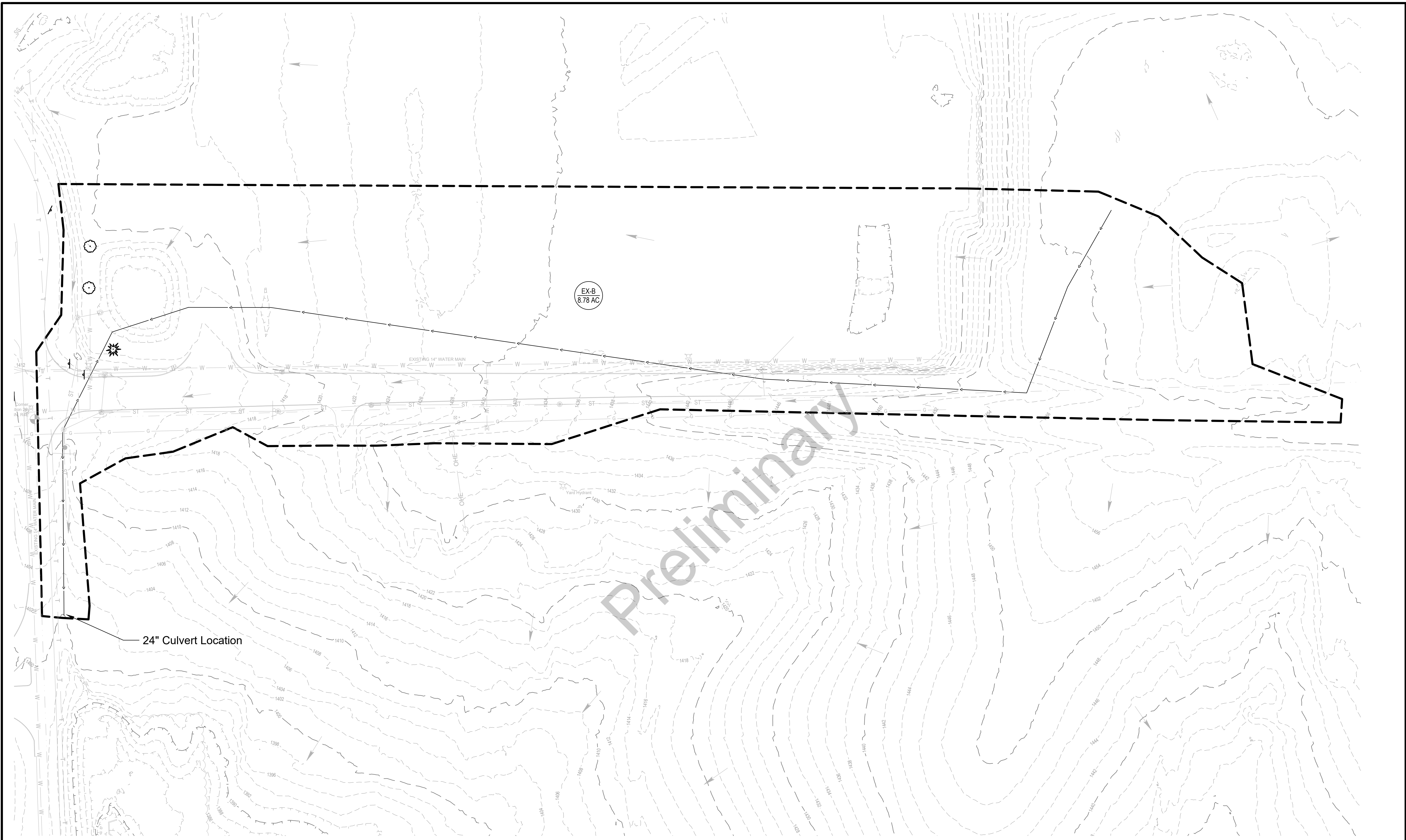
Column 13 - Depth (d) at Gutter Upstream of Inlet

Sheet

1 of 1

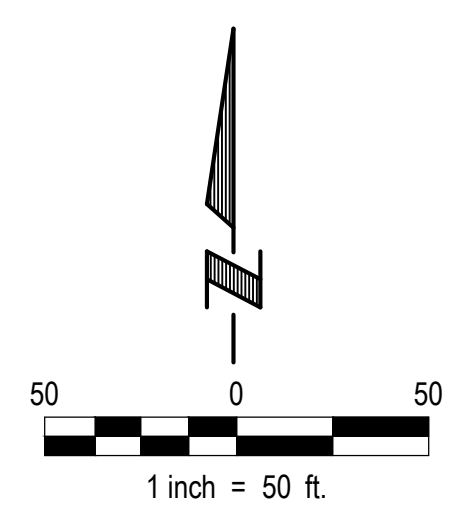
Preliminary

**APPENDIX G:
HY-8 CULVERT ANALYSIS**



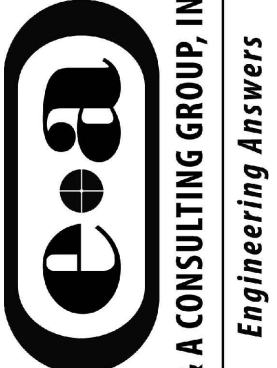
24" Culvert Location

Preliminary



GRADING & EROSION LEGEND

- Property Line
- Adjacent Property Line
- - - Easement
- ▒ Building
- - - 1160 Exist. Major Contours
- - - 1156 Exist. Minor Contours
- 1160 Prop. Major Contours
- 1153 Prop. Minor Contours
- Flow Direction

 <p>E & A CONSULTING GROUP, INC. Engineering • Planning • Environmental & Field Services</p>					
2077 N Street, Suite 400 Lincoln, NE 68510-1068 Phone: 402.420.7217 www.easg.com State of NE Certificate of Authorization #C-00008					
<p>DITTMER COMMERCIAL ADDITION DRAINAGE REPORT</p>					
<p>CRETE, NEBRASKA</p>					
<p>CULVERT DRAINAGE EXHIBIT</p>					
Proj No: 2022.268.001 Date: 08/13/2024 Designed By: RFO Drawn By: JLI Scale: AS SHOWN Sheet: 3 of 3	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Revision</th> <th style="width: 90%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> </tbody> </table> <p style="font-size: x-small; text-align: right;">8/13/2024 10:57 AM K:\Projects\2022\268\001\Engineering\CAD\Site\Drainage\Study\FPE\DRN000.dwg</p>	Revision	Description	1	
Revision	Description				
1					

HY-8 Culvert Analysis Report

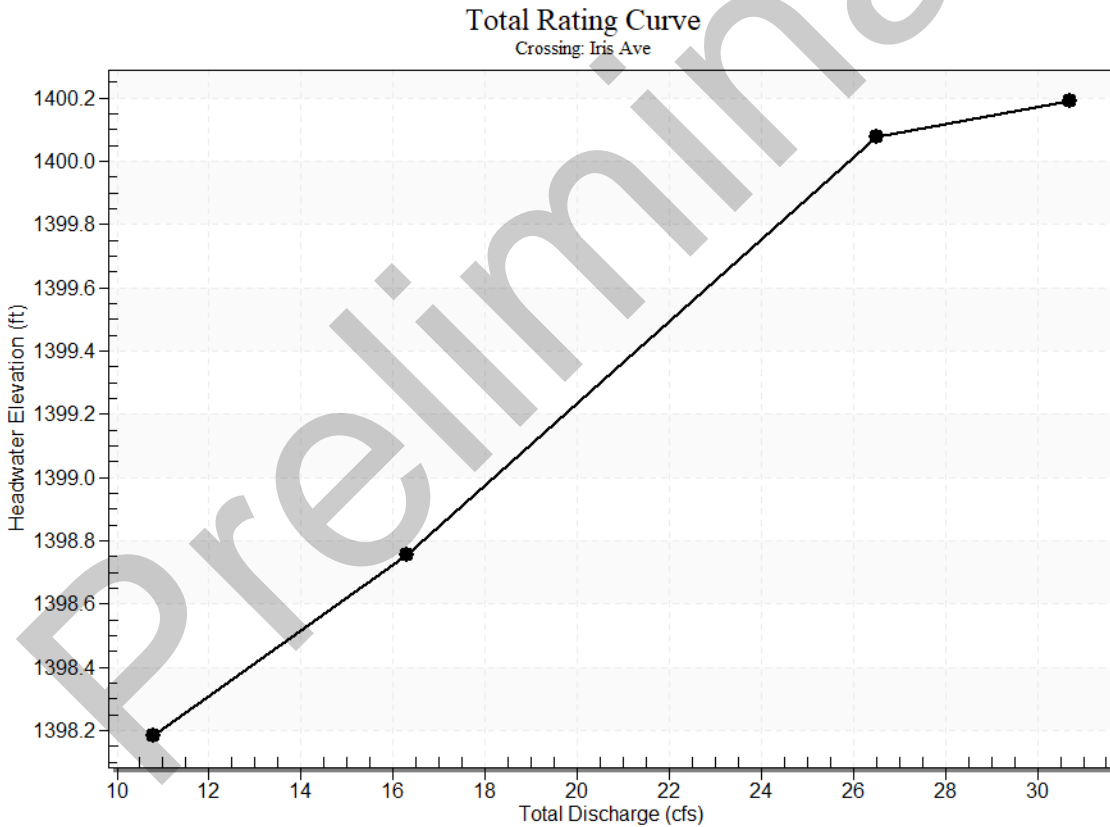
Crossing Discharge Data

Discharge Selection Method: Recurrence

Table 1 - Summary of Culvert Flows at Crossing: Iris Ave

Headwater Elevation (ft)	Discharge Names	Total Discharge (cfs)	Culvert 1 Discharge (cfs)	Roadway Discharge (cfs)	Iterations
1398.18	2 year	10.80	10.80	0.00	1
1398.75	10 year	16.30	16.30	0.00	1
1400.08	50 year	26.50	25.19	1.28	13
1400.19	100 year	30.70	25.79	4.89	6
1400.00	Overtopping	24.75	24.75	0.00	Overtopping

Rating Curve Plot for Crossing: Iris Ave



Culvert Data: Culvert 1

Table 1 - Culvert Summary Table: Culvert 1

Disc	Total	Culv	Head	Inle	Out	Fl	Nor	Crit	Ou	Tail	Outl	Tail
------	-------	------	------	------	-----	----	-----	------	----	------	------	------

Channel Name	Discharge (cfs)	Return Discharge (cfs)	Water Elevation (ft)	Control Depth (ft)	Inlet Control Depth (ft)	Flow Type	Normal Depth (ft)	Actual Depth (ft)	Water Table Depth (ft)	Water Depth (ft)	Velocity (ft/s)	Water Velocity (ft/s)
2 year	10.80 cfs	10.80 cfs	1398.18	1.68	0.0*	1-S2n	0.62	1.18	0.66	0.31	11.92	4.95
10 year	16.30 cfs	16.30 cfs	1398.75	2.25	0.0*	5-S2n	0.77	1.46	0.84	0.40	13.08	5.68
50 year	26.50 cfs	25.19 cfs	1400.08	3.58	0.864	5-S2n	0.98	1.77	1.09	0.53	14.35	6.66
100 year	30.70 cfs	25.79 cfs	1400.19	3.69	0.963	5-S2n	1.00	1.78	1.11	0.57	14.43	6.98

* Full Flow Headwater elevation is below inlet invert.

