

NOTICE OF MEETING OF THE CARTER LAKE CITY COUNCIL

City Council agendas are available at www.cityofcarterlake.com

You are hereby notified that there is a meeting of the City Council, Carter Lake, Iowa,

will be held on Monday, August 18, 2025, at 7:00 p.m.,

in the City Hall Council Chambers, 950 East Locust Street, Carter Lake, Iowa,

for the purpose of taking official action on the agenda items shown hereinafter and for such other business that may properly come before the Council. This is a formal meeting during which the Council may take official action on various items of business. If you wish to speak on an item, please follow the seven participation guidelines adopted by the Council for speakers:

1. Anyone may address the Council on any agenda item.
 2. Speakers should approach the microphone one at a time and be recognized by the mayor.
 3. Speakers should give their name, spell their name, give their address, and then their statement.
 4. Everyone should have an opportunity to speak. Therefore, please limit your remarks to three minutes on any one item.
 5. At the beginning of the discussion on any item, the mayor may request statements in favor of an action to be heard first, followed by statements in opposition to the action.
 6. Any concerns or questions you may have which do not relate directly to a scheduled item on the agenda will also be heard under "Citizen Concerns".
 7. For the benefit of all in attendance, please turn off all cell phones and other communication devices while in the City Council Chambers.
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1. Pledge of allegiance
2. Roll call
3. Approval of the agenda
 - a. additions or deletions
4. CONSENT AGENDA
 - a. Department head reports
 - i. Library, Community Center, Maintenance/Parks, Police, Fire/EMS
 - b. City council minutes – JULY,
 - c. Planning board minutes – JULY
 - d. Overtime and comp time reports – JULY
 - e. Abstract of claims – JULY
 - f. Receipts – JULY
 - g. Financial reports – JULY
 - h. Liquor License Renewal – none this month

---END OF CONSENT AGENDA---

NEW BUSINESS

5. Communications from:
 - a. Snyder Engineering – Elizabeth Hunter
 - i. Wastewater monitoring manhole project
 - b. City Motors Salvage license
 - c. Department Supervisors
 - i. Dave Huey – Fire Department
 1. New Members – Patrik Knudsen and Tia Frison
 2. Pay scales
 3. Volunteer Fire Department retirement program
 - d. Mayor Ronald Cumberledge
 - i. Assignments and Updates
 - e. Jason Gundersen
 - i. Water Stop Box replacement
 - ii. GIS Mapping contract
 - iii. Grant Writer contract
 - iv. Pump station repairs
 - v. Street repairs
 - f. Clint Fichter, City Attorney
6. ORDINANCES AND RESOLUTIONS:
 - a. Consider motion to approve wages
 - b. Consider motion to approve resolution for policy for distribution of minutes
7. Communications from the public
 - a. Jay Gundersen – Right of way permits and stormwater permits
8. CITIZEN CONCERNS (3 minutes per resident)
9. COUNCIL CONCERNS (3 minutes per member)
10. ADJOURNMENT

ADA AND INCLUSIVE LANGUAGE NOTICE

The City of Carter Lake does not discriminate based on disability in admission to, access to, or operations of its programs, services, or activities. Individuals who need auxiliary aid for effective communication in programs and services of the City of Carter Lake are invited to make their needs and preferences known to the ADA Compliance Officer, City Hall, 950 East Locust Street, (712) 347-6320. This notice is provided as required by Title II of the Americans with Disabilities Act of 1990. The City of Carter Lake promotes equity and inclusion of protected classes including sex, ethnicity, color, familial status, gender identity, age, marital status, national origin, geographic background, race, creed, religious and spiritual beliefs, sexual orientation, socioeconomic status, mental and physical disability, or veteran status in admission to, access to, or operations of its programs, services, or activities. This notice applies to all departments, employees, commissions, boards, and volunteers that work with the City of Carter Lake.

CARTER LAKE CITY COUNCIL MEETING

Monday, April 21, 2025

Mayor opened the public meeting to discuss the 2025-2026 city budget. No comments received. Gundersen moved to close hearing, seconded by Hanika; unanimously approved.

Mayor Ronald Cumberledge called the regular meeting to order at 7:05 p.m. and requested to observe a moment of silence for several long-time residents who passed away in recent weeks.

Roll call of the council, present: Mayor Ronald Cumberledge, Jacob Hanika, Jackie Wahl, Aaron Grell, Victor Skinner and Jason Gundersen; City Attorney David Levy and Clerk Jackie Carl.

Gundersen moved to approve the agenda, Wahl asked why the city attorney appointment was listed under resolutions? Asked that it be moved to the top of the agenda under the mayor and new business, seconded by Grell, unanimously approved. Gundersen moved to approve the consent agenda, there was a request to pull the salvage yard permit for City Super Shop for discussion later this evening, unanimously approved. Consent agenda includes the following: Department head reports from Parks, Library, Community Center, Senior Services, Maintenance, Police, Fire/EMS; City council minutes; overtime and comp-time reports, abstract of claims, receipts and financial reports for March 2025. Seconded by Grell, unanimously approved.

Wahl moved to appoint Clint Fichter, Skinner stated the starting date of May 1st, seconded by Grell; unanimously approved.

Engineer Elizabeth Hunter and contractor Chris Roseland were present to discuss the upcoming water project, discuss GIS mapping work and the wastewater monitoring manhole. Gundersen moved to adopt an amendment of \$550,000 for the water project, seconded by Hanika.

The Developers from "The Landings Reserve" were present to discuss a proposed text amendment and conditional use permit at their property; there was a lengthy discussion to consider proposed terms of the text amendment and conditional use permit. Gundersen moved to send back to the planning board for proposed text amendment changes and to have a public hearing and discuss the conditional use permit after the public hearing, seconded Grell; homeowners in the area were presented and voiced concerns. Roll Call: Gundersen-Yes, Skinner-yes, Wahl-no Grell-yes, Hanika-yes.

Maintenance department has received some bids to replace the jetter.

City Motors plans to crush 150 cars and move all the cars from Jonesy's to behind the fence. Crushing cars until May 4th and then Lakeside will take them over the fence, The fence is almost completely repaired. 90 days everything will be the fences.

Grell moved to approve the third reading of the ordinance to adopt the city administrator ordinance but removing oversight by the mayor, seconded by Skinner; Roll Call: No-Gundersen; Yes-Wahl, Skinner, Grell, Hanika. Skinner moved to approve job description for city administrator, seconded by Grell; unanimously approved. Skinner moved to accept agreement with Hinson Consulting, LLC, seconded by Gundersen; unanimously approved. Gundersen moved to approve the pay application #2 for Trail Project, seconded by Hanika; unanimously approved; Moved to hold on bid proposals for the garbage contract to discuss at next workshop; Gundersen moved to set wages for Matt Cole; seconded by Hanika; unanimously approved; Gundersen moved to set wages for Robert McCloud, seconded by Skinner; unanimously approved; Skinner moved to set wages for Nathan Bentzinger seconded by Grell, unanimously approved.

At 9:05 p.m. the Carter Lake City Council adjourned to closed session to discuss real estate matters. Returned to open session at 9:45 p.m. Gundersen moved to return to open session, seconded by Skinner, unanimously approved. Adjourned at 9:50 p.m.

Jackie Carl, City Clerk

Ronald Cumberledge, Mayor

CARTER LAKE CITY COUNCIL MEETING
MONDAY, JUNE 19, 2023

Mayor Ronald Cumberledge called the meeting to order at 7:00 p.m. Roll call of the council, present: Ashley Wilson, Jackie Wahl, Keebie Kessler, Victor Skinner; Pat Paterson; Clerk Jackie Carl and city attorney Mike O'Bradovich were present.

Upon motion duly made by Paterson, and seconded by Kessler, the council's agenda was approved unanimously. Upon motion of Paterson seconded by Wilson, the consent agenda was approved overtime reports, receipts and financial reports for May; Ney: Skinner Yea: Wilson, Wahl, Kessler, Paterson. Approved.

Kessler moved to approve tobacco permits for Casey's, Kwik Shop, Dual Stop, Dollar General, Spearmint, Shoreline, seconded by Wilson; unanimously approved. Kessler moved to approve liquor license for Jonesys Taco House, seconded by Skinner; unanimously approved. Kessler moved to approve temporary liquor license for the Fire Department for the festival celebration; unanimously approved. Kessler moved to approve the landscape project in front of the fire station to add a statue, announcement board and flags with grant fund from Iowa West Foundation in amount of \$109,000; seconded by Paterson; unanimously approved.

Ben Worrell presented information on request for a developer agreement for his client Palm Shield. There will be future discussions with the council. Jay Van Tassell was present for Lakeside Estate to discuss the option to have front setback of 5 feet at the trailer court. Council was in agreement because the federal rules were met, and the fire department did not see issues. Jay will meet with the Planning Board to make the amendments. Jean White requested a street closure for the 4th July Kessler moved to approve and seconded by Paterson; No:Wahl, yes: Paterson, Kessler, Wilson, Skinner. Bill Dalheimer requested information on street sweeper and trees to be planted around town in certain neighborhoods.

Mayor requested support to appointments to the library board: Chris Heuertz - Kessler moved to approve and seconded by Wilson; unanimously approved. Chrissie Matthews - Kessler moved to approve and seconded by Paterson. Mayor nominated Dave Huey as Citizen of the Year, Dave has spent many years volunteering the Fire, EMT and various other community activities.

Paterson asked the council their opinion on the Rental Inspection program and we need to start charging for inspections and fees for failure to comply. Skinner has concerns and would like to discuss removing sections or the program. Paterson motioned to engage Kimley Horn from Minneapolis to assist with the storm water project, seconded by Skinner; unanimously approved. Kessler moved to approve the City Council Protocol to be added to the city website seconded by Skinner; unanimously approved.

Paterson moved to approve pay application #17 and #18 for the CLCC project, seconded by Kessler; Skinner voted no, motion approved. Paterson moved to approve

payment to SJ Louis \$177,369.38, seconded by Kessler (Wahl and Skinner voted No) motion approved; Paterson moved to approve contract for Snyder & Associates for wastewater project seconded by Skinner; unanimously approved. Skinner moved to adopt Police Union Contract, seconded by Wilson; unanimously approved. Wilson moved to approve wage resolution for Vincent Arculeo with Parks Dept at \$16, seconded by Skinner; unanimously approved. Kessler moved to approve wage resolution for Levi Terrell at CLCC at \$16, seconded by Wilson; unanimously approved. Kessler moved to approve wage resolution for Tim Edmonds at \$16 seconded by Wilson; unanimously approved. Kessler moved to approve wage resolution for Erin Conner at \$17 at CLCC, seconded by Wilson; unanimously approved. Kessler moved to approve wage resolution for Lauri Wilhite at \$13 at CLCC, seconded by Paterson; unanimously approved. At 8:20 p.m. Wilson moved to go into closed session to discuss litigation and real estate matters, seconded by Skinner; unanimously approved. At 9:15 p.m. the Council returned to open session. Wilson moved to resume open session, seconded by Kessler; unanimously approved. The city council adjourned the meeting at 9:16 p.m.

Jackie Carl City Clerk

Ronald Cumberledge, Mayor

CITY OF CARTER LAKE CITY COUNCIL WORKSHOP

Wednesday, July 16, 2025.

Present: Gundersen, Skinner, Wahl, Grell, Mayor Cumberledge, Clerk Carl and Attorney Fichter;

Absent: Hanika

The following items were discussed, and no action was taken.

New building for the fire department

Proposed pay scales for fire and Ems volunteers

Volunteer Fire Department retirement program.

Fire Department will collect retired flags

Grants

Wages

Tree removal

Street repairs

Splash Pad repairs

Park Director/issues

Pump station repairs

Community Center staffing

Maintenance staffing

Dog enforcement

Municipal Code changes and additions

Minutes

CARTER LAKE CITY COUNCIL MEETING

Monday, July 21, 2025

Mayor Ronald Cumberledge called the regular meeting to order at 7:00 p.m. Roll call of the council, present: Mayor Ronald Cumberledge, Jacob Hanika, Jackie Wahl, Aaron Grell, Victor Skinner and Jason Gundersen; City Attorney Clint Fichter and Clerk Jackie Carl.

Gundersen moved to approve the agenda, seconded by Grell; unanimously approved. Gundersen moved to approve the consent agenda, by Grell, unanimously approved. Consent agenda includes the following: Department head reports from Parks, Library, Community Center, Senior Services, Maintenance, Police, Fire/EMS; City council minutes; overtime and comp-time reports, abstract of claims, receipts and financial reports for June 2025.

Fire Chief Dave Huey reviewed the pay scales for volunteers; VA transportation, retirement benefit for volunteers and seeking members to join committee to discuss the renovation or new construction for the volunteer fire station.

Mayor Cumberledge asked for volunteer to help review what other communities are doing with animal control? Gundersen will work with attorney to review and suggest changes. City Motors Salvage license on next month's agenda.

Gundersen stated several trees will be cleaned up around town. Location of base of tree determines who is responsible for trimming; Pump stations will be update with new connections for monitoring.

Carter Lake Park Board member Janet was present to discuss liquor license request for Lucky Wife Wine Slushy. Request is denied.

Attorney Fichter provided an email to update on 122 Carter Lake Club. Homeowner has hired an attorney, Inspector Whatcott has permission to do a complete inspection of the inside.

Grell moved to hire the candidate for City Administrator, seconded by Wahl. Unanimously approved.

Skinner moved to approve the pay application to Bluffs Paving for 2,613.00 for the trail project seconded by Gundersen. Unanimously approved.

Gundersen moved to approve the employee wage increases for 2025-2026 budget, seconded by Grell. unanimously approved. Skinner moved to table policy regarding distribution of minutes, seconded by Grell, Roll Call: Yes-Skinner, Wahl, Grell, No-Gundersen.

Adjourn at 7:45 p.m.

Jackie Carl, City Clerk

Ronald Cumberledge, Mayor

City of Carter Lake CITY COUNCIL WORKSHOP

Wednesday, August 13, 2025, at 5:30 p.m.

Present: Mayor Ron Cumberledge, Jason Gundersen, Victor Skinner, Jackie Wahl, City Clerk Jackie Carl

Absent: Aaron Grell and Jacob Hanika

The following items were discussed, and no action was taken

Kim Smith provided information on creating a partnership with Habitat for Humanity

Water stop box update

Wastewater monitoring manhole

Grant Writer Contract

GIS future plans - GWorks

Street repairs

Pump station repair

Volunteer Fire Dept pay – loss classification as volunteer fire dept

Correction to pay scale for fire department

America In Bloom grant

Status of former Senior Center building – rentals

Mayor's salary

Ownership of city email accounts

Resolution for distribution of minutes

Minutes corrections February and April

CC ANALYSIS, 22 OVERTIME REPORT
7/25/2025 THRU 7/25/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
41009 SHARON N CARR			
41040 OT WAGES/LIBRAR	1.25	42.69	
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EMP TOT 41009	1.25	42.69	
43006 AYDEN K CHAMBER			
43040 OT WAGES/PARKS	2.00	49.68	
	-----	-----	
EMP TOT 43006	2.00	49.68	
43005 ETHAN G CHAMBER			
43040 OT WAGES/PARKS	4.00	64.20	
	-----	-----	
EMP TOT 43005	4.00	64.20	
11016 MATTHEW R COLE			
11042 OT TO COMP TIME	.50		

EMP TOT 11016	.50		
11012 NICHOLAS R DARG			
11010 POLICE WAGES			.50
11040 OT POLICE WAGES	1.00	53.73	
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EMP TOT 11012	1.00	53.73	.50
11003 JOSHUA J DRISCO			
11010 POLICE WAGES			1.50

EMP TOT 11003			1.50
46004 NICHOLAS R HOLM			
46040 OT/COMM CENT	.50	17.47	
	-----	-----	
EMP TOT 46004	.50	17.47	
11010 JACOB S HUSCROF			
11010 POLICE WAGES			1.00
11040 OT POLICE WAGES	9.00	527.99	
	-----	-----	-----
EMP TOT 11010	9.00	527.99	1.00
11001 SHAWN M KANNEDY			
11010 POLICE WAGES			32.00

EMP TOT 11001			32.00
62001 LISA M RUEHLE			
62040 OT WAGES/ADMIN	4.13	154.43	
81040 OT WAGES/WATER	4.12	154.42	
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EMP TOT 62001	8.25	308.85	

CC ANALYSIS, 22 OVERTIME REPORT
7/25/2025 THRU 7/25/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
11015 ELIZABETH A SAN			
11040 OT POLICE WAGES	17.25	751.90	
11042 OT TO COMP TIME	7.00		
	-----	-----	
EMP TOT 11015	24.25	751.90	
41006 MARGARET H SCHM			
41042 OT TO COMP TIME	1.25		

EMP TOT 41006	1.25		
21002 RANDY C SMITH			
81040 OT WAGES/WATER	4.00	180.00	
	-----	-----	
EMP TOT 21002	4.00	180.00	
11008 ADAM W SWINARSK			
11040 OT POLICE WAGES	19.50	1143.97	
	-----	-----	
EMP TOT 11008	19.50	1143.97	
46014 BRANDO TAPIA			
46040 OT/COMM CENT	.50	13.50	
	-----	-----	
EMP TOT 46014	.50	13.50	
46010 LEVI J TERRELL			
46010 COMMUNITY CENT			16.00

EMP TOT 46010			16.00
41010 KAITLYN M WATSO			
41040 OT WAGES/LIBRAR	.25	7.18	
	-----	-----	
EMP TOT 41010	.25	7.18	
62005 LAURINE K WILHI			
46020 PT/COMM CENT	27.25	524.93	
62010 ADMIN WAGES			1.25
62040 OT WAGES/ADMIN	4.50	141.11	
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EMP TOT 62005	31.75	666.04	1.25
Report Total	108.00	3827.20	52.25
Employee Count	18		

CC ANALYSIS, 22 OVERTIME REPORT
 7/11/2025 THRU 7/11/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
11013 NATHANIEL A BEN			
11010 POLICE WAGES			13.50
11040 OT POLICE WAGES	10.00	529.20	
11041 STEP OT/POLICE	5.00	257.10	
11043 HOLIDAY TO COMP	10.00		
EMP TOT 11013	25.00	786.30	13.50
43006 AYDEN K CHAMBER			
43040 OT WAGES/PARKS	6.00	144.00	
EMP TOT 43006	6.00	144.00	
43005 ETHAN G CHAMBER			
81040 OT WAGES/WATER	8.00	240.00	
EMP TOT 43005	8.00	240.00	
11002 GARY D CHAMBERS			
11010 POLICE WAGES			1.00
11043 HOLIDAY TO COMP	10.00		
EMP TOT 11002	10.00		1.00
11016 MATTHEW R COLE			
11041 STEP OT/POLICE	5.00	217.73	
11042 OT TO COMP TIME	.50		
EMP TOT 11016	5.50	217.73	
11012 NICHOLAS R DARG			
11040 OT POLICE WAGES	11.00	607.15	
EMP TOT 11012	11.00	607.15	
11003 JOSHUA J DRISCO			
11010 POLICE WAGES			5.50
EMP TOT 11003			5.50
11006 RYAN P GONSIOR			
11042 OT TO COMP TIME	.25		
11043 HOLIDAY TO COMP	10.00		
EMP TOT 11006	10.25		
11010 JACOB S HUSCROF			
11010 POLICE WAGES			2.50
11040 OT POLICE WAGES	19.75	1109.99	
11041 STEP OT/POLICE	5.00	280.73	
11043 HOLIDAY TO COMP	10.00		

CC ANALYSIS, 22 OVERTIME REPORT
7/11/2025 THRU 7/11/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
EMP TOT 11010	34.75	1390.72	2.50
62001 LISA M RUEHLE			
62040 OT WAGES/ADMIN	1.38	73.35	
81040 OT WAGES/WATER	1.37	73.34	
EMP TOT 62001	2.75	146.69	
11015 ELIZABETH A SAN			
11040 OT POLICE WAGES	6.00	262.78	
11043 HOLIDAY TO COMP	10.00		
EMP TOT 11015	16.00	262.78	
41006 MARGARET H SCHM			
41010 LIBRARY WAGES			8.00
41042 OT TO COMP TIME	1.75		
EMP TOT 41006	1.75		8.00
11008 ADAM W SWINARSK			
11010 POLICE WAGES			.50
11040 OT POLICE WAGES	6.00	351.99	
11041 STEP OT/POLICE	5.00	293.33	
EMP TOT 11008	11.00	645.32	.50
62005 LAURINE K WILHI			
46020 PT/COMM CENT	19.25	435.58	
62040 OT WAGES/ADMIN	4.00	135.78	
EMP TOT 62005	23.25	571.36	
Report Total	165.25	5012.05	31.00
Employee Count	14		

CC ANALYSIS, 22 OVERTIME REPORT
6/27/2025 THRU 6/27/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
11013 NATHANIEL A BEN 11040 OT POLICE WAGES	.50	26.46	
EMP TOT 11013	.50	26.46	
43006 AYDEN K CHAMBER 43040 OT WAGES/PARKS	7.00	168.00	
EMP TOT 43006	7.00	168.00	
43005 ETHAN G CHAMBER 81040 OT WAGES/WATER	6.75	202.50	
EMP TOT 43005	6.75	202.50	
11002 GARY D CHAMBERS 11010 POLICE WAGES			1.00
EMP TOT 11002			1.00
11016 MATTHEW R COLE 11042 OT TO COMP TIME	1.00		
EMP TOT 11016	1.00		
11003 JOSHUA J DRISCO 11040 OT POLICE WAGES	5.50	388.58	
EMP TOT 11003	5.50	388.58	
11006 RYAN P GONSIOR 11042 OT TO COMP TIME	.25		
EMP TOT 11006	.25		
46004 NICHOLAS R HOLM 46040 OT/COMM CENT	.50	16.88	
EMP TOT 46004	.50	16.88	
11010 JACOB S HUSCROF 11010 POLICE WAGES 11042 OT TO COMP TIME	2.25		10.00
EMP TOT 11010	2.25		10.00
11001 SHAWN M KANNEDY 11010 POLICE WAGES			8.00
EMP TOT 11001			8.00
62001 LISA M RUEHLE 62040 OT WAGES/ADMIN	1.00	40.06	

CC ANALYSIS, 22 OVERTIME REPORT
6/27/2025 THRU 6/27/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
81040 OT WAGES/WATER	1.00	40.04	
EMP TOT 62001	2.00	80.10	
11015 ELIZABETH A SAN			
11010 POLICE WAGES			1.75
11040 OT POLICE WAGES	3.75	164.42	
11041 STEP OT/POLICE	4.00	174.18	
EMP TOT 11015	7.75	338.60	1.75
11008 ADAM W SWINARSK			
11040 OT POLICE WAGES	1.25	75.21	
EMP TOT 11008	1.25	75.21	
62005 LAURINE K WILHI			
46020 PT/COMM CENT	27.50	622.26	
62042 OT TO COMP	6.50		4.00
EMP TOT 62005	34.00	622.26	4.00
Report Total	68.75	1918.59	24.75
Employee Count	14		

CC ANALYSIS, 22 OVERTIME REPORT
6/13/2025 THRU 6/13/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
11013 NATHANIEL A BEN 11043 HOLIDAY TO COMP	10.00		
EMP TOT 11013	10.00		
43005 ETHAN G CHAMBER 81040 OT WAGES/WATER	2.25	67.50	
EMP TOT 43005	2.25	67.50	
11016 MATTHEW R COLE 11040 OT POLICE WAGES 11043 HOLIDAY TO COMP	10.00 10.00	450.45	
EMP TOT 11016	20.00	450.45	
11012 NICHOLAS R DARG 11010 POLICE WAGES 11043 HOLIDAY TO COMP			9.25 10.00
EMP TOT 11012	10.00		9.25
11003 JOSHUA J DRISCO 11043 HOLIDAY TO COMP	10.00		
EMP TOT 11003	10.00		
11006 RYAN P GONSIOR 11010 POLICE WAGES 11040 OT POLICE WAGES 11043 HOLIDAY TO COMP			10.00 10.00 10.00
EMP TOT 11006	20.00	643.80	10.00
46004 NICHOLAS R HOLM 46040 OT/COMM CENT	1.50	50.63	
EMP TOT 46004	1.50	50.63	
15001 PHILLIP J NEWTO 15040 OT FIRE DEPT	1.00	46.88	
EMP TOT 15001	1.00	46.88	
62001 LISA M RUEHLE 62040 OT WAGES/ADMIN 81040 OT WAGES/WATER	.25 .25	13.29 13.29	
EMP TOT 62001	.50	26.58	
11015 ELIZABETH A SAN 11010 POLICE WAGES 11040 OT POLICE WAGES			28.50 10.00
	10.00	435.45	

CC ANALYSIS, 22 OVERTIME REPORT
 6/13/2025 THRU 6/13/2025

COST CENTER	OVERTIME HOURS	OVERTIME PAY	COMP TIME HRS
11043 HOLIDAY TO COMP	10.00		
EMP TOT 11015	20.00	435.45	28.50
41006 MARGARET H SCHM			
41042 OT TO COMP TIME	.75		
EMP TOT 41006	.75		
11008 ADAM W SWINARSK			
11040 OT POLICE WAGES	11.00	661.82	
EMP TOT 11008	11.00	661.82	
46010 LEVI J TERRELL			
46042 OT TO COMP TIME	.25		
EMP TOT 46010	.25		
62005 LAURINE K WILHI			
46020 PT/COMM CENT	29.75	673.17	
62042 OT TO COMP	2.50		
EMP TOT 62005	32.25	673.17	
Report Total	139.50	3056.28	47.75
Employee Count	14		

Community Center Monthly Report-July 2025

1120 Willow Dr
712-847-8565 ext 310
clccdirector@carterlake-ia.gov

ITEM	STATS		
Reservations	Res/Prev Mo/Prev Yr 0/2/3		Revenue/Prev Mo/Prev Yr \$332.50/\$80/\$680
Memberships	Total/Prev Mo/Prev Yr 912/914/940	Sales/Prev Mo/Prev Yr 21/18/30	Revenue/Prev Mo/Prev Yr \$4,610.92/\$2,363.21/ \$3,104.28
Fitness	Attendance/Prev Mo/Prev Yr 237/201/307		Average Attendance/Prev Mo/Prev Yr 3.1/2.6/2.6
Recreation/Activities	Events/Prev Mo/Prev Yr 6/4/5	Event Attendance/Prev Mo./ Prev Yr. 1134/68/64	Activity Attendance/Prev Mo/Prev Yr. 506/501/474
Admittance/Prev Mo./Year 1629/1635/1699			

Highlights:

- Carter Lake Days parade and festival was held and hosted 48 vendor entries and 57 parade entries with minimal no shows. The festival served roughly 1000 attendees with shopping, play, entertainment, and a live show put on by CL Fire and Rescue. The biggest hit for fun was the airbrush face painting, foam party, and extended time for bounce houses. There was a Cornhole Tournament during the afternoon hours with help from Shelby Griffey. We also showcased some new game equipment with our badminton and disc golf targets out on the field.
- Senior program took an outing to the Lewis and Clark Trail Headquarters and learned about the expedition that discovered the West. Along the way, we also toured the downtown Omaha parks areas along the riverfront to see the recent updates to Heartland of America Park.
- Launched our online Team Gear store in Collaboration with Champion. Has Carter Lake apparel for the community including: T-shirts, Long-Sleeve Shirts, Jackets, Sweatpants, and more!
- The partnership with Tivity is active, meaning we can offer free membership to Silver Sneakers or Prime subscribers.
- Had a very successful Cheerleading registration period with 24 girls signing up for the team.
- Hydrant Parties were a success. Many kids and families came by and enjoyed the water and popsicles!
- Found a volunteer coach for youth soccer
- A recent increase in usage of our gymnasium, specifically from the youth.
- Les Mills Launch event was held to showcase new choreography for the live programs we host.

Community Center Monthly Report-July 2025

1120 Willow Dr

712-847-8565 ext 310

clccdirector@carterlake-ia.gov

Lowlights:

- Scheduled Virtual group fitness continues to be zero attendance
- Three programs were cancelled due to no/low registration: Splash and Dash fun run Adult Rec Volleyball, and Adult Rec slow pitch softball.

Looking Ahead:

- Fall Youth sports seasons kick off in September (Volleyball, cheer, flag football)
- Registration for vendors for the Holiday Craft fair in November will open in September
- Partnership with the Library for Power Play Monday once a month
- Possible partnership with 21st century. Having their kids come and participate in our activities



Library Board Meeting-Agenda

August 11th, 2025

4:00 pm

- I. Roll Call of Members**
- II. Disposition of Minutes of Previous Meeting**
 - a. July 2025
- III. City Financial Report**
 - a. May 2025
 - b. June 2025
- IV. Action on Bills**
- V. Progress and Service Report of the Director**
 - a. Director's Report
- VI. Unfinished Business.**
 - a. Fall/Winter Planning Day
 - b. Employee Evaluation Sheets
 - c. Bookmobile and Outreach Conference
- VII. New Business**
 - a. Jodi Sams leaving the Library Board/New Iowa State Law
 - b. Expanding Wednesday's Hours
 - c. Literacy Initiative
 - d. ARSL Conference
- VIII. Public Comments from the Library Director, Library Board, and/ or Carter Lake citizens (3 - 5 minutes each)**
- IX. Next Board Meeting Date: Monday, September 8th 4:00pm**
- X. Adjourn**



Carter Lake Public Library Board Meeting
July 14, 2025

Library
4:00 pm

Minutes

Roll Call

Present: Patti Midkiff-President, Bonnie Freeman-Vice-President, Delbert Settles, Jodie Sams, Linda Wetherby, Pam Christensen, Mary Allen
Staff Present: Sharon Carr

I. Roll Call of Members

a. Patti called the meeting to order at 3:55 p.m.

II. Disposition of Minutes of Previous Meeting

a. Bonnie made a motion to accept the June minutes. Linda seconded. All in favor.

III. City Financial Report

a. The City has not yet provided the May or June financials, so this is tabled until the August meeting.

IV. Action on Bills

a. Tabling until the August meeting due to having July 2024 information instead of July 2025.

V. Progress and Service Report of the Director

a. Pam motioned to accept the report. Bonnie seconded. All in favor.

VI. Unfinished Business

a. Employee Evaluations – tabled until next month

b. Bookmobile and Travel Expenses – tabled until next month.

VII. New Business

a. Fall/Winter Planning Day – tabled until next month.

b. Computer and Internet Policy – Mary motioned to accept with the addition of “per day” after “youth”. Linda seconded. All in favor. Need to add “Amended July 2025” at the bottom of the document.

c. **Library Board Director (Patti)** – Tiffany took a two-week leave of absence.

VIII. Public Comments from the Library Director, Library Board, and/or Carter



Lake Citizens (3-5 minutes each)

a. Linda – Jacob wanted to attend the meeting but was unavailable today.

IX. Next Board Meeting: August 11, 2025, 4:00 p.m.

X. Adjourn

a. Delbert motioned to adjourn the meeting at 4:39 p.m. Linda seconded. All in favor.



Year in Review

- ★ We added Kaitlyn Watson to our team as Circulation Manager.
- ★ The youth area has dramatic play items such as the kitchen, puppet theater and market.
- ★ The library now has two new book display shelves.
- ★ Adult programs have expanded to include book clubs as well as paint and sip events.
- ★ Expanded general audience programs such as Music Bingo throughout the year.
- ★ Improved the youth book collection particularly nonfiction and early readers.
- ★ Added VOX and IR books to the youth collection.
- ★ Library of Things was added to the library's collection which includes items such as STEM kits, large outdoor games, car battery charger and more.
- ★ A new partnership was formed with the Omaha Symphony. The Omaha Symphony provided free tickets for our patrons for some of their performances.
- ★ The teen area has a giant Lite Brite.
- ★ Kaitlyn has been very busy cleaning up the collection's records in our database. This allows for easier searching and locating books.
- ★ Pam Christensen and Linda Wetherby have been added to our Library Board!
- ★ Just finished up a successful Summer Reading Program! We ended our Summer Reading Program at Carter Lake Days. We had a float in the parade and kids could tie dye bags at our tent at the event!
- ★ I've been busy renewing our community passes and our databases for this upcoming year.
- ★ An overall improvement in the age of the library's book collection. In June of 2024, the age of the overall library's collection was 10 years old. The Adult Fiction section was 18 years old and the Juvenile Fiction was 46 years old. In June of 2025, the overall age of the collection had improved to 7 years old. The Adult Fiction section is now 7 years old and the Juvenile Fiction area is now 11 years old.

What's to Come

- ★ Improve the youth's non-fiction area with newer and more engaging content.
- ★ To have all of the records cleaned up in Apollo.



- ★ Sell library shirts and other merchandise.
- ★ Add a digital archive of Carter Lake's history including newspaper clipping and photos.
- ★ Literacy Initiative: The library will hold a few Family Literacy Nights this year to get families and students excited about reading. The library will expand its Library of Things collection to include Early Literacy Kits for families to check out and work on skills at home.
- ★ To focus on more quality programming- Meggie is partnering with CLCC for a more dynamic storytime. Family Literacy Nights will be held a few times throughout this year. We will continue with the successful Music Bingo nights with the first being in September.
- ★ The library will help out with the 21st Century Club by having a weekly group come on Wednesdays for after school enrichment through the end of the school year.

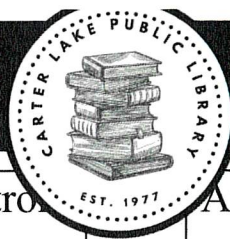


**Library Director's Report
August 11, 2025
4:00 pm**

<u>Month Patron Data</u>	
Monthly Network Usage	1337
Unique Wi-Fi Visitors	256
Computer Usage	307
New Library Cards	10
Renewed Cards	0
Patron Count	1007
Program (Services)	70
Programming (Participants)	704
Circulation	832
E-Audiobooks/Ebooks	297

Community Members who checked out materials from the library in Month saved a total of \$11,543.63

<u>Library Revenue</u>	
Black and White Copies	\$31.70
Color Copies	\$8.75
Fax	\$21.60
Donations	0
Sales (Books)	\$19.75
Fines (Damaged Books)	0
Lamination	\$.25
Library Card (NR)	0
Monthly Total	\$82.05



Annual Statistics 24-25 Patron Data	
Monthly Network Usage	13,910
Unique Wi-Fi Visitors	2568
Computer Usage	2342
New Library Cards	174
Renewed Cards	19
Patron Count	13,366
Program (Services)	642
Programming (Participants)	9381
Circulation	9317
E-Audiobooks/Ebooks	3197

Annual Statistics 24-25 Library Revenue	
Black and White Copies	\$493.21
Color Copies	\$138.87
Fax	\$248.65
Donations	\$55.00
Sales (Books)	\$151.50
Fines (Damaged Books)	\$51.94
Lamination	\$5.75
Library Card (NR)	\$127.00
Annual Total	\$1271.92

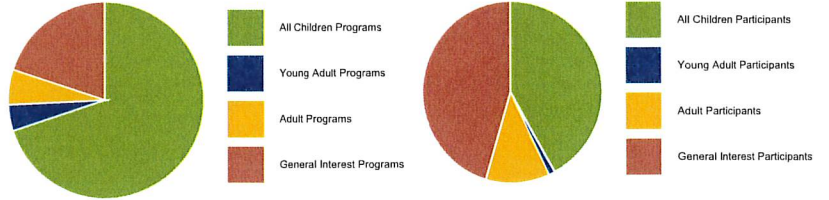
Annual Statistics '23-'24	
Monthly Network Usage	9924
Unique Wi-Fi Visitors	2292
New Library Cards	343
Renewed Library Cards	14
Patron Count	17337
Programs (Services)	645
Number of Participants	8325
Total Circulations	10914
Total EBooks/Audiobooks	2238

Annual Statistics '22-'23	
Monthly Network Usage	2887
Unique Wi-Fi Visitors	758
New Cards	527
Renewed Cards	116
Patron Count	9605
Programs (Services)	316
Programming Participants	2695
Total Circulations	6701
EBooks/Audiobooks	1971

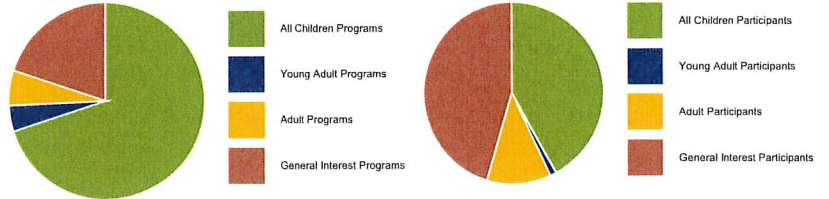
Carter Lake Public Library

July, 2025 - July, 2025

July					
Overview					
All Children Programs	49	70%	All Children Participants	295	41.9%
Young Adult Programs	3	4.29%	Young Adult Participants	8	1.14%
Adult Programs	4	5.71%	Adult Participants	81	11.51%
General Interest Programs	14	20%	General Interest Participants	320	45.45%
Total Programs	70		Total Participants	704	



Year in Review					
Overview					
All Children Programs	49	70%	All Children Participants	295	41.9%
Young Adult Programs	3	4.29%	Young Adult Participants	8	1.14%
Adult Programs	4	5.71%	Adult Participants	81	11.51%
General Interest Programs	14	20%	General Interest Participants	320	45.45%
Total Programs	70		Total Participants	704	



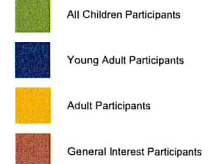
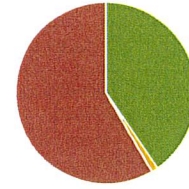
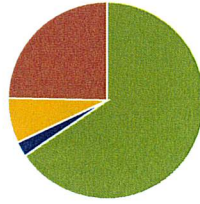
Carter Lake Public Library

July, 2024 - June, 2025

July

Overview

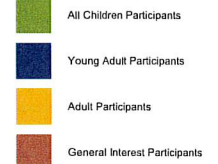
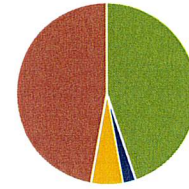
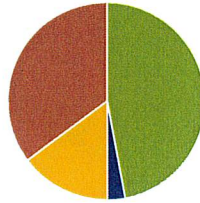
All Children Programs	53	65.43%	All Children Participants	741	40.43%
Young Adult Programs	2	2.47%	Young Adult Participants	0	0%
Adult Programs	6	7.41%	Adult Participants	21	1.15%
General Interest Programs	20	24.69%	General Interest Participants	1071	58.43%
Total Programs	81		Total Participants	1833	



August

Overview

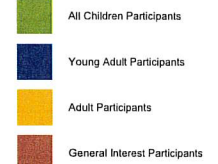
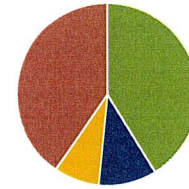
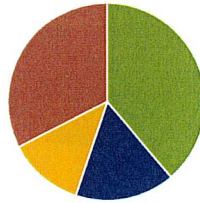
All Children Programs	16	47.06%	All Children Participants	486	44.83%
Young Adult Programs	1	2.94%	Young Adult Participants	25	2.31%
Adult Programs	5	14.71%	Adult Participants	62	5.72%
General Interest Programs	12	35.29%	General Interest Participants	511	47.14%
Total Programs	34		Total Participants	1084	



September

Overview

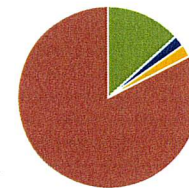
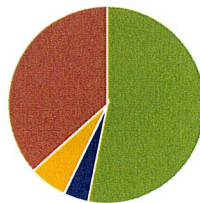
All Children Programs	19	38.78%	All Children Participants	439	41.18%
Young Adult Programs	8	16.33%	Young Adult Participants	111	10.41%
Adult Programs	6	12.24%	Adult Participants	85	7.97%
General Interest Programs	16	32.65%	General Interest Participants	431	40.43%
Total Programs	49		Total Participants	1066	



October

Overview

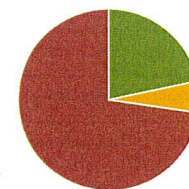
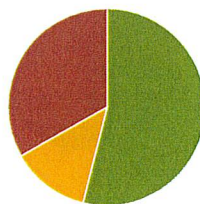
All Children Programs	26	53.06%	All Children Participants	148	13.35%
Young Adult Programs	2	4.08%	Young Adult Participants	22	1.98%
Adult Programs	3	6.12%	Adult Participants	24	2.16%
General Interest Programs	18	36.73%	General Interest Participants	915	82.51%
Total Programs	49		Total Participants	1109	



November

Overview

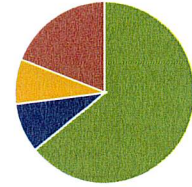
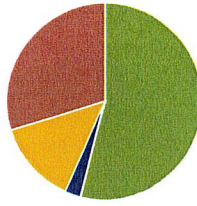
All Children Programs	21	53.85%	All Children Participants	124	21.72%
Young Adult Programs	0	0%	Young Adult Participants	0	0%
Adult Programs	5	12.82%	Adult Participants	32	5.6%
General Interest Programs	13	33.33%	General Interest Participants	415	72.68%
Total Programs	39		Total Participants	571	



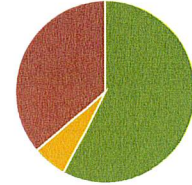
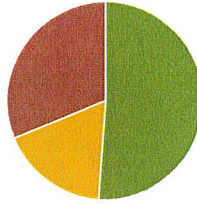
Carter Lake Public Library

July, 2024 - June, 2025

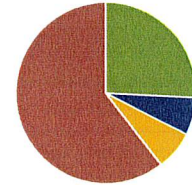
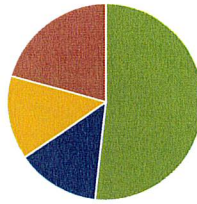
December					
Overview					
All Children Programs	20	54.05%	All Children Participants	290	64.16%
Young Adult Programs	1	2.7%	Young Adult Participants	40	8.85%
Adult Programs	5	13.51%	Adult Participants	36	7.96%
General Interest Programs	11	29.73%	General Interest Participants	86	19.03%
Total Programs	37		Total Participants	452	



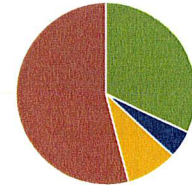
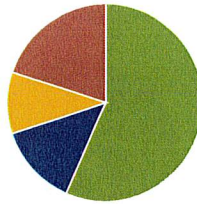
January					
Overview					
All Children Programs	23	51.11%	All Children Participants	256	57.79%
Young Adult Programs	0	0%	Young Adult Participants	0	0%
Adult Programs	8	17.78%	Adult Participants	27	6.09%
General Interest Programs	14	31.11%	General Interest Participants	160	36.12%
Total Programs	45		Total Participants	443	



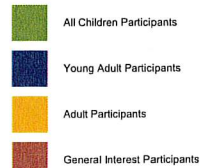
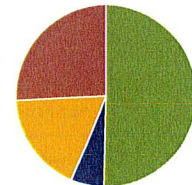
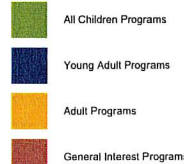
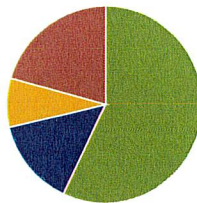
February					
Overview					
All Children Programs	30	51.72%	All Children Participants	134	25.82%
Young Adult Programs	8	13.79%	Young Adult Participants	35	6.74%
Adult Programs	8	13.79%	Adult Participants	36	6.94%
General Interest Programs	12	20.69%	General Interest Participants	314	60.5%
Total Programs	58		Total Participants	519	



March					
Overview					
All Children Programs	34	56.67%	All Children Participants	119	31.99%
Young Adult Programs	8	13.33%	Young Adult Participants	18	4.84%
Adult Programs	6	10%	Adult Participants	34	9.14%
General Interest Programs	12	20%	General Interest Participants	201	54.03%
Total Programs	60		Total Participants	372	



April					
Overview					
All Children Programs	36	57.14%	All Children Participants	170	50.45%
Young Adult Programs	9	14.29%	Young Adult Participants	20	5.93%
Adult Programs	5	7.94%	Adult Participants	60	17.8%
General Interest Programs	13	20.63%	General Interest Participants	87	25.82%
Total Programs	63		Total Participants	337	



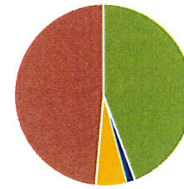
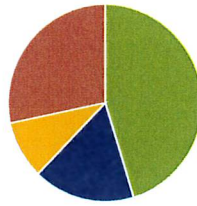
Carter Lake Public Library

July, 2024 - June, 2025

May

Overview

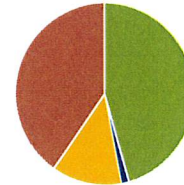
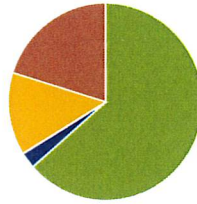
All Children Programs	24	45.28%	All Children Participants	367	44.38%
Young Adult Programs	9	16.98%	Young Adult Participants	13	1.57%
Adult Programs	5	9.43%	Adult Participants	46	5.56%
General Interest Programs	15	28.3%	General Interest Participants	401	48.49%
Total Programs	53		Total Participants	827	



June

Overview

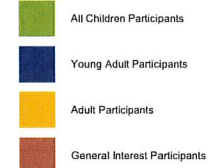
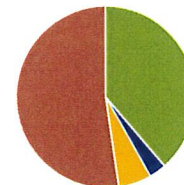
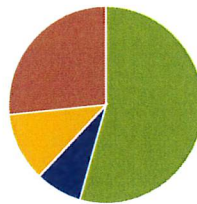
All Children Programs	47	63.51%	All Children Participants	351	45.7%
Young Adult Programs	2	2.7%	Young Adult Participants	11	1.43%
Adult Programs	10	13.51%	Adult Participants	97	12.63%
General Interest Programs	15	20.27%	General Interest Participants	309	40.23%
Total Programs	74		Total Participants	768	



Year in Review

Overview

All Children Programs	349	54.36%	All Children Participants	3625	38.64%
Young Adult Programs	50	7.79%	Young Adult Participants	295	3.14%
Adult Programs	72	11.21%	Adult Participants	560	5.97%
General Interest Programs	171	26.64%	General Interest Participants	4901	52.24%
Total Programs	642		Total Participants	9381	



Carter Lake Public Library

July-2025

In July, 256 unique patrons used your library WiFi. On average, these patrons visited to use the WiFi on just under 5 individual days.

Change from prior month



1337 ↓ -5.38%

Monthly Sessions



1163 ↓ -2.02%

Total Visits



256 ↑ 2.4%

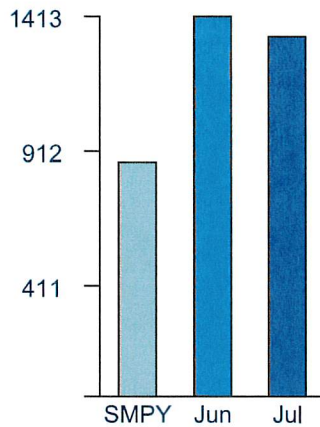
Unique Visitors



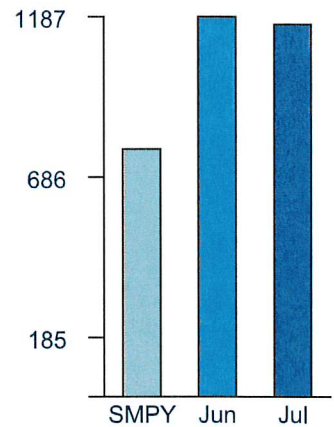
4.54 ↓ -4.42%

Average Return Rate

Total Monthly Session Count

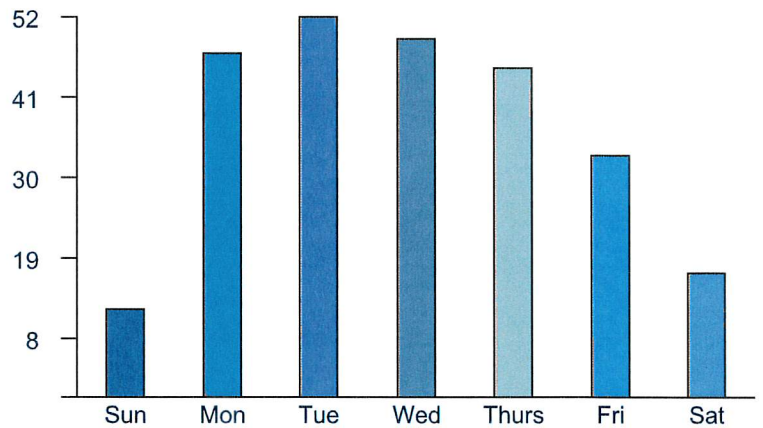


Total Monthly Visits

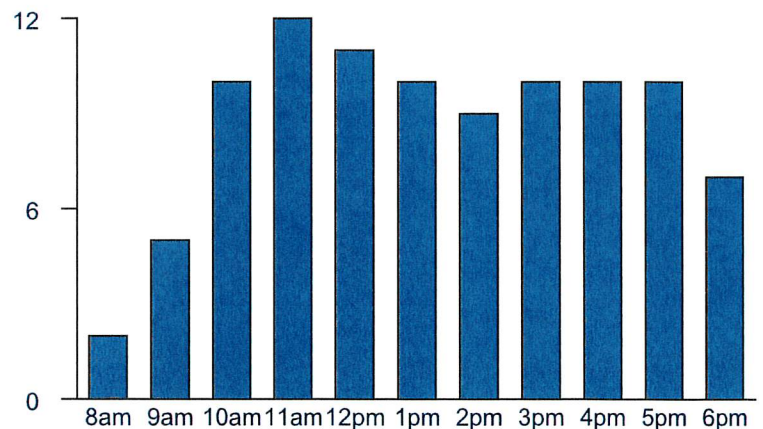


*SMPY: Same Month Prior Year

Average Daily Visits



Average Peak Hourly





Codes With Descriptions

	Totals	
ADMIN - ADMINISTRATIVE ASSIGNMENT	8	8
ALAB - BUSINESS ALARM	9	9
ANIMAL - ANIMAL COMPLAINT	12	12
ARES - RESIDENTIAL OR HOME ALARM	2	2
ARMED - ARMED SUBJECT	1	1
ASLE - ASSIST LAW ENFORCEMENT	1	1
ASSA - ASSAULT	6	6
BDC - BROADCAST	4	4
BURG - BURGLARY	5	5
CIVIL - CIVIL PAPERS, CIVIL SITUATION, KEEP THE PEACE	2	2
CLEAR - CLEAR THE LOT	5	5
CLOC - CHECK LOCATION	49	49
COMMIT - EMERGENCY COMMITAL	1	1
COMPLAINT - COMPLAINT REPORT	8	8
CRIM - CRIMINAL MISCHIEF OR VANDALISM	2	2
CWEL - CHECK THE WELFARE	25	25
CWEL - CHECK THE WELFARE; E26 - SICK PERSON (SPECIFIC DIAGNOSIS)	3	3
DISTBAR - DISTURBANCE AT A BAR	1	1
DIST - DISTURBANCE	23	23
E17 - FALLS; ASFD - ASSIST FIRE DEPARTMENT	1	1
E21 - HEMORRHAGE/LACERATIONS	1	1
E31 - UNCONSCIOUS/FAINTING (NEAR)	1	1
FOLL - FOLLOW UP	19	19
FWKS - FIREWORKS	6	6
HARR - HARASSMENT	1	1
INTO - INTOXICATED SUBJECT	3	3
JUV - JUVENILE PROBLEMS	2	2

Codes With Descriptions**Totals**

MIP - MINOR IN POSSESSION	1	1
MOTA - MOTORIST ASSIST	3	3
NOIS - NOISE COMPLAINTS	3	3
PARKING - PARKING PROBLEMS, CONTINUOUSLY PARKED VEHICLE	9	9
PCUS - PROTECTIVE CUSTODY OR EX PARTE ORDER	1	1
PDHR - PROPERTY DAMAGE HIT AND RUN	4	4
PD - PROPERTY DAMAGE ACCIDENT	1	1
REST - PROTECTIVE OR RESTRAINING ORDER VIOLATION	1	1
SEARCH - SEARCH WARRANT	1	1
SEXU - SEXUAL ASSAULT	2	2
SHOP - SHOPLIFTER	1	1
STNV - STOLEN VEHICLE	2	2
SUSP - SUSPICIOUS ACTIVITY	19	19
THEFT - THEFT	9	9
THREAT - THREATS	1	1
TRAFFIC - TRAFFIC STOP	179	179
TRAFFP - TRAFFIC PROBLEM	2	2
TRESPASS - TRESPASSING	22	22
VICE - DRUGS, PROSTITUTION, VICE ASSIGNMENT	4	4
WANTED - WANTED PERSON	8	8
Totals	474	474



Carter Lake Iowa Police Department

950 E Locust St, Carter Lake, IA 51510

Phone (712) 347-5920 Fax (712) 347-6486

CLPD Monthly Arrest Report

Printed on July 31, 2025

Case Number	Charges	Arrest Date	Last, First Name	Address
CL25-000545	OWI -- 1st Offense	06/29/25	STARKS, REGINA	1031 AVENUE H,
CL25-000541	DRIVING WHILE BARRED -	06/29/25	LANDON, JAMIE	3500 N 9TH ST,
CL25-000539	Trespass -- Refuse to Vacate, \$0	06/28/25	LAWRIE, JAMES	1202 E LOCUST ST,
CL25-000537	Possess Drug Paraphernalia	06/28/25	ANGELI, RACHEL	1202 E LOCUST ST,
CL25-000491	Theft 4th -- All Other Larceny - \$300	06/11/25	PICHO GOMEZ, JOSE	N 9TH ST / REDICK
CL25-000491	Theft 4th -- All Other Larceny - \$300	06/11/25	HERRERA,	N 9TH ST / REDICK
CL25-000530	Possession Of A Controlled	06/24/25	TURNER, XZANDRIA	WILLOW DR, CARTER
CL25-000502	GENERAL PURPOSE REPORT	06/15/25	DEEDS, DAKOTA	1201 SILVER LN,
CL25-000497	Improper Rear Lamps; NO VALID	06/14/25	MASON, YANIECE	1201 AVENUE H,
CL25-000481	Possession Of A Controlled	06/09/25	CHILES, SHAKEYA	1103 E LOCUST ST,
CL25-000481	Possession Of A Controlled	06/09/25	GRIER, ASHLEY	1103 E LOCUST ST,
CL25-000481	Possession Of A Controlled	06/09/25	BASS, TRICIA	1103 E LOCUST ST,
CL25-000519	Provide False Identification	06/20/25	SPEEKS, FA-TRAUN	800 E. LOCUST ST.,
CL25-000464	GENERAL PURPOSE REPORT	06/04/25	PETERSON, BRIAN	1031 AVENUE H,