Culvert Barrel Data

Culvert Barrel Type Straight Culvert

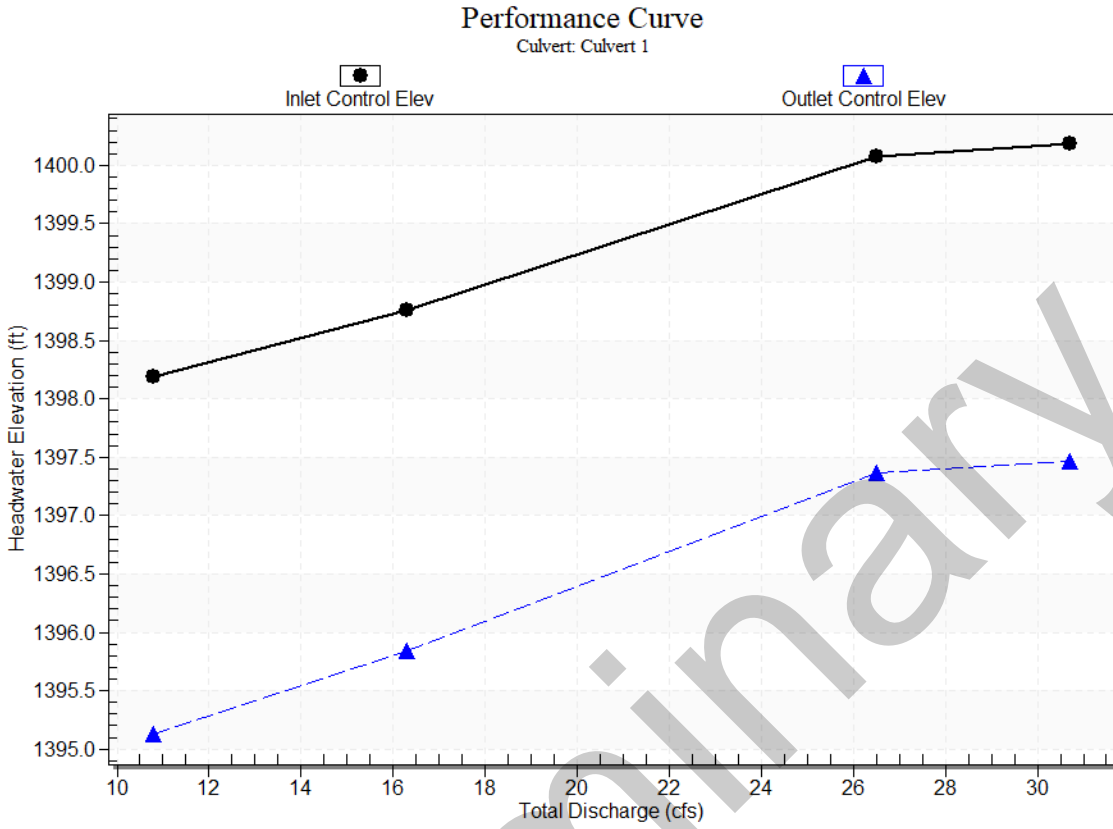
Inlet Elevation (invert): 1396.50 ft,

Outlet Elevation (invert): 1393.60 ft

Culvert Length: 65.06 ft,

Culvert Slope: 0.0446

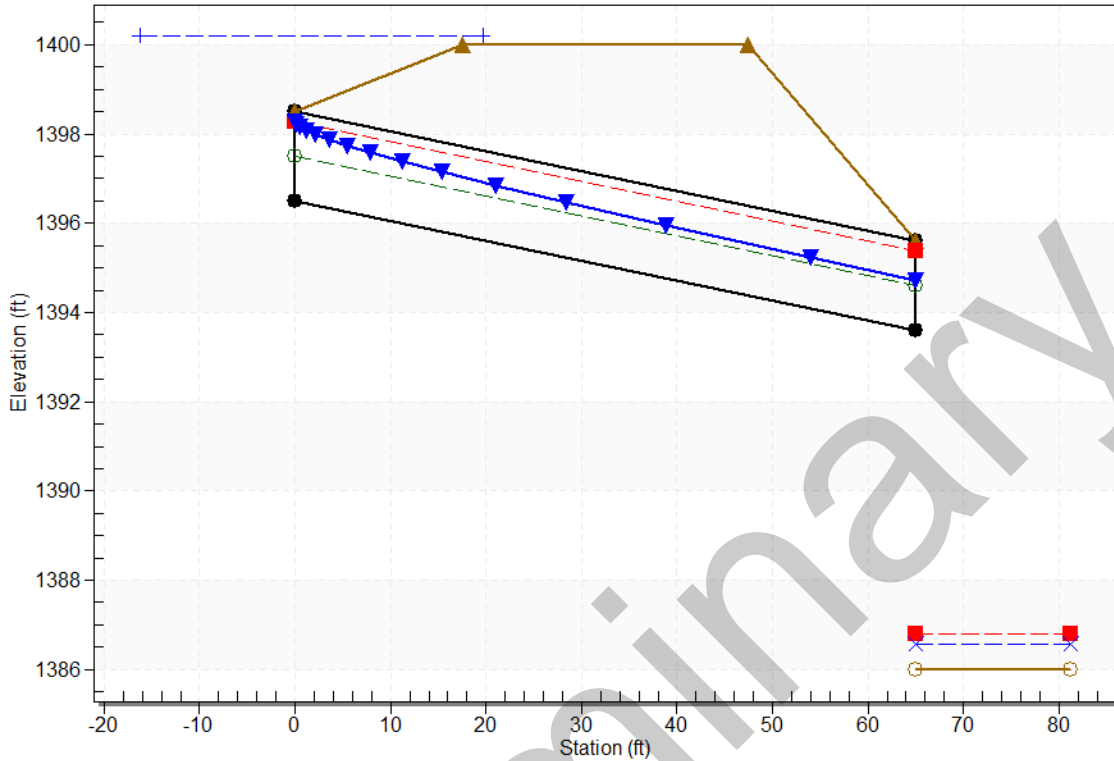
Culvert Performance Curve Plot: Culvert 1



Water Surface Profile Plot for Culvert: Culvert 1

Crossing - Iris Ave, Design Discharge - 30.7 cfs

Culvert - Culvert 1, Culvert Discharge - 25.8 cfs



Site Data - Culvert 1

Site Data Option: Culvert Invert Data

Inlet Station: 0.00 ft

Inlet Elevation: 1396.50 ft

Outlet Station: 65.00 ft

Outlet Elevation: 1393.60 ft

Number of Barrels: 1

Culvert Data Summary - Culvert 1

Barrel Shape: Circular

Barrel Diameter: 2.00 ft

Barrel Material: Concrete

Embedment: 0.00 in

Barrel Manning's n: 0.0120

Culvert Type: Straight

Inlet Configuration: Beveled Edge (1:1) ($K_e=0.2$)

Inlet Depression: None

Tailwater Data for Crossing: Iris Ave

Table 2 - Downstream Channel Rating Curve (Crossing: Iris Ave)

Flow (cfs)	Water Surface Elev (ft)	Velocity (ft/s)	Depth (ft)	Shear (psf)	Froude Number
10.80	1386.31	0.31	4.95	1.96	1.66
16.30	1386.40	0.40	5.68	2.49	1.71
26.50	1386.53	0.53	6.66	3.28	1.78
30.70	1386.57	0.57	6.98	3.56	1.80

Tailwater Channel Data - Iris Ave

Tailwater Channel Option: Trapezoidal Channel

Bottom Width: 6.00 ft

Side Slope (H:V): 3.00 (:1)

Channel Slope: 0.1000

Channel Manning's n: 0.0400

Channel Invert Elevation: 1386.00 ft

Roadway Data for Crossing: Iris Ave

Roadway Profile Shape: Constant Roadway Elevation

Crest Length: 30.00 ft

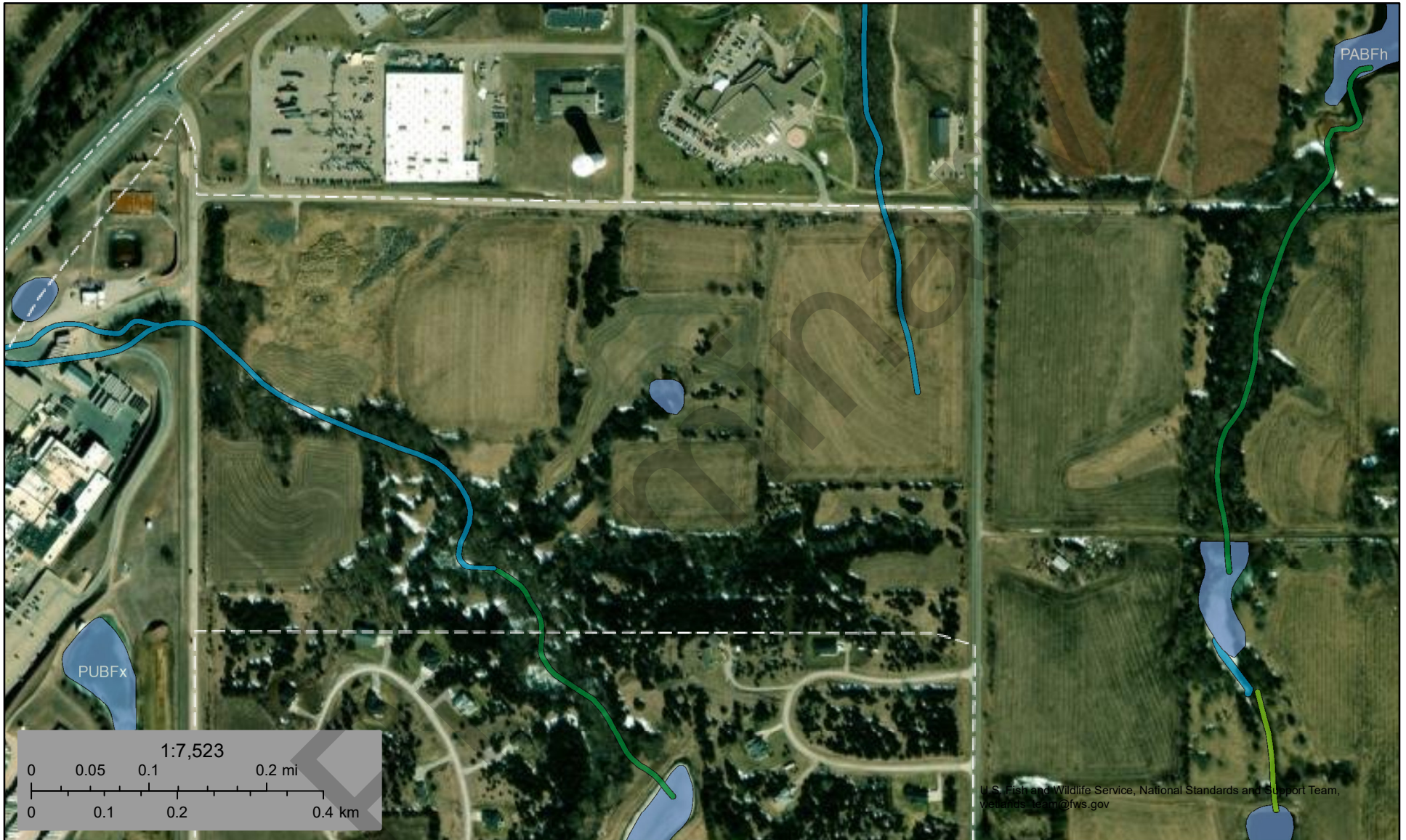
Crest Elevation: 1400.00 ft

Roadway Surface: Paved

Roadway Top Width: 30.00 ft










**APPENDIX H:
NATIONAL WETLAND VIEWER MAP**

Preliminary



August 15, 2024

Wetlands

- | | | | | | |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland |  | Lake |
|  | Estuarine and Marine Wetland |  | Freshwater Forested/Shrub Wetland |  | Other |
|  | Freshwater Pond |  | Riverine |  | Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

DITTMER COMMERCIAL

LEGAL DESCRIPTION OF PRELIMINARY PLAT

A TRACT OF LAND BEING A PART OF OUTLOT 'A', DITTMER ESTATES ADDITION LOCATED IN THE NE1/4 OF SECTION 26, TOWNSHIP 8 NORTH, RANGE 4 EAST OF THE 6TH P.M., CITY OF CRETE, SALINE COUNTY, NEBRASKA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTH 1/4 CORNER OF SAID SECTION 26; THENCE N88°23'54"E (AN ASSUMED BEARING) ALONG THE NORTHERLY LINE OF SAID NE1/4 OF SECTION 26, A DISTANCE OF 673.29 FEET; THENCE S01°36'06"E, A DISTANCE OF 274.48 FEET; THENCE S30°18'46"W, A DISTANCE OF 210.72 FEET; THENCE S02°03'06"E, A DISTANCE OF 212.25 FEET; THENCE S87°56'54"W, A DISTANCE OF 558.32 FEET TO A POINT ON THE WESTERLY LINE OF SAID NE1/4 OF SECTION 26; THENCE N02°03'06"W ALONG THE WESTERLY LINE OF SAID NE1/4 OF SECTION 26, A DISTANCE OF 670.00 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS AN AREA OF 414,194.39 SQUARE FEET OR 9.51 ACRES, MORE OR LESS.


Land Development, Planning and Zoning Application

	QTY	TOTAL	
Subdivision Development			
Application Fee			Crete Municipal Code Article 3 Subdivisions
Preliminary Plat (plus City Attorney Fees)	1	\$200	Crete Municipal Code 11-306.01
Final Plat	1	\$200	Crete Municipal Code 11-306.02
Other Plats			
Subdivision Review and Inspections			City Engineer fees are in addition to listed fees
Recording Fee			
Administrative Subdivision			
Subdivision Review and Inspections			City Municipal Code 11-306.03 Administrative Subdivisions
Recording Fee			
Zoning Change			Crete municipal Code Chapter 11 Article 2
Special Exception			Crete municipal Code Chapter 11-230
Variance Request			Crete Municipal Code 11-213
Comprehensive Plan Amendment			Future Land Use Map, Existing Land Use Map
Total Fees		\$400	City Attorney fees are in addition to listed fees

Owner Information

Name Dittmer & Dittmer, L.L.C. (Ron Dittmer)	Phone 402-641-7740	Email rondittmer@gmail.com
Street Address 1600 W 12th / P.O. Box 283	City Crete	State NE
		Zip 68333
Signature	Application Date	

Applicant Information

Name E & A Consulting Group, Inc. (Rick Onnen)	Phone 402-420-7217	Email ronnen@eacg.com
Street Address 2077 'N' Street, Suite 400	City Lincoln	State NE
		Zip 68510
Signature 	Application Date 8/15/2024	

Description

This preliminary plat application, to be known as Dittmer Commercial, is located at the the southeast corner of Iris Avenue and 29th Street within the city limits of Crete. The property is currently zoned C-1. The proposed subdivision consists of solely commercial property. Detention for the area is shown in the southern portion of the development.

The final plat application, to be known as Dittmer Commercial Addition, is creating 1 commercial lot, 1 outlot for future commercial development and 1 outlot for open space and detention.

Refer to the application letters for more detail on both applications.

Subdivision Development Checklist

Pre Application Meeting Date 3/8/2024 Time 2:00 pm

Planning Commission Meeting Date _____ Time _____ Application Fee

City Council Meeting Date _____ Time _____

- Preliminary Plat physical and digital copies
- Name, Location, Legal description, Date
- Names of Adjoining Properties
- North Point and Graphics Scale
- Roads
- Existing Utilities and sizes
- Name, Location, Legal description, Date
- Proposed Utility System
- Contours at intervals 2' or 5'
- Proposed improvement or grading
- Location of existing buildings
- Proposed Easements, Dedications
- Filing Fees
- Improvement schedule and restrictive covenants
- Notification of County Planning Commission
- Notification of School Board
- Final Plat one original and two mylar copies
- Date, title, Name, Location of Subdivision
- Graphics Scale and North Arrow
- Monuments 1" diameter maximum 30" length
- Dimensions, angles and bearings, legal description of the property
- Names of Adjoining Properties
- Location and dimensions of easements
- Purpose for which sites are dedicated or reserved
- Surveyor Certification as to the accuracy of plat
- Certification signed and acknowledged by all parties holding title
- Certification recording the approval of the Planning Commission
- Certification recording the approval of the City Council
- Detailed Construction plans of all required public improvements approved by and engineer
- Posted bond or certified check to the City of Crete in sufficient amount to complete the required improvements as approved by and engineer

Administrative Subdivision Checklist

Pre Application Meeting Date _____ Time _____

City Council Meeting Date _____ Time _____ Application Fee

- Name
- Date
- Title
- Location
- Names of abutting streets
- New lots, block numbers, setback lines
- Graphic Scale and true North Point
- Monuments
- Dimensions
- Legal description
- Certification
- Signed by all parties holding Title
- Protective covenants
- Have owners requested annexation
- Utility easements shown
- Final Plat Original & 2 Mylar's

Zoning Change or Comprehensive Plan Amendment

Pre Application Meeting Date _____ Time _____ Scaled Survey Drawing

Publish and Post Date _____ Time _____ Application Fee

Planning Commission Meeting Date _____ Time _____

City Council Meeting Date _____ Time _____

Parcel # and Current Zoning _____ Requested Zoning _____

Special Exception Request

Pre Application Meeting Date _____ Time _____ Application Fee

City Council Meeting Date _____ Time _____



E & A CONSULTING GROUP, INC.

Engineering Answers

2077 N St, Ste 400 | Lincoln, NE 68510
402.420.7217
eacg.com

August 23, 2024

Mr. Tom Ourada
City Administrator
City of Crete
243 East 13th Street
Crete, NE 68333

RE: DITTMER COMMERCIAL – Preliminary Plat
E & A File: P2022.289.001

Dear Tom,

With the comments received from and the discussions with the City of Crete staff, we are submitting a revision to the variances being requested. The following reflects the revisions also made to the preliminary plat drawings which are also being submitted for reference.

Variances being requested:

1. To allow private roadways within the development.
(Article 3 Subdivision Regulations, 11-307, (12))
2. To allow cross parking to meet required parking requirements within Lots 2 through 7.
(Article 5 Supplementary Regulations, 11-508, (2)(c))
3. To allow the sidewalk and street trees along the east side of Iris Avenue between 29th Street and Big Mac Drive to be located outside of the street right-of-way and within a pedestrian and landscape easement on Lot 1.
(Article 5 Supplementary Regulations, 11-524, (2)(b) and (c))
4. To allow the sidewalk along the south side Big Mac Drive, adjacent to Outlot A, not to be installed until such time as Outlot A is developed or the City of Crete determines necessary.
(Article 5 Supplementary Regulations, 11-524, (2)(b))
5. To allow the sidewalk and street trees along the east side of Iris Avenue, adjacent to Outlot A, not to be installed until such time as Outlot A or the property south of Outlot A is developed or at such time as the City of Crete determines necessary.
(Article 5 Supplementary Regulations, 11-524, (2)(b) and (c))

To the set of drawings, a street tree plan has been added showing street trees along the private roadways and public streets.

Please contact us if you have questions or require additional information.

Sincerely,
E & A CONSULTING GROUP, INC.

Richard Onnen
Project Manager

Cc: Ron Dittmer

RESOLUTION NO. 2024-18

A RESOLUTION OF THE CITY OF CRETE, NEBRASKA AUTHORIZING THE MAYOR TO SIGN AN APPLICATION FOR COMMUNITY DEVELOPMENT BLOCK GRANT FUNDS FOR ROAD CONSTRUCTION AND RECONSTRUCTION

WHEREAS, the City of Crete (“City”), a municipal corporation, is an eligible unit of general local government authorized to file an application under the Housing and Community Development Act of 1974 as amended for the Small Cities Community Development Block Grant Program; and

WHEREAS, the City of Crete, Nebraska, has obtained its citizens’ comments on community development and housing needs; and has conducted public hearing(s) upon the proposed application and received favorable public comment upon the proposed application and received favorable public comment respecting the application which for an amount of \$480,000 for the purpose of road construction along 21st Street between Norman and Oak Avenue; Oak Avenue between 20th and 21st Street; and Oak Avenue between 21st and 22nd Street.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF CRETE, NEBRASKA:

That the Mayor, David Bauer, be authorized to proceed with the formulation of any and all contracts, documents or other memoranda between the City of Crete and the Nebraska Department of Economic Development so as to effect acceptance of the grant application.