Case Number	Charges	Arrest Date	Last, First Name	Address
CL25-000522	Fugitive From Justice - 1989;	06/21/25	BAILEY, NATHAN	1600 E LOCUST ST,
CL25-000480	Theft 5th -- Possession of Stolen	06/08/25	HOTZ, MAGGIE	1031 AVE H, CARTER
CL25-000457	Trespass -- Refuse to Vacate, \$0	06/01/25	TAJOURI, RADIA	2020 ABBOTT DR,
CL25-000533	Interfere w/ Official Acts, \$0	06/27/25	GILLESPIE, BIANCA	ABBOTT DR / OWEN
CL25-000505	Public Intoxication -- 1st Off	06/17/25	TAYLOR, CHARLES	2510 ABBOTT PLZ,
CL25-000474	Possession Of A Controlled	06/07/25	MITCHELL, CARTER	KEY CIR, CARTER
CL25-000501	Possession Of Controlled Substance	06/15/25	JUHL, JUSTIN	1002 REDICK BLVD,
CL25-000456	Domestic Abuse Assault, Resident	06/01/25	BROCK, STEVEN	1501 AVE N, CARTER
CL25-000544	Provide False Identification	06/29/25	OSTRAND, JACK	1300 REDICK BLVD,
CL25-000535	Possession Of A Controlled	06/27/25	DORSEY, JAMES	300 E LOCUST
CL25-000508	Public Intoxication -- 1st Off	06/18/25	SCOTT, HOOVER	1031 AVE H, CARTER
CL25-000507	Fugitive From Justice - 1989	06/17/25	WILLIAMS, LASHAWN	2200 ABBOTT DRIVE,
CL25-000503	Public Intoxication -- 1st Off	06/16/25	MARCELIS, BRENT	1201 AVE H, CARTER
CL25-000494	GENERAL PURPOSE REPORT	06/12/25	BARBER, RANDY	1031 AVE H, CARTER
CL25-000492	Possession Of Controlled Substance	06/12/25	FLOTT, MICHELLE	1202 SILVER LANE,
CL25-000492	Possession Of A Controlled	06/12/25	WEIDEMAN, DAKOTA	1202 SILVER LANE,
CL25-000489	GENERAL PURPOSE REPORT	06/11/25	HOWELL, BRIAN	1100 REDICK BLVD,
CL25-000477	Trespass -- Refuse to Vacate, \$0	06/11/25	HOWELL, BRIAN	1000 WILLOW DRIVE,

Case Number	Charges	Arrest Date	Last, First Name	Address
CL25-000479	Public Intoxication -- 1st Off	06/07/25	CRIMS, DEVON	1650 E LOCUST
CL25-000475	Fail to Yield Upon Entering	06/06/25	FREDERIKSEN,	1100 REDICK BLVD,
CL25-000466	Trespass -- Refuse to Vacate, \$0	06/04/25	SIGNORILE,	1202 E LOCUST
CL25-000465	HOLD FOR OTHER IOWA	06/04/25	Katskee, Kimberly	2200 ABBOTT DRIVE,
CL25-000462	HOLD FOR OTHER IOWA	06/03/25	JERNIGAN, JEREMY	1000 AVE K, CARTER
CL25-000461	Violation Of No Contact/Protective	06/02/25	HOUSLEY, SAVANNA	700 AVE K, CARTER
CL25-000500	Domestic Abuse Assault, 1st Off	06/15/25	PATENT, JOSEPH	1314 HIATT ST,

Total Records: 39

GENERAL NOTES:

- A. NOTIFY OWNER AND ENGINEER AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
- B. COMPLETE ALL CONSTRUCTION IN ACCORDANCE WITH CURRENT EDITION OF IOWA STATEWIDE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS CURRENT EDITION AND PLANS AND SPECIFICATIONS FOR THIS PROJECT.
- C. LOCATION OF EXISTING UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES SHOWN ARE FROM AVAILABLE SURVEYS AND RECORDS. THESE LOCATIONS SHOULD BE CONSIDERED AS APPROXIMATE ONLY, WITH POSSIBILITY THAT OTHER UTILITIES OR UNDERGROUND FEATURES MAY EXIST. DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES WITHIN CONSTRUCTION LIMITS.
- D. NOTIFY UTILITY COMPANIES PRIOR TO COMMENCING WORK. AVOID DAMAGE TO UTILITIES AND UNDERGROUND FEATURES DURING CONSTRUCTION. REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OPERATIONS AT CONTRACTOR'S EXPENSE.
- E. COORDINATE CONSTRUCTION OPERATIONS AND COOPERATE WITH UTILITY COMPANIES WITH RESPECT TO RELOCATING ANY CONFLICTING FACILITIES. COSTS FOR LOCATING EXISTING UTILITIES, COORDINATING RELOCATION WORK, PROVIDING TEMPORARY SUPPORTS, AND STAGING CONSTRUCTION TO ACCOMMODATE THE RELOCATION OF UTILITIES IS INCIDENTAL TO CONSTRUCTION.
- F. PROVIDE TEMPORARY SUPPORT FOR EXISTING UTILITY LINES THAT ARE ENCOUNTERED DURING CONSTRUCTION UNTIL BACKFILLING IS COMPLETED.
- G. CONSTRUCTION LIMITS ARE WITHIN 30' ROADWAY RIGHT-OF-WAY AREAS AS SHOWN ON THESE PLANS. CONFINE ALL CONSTRUCTION ACTIVITY TO WITHIN THE CONSTRUCTION LIMITS UNLESS OTHERWISE AUTHORIZED BY THE OWNER.
- H. LIMIT GRADING AND CONSTRUCTION OPERATIONS TO THE MINIMUM REQUIRED TO COMPLETE THE PROJECT. CONTRACTOR REQUIRED TO PAY DAMAGES TO RESPECTIVE PARTIES FOR DAMAGE TO CROPLAND CAUSED BY CONSTRUCTION ACTIVITIES OUTSIDE OF THE CONSTRUCTION LIMITS IN ADDITION TO THE RESTORATION, AT NO COST TO OWNER.
- I. COORDINATE THE CONSTRUCTION TO MINIMIZE THE DISRUPTIONS TO THE ADJACENT PROPERTIES. ANY AREAS DISTURBED BY CONSTRUCTION OUTSIDE OF THE CONSTRUCTION LIMITS SHALL BE REPAIRED AND RESTORED AT THE CONTRACTOR'S EXPENSE.
- J. DO NOT RESTRICT DRAINAGE CHANNELS AND PROTECT ALL EXISTING DRAINAGE STRUCTURES. CONTRACTOR FULLY LIABLE FOR ALL DAMAGES TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THEIR ACTION OR INACTION IN THE HANDLING OF STORM WATER FLOWS DURING CONSTRUCTION. ANY EXTRA GRADING WORK NEEDED TO MAINTAIN POSITIVE DRAINAGE WITHIN THE CONSTRUCTION LIMITS IS INCIDENTAL TO CONSTRUCTION.
- K. REPAIR ALL FIELD/DRAIN TILES THAT ARE ENCOUNTERED DURING CONSTRUCTION AS SPECIFIED. RECORD THE EXISTING TYPE, SIZE, LOCATION AND DEPTH OF ALL FIELD/DRAIN TILES ENCOUNTERED AND REPAIRED DURING CONSTRUCTION. PROVIDE DATA TO THE ENGINEER FOR INCORPORATION INTO THE RECORD DRAWINGS.
- L. PROTECT AND KEEP DEBRIS DEPOSITED BY THE CONSTRUCTION OFF OF ADJACENT PROPERTIES OUTSIDE THE EASEMENT AREA AND STREETS. REMOVE AND REPAIR ANY DAMAGE WITHOUT ADDITIONAL COMPENSATION.
- M. AS NECESSARY FOR CONSTRUCTION, THE CONTRACTOR SHALL REMOVE EXISTING IMPROVEMENTS WITHIN THE WORK AREA SHOWN ON THE PLAN AS "REMOVE & REPLACE" AND SHALL REPLACE THEM TO THE CONDITION EXISTING PRIOR TO CONSTRUCTION, OR BETTER, AS DETERMINED BY THE ENGINEER. THE REMOVAL AND REPLACEMENT WORK IS INCIDENTAL AND ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE BID.
- N. PROTECT AND SAVE ALL PROPERTY CORNER MONUMENTS. REPLACE IF REMOVED OR DAMAGED.
- O. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH CURRENT STATE OF IOWA APPROVED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- P. DO NOT STORE EQUIPMENT AND/OR MATERIALS WITHIN RAILROAD AND PUBLIC RIGHT OF WAY ON STREETS OPEN TO TRAFFIC. PROVIDE AREAS AS NEEDED FOR STORAGE OF EQUIPMENT AND/OR MATERIALS.
- Q. REMOVE AND REPLACE, OR REPAIR ALL ROAD SURFACES AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO THEIR ORIGINAL CONDITION AND/OR TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- R. EXERCISE EXTREME CARE WHEN PERFORMING ANY NECESSARY SAW CUTTING OPERATIONS FOR THE REMOVAL OF EXISTING PAVEMENT. PROTECT ADJACENT STREET SURFACING. REMOVE AND REPLACE DAMAGED SURFACING WITHOUT ADDITIONAL COMPENSATION.
- S. COMPACT ALL TRENCH BACKFILL, UNDER PAVED SURFACES, AND WITHIN RIGHT-OF-WAY TO 95% STANDARD PROCTOR DENSITY.
- T. SURFACE RESTORATION INCLUDES THE REMOVAL OF ALL GRANULAR MATERIAL FROM THE TOP 6 INCHES OF TOPSOIL. THIS WORK IS INCIDENTAL TO CONSTRUCTION.
- U. OWNER HAS FIRST RIGHT OF REFUSAL TO RETAIN ANY MATERIAL REMOVED FROM THE PROJECT AREA. IF DIRECTED, DELIVER ITEMS OR MATERIALS TO OWNER AT LOCATION DESIGNATED BY THE PUBLIC WORKS DEPARTMENT. DISPOSE OF NON-SALVAGEABLE MATERIALS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- V. PROVIDE WASTE AREAS OR DISPOSAL SITES FOR WASTE MATERIAL (ASPHALTIC CONCRETE, STEEL OR BROKEN CONCRETE). NO EXTRA PAYMENTS WILL BE MADE FOR MATERIAL HAULED TO THESE SITES. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS. DO NOT PLACE WASTE MATERIAL WITHIN THE RIGHT-OF-WAY. KEEP CONSTRUCTION DEBRIS AND DIRT OFF OF THE ADJACENT PROPERTIES AND STREETS.

- W. ASSIST ENGINEER'S FIELD REPRESENTATIVE WITH DAILY RECORD KEEPING INCLUDING ALL NECESSARY FIELD LOCATIONS AND MEASUREMENTS. CONTRACTOR REQUIRED TO ATTEND FINAL AND INTERMEDIATE INSPECTIONS OF PROJECT, OPEN ALL MANHOLES FOR INSPECTION.
- X. DIMENSIONS, STREET LOCATIONS, UTILITIES, AND GRADING ARE BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. DEVIATIONS MAY BE NECESSARY IN THE FIELD. REPORT ANY SUCH CHANGES OR CONFLICTS BETWEEN THE PLAN AND FIELD CONDITIONS TO PROJECT ENGINEER IMMEDIATELY.
- Y. IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY ESTIMATES AND THE DETAILED PLANS, THE DETAILED PLANS SHALL GOVERN.
- Z. PROVIDE EROSION CONTROL MEASURES NECESSARY TO PROTECT AGAINST SILTATION, EROSION AND DUST POLLUTION WITHIN CONSTRUCTION LIMITS AND ANY OFF-SITE AREAS USED FOR THIS PROJECT. COMPLY WITH SOIL EROSION CONTROL REQUIREMENTS OF IOWA CODE AND LOCAL ORDINANCES.

ESTIMATED QUANTITIES



I:\Projects\110221\123_013_10A\DOCS\GENERAL NOTES AND ESTIMATED QUANTITIES_20260808_10:30 AM_ANSI FULL BLEED B (17.00 X 11.00 INCHES).

MARK	REVISION	DATE	BY
Engineer: EAH	Checked By: BMP	Scale: 1" =	
Technician: LDB	Date: 08-06-2025	T-R-S: TTN+RRW+SS	
Project No.: 123.1013.10			Sheet A.2

CARTER LAKE FLOW MONITORING

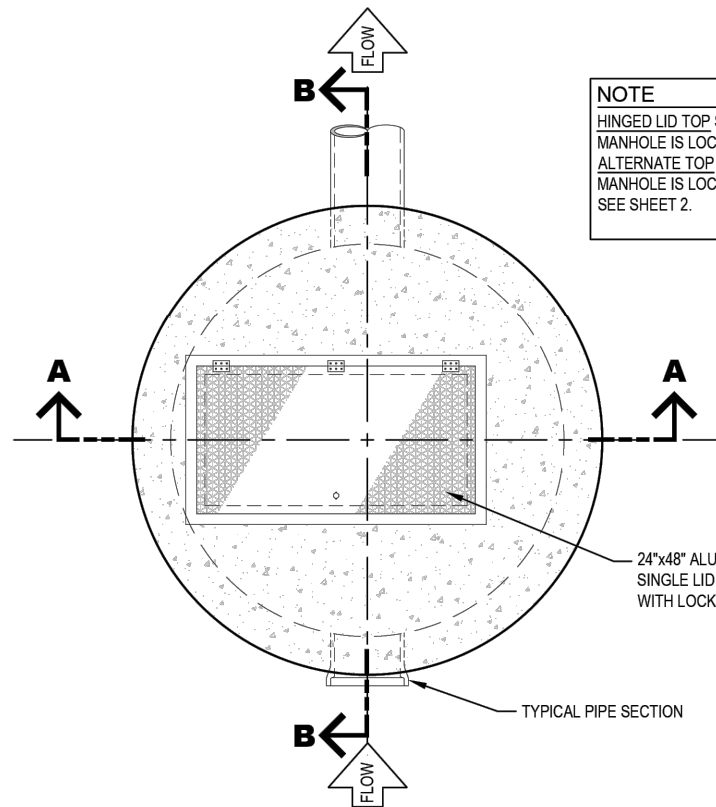
GENERAL NOTES AND ESTIMATED QUANTITIES

CARTER LAKE, IOWA

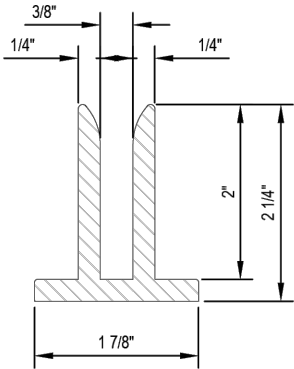
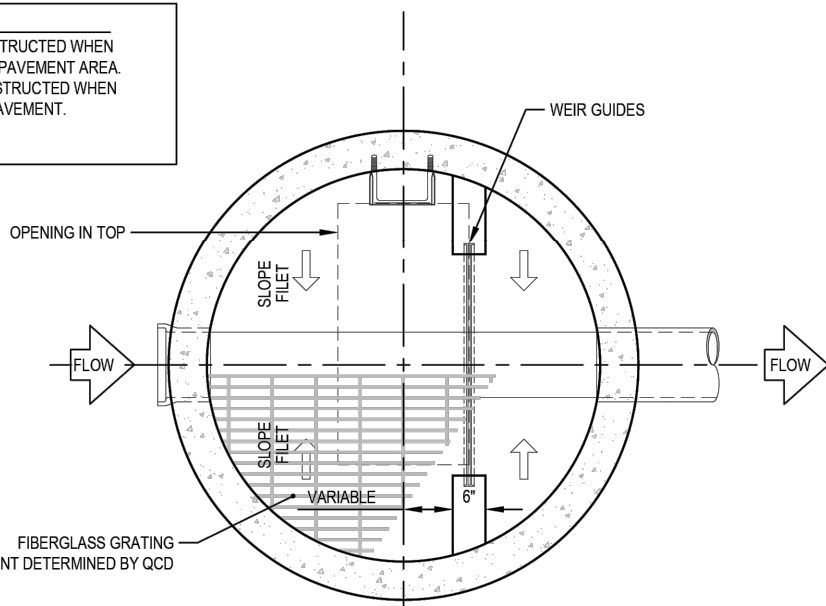
SNYDER & ASSOCIATES, INC.

2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com





NOTE
 HINGED LID TOP SHALL BE CONSTRUCTED WHEN MANHOLE IS LOCATED OUTSIDE PAVEMENT AREA.
 ALTERNATE TOP SHALL BE CONSTRUCTED WHEN MANHOLE IS LOCATED WITHIN PAVEMENT.
 SEE SHEET 2.



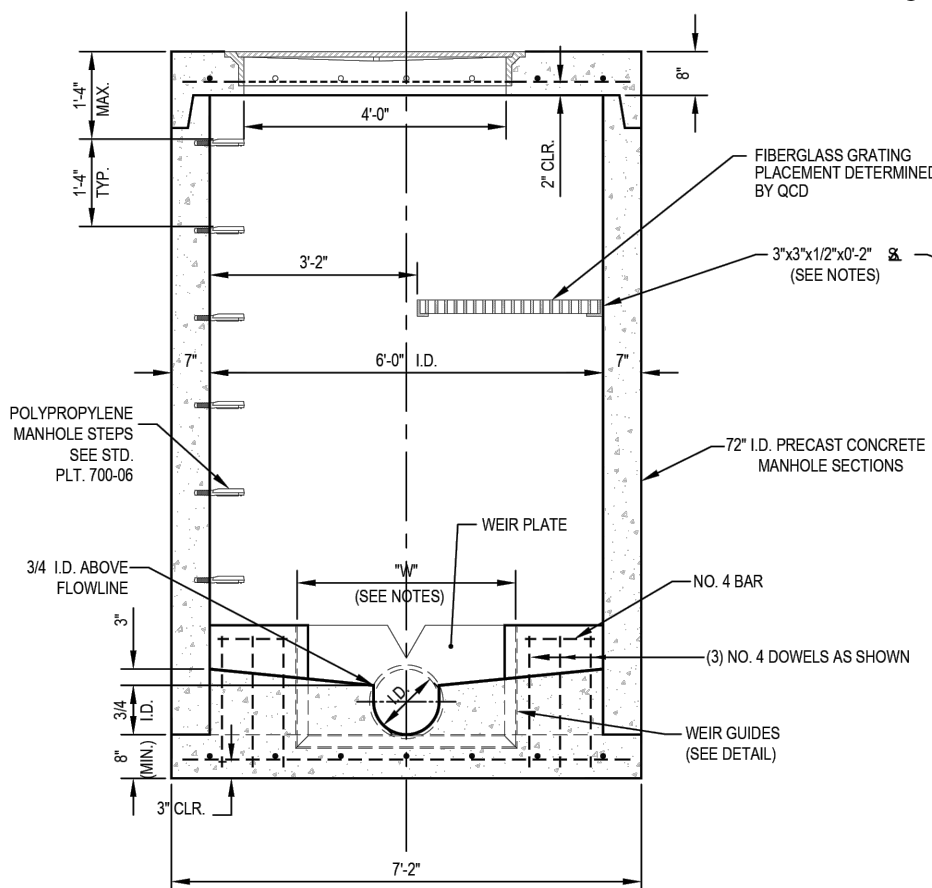
WEIR GUIDE DETAIL

NOTES

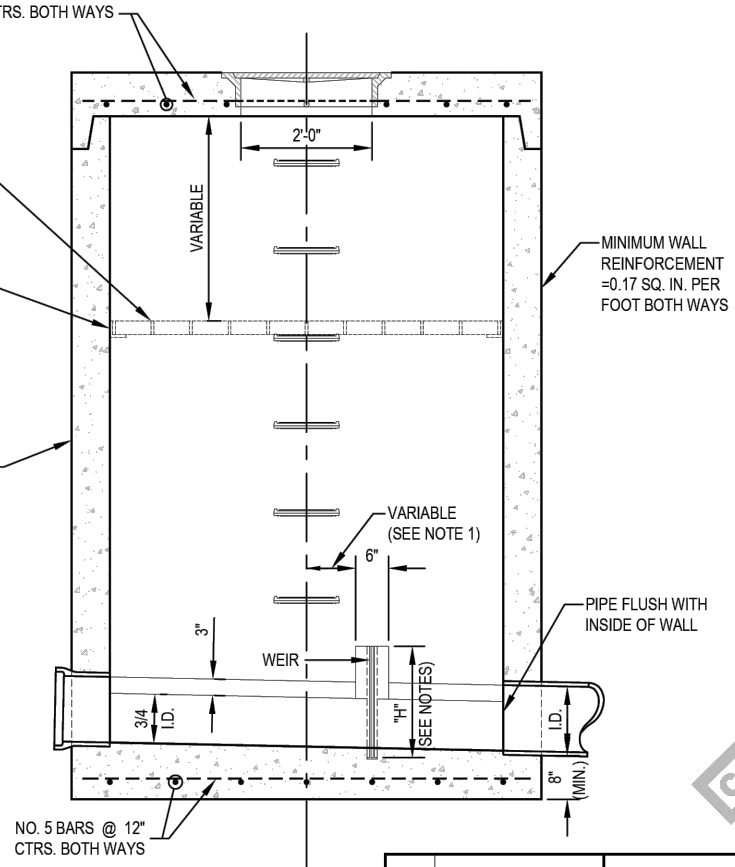
1. QUALITY CONTROL DIVISION (QCD) MUST VERIFY THE DIMENSIONS AND TOLERANCES OF THE GUIDES AND WEIR PLATE BEFORE INSTALLATION.
2. INDUSTRY SHALL PROVIDE ANTICIPATED MAXIMUM AND MINIMUM FLOW RATES IN GALLONS PER MINUTE (GPM) OR CUBIC FEET PER SECOND (CFS) TO QCD FOR SIZING PURPOSES.
3. QCD MUST INSPECT FORMS BEFORE POURING CONCRETE AND AFTER TO VERIFY PROPER INSTALLATION AND TO ENSURE TOLERANCE ARE WITHIN SPECIFICATION. CONTACT QCD: (402)444-3915 (FIELD CREW SUPERVISOR) TO ARRANGE INSPECTIONS.
4. ALL DIMENSIONS SHALL BE PROVIDED BY QCD.
5. WEIR GUIDES AND 1/2" WEIR PLATE MUST BE FABRICATED FROM TYPE 304 STAINLESS STEEL.
6. ALL DIMENSIONS OF V-NOTCH + OR - 1/64TH INCH.
7. ALL WEIR PLATE SURFACES MUST BE MILLED, LEVEL, AND PLUMB.
8. ENTIRE V-NOTCH MUST HAVE A 60 DEGREE DOWNSTREAM CHAMFERED EDGE (SEE SHEET 3).
9. V-NOTCH MUST COME TO A SHARP DEFINED POINT.
10. WEIR PLATE MUST REST IN WEIR GUIDES LEVEL AND PLUMB.
11. THE UPSTREAM APPROACH PIPE TO THE SMH MUST BE STRAIGHT (NO TIE INS, BENDS OR TURNS). THE MINIMUM LENGTH OF THE APPROACH PIPE SHALL BE EQUAL TO OR GREATER THAN 25 TIMES THE DIAMETER OF THE PIPE.
12. THE UPSTREAM AND DOWNSTREAM PIPE MUST HAVE A UNIFORM SLOPE AND BE DESIGNED SO THE APPROACHING FLOW IS RELATIVELY FREE OF TURBULENCE. PROVIDE QCD WITH % SLOPE FOR APPROVAL. THE MINIMUM INSIDE DEPTH OF SAMPLING MANHOLES SHALL BE 4'.
13. HINGED TOP LID SHALL BE CONSTRUCTED WHEN THE SAMPLING MANHOLE IS LOCATED OUTSIDE PAVEMENT AREA. ALTERNATE TOP SHALL BE CONSTRUCTED WHEN SAMPLING MANHOLE IS LOCATED WITHIN PAVEMENT (SEE SHEET 2).
14. THE CONCRETE TOP MAY BE PRECAST OR CAST IN PLACE.
15. STAINLESS STEEL SUPPORT ANGLES FOR GRATING SHALL BE FASTENED TO THE WALLS WITH STAINLESS STEEL CONCRETE ANCHORS.
16. GRATING PLACEMENT TO SMH SHALL BE DETERMINED BY QCD.
17. GRATING AND APPURTENANCES SHALL BE DESIGNED TO CARRY A UNIFORM LIVE LOAD OF 250PSF AND A 500 LB CONCENTRATED LOAD AT THE MIDPOINT.
18. A LAYER OF ALUMILASTIC CONSISTENCY C, C-1, OR K, OR APPROVED EQUAL, SHALL BE PLACED BETWEEN ALUMINUM COMPONENTS AND ALL CONCRETED CONTACT POINTS.
19. PRECAST CONCRETE MANHOLE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THIS STANDARD PLATE AND SANITARY MANHOLE REQUIREMENTS IN SECTION 700 OF THE MOST CURRENT VERSION OF 'THE CITY OF OMAHA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION'.
20. 72" I.D. MANHOLE SHALL BE MANUFACTURED ACCORDING TO A.S.T.M. STANDARD SPECIFICATION C478 EXCEPT AS NOTED. USE 7" WALL THICKNESS.
21. SAMPLING MANHOLES SHALL BE LOCATED SO ACCESS IS AVAILABLE TO SAMPLING CREWS AT ALL TIMES.
22. MANHOLES ON PRIVATE PROPERTY SHALL BE LOCATED SO THEY ARE UNOBSTRUCTED BY PARKED OR MOVING VEHICLES.
23. IF THE FINAL QCD INSPECTION DETERMINES THE METERING DEVICE/PIPING DOES NOT MEET TOLERANCES OR SPECIFICATIONS THE INSTALLATION WILL BE REJECTED.
24. REINFORCING SHALL BE PLACED WITH A TOLERANCE OF -1/4" AND +1/2" ON CLEARANCE.