PASSED AND APPROVED this 3rd day of September, 2024.

Mayor

ATTEST:

City Clerk



Application for a Permit to Occupy City of Crete Right-of-Way (Rev. 2, 11-2015)

I Matt Stall (Black Hills Energy) hereby request to occupy City of Crete Right-of-
Name

Way at Boswell Avenue & East 24th St with a device or structure.
Address

Description of structure or device:

2" PE Gas Main Running along the west side of Boswell, North up to the Nestle Building
Relocating due to conflicts on the Paving project on Boswell Avenue. Work to be started 9/3/24

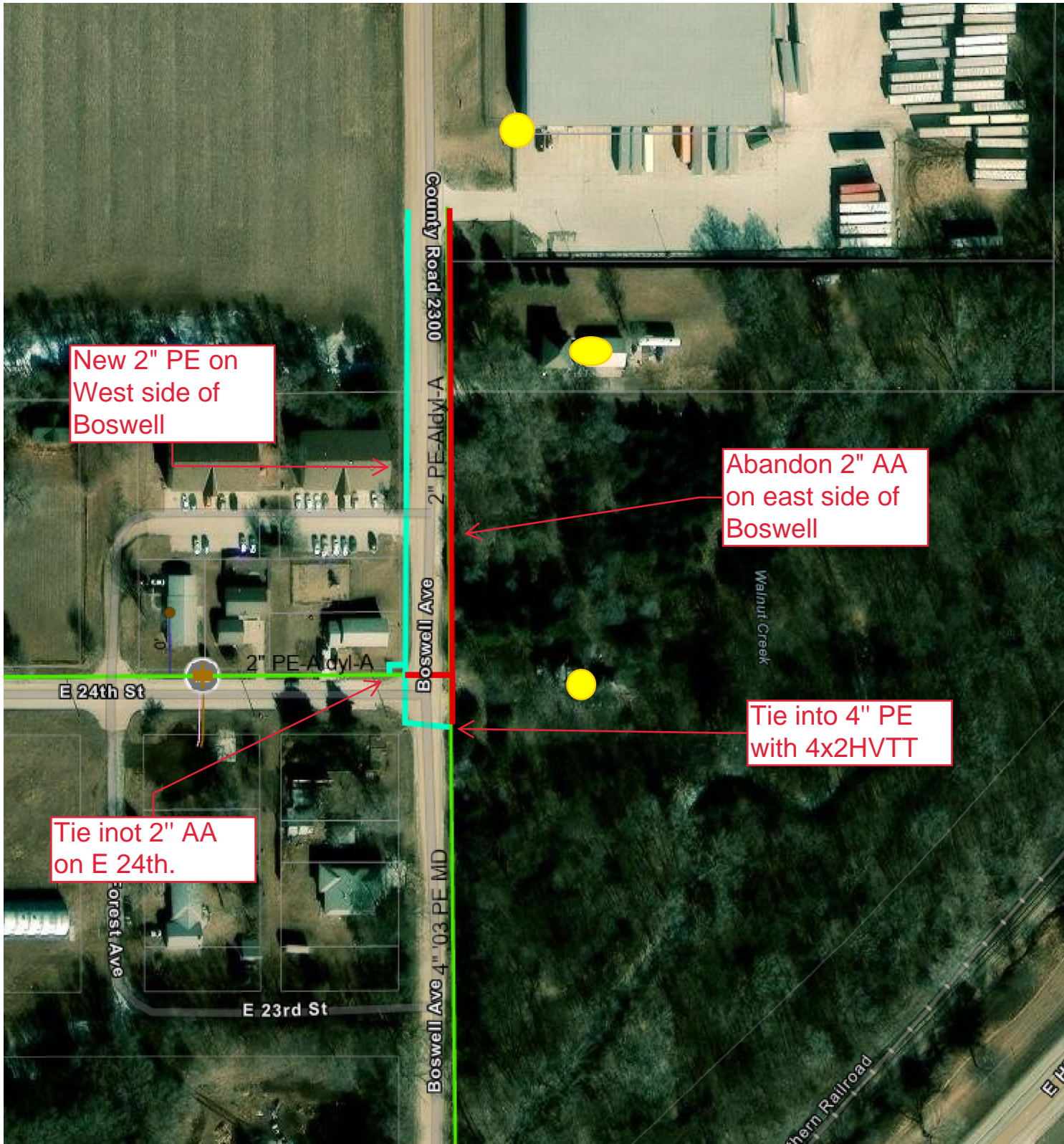
- Diagram, or print included?
- Necessary permits and licenses obtained? Insurance? County has granted us permission to relocate.
- Approved by the Public Works Director _____ Date: _____

Note:

- 1) All applicants to occupy public right-of-way understand and agree that if, for any reason, the City or its agents require access; the obstruction shall be moved at the applicant's expense.
- 2) Any items approved for placement in the right-of-way shall be held to the building or property line as closely as possible.
- 3) If this is a 3rd party utility type project, all affected property owners shall be notified prior to the beginning of project by the project owner, or the project's contractor.
- 4) City Council approval is required for large projects (more than one property involved, or utility oriented projects).
- 5) All requests to occupy right-of-way must include a detailed sketch, print, or drawing with dimensions with respect to property lines, paving, curbs etc....
- 6) If this application is for underground sprinkler systems, a print or drawing of the system including location of lines and heads with measurements listed must accompany the application. Additionally, the applicant may be required to provide proof of proper permits to install, plumb, and provide backflow protection for said underground sprinkler systems.
- 7) Application for a permanent structure deemed to be a traffic or public safety hazard or which limit visibility will be denied.
- 8) An application shall be approved before any construction or installation is allowed to begin.

Matt Stall (BHE)
Signature of Applicant

08/27/24
Date of Application



New 2" PE on West side of Boswell

Abandon 2" AA on east side of Boswell

Tie into 4" PE with 4x2HVTT

Tie into 2" AA on E 24th.

County Road 2300

2" PE-Aldy-A

Boswell Ave

Boswell Ave 4" '03 PE MD

E 24th St

2" PE Aldyl-A

Forest Ave

E 23rd St

Walnut Creek

thern Railroad

E H



**AGREEMENT
BETWEEN OWNER AND ENGINEER
FOR
PROFESSIONAL SERVICES**

THIS IS AN AGREEMENT effective as of the date signed by the Owner (“Effective Date”) between City of Crete (“Owner”) and JEO Consulting Group, Inc. (“Engineer”).

Owner’s project, of which Engineer’s services under this Agreement are a part, is generally identified as follows:

Crete Walnut Creek Sewer Repair. JEO Project No. 241729.00

Owner and Engineer further agree as follows:

ARTICLE 1 - SERVICES OF ENGINEER

1.01 Scope

A. Engineer shall provide, or cause to be provided, the services set forth herein and in Exhibit A.

ARTICLE 2 - OWNER’S RESPONSIBILITIES

2.01 Owner Responsibilities

A. Owner responsibilities are outlined in Section 3 of Exhibit B.

ARTICLE 3 - Compensation

3.01 Compensation

A. Owner shall pay Engineer as set forth in Exhibit A and per the terms in Exhibit B.

B. The fee for the Project is:

Preliminary Design:	\$ 22,000.00	Lump Sum
Final Design:	\$ 14,000.00	Lump Sum
Bidding and Negotiation:	\$ 4,000.00	Lump Sum
Construction Administration:	\$ 6,000.00	Lump Sum
Construction Observation [RPR]:	\$ 5,000.00	Hourly (30 Hours Estimated)*
Total Estimated Fee:	\$ 51,000.00	

* Engineer’s estimate of the amount that will become payable are only estimates for planning purposes, are not binding on the parties, and are not the minimum or maximum amounts payable to Engineer under the Agreement.

When nearing estimated compensation amounts stated herein and it subsequently

becomes apparent to Engineer that the total compensation amount estimated will be exceeded, Engineer shall give Owner written notice thereof. Should the Owner determine services shall be reduced or concluded to keep budget close to the estimate, Owner shall notify Engineer and Engineer shall reduce or conclude services accordingly. If Engineer exceeds the total estimated amount before Owner notifies the Engineer, the Engineer shall be paid for all services rendered up to being notified.

- C. The Standard Hourly Rates Schedule shall be adjusted annually (as of approximately January 1st) to reflect equitable changes in the compensation payable to Engineer. The current hourly rate schedule can be provided upon request.

ARTICLE 4 - EXHIBITS AND SPECIAL PROVISIONS

4.01 Exhibits

Exhibit A – Scope of Services
Exhibit B – General Conditions

5.02 Total Agreement

- A. This Agreement (consisting of pages 1 to 2 inclusive, together with the Exhibits identified as included above) constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

Owner: City of Crete

Engineer: JEO Consulting Group, Inc.



By: _____

By: Dane Simonsen, PE

Title: _____

Title: Senior Project Manager

Date Signed: _____

Date Signed: July 31, 2024

Address for giving notices:

Address for giving notices:

City Hall

JEO Consulting Group, Inc.

243 E13th Street

2000 Q Street, Suite 500

Crete NE, 68333

Lincoln, NE 68503

SCOPE OF SERVICES

PROJECT DESCRIPTION:

A sanitary sewer aerial crossing of the Walnut Creek was damaged previously and requires repairs. The existing crossing consists of an 8” ductile iron pipe that is approximately 11’ above the flow line of walnut creek that was supported by 2 concrete pillar type supports. During a previous rain event, one of the concrete supports failed and caused the sanitary sewer to become displaced. This project will replace the pipe supports with steel driven H piles or steel pipe pile.

The work to be performed by the Engineer shall include a preliminary evaluation, survey, technical specifications and drawings detailing the work, development of contract documents, permitting, as well as bidding and construction phase services.

The sanitary sewer aerial crossing will be constructed by a Contractor under a separate construction contract with Crete, which will be awarded through a formal bidding process.

BASIC SERVICES [LUMP SUM]

PROJECT MANAGEMENT PHASE:

Project Management:

- A. Provide project management oversight over all facets and phases of the project. Project management shall include the following services:
 - a. Coordination of design disciplines including facilitating communication and transfer of documents between disciplines to minimize errors in the plans and specifications as well as ensure a timely project design.
 - b. Provide timely and coordinated communication to and from the Owner for requests for information, providing progress updates, scheduling meetings, and receiving and providing feedback.
 - c. Provide oversight, monitor staff, and ensure proper staffing levels are maintained to ensure scope of services and schedule are met.
 - d. Work with design disciplines to identify potential risks and how to mitigate those risks.
 - e. Review billed hours by design team and prepare invoice statements for Owner.

PRELIMINARY DESIGN PHASE:

30% Design Process:

- A. Attend and facilitate a project kickoff meeting with Owner to review the project scope, schedule, and requirements. **[1 Meeting]**
- B. Review information provided by the Owner showing the existing sanitary sewer infrastructure to be replaced.
- C. Following confirmation by the Owner of the sanitary sewer infrastructure to be replaced, a boundary and topographic survey of the project site will be completed. The boundary and topographic survey to include:
 - a. Utility locates within the project area
 - b. Vertical and horizontal control for the project area

Exhibit A – Crete Walnut Creek Sewer Repair

- c. Topographic survey to determine site features
 - d. Creation of electronic drawing of property boundaries, elevations, site features, and existing utilities
 - D. Following the confirmation by the Owner of the sanitary sewer infrastructure to be replaced, a wetland delineation will be completed for the project area and a wetland delineation report will be prepared summarizing the findings.
 - a. Prior to conducting field work, identify potential WOTUS, including wetlands, in the study area by researching publicly available data and resources including, but not limited to current and historic aerial imagery, National Wetlands Inventory, National Hydrography Dataset, hydric soils, topography, and/or floodplains.
 - b. Conduct a site visit to delineate all potential WOTUS, including wetlands, in the study area. The on-site wetland delineation will be conducted in accordance with the 1987 USACE Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (Version 2.0).
 - c. Information pertaining to vegetation, soils, and hydrology will be collected at paired data points (e.g., one wetland and one upland), with at least one set of paired data points for each aquatic resource observed on-site. Boundaries of all aquatic resources identified on-site will be recorded in the field using a hand-held GPS with sub-meter accuracy (e.g., Trimble DA2 and FieldMaps for ArcGIS).
 - d. Upon completion of the site visit, JEO analyze and compile the field data into a wetland delineation report that will detail findings and identify potential WOTUS, including wetlands, located in the study area. The wetland delineation report will include the following:
 - i. Project site location.
 - ii. Summary of desktop review.
 - iii. Identification and mapping of boundaries for all recorded WOTUS, including wetlands.
 - iv. Identification of the types of WOTUS, including wetlands, present on-site (i.e., Cowardin classification and Nebraska Wetland Subclass).
 - v. Photographs of each sample point and all WOTUS, including wetlands.
 - vi. USACE Wetland Determination Data Forms.
- E. If project activities are anticipated to impact delineated WOTUS, JEO will prepare a permit application package to obtain Section 404 authorization via a Nationwide Permit (NWP). Although it is anticipated that permanent, unavoidable impacts to waters of the U.S. (WOTUS) would be less than 0.1 acre total and less than 0.03 acre of stream channel at the site, thus avoiding the requirement for compensatory mitigation, this is subject to change based on project design. If permanent, unavoidable impacts to WOTUS exceed 0.1 acre or 0.03 acre of stream channel, thereby requiring compensatory mitigation, this task will require additional services.
- F. Prepare floodplain development permit and no-rise determination using the effective hydraulic model for that tributary is attainable from DNR.
- G. Prepare 30% drawings for the selected water and sanitary sewer alignment. The 30% drawings to include the following:
 - a. Project Location Map
 - b. Site Map with Property Boundaries
 - c. Sanitary Sewer Plan Sheets
 - d. Structural Support Details

Exhibit A – Crete Walnut Creek Sewer Repair

- H. Conduct an internal 30% QA/QC of the project documents and incorporate necessary revisions.
- I. Provide 30% drawings and opinion of probable construction cost to Owner in advance of 30% design review meeting.

FINAL DESIGN PHASE:

60% Design Process:

- A. Revise drawings following receipt of 30% review comments from internal QA/QC.
- B. Prepare 60% drawings, technical specifications, and opinion of probable cost. The 60% drawings to include the following:
 - a. Cover Sheet
 - b. Abbreviation Sheet
 - c. Project Location Sheet
 - d. Control Sheet
 - e. Sanitary Sewer Plan and Profile Sheets
 - f. Structural Support Detail Sheets
 - g. Details Sheet(s)
- C. Conduct an internal 60% QA/QC of the project documents and incorporate necessary revisions.
- D. Provide 60% drawings, technical specifications, and opinion of probable construction cost to Owner for review.
- E. Attend and facilitate a 60% design review meeting, including plan-in-hand review at the project site, with the Owner.
- F.

90% Design Process:

- J. Revise project documents following receipt of 60% review comments from internal QA/QC and comments from 60% design review by Owner.
- K. Prepare 90% drawings, technical specifications, contract documents, and opinion of probable cost. The 90% drawings to include the following:
 - a. Cover Sheet
 - b. Abbreviation Sheet
 - c. Project Location Sheet
 - d. Control Sheet
 - e. Sanitary Sewer Plan and Profile Sheets
 - f. Structural Support Detail Sheets
 - g. Details Sheet(s)
- L. Conduct an internal 90% QA/QC of the project documents and incorporate necessary revisions.
- M. Provide 90% drawings, technical specifications, contract documents, and opinion of probable construction cost to Owner in advance of 90% design review meeting.
- N. Attend and facilitate a 90% design review meeting with Owner to review project documents and details.

Design Finalization:

- A. Revise project documents following receipt of 90% review comments from internal QA/QC and comments from 90% design review meeting with Owner.

Exhibit A – Crete Walnut Creek Sewer Repair

- B. Prepare 100% plans, technical specifications, contract documents, and opinion of probable cost.
- C. Conduct an internal final QA/QC of the project documents and incorporate necessary revisions.
- D. Provide 100% drawings, specifications, contract documents, and opinion of probable construction cost to Owner.
- E. Create final drawings and specification package and sign and seal by engineers and a coordinating professional all registered in the State of Nebraska.
- F. Following confirmation from the Owner, submit final drawings and specifications for review, approval, and issuance of a floodplain permit. Owner to pay all review fees.
- G. Prepare and submit a Pre-Construction Notification (i.e., permit application) package to the U.S. Army Corps of Engineers (USACE) to obtain Section 404 authorization via a Nationwide Permit (NWP). It is anticipated that permanent, unavoidable impacts to waters of the U.S. (WOUS) would be less than 0.1 acres, avoiding the requirement for compensatory mitigation. If permanent, unavoidable impacts to WOUS exceed 0.1 acre this task may require additional services.

BIDDING AND NEGOTIATION PHASE:

- A. Furnish copies of plans, specifications, and contract documents of the project to prospective bidders, material suppliers, and other interested parties upon their request and payment of the purchase cost established for the documents.
- B. Respond to inquiries from prospective bidders and prepare any addenda required.
- C. Assist the Owner in securing construction bids for the project.
- D. Assist the Owner at the bid opening.
- E. Tabulate and analyze construction bids and report on them to the Owner, together with advice and assistance to the Owner in award of construction contract.
- F. Prepare and submit necessary information to the Owner for project award approval.
- G. Prepare contract documents for execution by Contractor and the Owner, and approval Owner and Owner's legal and insurance counsel.

CONSTRUCTION ADMINISTRATION PHASE:

The lump sum fee for these services assumes a 12-week construction schedule that takes place in 2024/2025.

- A. Schedule and conduct a pre-construction meeting. **[1 Meeting]**
- B. Assist the Owner with securing quotes for a geotechnical engineer to complete soil and concrete testing.
- C. Review soil and concrete testing results, as needed. Testing costs to be paid for by Owner.
- D. Review sanitary sewer main testing results provided by the Contractor as required by the contract documents.
- E. Provide interpretation of the plans and specifications, when necessary.
- F. Review shop drawings and related data supplied by the Contractor.
- G. Provide horizontal and vertical control and survey staking for the sanitary sewer replacement. Staking shall be limited to one trip.
- H. Review Contractor's payment estimates and provide to Owner for review and approval.

Exhibit A – Crete Walnut Creek Sewer Repair

- I. Review change orders, if necessary, and provide to Owner for review and approval.
- J. Consult with and advise Owner during construction.
- K. Conduct a final inspection of project with the Contractor and Owner.
- L. Compile record drawings.
- M. Recommend to the Owner the acceptance of the project and complete the necessary certificates.
 - a. These recommendations will be based on the Engineer’s observation of construction utilizing professional judgment and accepted tests to determine that the Contractor has completed their contracts in substantial compliance with the plans, specifications and contract documents.
 - b. Final acceptance documentation may be the final pay application.

BASIC SERVICES [HOURLY]

CONSTRUCTION OBSERVATION PHASE:

The hourly fee for these services assumes 2 weeks of active construction and part-time inspection of 15 hours per week on average. It is assumed that construction will take place in 2024/2025.

- A. JEO will furnish a part-time Resident Project Representative [RPR] to observe construction progress and quality of the work.
- B. The duties and responsibilities of the RPR are described as follows:
 - a. Review of contractors work for general compliance with the plans and specifications.
 - b. Complete Construction Observation Reports when on site.
 - c. Coordinate pay quantities with Contractor and Engineer.
 - d. Review of materials delivered to the site for specification compliance.
 - e. Assist the Engineer in providing interpretation of the plans and specifications to the Contractor.
 - f. Review and coordinate materials testing by assigned testing firm, if applicable.
 - g. Compile records for use in preparing record drawings.

ESTIMATED TIME FRAME:

- A. Preliminary Design Phase: 45 Days from Signed Contract
- B. Final Design Phase: 30 Days from 30% Design Review Meeting
- C. Bidding and Negotiation Phase: 45 Days from Date of Advertisement
- D. Construction Administration Phase: Concurrent with Construction
- E. Construction Observation Phase: Concurrent with Construction

ADDITIONAL SERVICES [NOT INCLUDED, BUT CAN BE INCLUDED UPON REQUEST]:

- A. Identification and/or evaluation of additional sanitary sewer alignments or replacement alternatives are excluded from the scope of services.
- B. The modeling of the existing sanitary sewer collection system is excluded from the scope of services.