CALL QCD BEFORE PROCEEDING

MANHOLE PLAN.....OUTSIDE PAVEMENT



SECTION A-A



SECTION B-B

THE ORIGINAL, SIGNED AND SEALED DOCUMENTS CAN BE VIEWED AT:
 CITY OF OMAHA PUBLIC WORKS, CITY HALL,
 1819 FARNAM STREET, SUITE 600,
 OMAHA, NE 68183

Designed by: <i>Krista Wassenaar</i> DESIGN ENGINEER
Checked by: <i>[Signature]</i> CITY ENGINEER

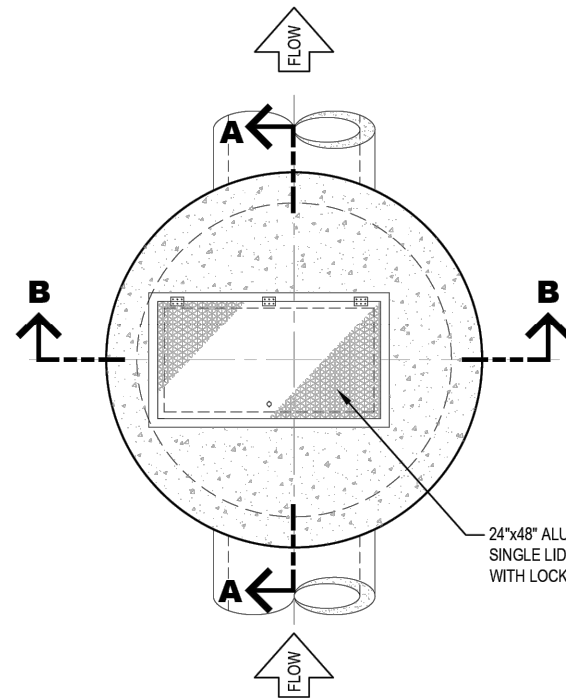
CITY OF OMAHA	PUBLIC WORKS DEPARTMENT
SAMPLING MANHOLES	WEIR TYPE

STANDARD PLATE 708-01	SHEET 1/3
ISSUE DATE: February 13, 2024	

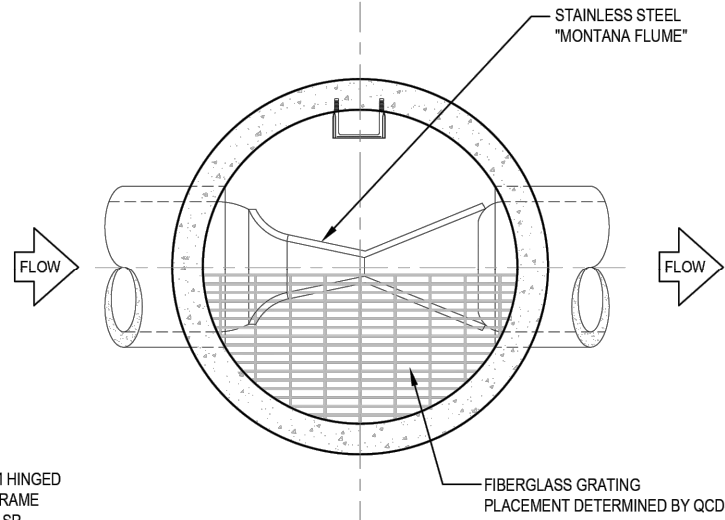
MARK	REVISION	DATE	BY
Engineer: EAH	Checked By: BMP	Scale: 1" = NA	
Technician: LDB	Date: 08-06-2025	T-R-S: TTN-RRW-SS	

CARTER LAKE, IOWA
DETAILS
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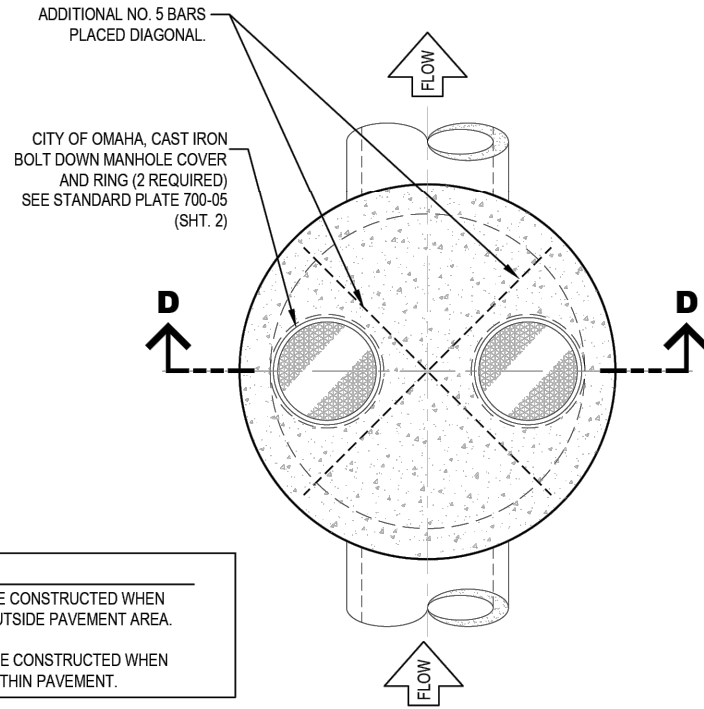


MANHOLE PLAN OUTSIDE PAVEMENT



INTERIOR PLAN

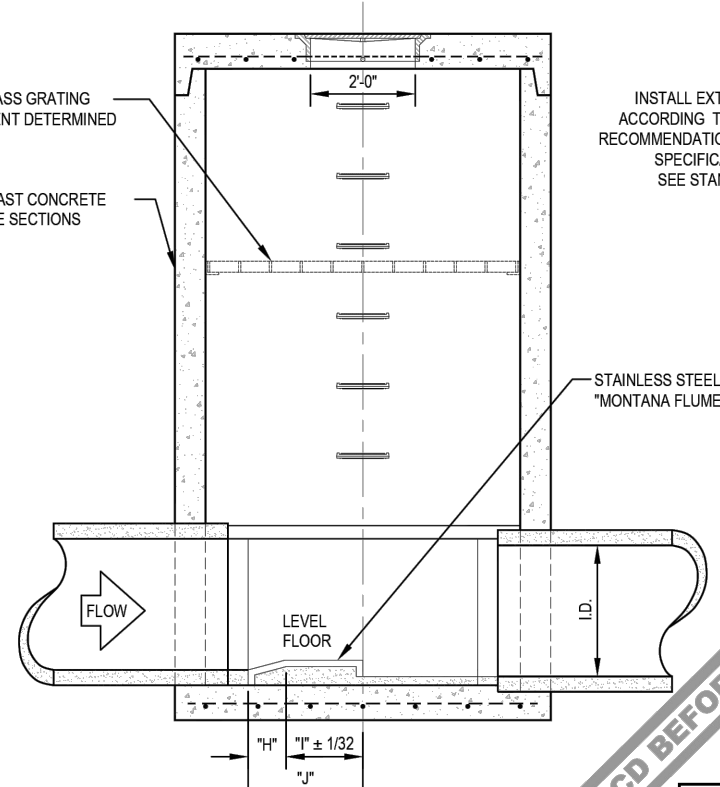
NOTE
HINGED LID TOP SHALL BE CONSTRUCTED WHEN MANHOLE IS LOCATED OUTSIDE PAVEMENT AREA.
ALTERNATE TOP SHALL BE CONSTRUCTED WHEN MANHOLE IS LOCATED WITHIN PAVEMENT.



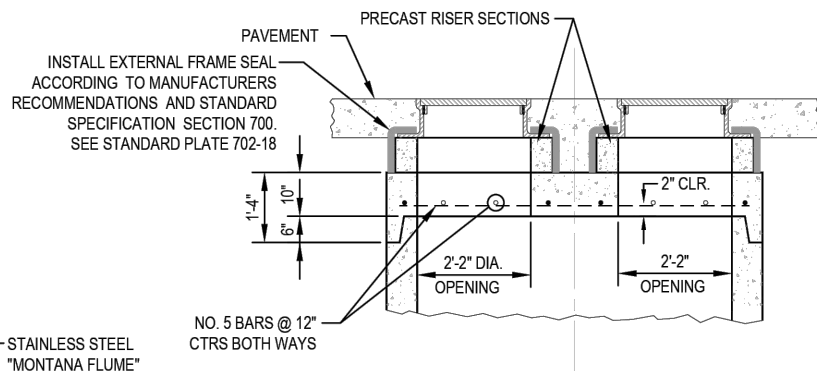
**ALTERNATE TOP
MANHOLE LOCATED WITHIN PAVEMENT**



SECTION B-B



SECTION A-A



SECTION D-D

CALL QCD BEFORE PROCEEDING

NOTES

1. QUALITY CONTROL DIVISION (QCD) MUST VERIFY THE DIMENSIONS AND TOLERANCES OF THE FLUME BEFORE INSTALLATION.
2. INDUSTRY SHALL PROVIDE ANTICIPATED MAXIMUM AND MINIMUM FLOW RATES IN GALLONS PER MINUTE (GPM) OR CUBIC FEET PER SECOND (CFS) TO QCD FOR SIZING PURPOSES.
3. QCD MUST INSPECT FORMS BEFORE POURING CONCRETE AND AFTER TO VERIFY PROPER INSTALLATION AND TO ENSURE TOLERANCE ARE WITHIN SPECIFICATION. CONTACT QCD: (402)444-3915 (FIELD CREW SUPERVISOR) TO ARRANGE INSPECTIONS.
4. ALL DIMENSIONS SHALL BE PROVIDED BY QCD.
5. FLUME SHALL BE FABRICATED FROM 10 GAUGE TYPE 304 STAINLESS STEEL.
6. FLUME MUST BE INSTALLED LEVEL AND PLUMB.
7. DISCHARGE OF FLUME MUST HAVE A FREE FALL OF _____ INCHES (SUPPLIED BY QCD) DEPENDENT ON FLUME SIZE.
8. APPROACH SECTION OF FLUME MAY BE FABRICATED OF STAINLESS STEEL OR FORMED IN CONCRETE.
9. TOLERANCES ON THROAT WIDTH (W) +/- 1/64TH OF AN INCH. ALL OTHER DIMENSIONS OF FLUME +/- 1/32ND OF AN INCH.
10. 2/3(A) MUST BE ETCHED INTO THE FLANGE OF THE FLUME AT THE EXACT DISTANCE. (SEE SHEET 3)
11. THE UPSTREAM APPROACH PIPE TO THE SMH MUST BE STRAIGHT (NO TIE INS, BENDS OR TURNS). THE MINIMUM LENGTH OF THE APPROACH PIPE SHALL BE EQUAL TO OR GREATER THAN 25 TIMES THE DIAMETER OF THE PIPE.
12. THE UPSTREAM AND DOWNSTREAM PIPE MUST HAVE A UNIFORM SLOPE AND BE DESIGNED SO THE APPROACHING FLOW IS RELATIVELY FREE OF TURBULENCE. PROVIDE QCD WITH % SLOPE FOR APPROVAL.
13. THE MINIMUM INSIDE DEPTH OF SAMPLING MANHOLES SHALL BE 4 FEET.
14. HINGED TOP LID SHALL BE CONSTRUCTED WHEN THE SAMPLING MANHOLE IS LOCATED OUTSIDE PAVEMENT AREA. ALTERNATE TOP SHALL BE CONSTRUCTED WHEN SAMPLING MANHOLE IS LOCATED WITHIN PAVEMENT (SEE SHEET 2).
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18. GRATING AND APPURTENANCES SHALL BE DESIGNED TO CARRY A UNIFORM LIVE LOAD OF 250 PSF AND A 500 LB CONCENTRATED LOAD AT THE MIDPOINT.
19. A LAYER OF ALUMILASTIC CONSISTENCY C, C-I, OR K, OR APPROVED EQUAL, SHALL BE PLACED BETWEEN ALUMINUM COMPONENTS AND ALL CONCRETED CONTACT POINTS.
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23. MANHOLES ON PRIVATE PROPERTY SHALL BE LOCATED SO THEY ARE UNOBSTRUCTED BY PARKED OR MOVING VEHICLES.
24. IF THE FINAL QCD INSPECTION DETERMINES THE METERING DEVICE/PIPING DOES NOT MEET TOLERANCES OR SPECIFICATIONS THE INSTALLATION WILL BE REJECTED.
25. REINFORCING SHALL BE PLACED WITH A TOLERANCE OF -1/4" AND +1/2" ON CLEARANCE.

THE ORIGINAL, SIGNED AND SEALED DOCUMENTS CAN BE VIEWED AT:
CITY OF OMAHA PUBLIC WORKS, CITY HALL,
1819 FARNAM STREET, SUITE 600,
OMAHA, NE 68183

Designated by: <i>Krista Wassenaar</i> DESIGN ENGINEER Designated by: <i>[Signature]</i> CITY ENGINEER	CITY OF OMAHA PUBLIC WORKS DEPARTMENT SAMPLING MANHOLES MONTANA FLUME TYPE	STANDARD PLATE 708-01 ISSUE DATE: February 13, 2024	SHEET 2 / 3
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MARK	REVISION	DATE	BY
	Checked By: BMP	Scale: 1" = NA	
	Engineer: EAH	Date: 08-06-2025	T-R-S: TTN-RRW-SS
	Technician: LDB		

CARTER LAKE, IOWA

DETAILS

SNYDER & ASSOCIATES, INC. |

2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com

Project No.: 123.1013.10

Sheet B.2

SNYDER & ASSOCIATES

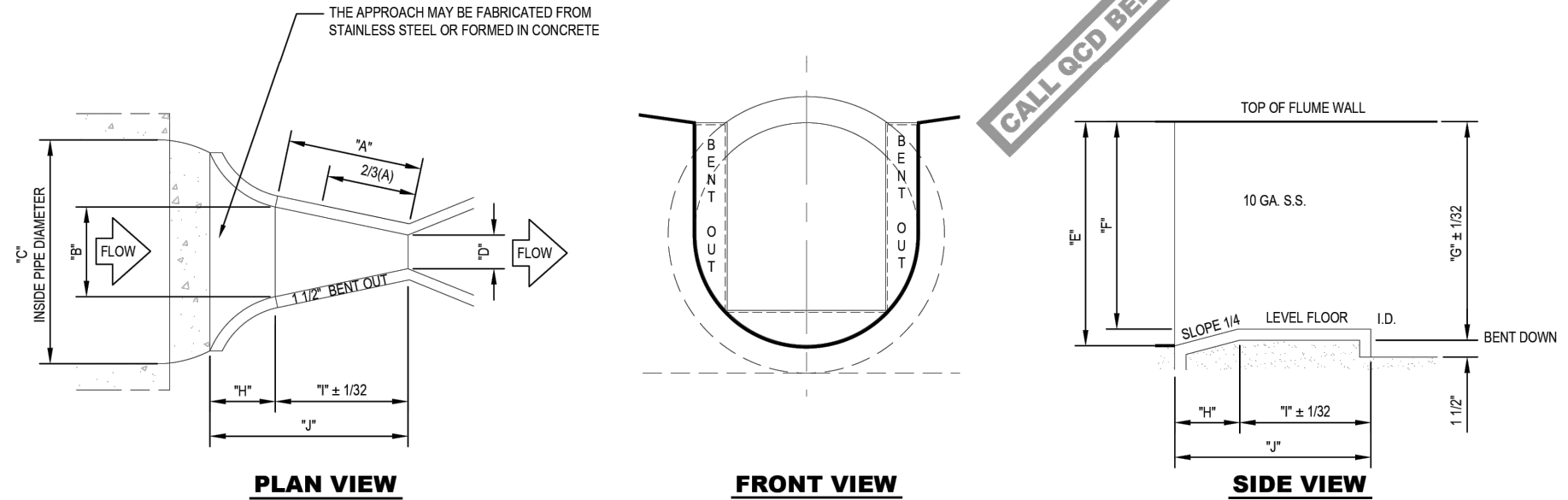
Project No.: 123.1013.10

Sheet B.2

NOTES: MONTANA FLUME DIMENSIONS, TOLERANCES, & REQUIREMENTS

1. QUALITY CONTROL DIVISION (QCD) MUST VERIFY THE DIMENSIONS AND TOLERANCES OF THE FLUME BEFORE INSTALLATION.
2. INDUSTRY SHALL PROVIDE ANTICIPATED MAXIMUM AND MINIMUM FLOW RATES IN GALLONS PER MINUTE (GPM) OR CUBIC FEET PER SECOND (CFS) TO QCD FOR SIZING PURPOSES.
3. QCD MUST INSPECT FORMS BEFORE POURING CONCRETE AND AFTER TO VERIFY PROPER INSTALLATION AND TO ENSURE TOLERANCE ARE WITHIN SPECIFICATION. CONTACT QCD: (402) 444-3915 (FIELD CREW SUPERVISOR) TO ARRANGE INSPECTIONS.
4. ALL DIMENSIONS SHALL BE APPROVED BY QCD.
5. FLUME SHALL BE FABRICATED FROM 10 GAUGE TYPE 304 STAINLESS STEEL.
6. FLUME MUST BE INSTALLED LEVEL AND PLUMB.
7. DISCHARGE OF FLUME MUST HAVE A FREE FALL OF _____ INCHES (SUPPLIED BY QCD) DEPENDENT ON FLUME SIZE.
8. APPROACH SECTION OF FLUME MAY BE FABRICATED OF STAINLESS STEEL OR FORMED IN CONCRETE.
9. TOLERANCES ON THROAT WIDTH (W) +/- 1/64TH OF AN INCH. ALL OTHER DIMENSIONS OF FLUME +/- 1/32ND OF AN INCH.
10. 2/3(A) MUST BE ETCHED INTO THE FLANGE OF THE FLUME AT THE EXACT DISTANCE.
11. THE UPSTREAM APPROACH PIPE TO THE SMH MUST BE STRAIGHT (NO TIE INS, BENDS OR TURNS). THE MINIMUM LENGTH OF THE APPROACH PIPE SHALL BE EQUAL TO OR GREATER THAN 25 TIMES THE DIAMETER OF THE PIPE.
12. THE UPSTREAM AND DOWNSTREAM PIPE MUST HAVE A UNIFORM SLOPE AND BE DESIGNED SO THE APPROACHING FLOW IS RELATIVELY FREE OF TURBULENCE. PROVIDE QCD WITH % SLOPE FOR APPROVAL.
13. IF THE FINAL QCD INSPECTION DETERMINES THE METERING DEVICE/PIPING DOES NOT MEET TOLERANCES OR SPECIFICATIONS THE INSTALLATION WILL BE REJECTED.

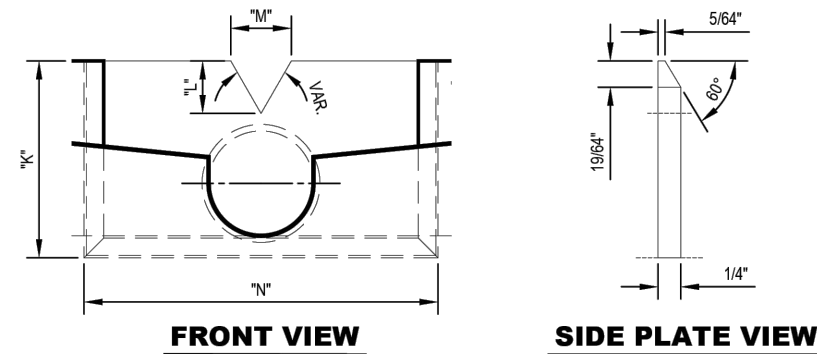
**MONTANA FLUME
INTERIOR PLAN**



**V-NOTCH WEIR
INTERIOR PLAN**

NOTES: STANDARD V-NOTCH WEIR DIMENSIONS, TOLERANCES, & REQUIREMENTS

1. QUALITY CONTROL DIVISION (QCD) MUST VERIFY THE DIMENSIONS AND TOLERANCES OF THE GUIDES AND WEIR PLATE BEFORE INSTALLATION.
2. INDUSTRY SHALL PROVIDE ANTICIPATED MAXIMUM AND MINIMUM FLOW RATES IN GALLONS PER MINUTE (GPM) OR CUBIC FEET PER SECOND (CFS) TO QCD FOR SIZING PURPOSES.
3. QCD MUST INSPECT FORMS BEFORE POURING CONCRETE AND AFTER TO VERIFY PROPER INSTALLATION AND TO ENSURE TOLERANCE ARE WITHIN SPECIFICATION. CONTACT QCD: (402) 444-3915 (FIELD CREW SUPERVISOR) TO ARRANGE INSPECTIONS.
4. ALL DIMENSIONS SHALL BE APPROVED BY QCD.
5. WEIR GUIDES AND 1/4" WEIR PLATE MUST BE FABRICATED FROM TYPE 304 STAINLESS STEEL.
6. ALL DIMENSIONS OF V-NOTCH + OR - 1/64TH INCH.
7. ALL WEIR PLATE SURFACES MUST BE MILLED, LEVEL, AND PLUMB.
8. ENTIRE V-NOTCH MUST HAVE A 60 DEGREE DOWNSTREAM CHAMFERED EDGE.
9. V-NOTCH MUST COME TO A SHARP DEFINED POINT.
10. WEIR PLATE MUST REST IN WEIR GUIDES LEVEL AND PLUMB.
11. THE UPSTREAM APPROACH PIPE TO THE SMH MUST BE STRAIGHT (NO TIE INS, BENDS OR TURNS). THE MINIMUM LENGTH OF THE APPROACH PIPE SHALL BE EQUAL TO OR GREATER THAN 25 TIMES THE DIAMETER OF THE PIPE.
12. THE UPSTREAM AND DOWNSTREAM PIPE MUST HAVE A UNIFORM SLOPE AND BE DESIGNED SO THE APPROACHING FLOW IS RELATIVELY FREE OF TURBULENCE. PROVIDE QCD WITH % SLOPE FOR APPROVAL ALL CONCRETE SHALL BE HIGH ALKALINITY, MINIMUM 50% CALCAREOUS AGGREGATE, CLASS L65M, TYPE II CEMENT.
13. IF THE FINAL QCD INSPECTION DETERMINES THE METERING DEVICE/PIPING DOES NOT MEET TOLERANCES OR SPECIFICATIONS THE INSTALLATION WILL BE REJECTED.



THE ORIGINAL, SIGNED AND SEALED DOCUMENTS CAN BE VIEWED AT:
CITY OF OMAHA PUBLIC WORKS, CITY HALL,
1819 FARNAM STREET, SUITE 600,
OMAHA, NE 68183

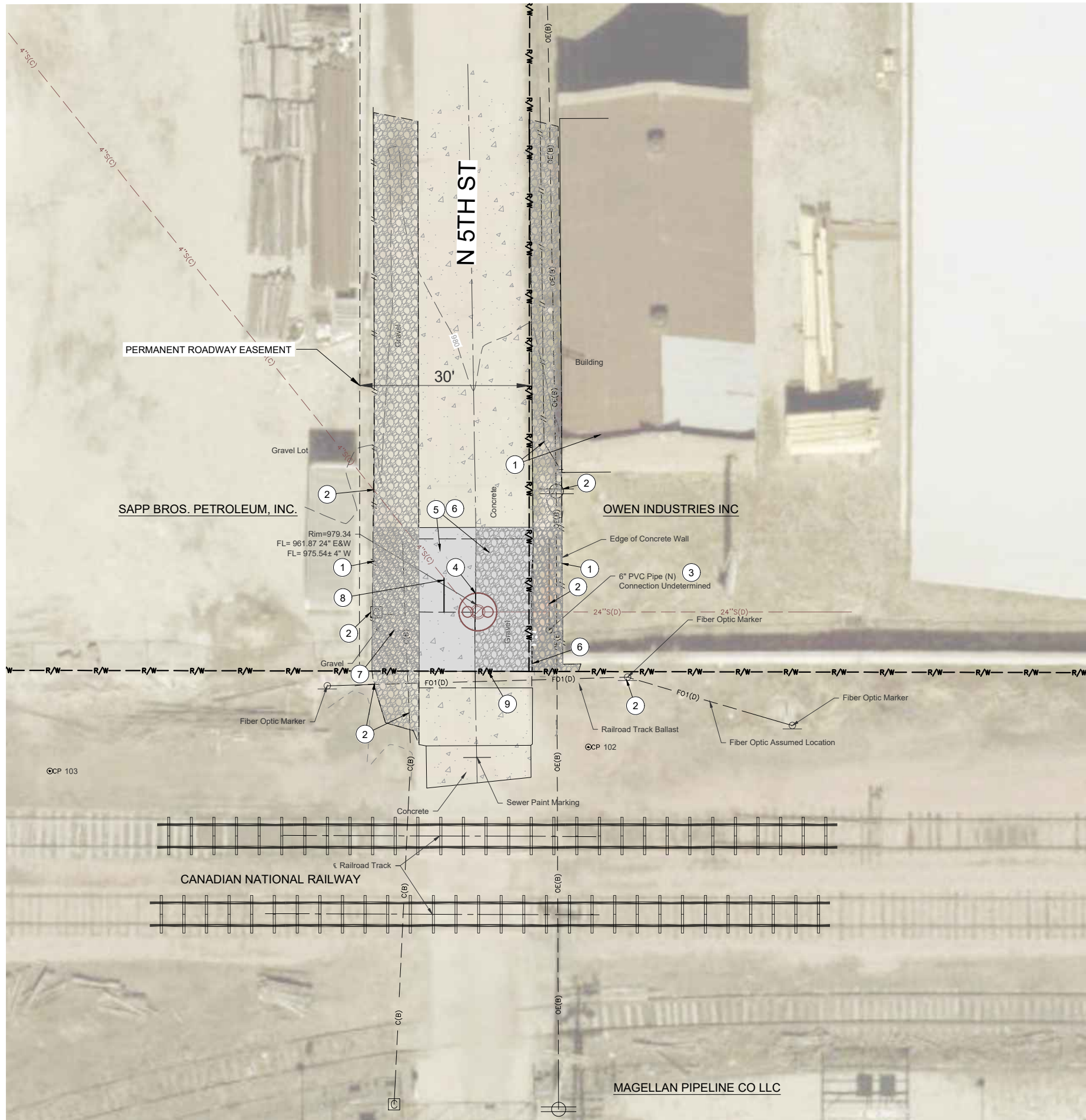
Designated by: <i>Krista Neenan</i> DESIGN ENGINEER Designated by: <i>[Signature]</i> CITY ENGINEER	CITY OF OMAHA PUBLIC WORKS DEPARTMENT		SHEET 3 / 3
	SAMPLING MANHOLES MONTANA FLUME & WEIR TYPE DETAILS		

MARK	REVISION	DATE	BY
Engineer: EAH	Checked By: BMP	Scale: 1" = NA	
Technician: LDB	Date: 08-06-2025	T-R-S: TTN-RRW-SS	
Project No.: 123-1013.10			Sheet B.3

CARTER LAKE, IOWA
DETAILS
SNYDER & ASSOCIATES, INC. |
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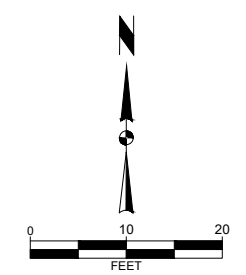
BYPASS NOTES:

1. SUBMIT A BYPASS/FLOW DIVERSION PLAN TO THE ENGINEER FOR REVIEW TO INCLUDE THE FOLLOWING AT A MINIMUM: PROPOSED ROUTE, INSTALLATION AND REMOVAL PROCEDURES, SCHEDULE, EQUIPMENT, MATERIALS, FLOW CALCULATIONS, PROTECTIVE MEASURES, ODOR CONTROL, ETC. THE SELECTED PUMP DESIGN SHALL ASSUME A MAXIMUM 1800 RPM PER PUMP. PROVIDE PUMP CURVES TO ENGINEER FOR REVIEW FOR VARIABLE RPM INTERVALS UP TO 1800 RPM.
2. MAXIMUM ALLOWABLE SURCHARGE IN BYPASS SEWERS DURING OPERATION SHALL BE NO MORE THAN 15' FROM THE INVERT OF THE PIPE. VERIFY FINAL SURCHARGE ELEVATION WITH ENGINEER PRIOR TO BEGINNING BYPASS OPERATIONS.
3. PROVIDE PUMPS AND BYPASS LINES OF ADEQUATE CAPACITY TO HANDLE ALL FLOWS, AS NECESSARY TO COMPLETE THE WORK INCLUDING DRY WEATHER AND PEAK FLOWS.
4. THRUST CONTROL MEASURES ARE INCIDENTAL TO BYPASS ITEM.
5. PROVIDE ADEQUATE PUMPS ON-SITE FOR EMERGENCY USE, IF NEEDED, AND FOR LOCALIZED $\frac{1}{2}$ FLOWS. INCLUDING THE HANDLING OF GROUNDWATER. BYPASS SYSTEM SHALL HAVE ADEQUATE PUMPS ON-SITE TO PROVIDE REDUNDANCY TO ACCOUNT FOR AT LEAST 1 PUMP FAILURE.
6. 24 HOUR PUMP WATCH IS REQUIRED DURING ALL ACTIVE PERIODS OF BYPASS SYSTEM OPERATIONS.
7. CONTRACTOR TO PERFORM AND LOG DAILY INSPECTIONS OF BYPASS/FLOW DIVERSION OPERATIONS, MATERIALS AND EQUIPMENT THROUGHOUT THE DURATION OF THE PROJECT.
8. CONTRACTOR IS RESPONSIBLE TO MONITOR ALL FLOW AND WEATHER CONDITIONS TO ENSURE SUCCESSFUL BYPASS OPERATION. FOR SHORT DURATION BYPASS SETUPS AND OPERATION, THE CONTRACTOR IS ENCOURAGED TO REVIEW THE UPCOMING WEATHER FORECAST TO SCHEDULE OPERATION TO TAKE PLACE WITH MINIMUM FORECASTED RAINFALL.
9. ALL PROVIDED FLOW INFORMATION IS APPROXIMATE AND BASED ON METER DATA FROM 2023 AND 2024. ESTIMATED FLOWS TO BE TEMPORARILY BYPASSED FOR THE PROJECT INCLUDE THE FOLLOWING:

24-INCH GRAVITY SEWER:
NORMAL DRY-WEATHER FLOW: UP TO 0.6 MGD
PEAK WET-WEATHER FLOW: UP TO 4 MGD

CONSTRUCTION NOTES:

1. PROTECT EXISTING BUILDINGS, FENCES, AND RETAINING WALLS UNLESS SPECIFICALLY NOTED OR DESIGNATED OTHERWISE ON THE PLANS. REPLACE ANY ITEMS DAMAGED DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE.
2. PROTECT EXISTING UTILITIES.
3. CONTRACTOR TO DETERMINE IF 6" PVC IS CONNECTED OR ABANDONED.
4. REMOVE EXISTING MANHOLE AND REPLACE WITH 72" DIA. MANHOLE. REFER TO DETAILS ON SHEETS B.1 - B.3. SEE BYPASS NOTES ABOVE. CONNECT 24" INLET/OUTLET PIPES.
RIM = 979.34
INV. 961.87 24" E&W
INV. 975.54± 4" W
5. REMOVE EXISTING PAVEMENT AND GRANULAR SURFACE AS SHOWN.
6. REPLACE PAVEMENT WITH 6" PCC.
7. REPLACE GRANULAR SURFACE WITH 6" THICK CRUSHED ROAD STONE.
8. RELOCATE EXISTING 4" SANITARY SEWER SERVICE. INSTALL BLIND CONNECTION AT 24" SANITARY SEWER MAIN. REMOVE EXISTING 4" SEWER SERVICE NO LONGER IN USE. ALL BENDS TO CONSIST OF AT LEAST TWO 22.5 DEGREE FITTINGS.
9. CONTRACTOR SHALL UTILIZE SHORING TO AVOID IMPEDIMENT TO RAILROAD ROW AND TO PROTECT ADJACENT SURFACE FEATURES NOTED FOR PROTECTION. SHORING IS INCIDENTAL TO CONSTRUCTION.



MARK	REVISION	DATE	BY
	Checked By: BMP	Scale: 1" = 10'	
	Engineer: EAH	Date: 08-06-2025	T-R-S: TTN+RRW+SS
	Technician: LDB		

CARTER LAKE, IOWA

SITE PLAN

SNYDER & ASSOCIATES, INC.

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SNYDER & ASSOCIATES

Project No: 123.1013.10
Sheet C.1

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ELECTRICAL SYMBOLS

ELECTRICAL SYMBOLS			
LIGHTING AND POWER			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SURFACE MOUNTED CEILING LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)		SURFACE MOUNTED WALL LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)
	RECESSED MOUNTED CEILING LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)		RECESSED MOUNTED WALL LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)
	PENDANT MOUNTED CEILING LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)		LIGHTING TRACK (# INDICATES LUMINAIRE MARK IN SCHEDULE)
	IN GRADE/FLOOR LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)		TRACK MOUNTED LUMINAIRE (# INDICATES LUMINAIRE MARK IN SCHEDULE)
	SHADING INDICATES LUMINAIRE ON EMERGENCY CIRCUIT OR WITH BATTERY BACKUP		CEILING FAN - NUMBER OF BLADES IN SCHEDULE (# INDICATES LUMINAIRE MARK IN SCHEDULE)
	LINE INDICATE ORIENTATION OF LUMINAIRE, WHERE INDICATED		THEATER SPOT LIGHT (# INDICATES LUMINAIRE MARK IN SCHEDULE)
	UNDERCABINET LIGHT (# INDICATES LUMINAIRE MARK IN SCHEDULE)		PRIMARY DAYLIGHT ZONE BOUNDARY
	ARROW INDICATES WALL WASH LUMINAIRE AIMING		SECONDARY DAYLIGHT ZONE BOUNDARY
	SINGLE POLE SWITCH		LIGHTING CONTROL ZONE BOUNDARY
	LOW VOLTAGE SWITCH/CONTROL		LIGHTING CIRCUIT/ZONE BOUNDARY
	DOUBLE POLE SWITCH		SIMPLEX RECEPTACLE
	3-WAY SWITCH		DUPLX RECEPTACLE "C" SUBSCRIPT INDICATES GFCL "T" SUBSCRIPT INDICATES TAMPER RESISTANT TYPE, "U" SUBSCRIPT INDICATES COMBINATION USB CHARGING STATION
	4-WAY SWITCH		AUTOMATICALLY CONTROLLED DUPLX RECEPTACLE
	DOOR SWITCH		ISOLATED GROUND DUPLX RECEPTACLE
	MOMENTARY CONTACT SWITCH		HOSPITAL GRADE DUPLX RECEPTACLE
	TIMER SWITCH		RED DUPLX RECEPTACLE
	SINGLE POLE MANUAL MOTOR STARTER WITH THERMAL OVERLOAD AND PILOT LIGHT		DUPLX RECEPTACLE - SPLIT WIRED
	SWITCH AND FUSE		AUTOMATICALLY CONTROLLED DUPLX RECEPTACLE - SPLIT WIRED
	SWITCH AND FUSTAT		DRYER RECEPTACLE NEMA 14-30 (125/250V 30A)
	MANUAL DIMMER OR FAN SPEED CONTROL ("F" INDICATES FAN SPEED CONTROL)		SPECIAL PURPOSE RECEPTACLE (NEMA CONFIGURATION AS NOTED)
	CEILING MOUNTED OCCUPANCY SENSOR (# INDICATES FIXTURE NUMBER IN SCHEDULE)		HORIZONTAL MOUNTED DUPLX RECEPTACLE
	LINE VOLTAGE WALL MOUNTED OCCUPANCY SENSOR/SWITCH (D INDICATES DIMMING)		RANGE RECEPTACLE NEMA 14-50 (125/250V 50A)
	PUSH BUTTON STATION		WELDER RECEPTACLE NEMA 6-50 (250V 50A)
	PHOTOCELL CEILING MOUNTED		DOUBLE DUPLX RECEPTACLE
	PHOTOCELL WALL MOUNTED		(I) DUPLX, (I) DUPLX AUTOMATICALLY CONTROLLED
	TIME SWITCH		ISOLATED GROUND DOUBLE DUPLX RECEPTACLE
	RELAY		RED DOUBLE DUPLX RECEPTACLE
	EMERGENCY LIGHTING RELAY		RECEPTACLE IN AV BACKBOX
	LIGHTING CONTACTOR		WALL CLOCK HANGER RECEPTACLE
	POWER AND/OR DATA FLOOR OUTLET ("F" INDICATES DEVICE TYPE IN SCHEDULE)		CEILING MOUNTED DUPLX RECEPTACLE
	TECHNOLOGY INFRASTRUCTURE POWER WALL MOUNTED JUNCTION BOX		CEILING MOUNTED DOUBLE DUPLX RECEPTACLE
	TECHNOLOGY INFRASTRUCTURE POWER CEILING MOUNTED JUNCTION BOX		CEILING MOUNTED RED DUPLX RECEPTACLE
	COMBINATION POWER/DATA/AV TABLETOP OUTLET ("F" INDICATES DEVICE TYPE IN SCHEDULE)		CEILING MOUNTED SPECIAL PURPOSE RECEPTACLE
	MULTI-OUTLET ASSEMBLY - LENGTH AS INDICATED		CEILING MOUNTED SIMPLEX RECEPTACLE
	MECH EQUIPMENT WITH ELEC CONNECTION SEE MECHANICAL/ELECTRICAL COORDINATION SCHEDULE		POWER FLOOR OUTLET ("F" INDICATES DEVICE TYPE IN SCHEDULE)
			RECEPTACLE IN CEILING AV BACKBOX
			LIGHTING ZONE CIRCUIT DESIGNATION, "XX" INDICATES PANEL NAME, "##" INDICATES CIRCUIT NUMBER

ELECTRICAL SYMBOLS					
SUBSCRIPTS					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
EP	SUBSCRIPT "EP" APPLIED TO ANY SYMBOL INDICATES EXPLOSION PROOF, CLASS, GROUP AND DIVISION AS NOTED	K	SUBSCRIPT "K" ADDED TO ANY SYMBOL INDICATES KEY OPERATED	WP	SUBSCRIPT "WP" APPLIED TO ANY SYMBOL INDICATES WEATHERPROOF NEMA 3R OR EQUIVALENT
E	SUBSCRIPT "E" ADDED TO ANY SYMBOL INDICATES EXISTING	WG	SUBSCRIPT "WG" ADDED TO ANY SYMBOL INDICATES WIRE GUARD	P	SUBSCRIPT "P" ADDED TO ANY SYMBOL INDICATES PILOT LIGHT
PD	SUBSCRIPT "PD" ADDED TO ANY FLOOR OUTLET INDICATES PEDESTAL MOUNTED			NL	SUBSCRIPT "NL" ADDED TO ANY SYMBOL INDICATES AN UNSWITCHED LUMINAIRE OPERATING AS A NIGHT LIGHT
AC	SUBSCRIPT "AC" ADDED TO ANY SYMBOL INDICATES ABOVE COUNTER, LOCATE CENTER OF DEVICE 4" ABOVE COUNTER SURFACE OR WHERE PRESENT, 4" ABOVE BACKSPASH. WHERE INDICATED ADJACENT TO LAVATORY WITHOUT COUNTER, LOCATE CENTER OF DEVICE 8" ABOVE RM OF LAVATORY.				

SYMBOLS INDICATED HERE AND NOT USED IN THE CONTRACT DOCUMENTS DO NOT APPLY TO THIS PROJECT. ADDITIONAL SYMBOLS AND ABBREVIATIONS MAY BE INDICATED IN THE CONTRACT DOCUMENTS.

ABBREVIATIONS			
A	AMP	ELEC	ELECTRICAL
AC	ALTERNATING CURRENT	EMD	ESTMATED MAXIMUM DEMAND
AF	ABOVE FINISHED FLOOR	EMI	ELECTROMAGNETIC INTERFERENCE
AJ	AUTHORITY HAVING JURISDICTION	EPO	EMERGENCY POWER OFF
APPROX	APPROXIMATELY	EQUIP	EQUIPMENT
ATS	AUTOMATIC TRANSFER SWITCH	EXIST	EXISTING
AUX	AUXILIARY	FA	FIRE ALARM
AV	AUDIOVISUAL	FAA	FIRE ALARM ANNUNCIATOR PANEL
AWG	AVERAGE	FACP	FIRE ALARM CONTROL PANEL
AWG	AMERICAN WIRE GAUGE	FB	FLOOR BOX
BMCS	BUILDING MANAGEMENT CONTROL SYSTEMS	FL	FLOOR
BLDG	BUILDING	FLA	FULL LOAD AMPS
C	CONDUIT	FT	FEET
CATV	CABLE TELEVISION	FSAE	FIRE SERVICE ACCESS ELEVATOR
CB	CIRCUIT BREAKER	GALV	GALVANIZED
CCTV	CLOSED CIRCUIT TELEVISION	GC	GENERAL CONTRACTOR
CKT	CIRCUIT	GEC	GROUNDING ELECTRODE CONDUCTOR
CL	CENTER LINE	GEN	GENERATOR
CLG	CEILING	GFCL	GROUND FAULT CIRCUIT INTERRUPTER
CRAC	COMPUTER ROOM AIR CONDITIONER	GND	GROUND
DIA	DIAMETER	HP	HORSEPOWER
DISC	DISCONNECT	HZ	HERTZ
DIST	DISTRIBUTION	IC	INTERCOM
DN	DOWN	IB	JUNCTION BOX
DWG	DRAWING	KCML	THOUSAND CIRCULAR MILS
EC	ELECTRICAL CONTRACTOR	KV	KILOVOLT
EGB	ELECTRICAL GROUND BAR	KVA	KILOVOLT AMPERE
		KW	KILOWATT
		LTG	LIGHTING
		MATV	MASTER ANTENNA TELEVISION
		MAX	MAXIMUM
		MCEB	MAIN CIRCUIT BREAKER
		MECH	MECHANICAL
		MGB	MAIN GROUND BAR
		MIN	MINIMUM
		MISC	MISCELLANEOUS
		MLO	MAIN LUGS ONLY
		MTD	MOUNTED
		MTG	MOUNTING
		N1	NEMA 1 ENCLOSURE
		N3R	NEMA 3R ENCLOSURE
		N4X	NEMA 4X ENCLOSURE
		NC	NORMALLY CLOSED
		NIC	NOT IN CONTRACT
		NO	NORMALLY OPEN
		NTS	NOT TO SCALE
		OC	ON CENTER
		OFCL	OWNER FURNISHED CONTRACTOR INSTALLED
		PB	PULLBOX
		PBB	PRIMARY BONDING BUSBAR
		PDU	POWER DISTRIBUTION UNIT
		PERP	PERPENDICULAR
		PV	POST INDICATOR VALVE
		PNL	PANEL
		PWR	POWER
		REQD	REQUIRED
		RM	ROOM
		SBB	SECONDARY BONDING BUSBAR
		SCHD	SCHEDULE
		SIM	SIMILAR
		SPD	SURGE PROTECTIVE DEVICE
		SPECS	SPECIFICATIONS
		SS	STAINLESS STEEL
		STD	STANDARD
		SW	SWITCH
		SWBD	SWITCHBOARD
		SWGR	SWITCHGEAR
		TELECOM	TELECOMMUNICATIONS
		TEMP	TEMPERATURE
		TTB	TELEPHONE TERMINAL BOARD
		TV	TELEVISION
		TYP	TYPICAL
		UG	UNDERGROUND
		UNO	UNLESS NOTED OTHERWISE
		UPS	UNINTERRUPTIBLE POWER SUPPLY
		VA	VOLT-AMPS
		W	WATT
		XFMR	TRANSFORMER

- GENERAL NOTES**
- INSTALL GREEN INSULATED GROUND WIRE WITH EACH LIGHTING, RECEPTACLE, AND EQUIPMENT BRANCH CIRCUIT.
 - PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT REQUIRING A NEUTRAL, UNLESS OTHERWISE NOTED.
 - SPECIFICATIONS LIST ACCEPTABLE WIRING METHODS AND MATERIALS. OTHER WIRING METHODS AND MATERIALS NOT LISTED IN THE SPECIFICATIONS (SUCH AS MC CABLE, ETC.) ARE NOT ACCEPTABLE.

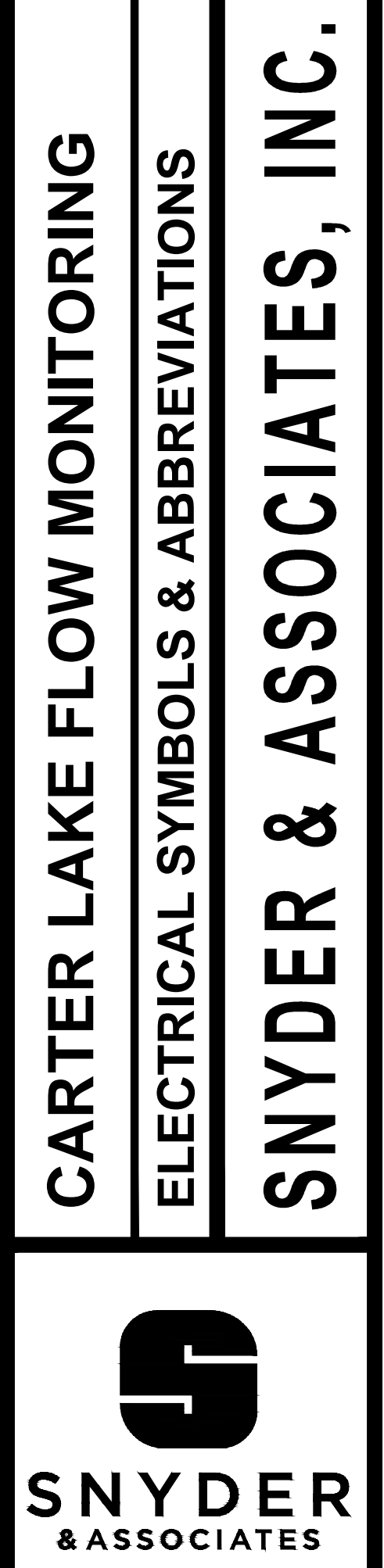
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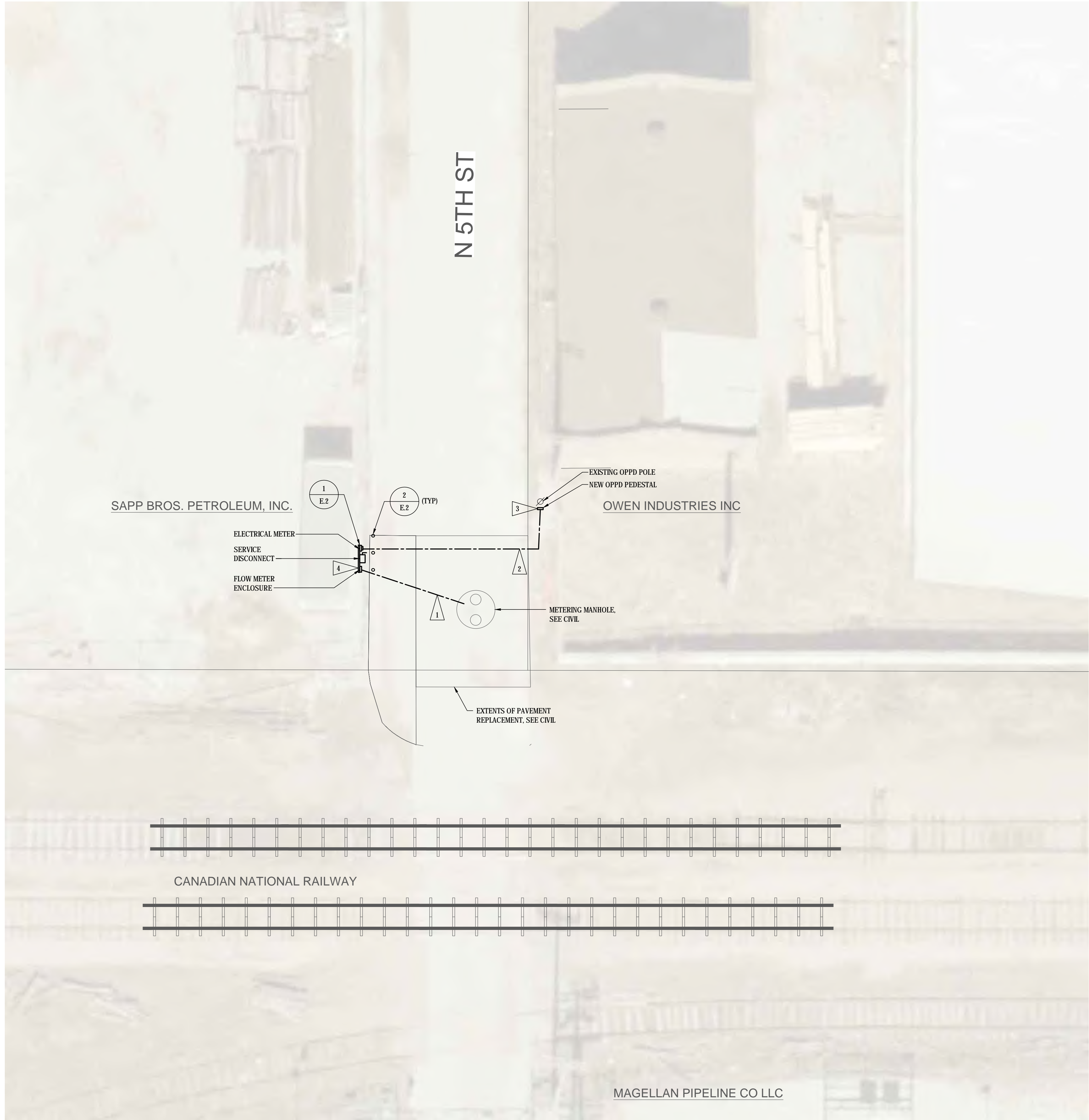
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MARK	REVISION	DATE	BY
	Checked By: JUV	Scale: 1" = 1"	
	Engineer: JUV	Date: 08-01-2025	
	Technician: GJH	T.R.S: TTN-RRW-SS	

CARTER LAKE, IOWA
ELECTRICAL SYMBOLS & ABBREVIATIONS
SNYDER & ASSOCIATES, INC.
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ANKENY, IOWA 50023
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FLAG NOTES

- 1" CONDUIT FROM FLOWMETER ENCLOSURE STUBBED INTO METERING MANHOLE. EXACT SIZE AND LOCATION OF MANHOLE PENETRATION SHALL BE COORDINATED DIRECTLY WITH CITY OF OMAHA QUALITY CONTROL DIVISION AT 402-444-3915.
- UNDERGROUND SECONDARY CONDUIT, SEE POWER RISER DIAGRAM.
- SERVICE PEDESTAL PROVIDED BY OPPD.
- ELECTRICAL EQUIPMENT MOUNTED ON STRUT RACKING, SEE POWER RISER DIAGRAM.

MARK	REVISION	DATE	BY
	Checked By: JJJ	Scale: 1" = 10'-0"	
	Engineer: JJW	T-R-S: TTN+RRW-SS	
	Technician: GJH	Date: 08-01-2025	

CARTER LAKE FLOW MONITORING

SITE PLAN - ELECTRICAL

CARTER LAKE, IOWA

SNYDER & ASSOCIATES, INC.

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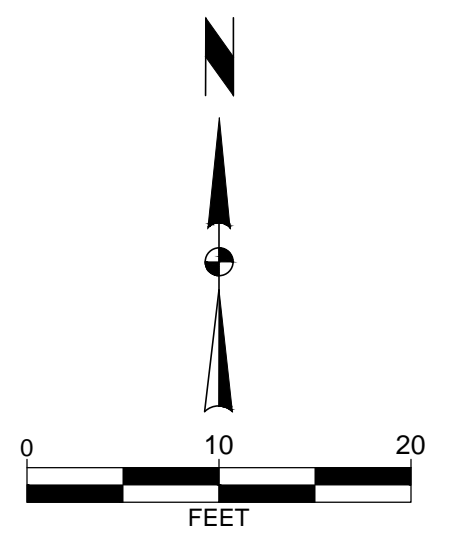
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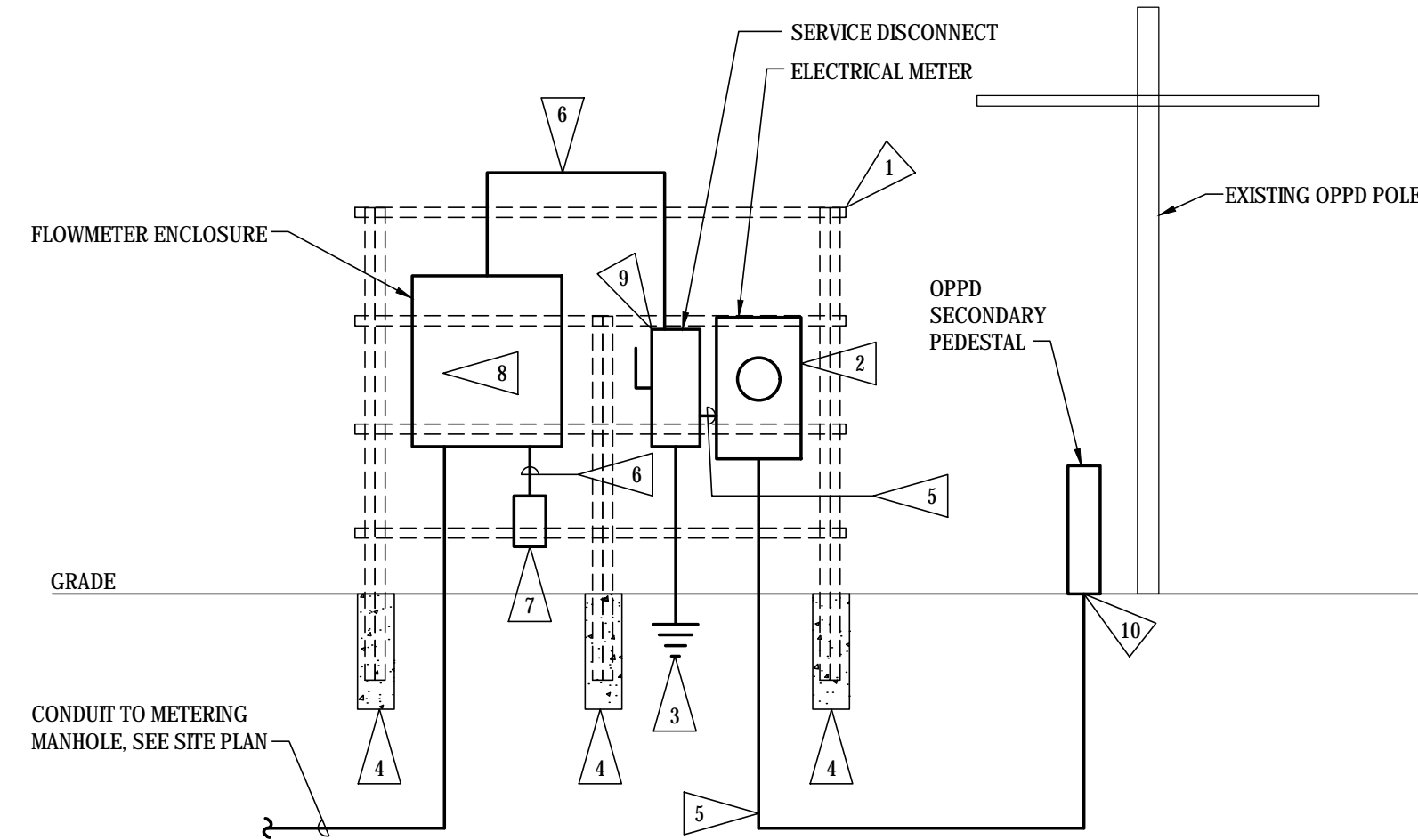


July 15, 2025 10:33 AM ANS1.B (11.00 X 17.00 INCHES) 20230720_10:33 AM ANS1.B (11.00 X 17.00 INCHES)

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FLAG NOTES

1. PROVIDE 4" RIGID CONDUIT SUPPORT POSTS WITH CAPS AND 1-5/8" X 1-5/8" GALVANIZED STRUT HORIZONTAL FRAMING AS REQUIRED TO SUPPORT EQUIPMENT.
2. PROVIDE COMPATIBLE METER SOCKET, COORDINATE WITH OPPD.
3. #2 GROUND TO TWO 3/4" X 10' GROUND RODS SPACED 10' APART.
4. PROVIDE 8" DIAMETER BY 48" DEEP ROUND POURED CONCRETE FOOTING.
5. 2 #10 IN A 1" CONDUIT.
6. 2# 12, #12 GND. IN A 3/4" CONDUIT.
7. PROVIDE A WEATHERPROOF GFCI DUPLEX RECEPTACLE WITH A WEATHERPROOF IN-USE, CAST ALUMINUM HINGED AND LOCKABLE COVER.
8. FLOWMETER ENCLOSURE, FURNISHED BY CITY OF OMAHA AND INSTALLED BY CONTRACTOR. PROVIDE FINAL CONNECTION TO CITY OF OMAHA FLOWMETER.
9. 240V, 2 POLE, 30 AMP NEMA 3R SERVICE ENTRANCE RATED SAFETY SWITCH WITH 20A FUSES.
10. COIL CONDUCTORS FOR FINAL CONNECTION BY OPPD.