Exhibit A – Crete Walnut Creek Sewer Repair

- C. Geotechnical borings and/or geotechnical report is excluded from the scope of services. It is anticipated that the Contractor will be responsible for verifying geotechnical conditions.
- D. Geotechnical testing is excluded from the scope of services. JEO to assist with soliciting proposals from geotechnical testing firms, if desired.
- E. Purchase of title reports, preparation of purchase/easement agreements, and/or negotiation and payment to property owners is excluded from the scope of services.
- F. Preparation of a Storm Water Pollution Prevention Plan [SWPPP] and submittal of permit application to NDEE is excluded from the scope of services.
- G. US Army Corps of Engineers [USACE] Section 404 compensatory mitigation is excluded from the scope of services. It is assumed that less than 0.1 acres of wetlands will be impacted.
- H. Biological surveys and/or threatened and endangered species surveys, including compliance with agency requests, is excluded from the scope of services.
- I. The payment of any review and/or permitting fees are excluded from the scope of services.
- J. Any meetings not outlined in the scope of services are excluded from the scope of services.

JEO Consulting Group, Inc. GENERAL CONDITIONS

1. SCOPE OF SERVICES: JEO Consulting Group, Inc. (JEO) shall perform the services described in Exhibit A. JEO shall invoice the owner for these services at the fee stated in Exhibit A.

2. ADDITIONAL SERVICES: JEO can perform work beyond the scope of services, as additional services, for a negotiated fee or at fee schedule rates.

3. OWNER RESPONSIBILITIES: The owner shall provide all criteria and full information as to the owner's requirements for the project; designate and identify in writing a person to act with authority on the owner's behalf in respect to all aspects of the project; examine and respond promptly to JEO's submissions; and give prompt written notice to JEO whenever the owner observes or otherwise becomes aware of any defect in work.

Unless otherwise agreed, the owner shall furnish JEO with right-of-access to the site in order to conduct the scope of services. Unless otherwise agreed, the owner shall also secure all necessary permits, approvals, licenses, consents, and property descriptions necessary to the performance of the services hereunder. While JEO shall take reasonable precautions to minimize damage to the property, it is understood by the owner that in the normal course of work some damage may occur, the restoration of which is not a part of this agreement.

4. TIMES FOR RENDERING SERVICES: JEO's services and compensation under this agreement have been agreed to in anticipation of the orderly and continuous progress of the project through completion. Unless specific periods of time or specific dates for providing services are specified in the scope of services, JEO's obligation to render services hereunder shall be for a period which may reasonably be required for the completion of said services.

If specific periods of time for rendering services are set forth or specific dates by which services are to be completed are provided, and if such periods of time or date are changed through no fault of JEO, the rates and amounts of compensation provided for herein shall be subject to equitable adjustment. If the owner has requested changes in the scope, extent, or character of the project, the time of performance of JEO's services shall be adjusted equitably.

5. INVOICES: JEO shall submit invoices to the owner monthly for services provided to date and a final bill upon completion of services. Invoices are due and payable within 30 days of receipt. Invoices are considered past due after 30 days. Owner agrees to pay a finance charge on past due invoices at the rate of 1.0% per month, or the maximum rate of interest permitted by law.

If the owner fails to make any payment due to JEO for services and expenses within 30 days after receipt of JEO's statement, JEO may, after giving 7 days' written notice to the owner, suspend services to the owner under this agreement until JEO has been paid in full all amounts due for services, expenses, and charges.

6. STANDARD OF CARE: The standard of care for all services performed or furnished by JEO under the agreement shall be the care and skill ordinarily used by members of JEO's profession

practicing under similar circumstances at the same time and in the same locality. JEO makes no warranties, express or implied, under this agreement or otherwise, in connection with JEO's services.

JEO shall be responsible for the technical accuracy of its services and documents resulting therefrom, and the owner shall not be responsible for discovering deficiencies therein. JEO shall correct such deficiencies without additional compensation except to the extent such action is directly attributable to deficiencies in owner furnished information.

7. REUSE OF DOCUMENTS: Reuse of any materials (including in part plans, specifications, drawings, reports, designs, computations, computer programs, data, estimates, surveys, other work items, etc.) by the owner on a future extension of this project, or any other project without JEO's written authorization shall be at the owner's risk and the owner agrees to indemnify and hold harmless JEO from all claims, damages, and expenses including attorney's fees arising out of such unauthorized use.

8. ELECTRONIC FILES: Copies of Documents that may be relied upon by the owner are limited to the printed copies (also known as hard copies) that are signed or sealed by JEO. Files in electronic media format of text, data, graphics, or of other types that are furnished by JEO to the owner are only for convenience of the owner. Any conclusion or information obtained or derived from such electronic files shall be at the user's sole risk.

a. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it shall perform acceptance tests or procedures within 30 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 30 day acceptance period shall be corrected by the party delivering the electronic files. JEO shall not be responsible to maintain documents stored in electronic media format after acceptance by the owner.

b. When transferring documents in electronic media format, JEO makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by JEO at the beginning of the project.

c. The owner may make and retain copies of documents for information and reference in connection with use on the project by the owner.

d. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

e. Any verification or adaptation of the documents by JEO for extensions of the project or for any other project shall entitle JEO to further compensation at rates to be agreed upon by the owner and JEO.

9. SUBCONSULTANTS: JEO may employ consultants as JEO deems necessary to assist in the performance of the services. JEO shall not be required to employ any consultant unacceptable to JEO.

10. INDEMNIFICATION: To the fullest extent permitted by law, JEO and the owner shall indemnify and hold each other harmless



**JEO Consulting Group, Inc.
GENERAL CONDITIONS**

and their respective officers, directors, partners, employees, and consultants from and against any and all claims, losses, damages, and expenses (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) to the extent such claims, losses, damages, or expenses are caused by the indemnifying parties' negligent acts, errors, or omissions. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of JEO and the owner, they shall be borne by each party in proportion to its negligence.

11. INSURANCE: JEO shall procure and maintain the following insurance during the performance of services under this agreement:

- a. Workers' Compensation: Statutory
- b. Employer's Liability
 - i. Each Accident: \$500,000
 - ii. Disease, Policy Limit: \$500,000
 - iii. Disease, Each Employee: \$500,000
- c. General Liability
 - i. Each Occurrence (Bodily Injury and Property Damage): \$1,000,000
 - ii. General Aggregate: \$2,000,000
- d. Auto Liability
 - i. Combined Single: \$1,000,000
- e. Excess or Umbrella Liability
 - i. Each Occurrence: \$1,000,000
 - ii. General Aggregate: \$1,000,000
- f. Professional Liability:
 - i. Each Occurrence: \$1,000,000
 - ii. General Aggregate: \$2,000,000
- g. All policies of property insurance shall contain provisions to the effect that JEO and JEO's consultants' interests are covered and that in the event of payment of any loss or damage the insurers shall have no rights of recovery against any of the insureds or additional insureds thereunder.
- h. The owner shall require the contractor to purchase and maintain general liability and other insurance as specified in the Contract Documents and to cause JEO and JEO's consultants to be listed as additional insured with respect to such liability and other insurance purchased and maintained by the contractor for the project.
- i. The owner shall reimburse JEO for any additional limits or coverages that the owner requires for the project.

12. TERMINATION: This agreement may be terminated by either party upon 7 days prior written notice. In the event of termination, JEO shall be compensated by owner for all services performed up to and including the termination date. The effective date of termination may be set up to thirty (30) days later than otherwise provided to allow JEO to demobilize personnel and equipment from the site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble project materials in orderly files.

13. GOVERNING LAW: This agreement is to be governed by the law of the state in which the project is located.

14. SUCCESSORS, ASSIGNS, AND BENEFICIARIES: The owner and JEO each is hereby bound and the partners, successors, executors,

administrators and legal representatives of the owner and JEO are hereby bound to the other party to this agreement and to the partners, successors, executors, administrators and legal representatives (and said assigns) of such other party, with respect to all covenants, agreements and obligations of this agreement.

a. Neither the owner nor JEO may assign, sublet, or transfer any rights under or interest (including, but without limitation, monies that are due or may become due) in this agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment shall release or discharge the assignor from any duty or responsibility under this agreement.

b. Unless expressly provided otherwise in this agreement: Nothing in this agreement shall be construed to create, impose, or give rise to any duty owed by the owner or JEO to any contractor, contractor's subcontractor, supplier, other individual or entity, or to any surety for or employee of any of them.

c. All duties and responsibilities undertaken pursuant to this agreement shall be for the sole and exclusive benefit of the owner and JEO and not for the benefit of any other party.

15. PRECEDENCE: These standards, terms, and conditions shall take precedence over any inconsistent or contradictory language contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document regarding JEO's services.

16. SEVERABILITY: Any provision or part of the agreement held to be void or unenforceable shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the owner and JEO, who agree that the agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

17. NON-DISCRIMINATION CLAUSE: Pursuant to Neb. Rev. Stat. § 73-102, the parties declare, promise, and warrant that they have and will continue to comply fully with Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C.A § 1985, et seq.) and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. § 48-1101, et seq., in that there shall be no discrimination against any employee who is employed in the performance of this agreement, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

18. E-VERIFY: JEO shall register with and use the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee pursuant to the Immigration Reform and Control Act of 1986, to determine the work eligibility status of new employees physically performing services within the state where the work shall be performed. Engineer shall require the same of each consultant.





CITY OF CRETE
APPLICATION FOR SPECIAL EVENT PERMIT

Event Title: CRETE'S GREAT PUMPKIN FESTIVAL

Date of Event 10-6-24

Start Time of Event 12:00 PM (SETUP 7:00AM)

Finish Time of Event 5:00 PM

Location of Event _____

DOWN TOWN CRETE AND CITY PARK

This request is for temporary occupation of the street or sidewalk right-of-way.

Streets or Alleys requesting to be closed _____

MAIN AVE. FROM 13th to 9th St.
LINDEN AVE. FROM 13th to 11th St.
12th STREET - NORMAN to JUNIPER STREETS
11th STREET - NORMAN to LINDEN STREETS
10th STREET - NORMAN to LINDEN STREETS

REQUEST TO USE CITY PARKING LOT @ 12th & LINDEN FOR LOCATION OF TRASH CONTAINER.

Special Equipment BARRICADES FOR STREET/ALLEY CLOSURES

16-55 GALLON TRASH CONTAINERS
REQUEST FOR STREET DEPT. TO HANG FESTIVAL BANNER ON 13th STREET
Organization CRETE CHAMBER OF COMMERCE

Responsible Party JACK CUCHNAR EXECUTIVE DIRECTOR

Address 1302 LINDEN AVENUE, P.O. BOX 965 CRETE, NE 68333

Phone 402-826-2136 OFFICE 402-641-2821 CELLULAR

DO NOT WRITE IN THIS SPACE

Application # SE24-09

City Admin. Review

Public Works Review _____

Emergency Services Review _____

Parks & Recreation Review _____

Council Meeting Date _____

Approved _____


Denied _____

Insurance Certificate
Required _____

Ins. Cert. Received _____

(COMPLETE REVERSE SIDE)

By signing this application, Applicant agrees to indemnify and hold the City of Crete and all of its officers and employees harmless from and against any and all claims made by any person or any loss or damage sustained by any person as a direct result of the acts or omissions of the Applicant, its employees, agents, invitees, or guests or as a direct result of the event set forth in the application and any activities related thereto (the "Event"). Applicant agrees to abide by all applicable laws, rules, and regulations pertaining to Applicant's event, including those relating to copyright and intellectual property. Applicant shall bear the sole responsibility for securing any necessary licenses, including music licenses, prior to the event and shall indemnify and hold the City of Crete and all of its officers and employees harmless from and against any and all claims made by any person alleging intellectual property infringement or other claims related to licensure or lack thereof.