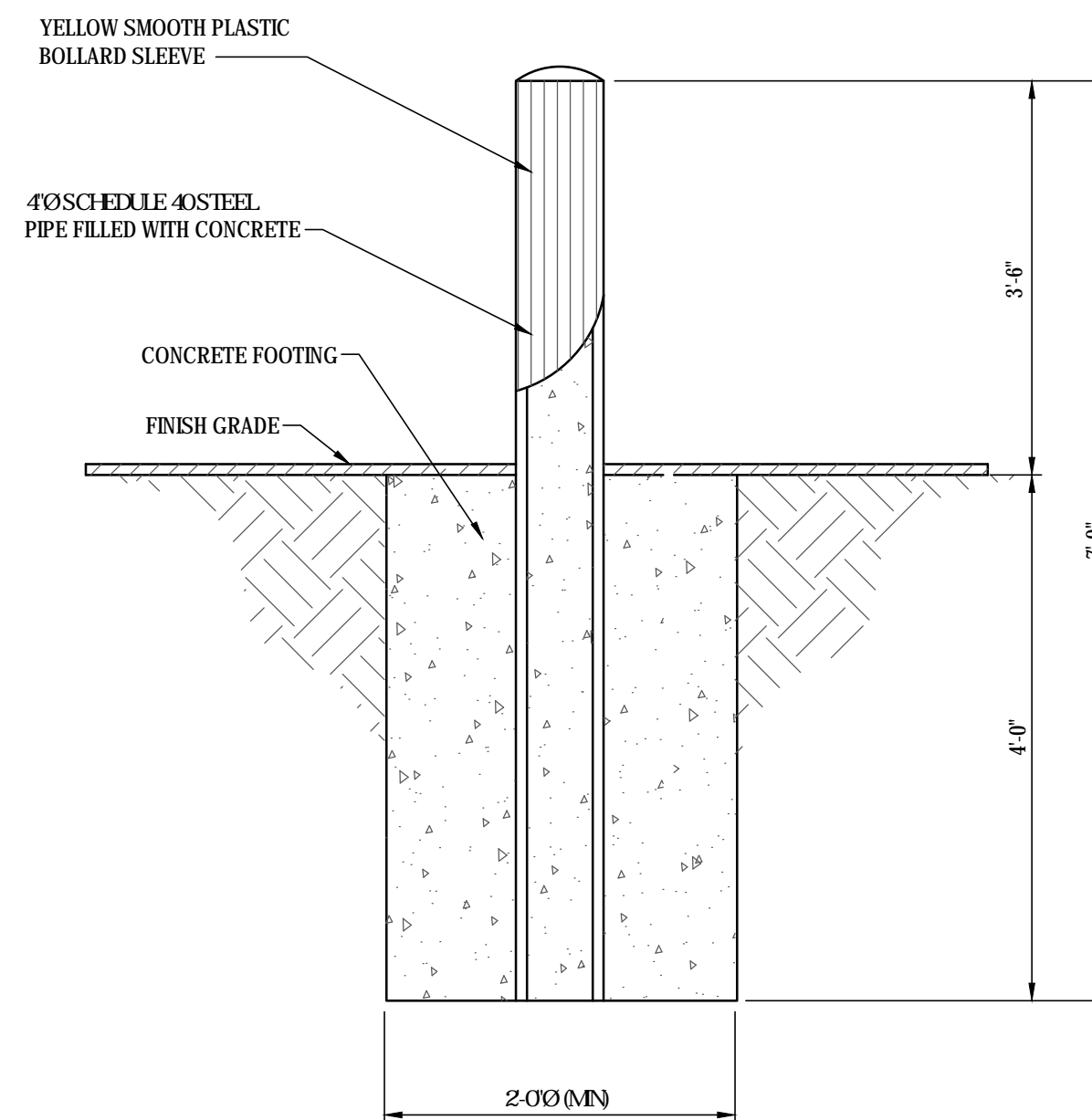


POWER RISER DIAGRAM

NO SCALE

1

E.2



BOLLARD AND FOUNDATION

NO SCALE

2

E.2

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CARTER LAKE FLOW MONITORING

ONE-LINE POWER RISER DIAGRAM & DETAILS

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**SNYDER
& ASSOCIATES**

Project No: 123.1013.10

Sheet E.2

MARK	REVISION	DATE	BY
Engineer: JJW	Checked By: JJW	Scale: 1" = 1"	
Technician: GJH	Date: 08-01-2025	T.R.S: TTN-RRW-SS	
Project No: 123.1013.10			Sheet E.2

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E. ADJUST THE MOISTURE CONTENT OF THE BACKFILL MATERIAL IF REQUIRED FOR PROPER COMPACTION.

F. REOPEN ANY TRENCHES IMPROPERLY BACKFILLED, OR WHERE SETTLEMENT OCCURS, TO THE DEPTH REQUIRED FOR PROPER COMPACTION, REFILL AND COMPACT TO SPECIFIED DENSITY.

G. COMPACT BACKFILL FOR STRUCTURES TO THE SPECIFIED DENSITY.

H. DURING THE BACKFILLING OF EACH EXTERIOR UNDERGROUND CONDUIT SYSTEM, INSTALL CONTINUOUS UNDERGROUND TYPE PLASTIC LINE MARKERS.

1. LOCATE MARKERS DIRECTLY OVER THE BURIED CONDUIT AT 12 INCHES TO 18 INCHES BELOW FINISHED GRADE.

2. WHERE MULTIPLE SMALL CONDUITS ARE BURIED IN COMMON TRENCHES AND DO NOT EXCEED AN OVERALL TRENCH WIDTH OF 16 INCHES, INSTALL A SINGLE LINE MARKER.

I. DEPOSIT SUITABLE BACKFILL MATERIAL AROUND THE CONDUIT IN 6-INCH LAYERS AND THOROUGHLY COMPACT BY HAND, MACHINE TAMPER, OR OTHER SUITABLE EQUIPMENT.

J. BACKFILL TO AT LEAST 90 PERCENT OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT DETERMINED BY ASTM D698 UNTIL THE CONDUIT HAS A MINIMUM COVER OF 2 FEET.

K. THE MOISTURE CONTENT OF THE SOIL AT TIME OF COMPACTION SHALL BE NOT MORE THAN 3 PERCENT ABOVE OR 3 PERCENT BELOW THE OPTIMUM.

L. BE CAREFUL NOT TO DISTURB THE CONDUIT.

M. CARRY BACKFILLING ON SIMULTANEOUSLY ON BOTH SIDES OF THE CONDUIT TO ELIMINATE THE POSSIBILITY OF LATERAL DISPLACEMENT.

N. RETURN SURFACE TO ORIGINAL CONDITION.

3.9 UTILITY COMPANY SERVICE

A. VERIFY DETAILS RELATED TO THE ELECTRICAL SERVICE AND METERING WITH THE UTILITY COMPANY.

B. THE UTILITY COMPANY WILL PROVIDE AND INSTALL THE PRIMARY CABLES AND TRANSFORMER AND WILL CONNECT THE SECONDARY CABLES TO THE TRANSFORMER.

C. THE PRIMARY CONDUIT(S), SECONDARY CABLES, TERMINATIONS AND CONDUITS, AND THE TRANSFORMER PAD ARE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

3.10 FIELD QUALITY CONTROL

A. INSPECT INSTALLED COMPONENTS FOR DAMAGE AND FAULTY WORK. REPAIR AS NECESSARY.

3.11 CLEANING AND PROTECTION

A. REMOVE BURRS, DIRT, PAINT SPOTS, AND CONSTRUCTION DEBRIS FROM ELECTRICAL ITEMS.

B. PROTECT ELECTRICAL ITEMS SO THAT FINISHES ARE WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

C. ALL CABLES AND WIRING SHALL BE PROTECTED FROM PAINT. THIS INCLUDES BUT IS NOT LIMITED TO POWER CONDUCTORS AND FEEDERS, LIGHTING CONTROL WIRING, AND FIRE ALARM CABLING. PAINTED CABLES SHALL BE REPLACED IN THEIR ENTIRETY.

END OF SECTION

SECTION 26 0519
LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. SINGLE CONDUCTOR BUILDING WIRE.

B. WIRING CONNECTORS.

1.2 ADMINISTRATIVE REQUIREMENTS

A. COORDINATION:

1. COORDINATE SIZES OF RACEWAYS, BOXES, AND EQUIPMENT ENCLOSURES INSTALLED UNDER OTHER SECTIONS WITH THE ACTUAL CONDUCTORS TO BE INSTALLED, INCLUDING ADJUSTMENTS FOR CONDUCTOR SIZES INCREASED FOR VOLTAGE DROP.

2. COORDINATE WITH ELECTRICAL EQUIPMENT INSTALLED UNDER OTHER SECTIONS TO PROVIDE TERMINATIONS SUITABLE FOR USE WITH THE CONDUCTORS TO BE INSTALLED.

3. NOTIFY ARCHITECT OF ANY CONFLICTS WITH OR DEVIATIONS FROM CONTRACT DOCUMENTS. OBTAIN DIRECTION BEFORE PROCEEDING WITH WORK.

PART 2 PRODUCTS

2.1 CONDUCTOR AND CABLE GENERAL REQUIREMENTS

A. PROVIDE PRODUCTS THAT COMPLY WITH REQUIREMENTS OF NFPA 70.

B. PROVIDE PRODUCTS LISTED, CLASSIFIED, AND LABELED AS SUITABLE FOR THE PURPOSE INTENDED.

C. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE ALL REQUIRED CONDUIT, BOXES, WIRING, CONNECTORS, ETC. AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.

D. COMPLY WITH NEMA WC 70.

E. THERMOPLASTIC-INSULATED CONDUCTORS AND CABLES: LISTED AND LABELED AS COMPLYING WITH UL 83.

F. THERMOSET-INSULATED CONDUCTORS AND CABLES: LISTED AND LABELED AS COMPLYING WITH UL 44.

G. CONDUCTOR MATERIAL:

1. COPPER CONDUCTORS: SOFT DRAWN ANNEALED, 99 PERCENT CONDUCTIVITY, UNCOATED COPPER CONDUCTORS COMPLYING WITH ASTM B3, ASTM B8, OR ASTM B787/B787M UNLESS OTHERWISE INDICATED.

2. TINNED COPPER CONDUCTORS: COMPLY WITH ASTM B33.

H. MINIMUM CONDUCTOR SIZE:

1. BRANCH CIRCUITS: 12 AWG.

2. CONTROL CIRCUITS: 14 AWG.

I. CONDUCTOR COLOR CODING:

1. COLOR CODE CONDUCTORS AS INDICATED UNLESS OTHERWISE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. MAINTAIN CONSISTENT COLOR CODING THROUGHOUT PROJECT.

2. COLOR CODING METHOD: INTEGRALLY COLORED INSULATION.

3. COLOR CODE:

a. 240/120 V, 1 PHASE, 3 WIRE SYSTEM:

1) PHASE A: BLACK.

2) PHASE B: RED.

3) NEUTRAL/GROUNDED: WHITE.

b. EQUIPMENT GROUND, ALL SYSTEMS: GREEN.

c. FOR CONTROL CIRCUITS, COMPLY WITH MANUFACTURER'S RECOMMENDED COLOR CODE.

2.2 SINGLE CONDUCTOR BUILDING WIRE

A. DESCRIPTION: SINGLE CONDUCTOR INSULATED WIRE.

B. CONDUCTOR STRANDING:

1. FEEDERS AND BRANCH CIRCUITS:

a. SIZE 10 AWG AND SMALLER: SOLID.

C. INSULATION VOLTAGE RATING: 600 V.

D. INSULATION:

1. COPPER BUILDING WIRE: TYPE THHN/THWN, THHN/THWN-2, OR XHHW-2, EXCEPT AS INDICATED BELOW.

a. INSTALLED UNDERGROUND: TYPE XHHW-2 OR THHN/THWN-2.

2.3 WIRING CONNECTORS

A. DESCRIPTION: WIRING CONNECTORS APPROPRIATE FOR THE APPLICATION, SUITABLE FOR USE WITH THE CONDUCTORS TO BE CONNECTED, AND LISTED AS COMPLYING WITH UL 486A-486B OR UL 486C AS APPLICABLE.

B. WIRING CONNECTORS FOR SPLICES AND TAPS:

1. COPPER CONDUCTORS SIZE 8 AWG AND SMALLER: USE TWIST-ON INSULATED SPRING CONNECTORS.

2. COPPER CONDUCTORS SIZE 6 AWG AND LARGER: USE MECHANICAL CONNECTORS OR COMPRESSION CONNECTORS.

C. WIRING CONNECTORS FOR TERMINATIONS:

1. PROVIDE TERMINAL LUGS FOR CONNECTING CONDUCTORS TO EQUIPMENT FURNISHED WITH TERMINATIONS DESIGNED FOR TERMINAL LUGS.

2. WHERE OVER-SIZED CONDUCTORS ARE LARGER THAN THE EQUIPMENT TERMINATIONS CAN ACCOMMODATE, PROVIDE CONNECTORS SUITABLE FOR REDUCING TO APPROPRIATE SIZE, BUT NOT LESS THAN REQUIRED FOR THE RATING OF THE OVERCURRENT PROTECTIVE DEVICE.

D. DO NOT USE INSULATION-PIERCING OR INSULATION-DISPLACEMENT CONNECTORS DESIGNED FOR USE WITH CONDUCTORS WITHOUT STRIPPING INSULATION.

E. DO NOT USE PUSH-IN WIRE CONNECTORS AS A SUBSTITUTE FOR TWIST-ON INSULATED SPRING CONNECTORS.

F. TWIST-ON INSULATED SPRING CONNECTORS: RATED 600 V, 221 DEGREES F FOR STANDARD APPLICATIONS AND 302 DEGREES F FOR HIGH TEMPERATURE APPLICATIONS; PRE-FILLED WITH SEALANT AND LISTED AS COMPLYING WITH UL 486D FOR DAMP AND WET LOCATIONS.

G. MECHANICAL CONNECTORS: PROVIDE BOLTED TYPE OR SET-SCREW TYPE.

H. COMPRESSION CONNECTORS: PROVIDE CIRCUMFERENTIAL TYPE OR HEX TYPE CRIMP CONFIGURATION.

PART 3 EXECUTION

3.1 EXAMINATION

A. VERIFY THAT WORK LIKELY TO DAMAGE WIRE AND CABLE HAS BEEN COMPLETED.

B. VERIFY THAT RACEWAYS, BOXES, AND EQUIPMENT ENCLOSURES ARE INSTALLED AND ARE PROPERLY SIZED TO ACCOMMODATE CONDUCTORS AND CABLES IN ACCORDANCE WITH NFPA 70.

C. VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED.

D. VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION PRIOR TO STARTING WORK.

3.2 INSTALLATION

A. CIRCUITING REQUIREMENTS:

1. WHEN CIRCUIT DESTINATION IS INDICATED WITHOUT SPECIFIC ROUTING, DETERMINE EXACT ROUTING REQUIRED.

2. INSTALL SERVICE AND FEEDER CONDUCTORS UNSPLICED UNLESS OTHERWISE INDICATED.

3. ARRANGE BRANCH CIRCUITING TO MINIMIZE SPLICES.

B. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

C. PERFORM WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP).

D. INSTALLATION IN RACEWAY:

1. PULL ALL CONDUCTORS AND CABLES TOGETHER INTO RACEWAY AT SAME TIME.

2. DO NOT DAMAGE CONDUCTORS AND CABLES OR EXCEED MANUFACTURER'S RECOMMENDED MAXIMUM PULLING TENSION AND SIDEWALL PRESSURE.

3. USE SUITABLE WIRE PULLING LUBRICANT WHERE NECESSARY, EXCEPT AS BELOW:

a. DO NOT USE WHEN LUBRICANT IS NOT RECOMMENDED BY THE CONDUCTOR MANUFACTURER.

E. INSTALL CONDUCTORS WITH A MINIMUM OF 6 INCHES OF SLACK AT EACH OUTLET.

F. NEATLY TRAIN AND BUNDLE CONDUCTORS INSIDE BOXES, WIREWAYS, PANELBOARDS AND OTHER EQUIPMENT ENCLOSURES.

G. GROUP OR OTHERWISE IDENTIFY NEUTRAL/GROUNDED CONDUCTORS WITH ASSOCIATED UNGROUNDED CONDUCTORS INSIDE ENCLOSURES IN ACCORDANCE WITH NFPA 70.

H. MAKE WIRING CONNECTIONS USING SPECIFIED WIRING CONNECTORS.

1. MAKE SPLICES AND TAPS ONLY IN ACCESSIBLE BOXES. DO NOT PULL SPLICES INTO RACEWAYS OR MAKE SPLICES IN CONDUIT BODIES.

2. REMOVE APPROPRIATE AMOUNT OF CONDUCTOR INSULATION FOR MAKING CONNECTIONS WITHOUT CUTTING, NICKING OR DAMAGING CONDUCTORS.

3. DO NOT REMOVE CONDUCTOR STRANDS TO FACILITATE INSERTION INTO CONNECTOR.

4. CLEAN CONTACT SURFACES ON CONDUCTORS AND CONNECTORS TO SUITABLE REMOVE CORROSION, OXIDES, AND OTHER CONTAMINATES. DO NOT USE WIRE BRUSH ON PLATED CONNECTOR SURFACES.

5. MECHANICAL CONNECTORS: SECURE CONNECTIONS ACCORDING TO MANUFACTURER'S RECOMMENDED TORQUE SETTINGS.

6. COMPRESSION CONNECTORS: SECURE CONNECTIONS USING MANUFACTURER'S RECOMMENDED TOOLS AND DIES.

I. INSULATE SPLICES AND TAPS THAT ARE MADE WITH UNINSULATED CONNECTORS USING METHODS SUITABLE FOR THE APPLICATION, WITH INSULATION AND MECHANICAL STRENGTH AT LEAST EQUIVALENT

TO UNSPLICED CONDUCTORS.

1. DRY LOCATIONS: USE INSULATING COVERS SPECIFICALLY DESIGNED FOR THE CONNECTORS OR HEAT SHRINK TUBING.

2. DAMP LOCATIONS: USE INSULATING COVERS SPECIFICALLY DESIGNED FOR THE CONNECTORS OR HEAT SHRINK TUBING.

a. FOR CONNECTIONS WITH INSULATING COVERS, APPLY OUTER COVERING OF MOISTURE SEALING ELECTRICAL TAPE.

3. WET LOCATIONS: USE HEAT SHRINK TUBING.

J. INSULATE ENDS OF SPARE CONDUCTORS USING VINYL INSULATING ELECTRICAL TAPE.

K. IDENTIFY CONDUCTORS AND CABLES IN ACCORDANCE WITH SECTION 26 0526.

L. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE FINAL CONNECTIONS TO ALL EQUIPMENT AND DEVICES, INCLUDING THOSE FURNISHED BY OTHERS, AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.

END OF SECTION

SECTION 26 0526
GROUNDING AND BONDING

PART 1 GENERAL

1.1 SECTION INCLUDES

A. GROUNDING AND BONDING REQUIREMENTS.

B. CONDUCTORS FOR GROUNDING AND BONDING.

C. CONNECTORS FOR GROUNDING AND BONDING.

D. GROUND ROD ELECTRODES.

E. NECA 1 - STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.

F. NEMA GR 1 - GROUNDING ROD ELECTRODES AND GROUNDING ROD ELECTRODE COUPLINGS.

G. NFPA 70 - NATIONAL ELECTRICAL CODE.

H. UL 467 - GROUNDING AND BONDING EQUIPMENT.

I. TIA/EIA-607 - COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.

1.2 ADMINISTRATIVE REQUIREMENTS

A. COORDINATION:

1. NOTIFY ARCHITECT OF ANY CONFLICTS WITH OR DEVIATIONS FROM CONTRACT DOCUMENTS. OBTAIN DIRECTION BEFORE PROCEEDING WITH WORK.

B. SEQUENCING:

1. DO NOT INSTALL GROUND ROD ELECTRODES UNTIL FINAL BACKFILL AND COMPACTION IS COMPLETE.

PART 2 PRODUCTS

2.1 GROUNDING AND BONDING REQUIREMENTS

A. DO NOT USE PRODUCTS FOR APPLICATIONS OTHER THAN AS PERMITTED BY NFPA 70 AND PRODUCT LISTING.

B. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE ALL REQUIRED COMPONENTS, CONDUCTORS, CONNECTORS, CONDUIT, BOXES, FITTINGS, SUPPORTS, ACCESSORIES, ETC. AS NECESSARY FOR A COMPLETE GROUNDING AND BONDING SYSTEM.

C. WHERE CONDUCTOR SIZE IS NOT INDICATED, SIZE TO COMPLY WITH NFPA 70 BUT NOT LESS THAN APPLICABLE MINIMUM SIZE REQUIREMENTS SPECIFIED.

D. GROUNDING ELECTRODE SYSTEM:

1. PROVIDE CONNECTION TO REQUIRED AND SUPPLEMENTAL GROUNDING ELECTRODES INDICATED TO FORM GROUNDING ELECTRODE SYSTEM.

a. PROVIDE CONTINUOUS GROUNDING ELECTRODE CONDUCTORS WITHOUT SPLICE OR JOINT.

b. INSTALL GROUNDING ELECTRODE CONDUCTORS IN RACEWAY. BOND GROUNDING ELECTRODE CONDUCTOR TO METALLIC RACEWAYS AT EACH END WITH BONDING JUMPER.

2. GROUND ROD ELECTRODE(S):

a. PROVIDE TWO ELECTRODES UNLESS OTHERWISE INDICATED OR REQUIRED.

b. SPACE ELECTRODES NOT LESS THAN 10 FEET FROM EACH OTHER AND ANY OTHER GROUND ELECTRODE.

E. SERVICE-SUPPLIED SYSTEM GROUNDING:

1. FOR EACH SERVICE DISCONNECT, PROVIDE MAIN BONDING JUMPER TO CONNECT NEUTRAL (GROUNDED) BUS TO EQUIPMENT GROUND BUS WHERE NOT FACTORY-INSTALLED. DO NOT MAKE ANY OTHER CONNECTIONS BETWEEN NEUTRAL (GROUNDED) CONDUCTORS AND GROUND ON LOAD SIDE OF SERVICE DISCONNECT.

F. BONDING AND EQUIPMENT GROUNDING:

1. PROVIDE BONDING FOR EQUIPMENT GROUNDING CONDUCTORS, EQUIPMENT GROUND BUSES, METALLIC EQUIPMENT ENCLOSURES, METALLIC RACEWAYS AND BOXES, DEVICE GROUNDING TERMINALS, AND OTHER NORMALLY NON-CURRENT-CARRYING CONDUCTIVE MATERIALS ENCLOSING ELECTRICAL CONDUCTORS/EQUIPMENT OR LIKELY TO BECOME ENERGIZED AS INDICATED AND IN ACCORDANCE WITH NFPA 70.

2. PROVIDE INSULATED EQUIPMENT GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CIRCUIT RACEWAY. DO NOT USE RACEWAYS AS SOLE EQUIPMENT GROUNDING CONDUCTOR.

3. WHERE CIRCUIT CONDUCTOR SIZES ARE INCREASED FOR VOLTAGE DROP, INCREASE SIZE OF EQUIPMENT GROUNDING CONDUCTOR PROPORTIONALLY IN ACCORDANCE WITH NFPA 70.

4. UNLESS OTHERWISE INDICATED, CONNECT WIRING DEVICE GROUNDING TERMINAL TO BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR AND TO OUTLET BOX WITH BONDING JUMPER.

5. TERMINATE BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTORS ON SOLIDLY BONDED EQUIPMENT GROUND BUS ONLY. DO NOT TERMINATE ON NEUTRAL (GROUNDED) OR ISOLATED/INSULATED GROUND BUS.

6. PROVIDE BONDING JUMPER ACROSS EXPANSION OR EXPANSION/DEFLECTION FITTINGS PROVIDED TO ACCOMMODATE CONDUIT MOVEMENT.

PART 3 EXECUTION

3.1 EXAMINATION

A. VERIFY THAT WORK LIKELY TO DAMAGE GROUNDING AND BONDING SYSTEM COMPONENTS HAS BEEN COMPLETED.

B. VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED.

C. VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION PRIOR TO STARTING WORK.

3.2 INSTALLATION

A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. PERFORM WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP).