 8-28-24
Signature of Responsible Party

REQUIRED ATTACHMENTS:

- Diagram or print of location of event.
- If alcoholic liquor will be served, copy of SDL.
- If alcoholic liquor will be served, description of barricades, devices, security measures, etc. to ensure compliance with The Nebraska Liquor Control Act:

- Copy of insurance covering event with City of Crete as named insured.



CRECH-1

OP ID: DB

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Bauer Insurance Inc. 1241 Main P.O. Box 159 Crete, NE 68333 David A Bauer	402-826-5141	CONTACT NAME: David A Bauer PHONE (A/C, No, Ext): 402-826-5141 E-MAIL ADDRESS: daveb@bauerinsuranceinc.com	FAX (A/C, No): 402-826-4322
	INSURER(S) AFFORDING COVERAGE INSURER A: Auto Owners Insurance		NAIC # 18988
INSURED Crete Chamber of Commerce PO Box 465 Crete, NE 68333	INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:		

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X		39997389	12/04/2023	12/04/2024	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 300,000
							MED EXP (Any one person)	\$ 10,000
							PERSONAL & ADV INJURY	\$
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COM/OP AGG	\$ 2,000,000
								\$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			INCL IN GENERAL LIABILITY			COMBINED SINGLE LIMIT (Ea accident)	\$
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE	\$
							AGGREGATE	\$
								\$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	39108118	12/04/2023	12/04/2024	<input checked="" type="checkbox"/> PER STATUTE	OTH-ER
							E.L. EACH ACCIDENT	\$ 100,000
							E.L. DISEASE - EA EMPLOYEE	\$ 100,000
							E.L. DISEASE - POLICY LIMIT	\$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The City of Crete is listed as an additional insured as required by contract.

CERTIFICATE HOLDER

CANCELLATION

City of Crete
 223 E 13th Street
 Crete, NE 68333

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

David A Bauer

Crete's Great Pumpkin Festival

Sunday, Oct. 6, 2024

13th Street/Highway 33/103





CITY OF CRETE
APPLICATION FOR SPECIAL EVENT PERMIT

Event Title: CHILDREN'S PARADE

Date of Event 10-5-24

Start Time of Event 10:00 AM (SETUP @ 9:30 AM)

Finish Time of Event 2:00 PM

Location of Event PARADE ROUTE BEGINS @ 10th & MAIN, DOWN MAIN, TURN ON 12th STREET AND END AT CITY PARK

[X] This request is for temporary occupation of the street or sidewalk right-of-way.

Streets or Alleys requesting to be closed

12th STREET BETWEEN LINDEN & KINGWOOD INCLUDING ALLEY. TEMPORARY BARRICADES AT 10th & LINDEN AND 10th & MAIN

REQUEST TO USE CITY PARKING LOT @ 12th & LINDEN FOR LOCATION OF TRASH CONTAINER

BARRICADES FOR STREET/ALLEY CLOSURES 4-55 gallon TRASH CONTAINERS

Organization CRETE CHAMBER OF COMMERCE

Responsible Party JACK COCHNAR EXECUTIVE DIRECTOR


Address 1302 LINDEN AVE. P.O. BOX 465, CRETE NE 68333

Phone 402-826-2136 OFFICE 402-641-2821 CELLULAR

DO NOT WRITE IN THIS SPACE
Application # SE24-10
City Admin. Review [check]
Public Works Review
Emergency Services Review
Parks & Recreation Review
Council Meeting Date
Approved
Denied
Insurance Certificate Required
Ins. Cert. Received

(COMPLETE REVERSE SIDE)

By signing this application, Applicant agrees to indemnify and hold the City of Crete and all of its officers and employees harmless from and against any and all claims made by any person or any loss or damage sustained by any person as a direct result of the acts or omissions of the Applicant, its employees, agents, invitees, or guests or as a direct result of the event set forth in the application and any activities related thereto (the "Event"). Applicant agrees to abide by all applicable laws, rules, and regulations pertaining to Applicant's event, including those relating to copyright and intellectual property. Applicant shall bear the sole responsibility for securing any necessary licenses, including music licenses, prior to the event and shall indemnify and hold the City of Crete and all of its officers and employees harmless from and against any and all claims made by any person alleging intellectual property infringement or other claims related to licensure or lack thereof.

 8-28-24

Signature of Responsible Party

REQUIRED ATTACHMENTS:

- Diagram or print of location of event.
- If alcoholic liquor will be served, copy of SDL.
- If alcoholic liquor will be served, description of barricades, devices, security measures, etc. to ensure compliance with The Nebraska Liquor Control Act:

- _____
 Copy of insurance covering event with City of Crete as named insured.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Bauer Insurance Inc. 1241 Main P.O. Box 159 Crete, NE 68333 David A Bauer	402-826-5141		CONTACT NAME: David A Bauer
			PHONE (A/C, No, Ext): 402-826-5141
			FAX (A/C, No): 402-826-4322
E-MAIL ADDRESS: daveb@bauerinsuranceinc.com			
INSURER(S) AFFORDING COVERAGE			NAIC #
INSURER A : Auto Owners Insurance			18988
INSURER B :			
INSURER C :			
INSURER D :			
INSURER E :			
INSURER F :			

INSURED
 Crete Chamber of Commerce
 PO Box 465
 Crete, NE 68333

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	X		39997389	12/04/2023	12/04/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			INCL IN GENERAL LIABILITY			COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	39108118	12/04/2023	12/04/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 100,000 E.L. DISEASE - EA EMPLOYEE \$ 100,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The City of Crete is listed as an additional insured as required by contract.

CERTIFICATE HOLDER

CANCELLATION

City of Crete
 223 E 13th Street
 Crete, NE 68333

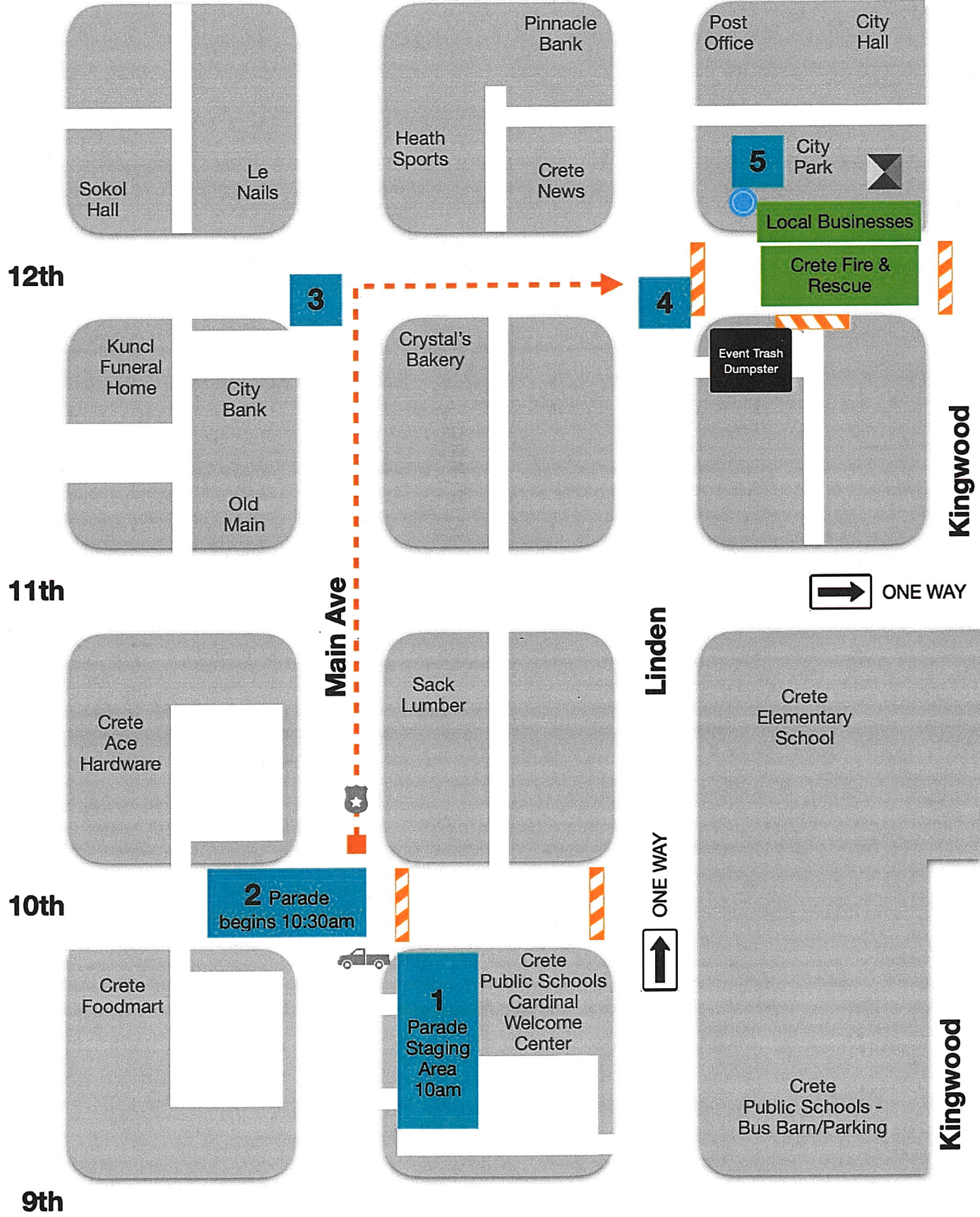
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Crete's Great Pumpkin Festival - Children's Parade

13th Street/Highway 33

Saturday, Oct. 5, 2024





PCO #011

Kingery Construction Co.
 201 N 46th St
 Lincoln, Nebraska 68503
 Phone: +14024654400

Project: 11-23-6785 - CRETE ISIS THEATRE PHASE 2
 139 W. 13th
 Crete, Nebraska 68333

Prime Contract Potential Change Order #011: Electrical Changes

TO:		FROM:	
PCO NUMBER/REVISION:	011 / 0	CONTRACT:	11-23-6785 - CRETE ISIS THEATRE PHASE 2
REQUEST RECEIVED FROM:		CREATED BY:	Mark Riley (Kingery Construction Co.)
STATUS:	Pending - In Review	CREATED DATE:	8/9/2024
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No	ACCOUNTING METHOD:	Amount Based
LOCATION:		PAID IN FULL:	No
SCHEDULE IMPACT:		SIGNED CHANGE ORDER RECEIVED DATE:	
EXECUTED:	No	TOTAL AMOUNT:	\$812.00

POTENTIAL CHANGE ORDER TITLE: Electrical Changes

CHANGE REASON: No Change Reason

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*


Electrical Changes


Per Owner request: Replace the receptacle at the service counter to a USB duplex device, add a quad receptacle in the projection room, add a USB receptacle in the Utility room and separate the projection room lights from the stair lights and isolate them each to their own switch.

ATTACHMENTS:

[Sentry Cost for Extra Work.pdf](#)

#	Budget Code	Description	Amount
1	26-0001.S ELECTRICAL.SUBCONTRACTORS (blue contract)	Misc. Electrical Changes	\$442.00
2	26-0001.S ELECTRICAL.SUBCONTRACTORS (blue contract)	Change Light Switch in Projection Room	\$115.00
3	01-1005.L PROJECT SUPERINTENDENT.LABOR	Superintendent	\$85.00
4	01-1025.P PROJECT MANAGER.PROJECT MANAGEMENT	PM	\$110.00
Subtotal:			\$752.00
Fee (≈ 7.98% Applies to all line item types.):			\$60.00
Grand Total:			\$812.00

 8/9/2024
 SIGNATURE DATE

 8/12/2024
 SIGNATURE DATE

 SIGNATURE DATE

SENTRY ELECTRIC, INC.

LINCOLN, NE (402)467-5550

CHANGE NOTICE

Sentry Electric Inc
3400 Gladstone St
Lincoln, NE 68504
Telephone: (402) 467-5550
Fax: (402) 467-5548

CCN# 16
Date: 8/8/2024
Project Name: Isis Theatre
Project Number: Isis Theatre
Page Number: 1

Client Address:

Site Address:

Kingery Construction
Contact: Mark Riley
201 N 46th St.
Lincoln, NE 68503

Isis Theatre
139 W 13th St
Crete, NE 68333

Work Description

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.
This price is good for acceptance within 10 days from the date of receipt.
We request a time extension of 3 days.

Sentry Electric will replace the receptacle at the food stand counter to a USB duplex. Sentry will add a quad receptacle in the projection room. Sentry will add a USB receptacle in the lobby mechanical room.

Summary

MATERIAL		
Total Material		95.57
LABOR		
JOURNEYMAN	(3.32 Hrs @ \$72.00)	239.04
PROJECT MANAGER @ 12.5%	(0.42 Hrs @ \$73.00)	30.66
Subtotal		365.27
Overhead	(@ 10.000 %)	36.53
Markup	(@ 10.000 %)	40.18
Subtotal		441.98
Final Amount		\$441.98

CLIENT ACCEPTANCE

CCN #	16
Final Amount:	\$441.98
Name:	_____
Date:	_____
Signature:	_____

Change Order #:

ORIGINAL

I hereby accept this quotation and authorize the contractor to complete the above described work.

SENTRY

ELECTRIC, INC.

LINCOLN, NE

(402)467-5550

CHANGE NOTICE

Sentry Electric Inc

3400 Gladstone St
Lincoln, NE 68504
Telephone: (402) 467-5550
Fax: (402) 467-5548

Client Address:

Kingery Construction

Contact: Mark Riley
201 N 46th St.
Lincoln, NE 68503

CCN #

15

Date:

8/8/2024

Project Name:

Isis Theatre

Project Number:

Isis Theatre

Page Number:

1

Site Address:

Isis Theatre

139 W 13th St
Crete, NE 68333

Work Description

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within **10** days from the date of receipt.

We request a time extension of **3** days.

Sentry Electric was authorized to separate the projection room lights from the stair lights and isolate them each to their own switch.

Summary

MATERIAL

Total Material

34.49

LABOR

JOURNEYMAN

(0.75 Hrs @ \$72.00)

54.00

PROJECT MANAGER @ 12.5%

(0.09 Hrs @ \$73.00)

6.57

Subtotal

Overhead

(@ 10.000 %)

95.06

Markup

(@ 10.000 %)

9.51

10.46

Subtotal

115.03

Final Amount

\$115.03

CLIENT ACCEPTANCE

CCN # 15
Final Amount: \$115.03

Name: _____

Date: _____

Signature: _____

Change Order #: _____

ORIGINAL

I hereby accept this quotation and authorize the contractor to complete the above described work.



PCO #012

Kingery Construction Co.
 201 N 46th St
 Lincoln, Nebraska 68503
 Phone: +14024654400

Project: 11-23-6785 - CRETE ISIS THEATRE PHASE 2
 139 W. 13th
 Crete, Nebraska 68333

Prime Contract Potential Change Order #012: Added Scope per Fire Marshal in Utility Room

TO:		FROM:	
PCO NUMBER/REVISION:	012 / 0	CONTRACT:	11-23-6785 - CRETE ISIS THEATRE PHASE 2
REQUEST RECEIVED FROM:		CREATED BY:	Mark Riley (Kingery Construction Co.)
STATUS:	Pending - In Review	CREATED DATE:	8/9/2024
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		PAID IN FULL:	No
EXECUTED:	No	SIGNED CHANGE ORDER RECEIVED DATE:	
		TOTAL AMOUNT:	\$2,126.00

POTENTIAL CHANGE ORDER TITLE: Added Scope per Fire Marshal in Utility Room

CHANGE REASON: No Change Reason

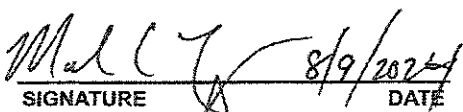
POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*

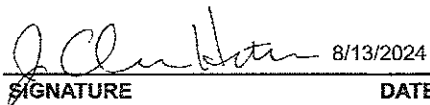
Added Scope per Fire Marshal in Utility Room
 Cost to add the closer to the Utility Room door and the smoke damper at the grill in the wall above the popcorn machine.

ATTACHMENTS:

[Hawks Quote for Damper.pdf](#) , [Closer for Utility Room Door.pdf](#) , [Sentry added cost for the Popcorn Machine Damper.pdf](#)

#	Budget Code	Description	Amount
1	23-0001.S HVAC.SUBCONTRACTORS (blue contract)	Smoke Damper	\$750.00
2	26-0001.S ELECTRICAL.SUBCONTRACTORS (blue contract)	Power to Damper	\$837.00
3	01-1005.L PROJECT SUPERINTENDENT.LABOR	Superintendent	\$255.00
4	01-1025.P PROJECT MANAGER.PROJECT MANAGEMENT	PM	\$110.00
5	06-1010.M ROUGH HARDWARE.MATERIALS	Door Closer Hinge	\$16.09
Subtotal:			\$1,968.09
Fee (= 8.02% Applies to all line item types.):			\$157.91
Grand Total:			\$2,126.00

 8/9/2024
 SIGNATURE DATE

 8/13/2024
 SIGNATURE DATE

SIGNATURE DATE

ESTIMATE

Hawks Plumbing and Heating
L.L.C.
2370 County Rd C
Crete, NE 68333

hawkster_01@hotmail.com
402-826-2029
www.hawksplumbingandheating.co
m



Bill to

Kingery Construction
201 N 46th St
Lincoln
NE
68503

Ship to

Kingery Construction
201 N 46th St
Lincoln
NE
68503

Estimate details

Estimate no.: 1721
Estimate date: 07/26/2024

#	Date	Product or service	Description	Qty	Rate	Amount
1.		Change Order	Smoke damper for transfer grill behind popcorn machine	1	\$750.00	\$750.00
					Total	\$750.00

Note to customer

Thank you for your business.

SENTRY

ELECTRIC, INC.

LINCOLN, NE

(402)467-5550

CHANGE NOTICE

Sentry Electric Inc

3400 Gladstone St
Lincoln, NE 68504
Telephone: (402) 467-5550
Fax: (402) 467-5548

Client Address:

Kingery Construction

Contact: Mark Riley
201 N 46th St.
Lincoln, NE 68503

CCN#

17

Date:

8/9/2024

Project Name:

Isis Theatre

Project Number:

Isis Theatre

Page Number:

1

Site Address:

Isis Theatre

139 W 13th St
Crete, NE 68333

Work Description

We reserve the right to correct this quote for errors and omissions.

This quote covers direct costs only and we reserve the right to claim for impact and consequential costs.

This price is good for acceptance within 10 days from the date of receipt.

We request a time extension of 3 days.

Sentry Electric will provide materials and labor to power a damper on the popcorn machine and control it through the fire alarm system. Final programming to be done by Midwest Alarm.

Summary

MATERIAL

Total Material

82.45

LABOR

JOURNEYMAN

(4.71 Hrs @ \$72.00)

339.12

PROJECT MANAGER @ 12.5%

(0.59 Hrs @ \$73.00)

43.07

Subtotal

464.64

Overhead

(@ 10.000 %)

46.46

Markup

(@ 10.000 %)

51.11

Subtotal

562.21

FIRE ALARM

(\$250.00 + 0.000 % + 10.000 % + 0.000 %)

275.00

Subtotal

837.21

Final Amount

\$837.21

CLIENT ACCEPTANCE

ORIGINAL

Sales Order

Johnson Hardware Co., LLC
1201 Pacific St
Omaha, NE 68108
(402) 444-1650

Order Number: 0925369
Order Date: 7/18/2024

Salesperson: 0129
Customer Number: 06-KIN10

Sold To:
KINGERY CONSTRUCTION CO063
201 N 46TH ST
LINCOLN, NE 68503-0719

Ship To:
KINGERY CONSTRUCTION CO063
201 N 46TH ST
LINCOLN, NE 68503-0719

Confirm To:
Aaron

Customer P.O.	Ship VIA	F.O.B.	Terms			
46430			NET 30			
Item Number	Unit	Ordered	Shipped	Back Order	Price	Amount
PBB SP81 SP81 4.5 X 4.5 26D HINGE	EACH	1.00	0.00	0.00	15.0000	15.00
			Whse: 002			

RECEIVED
JUL 22 2024

6785
06-1010
m
wl

Net Order:	15.00
Less Discount:	0.00
Freight:	0.00
Sales Tax:	1.09
Order Total:	16.09