C. GROUND ROD ELECTRODES: UNLESS OTHERWISE INDICATED, INSTALL GROUND ROD ELECTRODES VERTICALLY WHERE ENCOUNTERED ROCK PROHIBITS VERTICAL INSTALLATION. INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES (750 MM) DEEP IN ACCORDANCE WITH NFPA 70 OR INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES (750 MM) DEEP IN ACCORDANCE WITH NFPA 70.

1. OUTDOOR INSTALLATIONS: UNLESS OTHERWISE INDICATED, INSTALL WITH TOP OF ROD 6 INCHES BELOW FINISHED GRADE.

D. INSTALL EACH BONDING CONDUCTOR IN A DIRECT ROUTE, AND PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURE OR SURFACES, WITHOUT INTERFERING WITH OTHER SYSTEMS OR EQUIPMENT.

E. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT UNLESS OTHERWISE INDICATED. BOND EACH END OF THE CONDUIT TO THE GROUNDING CONDUCTOR USING AN APPROPRIATE GROUNDING BUSHING.

F. MAKE GROUNDING AND BONDING CONNECTIONS USING SPECIFIED CONNECTORS.

1. REMOVE APPROPRIATE AMOUNT OF CONDUCTOR INSULATION FOR MAKING CONNECTIONS WITHOUT CUTTING, NICKING OR DAMAGING CONDUCTORS. DO NOT REMOVE CONDUCTOR STRANDS TO FACILITATE INSERTION INTO CONNECTOR.

2. REMOVE NONCONDUCTIVE PAINT, ENAMEL, OR SIMILAR COATING AT THREADS, CONTACT POINTS, AND CONTACT SURFACES.

3. EXOTHERMIC WELDS: MAKE CONNECTIONS USING MOLDS AND WELD MATERIAL SUITABLE FOR THE ITEMS TO BE CONNECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

4. MECHANICAL CONNECTORS: SECURE CONNECTIONS ACCORDING TO MANUFACTURER'S RECOMMENDED TORQUE SETTINGS.

5. COMPRESSION CONNECTORS: SECURE CONNECTIONS USING MANUFACTURER'S RECOMMENDED TOOLS AND DIES.

3.3 FIELD QUALITY CONTROL

A. PERFORM GROUND ELECTRODE RESISTANCE TESTS UNDER NORMALLY DRY CONDITIONS. PRECIPITATION WITHIN THE PREVIOUS 48 HOURS DOES NOT CONSTITUTE NORMALLY DRY CONDITIONS.

B. INVESTIGATE AND CORRECT DEFICIENCIES WHERE MEASURED GROUND RESISTANCES DO NOT COMPLY WITH SPECIFIED REQUIREMENTS.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. SUPPORT AND ATTACHMENT REQUIREMENTS AND COMPONENTS FOR EQUIPMENT, CONDUIT, CABLE, BOXES, AND OTHER ELECTRICAL WORK.

B. ASTM A129A/129M - STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.

C. ASTM A153A/153M - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.

D. ASTM B633 - STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF ZINC ON IRON AND STEEL.

E. MFMA-4 - METAL FRAMING STANDARDS PUBLICATION.

F. NECA 1 - STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.

G. NFPA 70 - NATIONAL ELECTRICAL CODE.

1.2 ADMINISTRATIVE REQUIREMENTS

A. COORDINATION:

1. PROVIDE PRODUCTS LISTED, CLASSIFIED, AND LABELED AS SUITABLE FOR THE PURPOSE INTENDED.

2. PROVIDE PRODUCTS LISTED AND LABELED AS COMPLYING WITH UL 467 WHERE APPLICABLE.

B. CONDUCTORS FOR GROUNDING AND BONDING, IN ADDITION TO REQUIREMENTS OF SECTION 26 0526:

1. USE INSULATED COPPER CONDUCTORS UNLESS OTHERWISE INDICATED.

a. EXCEPTIONS:

1) USE BARE TINNED COPPER CONDUCTORS WHERE INSTALLED UNDERGROUND IN DIRECT CONTACT WITH EARTH.

2) USE BARE COPPER CONDUCTORS WHERE DIRECTLY ENCASED IN CONCRETE (NOT IN RACEWAY).

C. CONNECTORS FOR GROUNDING AND BONDING:

1. DESCRIPTION: CONNECTORS APPROPRIATE FOR THE APPLICATION AND SUITABLE FOR THE CONDUCTORS AND ITEMS TO BE CONNECTED; LISTED AND LABELED AS COMPLYING WITH UL 467.

2. UNLESS OTHERWISE INDICATED, USE EXOTHERMIC WELDED CONNECTIONS, HIGH-PRESSURE COMPRESSION CONNECTIONS, OR HIGH-PRESSURE COMPRESSION CONNECTIONS FOR UNDERGROUND, CONCEALED AND OTHER INACCESSIBLE CONNECTIONS.

3. UNLESS OTHERWISE INDICATED, USE COMPRESSION CONNECTORS FOR ACCESSIBLE CONNECTIONS. FOR #6 AWG AND SMALLER, USE ONE-HOLE LUGS. FOR #4 AWG AND LARGER, USE TWO-HOLE LUGS.

4. MANUFACTURERS - HIGH-PRESSURE COMPRESSION CONNECTORS:

a. BURNDY: WWW.BURNDY.COM; HYGROUND SYSTEM

b. THOMAS & BETTS: WWW.TNB.COM.

D. GROUND ROD ELECTRODES:

1. COMPLY WITH NEMA GR 1.

2. MATERIAL: COPPER-BONDED (COPPER-CLAD) STEEL.

3. SIZE: 3/4 INCH DIAMETER BY 10 FEET LENGTH, UNLESS OTHERWISE INDICATED.

PART 3 EXECUTION

3.1 EXAMINATION

A. VERIFY THAT WORK LIKELY TO DAMAGE GROUNDING AND BONDING SYSTEM COMPONENTS HAS BEEN COMPLETED.

B. VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED.

C. VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION PRIOR TO STARTING WORK.

3.2 INSTALLATION

A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. PERFORM WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP).

C. GROUND ROD ELECTRODES: UNLESS OTHERWISE INDICATED, INSTALL GROUND ROD ELECTRODES VERTICALLY WHERE ENCOUNTERED ROCK PROHIBITS VERTICAL INSTALLATION. INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES (750 MM) DEEP IN ACCORDANCE WITH NFPA 70 OR INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES (750 MM) DEEP IN ACCORDANCE WITH NFPA 70.

1. OUTDOOR INSTALLATIONS: UNLESS OTHERWISE INDICATED, INSTALL WITH TOP OF ROD 6 INCHES BELOW FINISHED GRADE.

D. INSTALL EACH BONDING CONDUCTOR IN A DIRECT ROUTE, AND PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURE OR SURFACES, WITHOUT INTERFERING WITH OTHER SYSTEMS OR EQUIPMENT.

E. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT UNLESS OTHERWISE INDICATED. BOND EACH END OF THE CONDUIT TO THE GROUNDING CONDUCTOR USING AN APPROPRIATE GROUNDING BUSHING.

F. MAKE GROUNDING AND BONDING CONNECTIONS USING SPECIFIED CONNECTORS.

1. REMOVE APPROPRIATE AMOUNT OF CONDUCTOR INSULATION FOR MAKING CONNECTIONS WITHOUT CUTTING, NICKING OR DAMAGING CONDUCTORS. DO NOT REMOVE CONDUCTOR STRANDS TO FACILITATE INSERTION INTO CONNECTOR.

2. REMOVE NONCONDUCTIVE PAINT, ENAMEL, OR SIMILAR COATING AT THREADS, CONTACT POINTS, AND CONTACT SURFACES.

3. EXOTHERMIC WELDS: MAKE CONNECTIONS USING MOLDS AND WELD MATERIAL SUITABLE FOR THE ITEMS TO BE CONNECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

4. MECHANICAL CONNECTORS: SECURE CONNECTIONS ACCORDING TO MANUFACTURER'S RECOMMENDED TORQUE SETTINGS.

5. COMPRESSION CONNECTORS: SECURE CONNECTIONS USING MANUFACTURER'S RECOMMENDED TOOLS AND DIES.

3.3 FIELD QUALITY CONTROL

A. PERFORM GROUND ELECTRODE RESISTANCE TESTS UNDER NORMALLY DRY CONDITIONS. PRECIPITATION WITHIN THE PREVIOUS 48 HOURS DOES NOT CONSTITUTE NORMALLY DRY CONDITIONS.

B. INVESTIGATE AND CORRECT DEFICIENCIES WHERE MEASURED GROUND RESISTANCES DO NOT COMPLY WITH SPECIFIED REQUIREMENTS.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. SUPPORT AND ATTACHMENT REQUIREMENTS AND COMPONENTS FOR EQUIPMENT, CONDUIT, CABLE, BOXES, AND OTHER ELECTRICAL WORK.

B. ASTM A129A/129M - STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.

C. ASTM A153A/153M - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.

D. ASTM B633 - STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF ZINC ON IRON AND STEEL.

E. MFMA-4 - METAL FRAMING STANDARDS PUBLICATION.

F. NECA 1 - STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.

G. NFPA 70 - NATIONAL ELECTRICAL CODE.

1.2 ADMINISTRATIVE REQUIREMENTS

A. COORDINATION:

SECTION 26 0529
HANGERS AND SUPPORTS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. SUPPORT AND ATTACHMENT REQUIREMENTS AND COMPONENTS FOR EQUIPMENT, CONDUIT, CABLE, BOXES, AND OTHER ELECTRICAL WORK.

B. ASTM A129A/129M - STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.

C. ASTM A153A/153M - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.

D. ASTM B633 - STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF ZINC ON IRON AND STEEL.

E. MFMA-4 - METAL FRAMING STANDARDS PUBLICATION.

F. NECA 1 - STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.

G. NFPA 70 - NATIONAL ELECTRICAL CODE.

PART 3 EXECUTION

3.1 EXAMINATION

A. VERIFY THAT WORK LIKELY TO DAMAGE GROUNDING AND BONDING SYSTEM COMPONENTS HAS BEEN COMPLETED.

B. VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED.

C. VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION PRIOR TO STARTING WORK.

3.2 INSTALLATION

A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

B. PERFORM WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP).

C. GROUND ROD ELECTRODES: UNLESS OTHERWISE INDICATED, INSTALL GROUND ROD ELECTRODES VERTICALLY WHERE ENCOUNTERED ROCK PROHIBITS VERTICAL INSTALLATION. INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES (750 MM) DEEP IN ACCORDANCE WITH NFPA 70 OR INSTALL AT 45 DEGREE ANGLE OR BURY HORIZONTALLY IN TRENCH AT LEAST 30 INCHES (750 MM) DEEP IN ACCORDANCE WITH NFPA 70.

1. OUTDOOR INSTALLATIONS: UNLESS OTHERWISE INDICATED, INSTALL WITH TOP OF ROD 6 INCHES BELOW FINISHED GRADE.

D. INSTALL EACH BONDING CONDUCTOR IN A DIRECT ROUTE, AND PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURE OR SURFACES, WITHOUT INTERFERING WITH OTHER SYSTEMS OR EQUIPMENT.

E. INSTALL GROUNDING CONDUCTORS IN EMT CONDUIT UNLESS OTHERWISE INDICATED. BOND EACH END OF THE CONDUIT TO THE GROUNDING CONDUCTOR USING AN APPROPRIATE GROUNDING BUSHING.

F. MAKE GROUNDING AND BONDING CONNECTIONS USING SPECIFIED CONNECTORS.

1. REMOVE APPROPRIATE AMOUNT OF CONDUCTOR INSULATION FOR MAKING CONNECTIONS WITHOUT CUTTING, NICKING OR DAMAGING CONDUCTORS. DO NOT REMOVE CONDUCTOR STRANDS TO FACILITATE INSERTION INTO CONNECTOR.

2. REMOVE NONCONDUCTIVE PAINT, ENAMEL, OR SIMILAR COATING AT THREADS, CONTACT POINTS, AND CONTACT SURFACES.

3. EXOTHERMIC WELDS: MAKE CONNECTIONS USING MOLDS AND WELD MATERIAL SUITABLE FOR THE ITEMS TO BE CONNECTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

4. MECHANICAL CONNECTORS: SECURE CONNECTIONS ACCORDING TO MANUFACTURER'S RECOMMENDED TORQUE SETTINGS.

5. COMPRESSION CONNECTORS: SECURE CONNECTIONS USING MANUFACTURER'S RECOMMENDED TOOLS AND DIES.

3.3 FIELD QUALITY CONTROL

A. PERFORM GROUND ELECTRODE RESISTANCE TESTS UNDER NORMALLY DRY CONDITIONS. PRECIPITATION WITHIN THE PREVIOUS 48 HOURS DOES NOT CONSTITUTE NORMALLY DRY CONDITIONS.

B. INVESTIGATE AND CORRECT DEFICIENCIES WHERE MEASURED GROUND RESISTANCES DO NOT COMPLY WITH SPECIFIED REQUIREMENTS.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. SUPPORT AND ATTACHMENT REQUIREMENTS AND COMPONENTS FOR EQUIPMENT, CONDUIT, CABLE, BOXES, AND OTHER ELECTRICAL WORK.

B. ASTM A129A/129M - STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS.

C. ASTM A153A/153M - STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE.

D. ASTM B633 - STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF ZINC ON IRON AND STEEL.

E. MFMA-4 - METAL FRAMING STANDARDS PUBLICATION.

F. NECA 1 - STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.

G. NFPA 70 - NATIONAL ELECTRICAL CODE.

1.2 ADMINISTRATIVE REQUIREMENTS

A. COORDINATION:

MARK

Engineer: JUV

Checked By: JUV

Technician: GJH

REVISION

Scale: 1" = 1"

Checked By: JUV

Date: 08-01-2025

T.R.S.: TTN-FRW-SS

Date: 08-01-2025

Project No: 123.1013.10

Sheet E.4

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CARTER LAKE, IOWA

ELECTRICAL SPECIFICATIONS

2727 S.W. SNYDER BLVD
ANKENY, IOWA 50023
515-964-2020 | www.snyder-associates.com

PROJECT NO: 123.1013.10

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PROJECT NO: 123.1013.10

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Main table containing electrical specifications, including sections for PART 1 GENERAL, PART 2 PRODUCTS, PART 3 EXECUTION, and PART 4 IDENTIFICATION FOR ELECTRICAL SYSTEMS. Includes details on materials, installation, and identification requirements.

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Table with columns: MARK, REVISION, DATE, BY. Includes revision history for the drawing.

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ANKENY, IOWA 50023
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CARTER LAKE FLOW MONITORING
ELECTRICAL SPECIFICATIONS
SNYDER & ASSOCIATES, INC.



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- 1. SURFACE-MOUNTED EQUIPMENT: ENCLOSURE FRONT.
 - 2. FLUSH-MOUNTED EQUIPMENT: INSIDE OF EQUIPMENT DOOR WHEN INSTALLED IN A FINISHED LOCATION.
 - 3. FREE-STANDING EQUIPMENT: ENCLOSURE FRONT; ALSO ENCLOSURE REAR FOR EQUIPMENT WITH REAR ACCESS.
 - 4. ELEVATED EQUIPMENT: LEGIBLE FROM THE FLOOR OR WORKING PLATFORM.
- C. INSTALL IDENTIFICATION PRODUCTS CENTERED, LEVEL, AND PARALLEL WITH LINES OF ITEM BEING IDENTIFIED.
- D. SECURE NAMEPLATES TO EXTERIOR SURFACES OF ENCLOSURES USING STAINLESS STEEL SCREWS OR SELF-ADHESIVE BACKING AND TO INTERIOR SURFACES USING SELF-ADHESIVE BACKING.
- E. INSTALL SELF-ADHESIVE LABELS AND MARKERS TO ACHIEVE MAXIMUM ADHESION, WITH NO BUBBLES OR WRINKLES AND EDGES PROPERLY SEALED.
- F. INSTALL UNDERGROUND WARNING TAPE ABOVE BURIED LINES WITH ONE TAPE PER TRENCH AT 6 INCHES BELOW FINISHED GRADE.

END OF SECTION

SECTION 26 2813
FUSES

PART 1 GENERAL

- 1.1 SECTION INCLUDES
 - A. FUSES.
- 1.2 ADMINISTRATIVE REQUIREMENTS
 - A. COORDINATION:
 - 1. COORDINATE FUSE CLIPS FURNISHED IN EQUIPMENT PROVIDED UNDER OTHER SECTIONS FOR COMPATIBILITY WITH INDICATED FUSES.
 - 2. COORDINATE FUSE REQUIREMENTS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND NAMEPLATE DATA FOR ACTUAL EQUIPMENT TO BE INSTALLED.
 - 3. NOTIFY ARCHITECT OF ANY CONFLICTS WITH OR DEVIATIONS FROM CONTRACT DOCUMENTS. OBTAIN DIRECTION BEFORE PROCEEDING WITH WORK.

1.3 SUBMITTALS

- A. PRODUCT DATA: PROVIDE MANUFACTURER'S STANDARD DATA SHEETS INCLUDING VOLTAGE AND CURRENT RATINGS, INTERRUPTING RATINGS, TIME-CURRENT CURVES, AND CURRENT LIMITATION CURVES.

PART 2 PRODUCTS

- 2.1 MANUFACTURERS
 - A. BUSSMANN, A DIVISION OF EATON CORPORATION: WWW.COOPERINDUSTRIES.COM#SLE.
 - B. LITTELFUSE, INC: WWW.LITTELFUSE.COM#SLE.
 - C. MERSEN: EP-US.MERSEN.COM#SLE.
- 2.2 APPLICATIONS
 - A. FUSES 600 AMPS OR SMALLER: CLASS RK1, TIME DELAY, EQUIVALENT TO BUSSMANN LOW PEAK. PROVIDE WITH OPEN FUSE INDICATION WHERE AVAILABLE.
 - B. IN-LINE PROTECTION FOR POLE-MOUNTED LUMINAIRES: CLASS CC, TIME-DELAY.
- 2.3 FUSES
 - A. PROVIDE PRODUCTS LISTED, CLASSIFIED, AND LABELED AS SUITABLE FOR THE PURPOSE INTENDED.
 - B. UNLESS SPECIFICALLY INDICATED TO BE EXCLUDED, PROVIDE FUSES FOR ALL FUSIBLE EQUIPMENT AS REQUIRED FOR A COMPLETE OPERATING SYSTEM.
 - C. PROVIDE FUSES OF THE SAME TYPE, RATING, AND MANUFACTURER WITHIN THE SAME SWITCH.
 - D. COMPLY WITH UL 248-1.
 - E. UNLESS OTHERWISE INDICATED, PROVIDE CARTRIDGE TYPE FUSES COMPLYING WITH NEMA FU 1, CLASS AND RATINGS AS INDICATED.
 - F. VOLTAGE RATING: SUITABLE FOR CIRCUIT VOLTAGE.
 - G. PROVIDE THE FOLLOWING ACCESSORIES WHERE INDICATED OR WHERE REQUIRED TO COMPLETE INSTALLATION:
 - 1. FUSEHOLDERS: COMPATIBLE WITH INDICATED FUSES.
 - 2. FUSE REDUCERS: FOR ADAPTING INDICATED FUSES TO PERMIT INSTALLATION IN SWITCH DESIGNED FOR FUSES WITH LARGER AMPERE RATINGS.

PART 3 EXECUTION

- 3.1 EXAMINATION
 - A. VERIFY THAT FUSE RATINGS ARE CONSISTENT WITH CIRCUIT VOLTAGE AND MANUFACTURER'S RECOMMENDATIONS AND NAMEPLATE DATA FOR EQUIPMENT.
 - B. VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION PRIOR TO STARTING WORK.
- 3.2 INSTALLATION
 - A. DO NOT INSTALL FUSES UNTIL CIRCUITS ARE READY TO BE ENERGIZED.
 - B. INSTALL FUSES WITH LABEL ORIENTED SUCH THAT MANUFACTURER, TYPE, AND SIZE ARE EASILY READ.

END OF SECTION

SECTION 26 2816.16
ENCLOSED SWITCHES

PART 1 GENERAL

- 1.1 SECTION INCLUDES
 - A. ENCLOSED SAFETY SWITCHES.
 - B. NECA 1 - STANDARD FOR GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION.
 - C. NEMA EN 10250 - ENCLOSURES FOR ELECTRICAL EQUIPMENT (1000 VOLTS MAXIMUM).
 - D. NEMA BS 31047 - HEAVY DUTY ENCLOSED AND DEAD-FRONT SWITCHES (600 VOLTS MAXIMUM).

- E. NFPA 70 - NATIONAL ELECTRICAL CODE.
 - F. UL 50 - ENCLOSURES FOR ELECTRICAL EQUIPMENT, NON-ENVIRONMENTAL CONSIDERATIONS.
 - G. UL 50E - ENCLOSURES FOR ELECTRICAL EQUIPMENT, ENVIRONMENTAL CONSIDERATIONS.
 - H. UL 98 - ENCLOSED AND DEAD-FRONT SWITCHES.
- 1.2 ADMINISTRATIVE REQUIREMENTS
- A. COORDINATION:
- 1. COORDINATE THE WORK WITH OTHER TRADES. AVOID PLACEMENT OF DUCTWORK, PIPING, EQUIPMENT, OR OTHER POTENTIAL OBSTRUCTIONS WITHIN THE DEDICATED EQUIPMENT SPACES AND WITHIN WORKING CLEARANCES FOR ELECTRICAL EQUIPMENT REQUIRED BY NFPA 70.
 - 2. COORDINATE ARRANGEMENT OF ELECTRICAL EQUIPMENT WITH THE DIMENSIONS AND CLEARANCE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE INSTALLED.
 - 3. VERIFY WITH MANUFACTURER THAT CONDUCTOR TERMINATIONS ARE SUITABLE FOR USE WITH THE CONDUCTORS TO BE INSTALLED.
 - 4. NOTIFY ARCHITECT OF ANY CONFLICTS WITH OR DEVIATIONS FROM CONTRACT DOCUMENTS. OBTAIN DIRECTION BEFORE PROCEEDING WITH WORK.

1.3 SUBMITTALS

- A. PRODUCT DATA: PROVIDE MANUFACTURER'S STANDARD CATALOG PAGES AND DATA SHEETS FOR ENCLOSED SWITCHES AND OTHER INSTALLED COMPONENTS AND ACCESSORIES.
- B. PROJECT RECORD DOCUMENTS: RECORD ACTUAL LOCATIONS OF ENCLOSED SWITCHES.
- C. MAINTENANCE DATA: INCLUDE INFORMATION ON REPLACEMENT PARTS AND RECOMMENDED MAINTENANCE PROCEDURES AND INTERVALS.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. STORE IN A CLEAN, DRY SPACE. MAINTAIN FACTORY WRAPPING OR PROVIDE AN ADDITIONAL HEAVY CANVAS OR HEAVY PLASTIC COVER TO PROTECT UNITS FROM DIRT, WATER, CONSTRUCTION DEBRIS, AND TRAFFIC.
- B. HANDLE CAREFULLY IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS TO AVOID DAMAGE TO ENCLOSED SWITCH INTERNAL COMPONENTS, ENCLOSURE, AND FINISH.

PART 2 PRODUCTS

- 2.1 MANUFACTURERS
 - A. ABB/GE: WWW.ELECTRIFICATION.US.ABB.COM.
 - B. EATON CORPORATION: WWW.EATON.COM.
 - C. SCHNEIDER ELECTRIC; SQUARE D PRODUCTS: WWW.SCHNEIDER-ELECTRIC.US.
 - D. SIEMENS INDUSTRY, INC: WWW.USA.SIEMENS.COM.
 - E. SOURCE LIMITATIONS: FURNISH ENCLOSED SWITCHES AND ASSOCIATED COMPONENTS PRODUCED BY THE SAME MANUFACTURER AS THE OTHER ELECTRICAL DISTRIBUTION EQUIPMENT USED FOR THIS PROJECT AND OBTAINED FROM A SINGLE SUPPLIER, WHERE POSSIBLE.

2.2 ENCLOSED SAFETY SWITCHES

- A. DESCRIPTION: QUICK-MAKE, QUICK-BREAK ENCLOSED SAFETY SWITCHES LISTED AND LABELED AS COMPLYING WITH UL 98; HEAVY DUTY; RATINGS, CONFIGURATIONS, AND FEATURES AS INDICATED ON THE DRAWINGS.
- B. PROVIDE PRODUCTS LISTED, CLASSIFIED, AND LABELED AS SUITABLE FOR THE PURPOSE INTENDED.
- C. UNLESS OTHERWISE INDICATED, PROVIDE PRODUCTS SUITABLE FOR CONTINUOUS OPERATION UNDER THE FOLLOWING SERVICE CONDITIONS:
 - 1. ALTITUDE: LESS THAN 6,600 FEET.
 - 2. AMBIENT TEMPERATURE: BETWEEN -22 DEGREES F AND 104 DEGREES F.
- D. VOLTAGE RATING: SUITABLE FOR CIRCUIT VOLTAGE.
- E. PROVIDE WITH SWITCH BLADE CONTACT POSITION THAT IS VISIBLE WHEN THE COVER IS OPEN.
- F. FUSE CLIPS FOR FUSIBLE SWITCHES: AS REQUIRED TO ACCEPT FUSES INDICATED.
 - 1. SWITCHES 600 AMPS OR SMALLER: CLASS R.
- G. CONDUCTOR TERMINATIONS: SUITABLE FOR USE WITH THE CONDUCTORS TO BE INSTALLED.
- H. PROVIDE INSULATED, GROUNDABLE FULLY RATED SOLID NEUTRAL ASSEMBLY WHERE A NEUTRAL CONNECTION IS REQUIRED, WITH A SUITABLE LUG FOR TERMINATING EACH NEUTRAL CONDUCTOR.
- I. PROVIDE SOLIDLY BONDED EQUIPMENT GROUND BUS IN EACH ENCLOSED SAFETY SWITCH, WITH A SUITABLE LUG FOR TERMINATING EACH EQUIPMENT GROUNDING CONDUCTOR.
- J. ENCLOSURES: COMPLY WITH NEMA EN 10250, AND LIST AND LABEL AS COMPLYING WITH UL 50 AND UL 50E.
 - 1. ENVIRONMENT TYPE PER NEMA EN 10250: UNLESS OTHERWISE INDICATED, AS SPECIFIED FOR THE FOLLOWING INSTALLATION LOCATIONS:
 - a. INDOOR CLEAN, DRY LOCATIONS: TYPE 1.
 - b. OUTDOOR LOCATIONS: TYPE 3R.
 - 2. FINISH FOR PAINTED STEEL ENCLOSURES: MANUFACTURER'S STANDARD, FACTORY APPLIED GREY UNLESS OTHERWISE INDICATED.
- K. PROVIDE SAFETY INTERLOCK TO PREVENT OPENING THE COVER WITH THE SWITCH IN THE ON POSITION WITH CAPABILITY OF OVERRIDING INTERLOCK FOR TESTING PURPOSES.
- L. HEAVY DUTY SWITCHES:
 - 1. COMPLY WITH NEMA BS 31047.
 - 2. CONDUCTOR TERMINATIONS:
 - a. PROVIDE MECHANICAL LUGS UNLESS OTHERWISE INDICATED.
 - b. LUG MATERIAL: ALUMINUM, SUITABLE FOR TERMINATING ALUMINUM OR COPPER CONDUCTORS.

PART 3 EXECUTION

- 3.1 EXAMINATION
 - A. VERIFY THAT FIELD MEASUREMENTS ARE AS INDICATED.
 - B. VERIFY THAT THE RATINGS OF THE ENCLOSED SWITCHES ARE CONSISTENT WITH THE INDICATED REQUIREMENTS.
 - C. VERIFY THAT MOUNTING SURFACES ARE READY TO RECEIVE ENCLOSED SAFETY SWITCHES.
 - D. VERIFY THAT CONDITIONS ARE SATISFACTORY FOR INSTALLATION PRIOR TO STARTING WORK.

- 3.2 INSTALLATION
 - A. INSTALL PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
 - B. PERFORM WORK IN ACCORDANCE WITH NECA 1 (GENERAL WORKMANSHIP).
 - C. ARRANGE EQUIPMENT TO PROVIDE MINIMUM CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NFPA 70.
 - D. PROVIDE REQUIRED SUPPORT AND ATTACHMENT IN ACCORDANCE WITH SECTION 26 0529.
 - E. INSTALL ENCLOSED SWITCHES PLUMB.
 - F. EXCEPT WHERE INDICATED TO BE MOUNTED ADJACENT TO THE EQUIPMENT THEY SUPPLY, MOUNT ENCLOSED SWITCHES SUCH THAT THE HIGHEST POSITION OF THE OPERATING HANDLE DOES NOT EXCEED 79 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.
 - G. EXCEPT WHERE INDICATED TO BE MOUNTED ADJACENT TO THE EQUIPMENT THEY SUPPLY, MOUNT ENCLOSED SWITCHES SUCH THAT THE HIGHEST POSITION OF THE OPERATING HANDLE DOES NOT EXCEED 60 INCHES ABOVE THE FLOOR OR WORKING PLATFORM.
 - H. PROVIDE GROUNDING AND BONDING IN ACCORDANCE WITH SECTION 26 0526.
 - I. PROVIDE FUSES COMPLYING WITH SECTION 26 2813 FOR FUSIBLE SWITCHES AS INDICATED OR AS REQUIRED BY EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
 - J. IDENTIFY ENCLOSED SWITCHES IN ACCORDANCE WITH SECTION 26 0553.
 - K. INSTALL FUSES IN FUSIBLE DISCONNECT SWITCHES.
 - L. BOLT CLOSED EXTERIOR GRADE LEVEL ENCLOSURES.

3.3 FIELD QUALITY CONTROL

- A. CORRECT DEFICIENCIES AND REPLACE DAMAGED OR DEFECTIVE ENCLOSED SAFETY SWITCHES OR ASSOCIATED COMPONENTS.

3.4 ADJUSTING

- A. ADJUST TIGHTNESS OF MECHANICAL AND ELECTRICAL CONNECTIONS TO MANUFACTURER'S RECOMMENDED TORQUE SETTINGS.

3.5 CLEANING

- A. CLEAN DIRT AND DEBRIS FROM SWITCH ENCLOSURES AND COMPONENTS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
- B. REPAIR SCRATCHED OR MARRED EXTERIOR SURFACES TO MATCH ORIGINAL FACTORY FINISH.

END OF SECTION

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CARTER LAKE FLOW MONITORING

ELECTRICAL SPECIFICATIONS

CARTER LAKE, IOWA

SNYDER & ASSOCIATES, INC.



Project No: 123.1013.10

Sheet E.6

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MARK	REVISION	DATE	BY
Engineer: JUV	Checked By: JUV	Scale: 1" = 1"	
Technician: GJH	Date: 08-01-2025	T.R.S: TTN-RRW-SS	

Project No: 123.1013.10
Sheet E.6

CITY OF CARTER LAKE GRANT WRITING

IMPACT7G MONTHLY PROGRESS REPORT

Reporting Period: 6/1/2025 - 6/30/2025

Date Submitted: 7/31/2025

Prepared for:

Jackie Carl
950 East Locust Street
Carter Lake, Iowa 51510
712-347-6320

Prepared by:

Nicole Turpin, Eocene Environmental Group

1. ACTIVITIES CONDUCTED

- *Provided information on the State Recreational Trail Grant program.*
- *Provided Information on Iowa Energy Center Grants:*
 - *Preparedness, Innovation, and Energy Education Program*
 - *Energy Efficiency and Conservation Block Grant Program*
- *Provided information on U.S. EPA Brownfields Program*

2. FUNDING OPPORTUNITIES APPLIED FOR & STATUS

Funding Program	Brief Description of Project	Status	Amount Awarded
National Park Service Rivers, Trails & Conservation Assistance Program	Plan for outside area of Community Center	Awarded	- NPS Technical Assistance
Iowa West Foundation	Mabrey Park Playground	Full application – submitted	\$45,000.00
Destination Iowa Grant	Carter Lake Walking Bike Trail.	Not awarded	
Walmart Grant	Smoke Detectors	Not awarded	
Dollar General Summer Reading Program	Summer Reading Program	Not awarded	
FEMA SAFER	Personnel and Retention	Not awarded	
Bipartisan Infrastructure Law	Energy Efficiency Upgrades	Not awarded	

Energy Efficiency Conservation Block Grant			
T-Mobile Hometown Grant	Community Center Greenspace	Not awarded	
Walmart Grant	Library	Not awarded	
Carver Foundation	Library	Awarded	\$21,224
CN Railroad American In Bloom Grant	Community Center Green Space	Awarded	\$25,000
Dollar General Summer Reading Program	Library Summer Reading Program	Not Awarded	
GTSB	Pedestrian Improvements Around School	Not Awarded	
Walmart Grant	Holiday with a Hero	Awarded	\$1,000
Iowa DNR IRA Tree Grant	Trees and Care of Trees	Awarded	\$30,000
EPA Grantmaking Grant	Lead Soil Assessment	Program Funding Pulled	\$150,000
EPA Grantmaking Grant	Community Center Greenspace	Program Funding Pulled	\$350,000
AARP Grant	Pedestrian Improvements	Submitted (March 5th)	\$15,600
IHLSEM	Generators	Submitted	\$565,816.00

3. **ACTIVITIES FOR NEXT MONTH**

Upcoming Grants:

1. REAP City Parks and Open Spaces Grant Program up to \$75,000 (due August 15, 2025)
2. Federal Recreational Trails (FRT) – due October 1st
3. Firehouse Subs Grant – due October 9th



July 23, 2025

Ron Cumberledge
Mayor
City of Carter Lake
950 East Locust Street
Carter Lake, Iowa 51510

Dear Mayor Cumberledge,

It has been a pleasure providing the City of Carter Lake with grant research and writing services since February of 2022. To better serve you, while meeting our operating costs we have developed a new grant research and writing fee structure. The new monthly retainer is \$2,250 and includes grant research and the submission of up to four grant applications annually. This new structure provides the city with a fixed cost to better budget, eliminating the grant award percentage structure.

Grant research services include reviewing and interpreting funding opportunities. A summary of the funding opportunity, funding amount, match requirement, due date, and program description along with how this opportunity meets the city's priorities will be provided. Eocene's grant team will meet with the city as necessary to review the funding opportunity before deciding to move forward with an application.

Eocene's grant writing team will coordinate the submission of up to four grant applications for local, state, and foundation grants, or one federal grant during the twelve-month contract duration. Grant writing services include soliciting letters of support, writing grant narratives, and designing professional proposals. If necessary, Eocene will also attend grant interviews or meetings on behalf of the city. In addition, Eocene will work with the city to identify the applications to pursue during the twelve-month contract period. Please note that grant writing services do not include engineering studies, planning documents, environmental or cultural resource studies, technical or financial feasibility analyses, detailed project budgets, or stand-alone cost-benefit studies.

Working with the City of Carter Lake has been a rewarding and successful experience. We value your continued business and appreciate your consideration of this proposed new fee structure. I would be happy to discuss in greater detail the components of the fee structure mentioned above. I can be reached at nturpin@eocene.com or by phone at 563.495.0311.

Sincerely,

Nicole Turpin

Nicole Turpin
Project Manager III



Professional Services Agreement (PSA) Supplemental

Project:	Grant Writing & Research Services	
Property:	Carter Lake, Iowa	Date: 2/1/2024

Client:	City of Carter Lake	
Contact:	Jackie Carl, City Clerk	
Address:	950 East Locust Street	
City/State/Zip:	Carter Lake, Iowa 51510	
Phone:	712.347.6320	
Email:	Jackie.carl@carterlake-ia.gov	

SUPPLEMENTAL AGREEMENT, supplemental to original agreement dated the 19th day of January 2022 to take effect on the 1st day of February 2024, by and between the service provider, Impact7G, Inc. ("Impact7G") and City of Carter Lake ("Client").

WHEREAS, the Client intends to engage the services of Impact7G to: research funding opportunities and write the grant applications for the City of Carter Lake, Iowa.

WHEREAS, Impact7G agrees to provide said services pursuant to the terms of this Agreement.

NOW THEREFORE, the parties agree as follows:

1. **Project**

Impact7G, Inc. agrees to provide funding opportunities and grant writing services per the scope of services.

2. **Scope of Services**

1. Research potential grant/funding opportunities based on the Client's needs.
2. Provide notices of grant/funding notices of programs that might be of interest to the Client.
3. Attend meetings with designated City Officials, and/or Department Heads to discuss funding needs and applications.
4. Write and coordinate the submission of funding/grant applications for various funding programs, including soliciting letters of support, project narratives, and designing professional proposals.

3. **Impact7G Responsibilities** Impact7G hereby agrees to:

- (i) Provide the professional services as set forth in this Agreement; and
- (ii) Perform said services in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing at the same time and in the same or similar locality.

4. **Client Responsibilities** Client hereby agrees to:

- (i) Provide a knowledgeable representative of the Projects, who will be available to coordinate necessary information.

5. **Schedule**

The Project will commence immediately upon receipt of the executed Professional Services Agreement (PSA) from the Client.

6. **Project Cost, Payment and Termination**

The Client shall pay Impact7G, Inc. on a monthly retainer basis, including additional fees if grants/funding applications are awarded to the Client as outlined in the following table. Direct costs such as communications, postage, routine printing, and copying are included. Commission fees paid to Impact7G, Inc. cannot be paid with grant funds.

City of Carter Lake	Cost
Monthly Retainer	\$1,000.00
<i>If grant is awarded to the Client, Client agrees to pay Impact7G, Inc. the following commission:</i>	
Grant Award in Range of \$0.00 to \$100,000.00	5% of Total Award
Grant Award in Range of \$100,001.00 to \$500,000.00	4% of Total Award
Grant Award in Range of \$500,001.00 to \$1,000,000.00	3% of Total Award
Grant Award Greater than \$1,000,001.00	2% of Total Award

Invoices for Impact7G's services will be submitted upon project completion. Invoices shall be due and payable upon receipt. If any invoice is not paid within 30 days, Impact7G may, without waiving any claim or right against the Client, and without liability whatsoever to the Client, suspend or terminate the performance of services.

7. **Work Product** A final copy of the grant(s) written by Impact7G for the Client will be provided on electronic media. All Impact7G working documents, including all documents on electronic media prepared and exclusively retained and not conveyed to the Client by Impact7G as instruments of service and/or used in the preparation of the final project deliverables shall remain the property of Impact7G.

All project documents including, but not limited to, plans and specifications furnished by Impact7G under this project are intended for use on this project only. Any reuse, by the Client on other projects, without specific written verification or adoption by Impact7G, shall be at the Client's sole risk, and Client shall defend, indemnify and hold harmless Impact7G from all claims, damages and expenses including attorney's fees arising out of or resulting therefrom.

Under no circumstances shall delivery of electronic files for use by the Client be deemed a sale by Impact7G, and Impact7G makes no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall Impact7G be liable for indirect or consequential damages as a result of the Client's use or reuse of the electronic files.

Because electronic file information can be easily altered, corrupted, or modified by other parties, either intentionally or inadvertently, without notice or indication, Impact7G reserves the right to remove itself in writing from its ownership and/or involvement in the material from each electronic medium not held in its possession. Any unauthorized use or reuse or modifications of this material shall be at the Client's sole risk. Furthermore, the Client agrees to defend, indemnify, and hold Impact7G harmless from all claims, injuries, damages, losses, expenses, and attorney's fees arising out of the modification or reuse of these materials by the Client.

8. **Claims and Disputes** Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or Impact7G. Impact7G's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against Impact7G because of this Agreement or the performance or nonperformance of services hereunder.

The Client shall make no claim for professional negligence, either directly or in a third-party claim, against Impact7G unless the Client has first provided Impact7G with a written certification executed by an independent professional currently practicing in the same discipline as Impact7G and licensed in the State in which the claim arises.

9. **Limited Liability** The Client agrees, to the fullest extent permitted by law, to limit the liability of Impact7G and Impact7G's officers, directors, partners, employees, shareholders, owners and subconsultants to the Client for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses from any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of Impact7G and its officers, directors, partners, employees, shareholders, owners and subconsultants to all those named shall not exceed \$50,000. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

10. **Mediation** In an effort to resolve any conflicts that arise during the project or following the completion of the project, the Client and Impact7G agree that all disputes between them arising out of or relating to this Agreement shall be submitted initially to non-binding mediation unless the parties mutually agree otherwise.

11. **Controlling Law** This Agreement shall be construed and enforced in accordance with the laws of the state of Iowa.

12. **Assignment** Neither the Agreement nor any of the rights or obligations arising under the Agreement may be assigned without prior written consent.

This agreement is approved and accepted by the Client and Impact7G upon both parties signing and dating the agreement. The effective date of the agreement shall be the last date entered below.

13. **Duration of Contract and Termination** The agreement will be in effect for one year after the effective date of the agreement referenced above. It may be extended by mutual written agreement of the parties. The contract may be terminated for the convenience of and by either party upon seven days written notice sent to the other party. Upon termination, Impact7G, Inc. will submit an invoice for any remaining claims for compensation under the agreement and will provide a copy of any pending grant proposal applications and communications.

City of Carter Lake

Impact7G, Inc.

Accepted by: *Ron Cumberledge*

Project Manager: *Nicole Turpin*

Printed/
Typed Name: *Ron Cumberledge*

Printed/
Typed Name: Nicole Turpin

Title: *Mayor*

Date: 1/24/2024

Date: *2/14/24*

RESOLUTION 2025-

Be it hereby resolved by the City Council of the City of Carter Lake, Iowa that the following wages be set for July 1, 2025. **This is a correction to the resolution approved on July 21, 2025.**

Levi Terrell	\$22.92 hr	Includes promotion to Rec & Sports Manager
Robert McCloud	\$34.02 hr	Includes longevity he received in April
Lisa Ruehle	\$36.81 hr	Includes longevity she received in May

Passed and approved this 18th day of August, 2025.

Ron Cumberledge, Mayor

ATTEST:

Jackie Carl, City Clerk



Application for Construction Work in Right of Way

City of Carter Lake

950 Locust Street

Carter Lake, IA 51510

Office (712) 847-0535

Fax (712) 347-5454

Applicant / Contractor:

Phone: ()

Address:

(City, State, Zip)

Contact Person:

Phone: ()

Property Owner:

Phone: ()

Address:

(City, State, Zip)

Work Site if other than above:

Description of Work / Nature of Construction:

Indicate on attached drawing location of all improvements

Check All That Apply:

<input type="checkbox"/> Residential Driveway	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Sidewalk	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Sewer Connection	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Commercial Driveway	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Excavation in Street	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Excavation between Curb and Property Line	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Water Service	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR
<input type="checkbox"/> Other	<input type="checkbox"/> NEW	<input type="checkbox"/> REPAIR

****Contractor is responsible for scheduling all required inspections and being present during the inspection process****

Applicant Signature:

Date:

By signing this application, I hereby agree to abide by the terms of the Standard Permit Conditions and if applicable, any Supplemental Permit Conditions, if a permit is issued.

CHAPTER 141

RIGHT-OF-WAY PERMITS

141.01 Permit Required	141.10 Resolution of Council for Construction Of Sidewalks
141.02 Definitions	141.11 Damage of Sidewalks and Notices
141.03 Emergencies	141.12 Preliminary Review
141.04 Permittee Indemnity Agreement; Issuance Required	141.13 Permits; Issuance; Fee
141.05 Insurance and Bond	141.14 Specifications
141.06 Contractor Indemnity Agreement; Issuance Required	141.15 Notice of Commencement of Construction – Time For Completion
141.07 Additional Requirements	141.16 Inspection
141.08 Permit Application	141.17 Expiration Date of Permit
141.09 Reservation of Right to Remove Driveway Approach	141.18 Penalty

141.01 PERMIT REQUIRED.

No person, firm, or corporation shall perform any regulated activity in the City right-of-way without first obtaining the appropriate permit(s) from the City to do so.

141.02 DEFINITIONS.

For use in this chapter the following terms are defined.

1. “Regulated activity” means the following activity but not limited to the following:
 - A. Bore;
 - B. Cut, remove, alter, obstruct, or construct any curbing, alley, driveway approach, sidewalk, vehicular access, street or roadway;
 - C. Erect any structure, permanent or temporary;
 - D. Excavate any hole or trench;
 - E. Grading;
 - F. Hang cable;
 - G. Landscaping
 - H. Make any sanitary sewer or storm sewer connection or repair;
 - I. Obstruct any roadway or interfere with traffic or sight triangle;
 - J. Place any drainage tube;
 - K. Place any obstruction such as a dumpster or materials; and
 - L. Tunnel;
2. “Manual on Uniform Traffic Control Devices” (MUTCD) means the latest version of the Manual on Uniform Traffic Control Devices.
3. “Work” means uninterrupted and continuous until its completion.

141.03 EMERGENCIES.

If an emergency arises which would require the performance of any of the regulated activities to be performed immediately so as to protect the public safety, then and in that event, it shall not be necessary to secure the permits prior to performing the activity. However, all appropriate permits will be obtained immediately upon the termination of the emergency condition. The property owner for whose benefit the work is being performed and the contractor shall hold harmless, indemnify, and defend the City against all claims and suits arising out of the work performed.

141.04 PERMITTEE IDEMNITY AGREEMENT; ISSUANCE REQUIRED.

No person will be granted a permit under this chapter unless they have agreed in writing to hold harmless, indemnify, and defend the City from any and all suits and actions of every description that may be brought against said City on account of property damage or personal injury, including death, received or sustained by any person or persons through negligence of the permit holder, their agents, and employees.

141.05 INSURANCE AND BOND.

No permits shall be issued for the regulated activities in the City right-of-way such time that the applicant has provided proof of insurance and a bond to the Public Works Department in amounts and coverages that either meet or exceed the standards established by the Building Official.

141.06 CONTRACTOR INDEMNITY AGREEMENT; ISSUANCE REQUIRED.

If contractors and subcontractors are utilized in the performance of any of the regulated activities, and they are not expressly covered by the insurance and bond documents provided pursuant to Section 141.05 then such contractors and subcontractors shall be required to provide their own proof of insurance and bond prior to performing any of the regulated activities.

141.07 ADDITIONAL REQUIREMENTS.

For regulated activities being performed in the actual roadway portion of the right-of-way, the additional requirements set out herein shall be met.

1. For the purposes of this chapter the roadway portion of the right-of-way is that portion which lies between the curbs. On rights-of-way where there are no curbs, it shall mean the roadway that is used or intended to be used for travel and parking.
2. The site will be barricaded in accordance with the MUTCD and the review and approval of the Building Official.
3. The site will be posted with a contractor identification sign visible from all routes approaching the work. This sign shall include the name of the contractor and a telephone number which will be answered 24 hours a day, seven days a week. This sign shall be, at a minimum, one foot by two feet. The name shall be in three-inch letters, and the phone number in one and one-half inch letters.
4. Street repair patches meeting City specifications shall be in place, and the road will be open to traffic within 72 hours of the completion of the work.
5. Temporary patches may be authorized in certain cases, but they must meet City specifications and requirements.
6. If the roadway is an arterial or collector street, a drawing illustrating what and how traffic control devices will be utilized must be submitted the City for review at least 72 hours prior to the commencement of the proposed work.

141.08 PERMIT APPLICATION.

Prior to performing any regulated activity in the right-of-way, the owner of the abutting property, or the person who is to perform the work, shall file an application in the office of the Maintenance Department Supervisor. This application shall contain the following information:

1. The name of the property owner abutting the regulated activity;
2. The street address or legal description of the parcel of land abutting the regulated activity;
3. The name and address of the contractor or other person who is to undertake the regulated activity;
4. The date work is scheduled to commence;
5. A scale drawing attached to the application showing the proposed location of the work, its relation to the abutting right-of-way, adjacent properties, any driveway approaches, and the traveled way of the abutting street;
6. All information required by other sections of this chapter; and
7. Any other information as may be deemed necessary by the Maintenance Department Supervisor.

141.09 RESERVATION OF RIGHT TO REMOVE DRIVEWAY APPROACH.

The granting of a permit for the construction of a driveway approach and the issuance of a certificate of completion shall in no way vest any right in the permittee or in any person having any vested interest in the land to which said approach may run, or in any person who may subsequently acquire any interest in such land, to maintain such approach, and the City specifically reserves the right and power to remove such approach or any part thereof if such removal is deemed necessary as a matter of public convenience, necessity, or safety, or if such removal becomes necessary in order to facilitate drainage upon or along any street right-of-way or traveled way, or if such removal becomes necessary in order to widen, change, or otherwise improve the traveled way or the right-of-way of any street, alley, or other public thoroughfare. The cost of such action under this section shall be borne by the City.

141.10 RESOLUTION OF COUNCIL FOR CONSTRUCTION OF SIDEWALKS.

The Council may by resolution order the construction of any sidewalk within the City as a public improvement in accordance with the procedures of Chapter 384, Division IV, of the *Code of Iowa*, and assess the cost of such construction as provided for in the *Code of Iowa*.

141.11 DAMAGE OF SIDEWALKS AND NOTICES.

No person shall knowingly or willfully drive any vehicle or livestock upon any portion of any sidewalk or approach thereto, while in the course of construction, reconstruction or repair or upon any portion of any completed sidewalk or approach thereto, or shall remove, destroy, mar, or deface any sidewalk at any time, or destroy, mar, remove, or deface any notice provided for by this chapter.

141.12 PRELIMINARY REVIEW.

Within 10 working days from the filing of an application, the Building Official shall review the permit application for the proposed work and shall determine upon its completion that it will conform to and be in accordance with all specifications adopted herein. As in other portions of this Code, other inspections, the Maintenance Department Supervisor may make or require any other inspections or any other construction or work to ascertain compliance with the provisions of this chapter and other laws which are enforced by the Maintenance Department Supervisor. If it is necessary for the Maintenance Department Supervisor to request a review of any plans submitted by an applicant or if the Maintenance Department Supervisor needs to request the services of special inspector at any phase of the construction,

the cost of the Maintenance Department Supervisor's consultation with and any cost incurred by the City for their services of such special inspector shall be passed on to the applicant. If a bill is submitted to the applicant and contractor, and payment is not made forthwith, the Maintenance Department Supervisor shall be entitled to enforce this chapter as provided through fines, revocation of permit, penalties or withholding the approval of the project until the bill is paid in full. If the applicant or contractor believes the bill is unreasonable or unnecessary, the contractor may appeal the Maintenance Department Supervisor's position to the Council by written request within 10 days of the submission of the bill by the Maintenance Department Supervisor to the applicant or contractor. The Council shall grant a hearing on the request as soon as practicable. If a special meeting is necessitated to determine the fair and reasonableness of the bill, the applicant shall be required to pay the cost of any special meeting of the Council. These extra fees incurred by the Maintenance Department Supervisor may include but shall not be limited to consultations with or reviews of plans by licensed engineers, architects and surveyor.

141.13 PERMITS; ISSUANCE; FEE.

Upon completion of the preliminary review, if it is determined that the proposed work will conform to and be in accordance with all specifications adopted hereunder and otherwise will meet the requirements of all other laws and regulations, such permit shall be issued in the name of the applicant.

1. If it is determined that the proposed construction will not be in conformity with this chapter or the provisions of any law or regulation, the Maintenance Department Supervisor shall advise the applicant of any and all changes which will be necessary, and the applicant will file with the Maintenance Department Supervisor such amendments to their application as may be necessary to incorporate such changes.
2. At the discretion of the Maintenance Department Supervisor, such permit may be issued with the required corrections incorporated into the permit.
3. If such amendments are sufficient to show the necessary changes, the Maintenance Department Supervisor shall issue such permit as provided in this section.
4. No permit shall be issued if the proposed construction will be in violation of this chapter or any other law or regulation.
5. In order to defray the cost of administering this chapter, a fee as set forth in the prevailing schedule of fees shall be charged for each permit issued.
6. Whenever any work for which a permit is required by this chapter has been commenced without first obtaining a permit, except as provided for in Section 141.03 above, the applicant will pay three times the established permit fee for the proposed work.

141.14 SPECIFICATIONS.

All work shall be performed in accordance with the plans and specifications for such work as are currently established by the Maintenance Department Supervisor, and that may be established by the Maintenance Department Supervisor in the manner outlined in Section 141.12.

141.15 NOTICE OF COMMENCEMENT OF CONSTRUCTION – TIME FOR COMPLETION.

The permittee shall provide the Building Official with 24-hour notice prior to the start of construction. Upon commencement of the work, permittee shall have 20 calendar days to complete the work unless an extension of time is granted by the Maintenance Department Supervisor. Such extension may be granted upon written application by the permittee and demonstration of sufficient cause for the extension. Within 48 hours after completion of the work, permittee shall notify the Maintenance Department Supervisor. The provisions in this section are superseded by those in Section 141.16 which are more restrictive.

141.16 INSPECTION.

1. Once construction is commenced, the Maintenance Department Supervisor may periodically inspect the site to assess progress. An inspection is required before the placement of concrete. The permittee must contact the Maintenance Department Supervisor 24 hours in advance to arrange for this inspection. Failure to do so could result in rejection of the work.
2. If the Maintenance Department Supervisor finds that the construction is not in conformance with the approved permit application and amendments, the specifications, or any other law or regulation, they shall notify the permittee in writing of items of noncompliance. The permittee shall have 10 days within which to remedy all items of noncompliance.

141.17 EXPIRATION DATE OF PERMIT.

Each permit issued hereunder shall be valid for a period of 60 calendar days from the date of issuance, and the work must be commenced under such permit within that 60-day period. The Maintenance Department Supervisor shall have the authority to waive.

141.18 PENALTY.

Any person found guilty of a violation of any of the provisions of this chapter shall upon conviction be subject to the penalty provisions of this Code of Ordinance found in Chapter 3. Each day that a violation is allowed to continue shall constitute a separate and distinct violation. At the discretion of the City Attorney, any violation of the provisions of this chapter may be pursued as a municipal infraction according to the terms of this Code, in lieu of criminal prosecution.