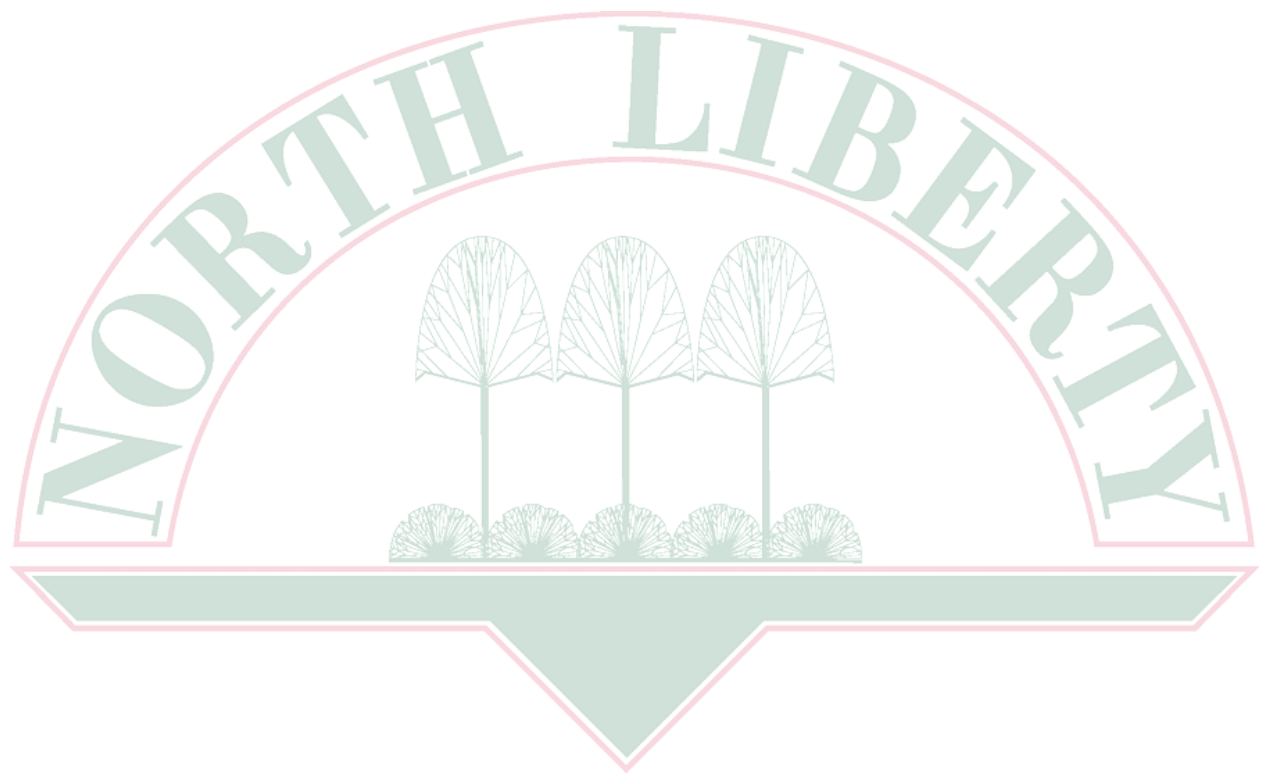




May 9, 2017

North Liberty
City Council
Work Session and
Regular Session

City Administrator Memo





City Council Memo

for May 9, 2017

from the desk of Ryan C. Heiar

Meetings & Events

Tuesday, May 9 at 6:30p.m.
City Council

Monday, May 15 at 7:00p.m.
Library Board

Tuesday, May 24 at 6:30p.m.
City Council

Consent Agenda

The following items are on the consent agenda and included in your packet:

- City Council Minutes (04/25/17)
- Claims
- Liquor License Update – Café Muse (adding outdoor service)
- Change Order #3, Phase 1 Water System Improvements, Division I – Water Treatment Plant, Portzen Construction (\$41,737.00)
- Pay Application #20, Wastewater Treatment Plan Expansion Project, Tricon Construction Group, \$218,314.66
- Change Order #1, North Liberty Road, Phase 2, Metro Pavers Inc., \$7,731.74
- Change Order #2, North Liberty Road, Phase 2, Metro Pavers Inc., \$9116.63
- Pay Application #3, North Liberty Road, Phase 2, Metro Pavers Inc., \$228,086.36
- Pay Application #5, Phase 1 Water System Improvements, Division III – Well Construction and Rehabilitation, Gingerich Well & Pump Service, \$174,784.00
- Pay Application #8, SRF Centennial Park Project, Metro Pavers Inc., \$116,808.38
- Change Order #2, Penn Street Project, Streb Construction, \$803.75

1st United Methodist Church Site Plan

The church is proposing a nearly 20,000 square foot addition to their existing facility located at 85 N. Jones Boulevard in an ID zoning district. The staff report and related site plan materials are included in your packet for reference. The site plan meets all of the required development provisions and Commission and staff are recommending approval.

Venom Villas Rezoning

In April, the Planning Commission heard a rezoning request from Venom Villas to rezone portions of two duplex lots and one single-family lot to

Ryan C. Heiar, City Administrator

rheiar@northlibertyiowa.org • office (319) 626-5700 • fax (319) 626-3288 • cell (319) 541-8404

RM-8, multi-family, to add lot area to an existing RM-8 lot. The proposal to extend multi-family zoning and multi-family development into areas zoned and developed for single-family and duplex development is not compatible and not consistent with the City's comprehensive plan. Staff does not endorse this precedent for North Liberty and we recommended denial of the rezoning to the Planning Commission. At their April meeting, the Planning Commission recommended denial of the rezoning to the City Council. Additional details regarding the request can be found in your packet.

Lighting Ordinance, 3rd and Final Reading

You may recall that some time ago an amendment was drafted for lighting athletic fields associated with public facilities, but Council felt that the proposal needed to include specific criteria for consideration and the draft was not approved. We have now added several sections and the modified draft is included for your consideration. Staff recommends approval of the 3rd and final reading of this ordinance.

Sign Ordinance, 3rd and Final Reading

Staff is recommending an amendment to the Zoning Ordinance to add a maximum ground sign height of 24' for industrial zoning districts. Recently we discovered that the current code does not specify the height, as it does in the other districts, but we have been using the 24' dimension from commercial districts as a standard for many years.

Backflow Prevention Ordinance, 2nd Reading

Iowa Code requires cities with a population of 15,000 or more to implement a water backflow inspection program. Currently, we have approximately 400 backflow preventers installed in homes and businesses throughout the City. These units prevent water that has passed through the meter from being sucked back into the City's water system. Backflow preventers are not required on all accounts; rather, they are used in situations where there is a direct connection to an irrigation system, chemical tank or other potential for contamination. The proposed ordinance will allow the building department more discretion when it comes to requiring backflow preventers as well as establish an inspection program. The inspection itself will be completed by a third party (not the city) and staff is currently exploring an online, automated reporting process so that staff time is minimized in this process. Building Official Tom Palmer will be at Tuesday's meeting to answer questions. Since the last Council meeting and as a result of the feedback from Council, staff has added new, clarifying language to this code section. The added language is taken directly from the existing building code and is included in this section so the reader better understands the requirements specific to backflow prevention.

Electrician/Plumber License Ordinance, 2nd Reading

At one time cities were responsible for issuing plumber and electrician licenses to complete work within the municipal jurisdiction. Recently, the state of Iowa changed that rule and now licenses are being issued at the state level. As a result of this change, Chapter 125 of the North Liberty Code entitled "Electrician and Plumber Licenses" is irrelevant and no longer needed. Staff is recommending approval of the proposed ordinance which deletes chapter 125.

Wood River Energy Agreement

Wood River Energy is a natural gas transportation company providing natural gas users an opportunity to purchase gas at a lower rate. The proposed agreement will allow the City to purchase its natural gas for certain facilities from Wood River Energy, rather than Mid American Energy, at a 5% savings. Mid American Energy will still provide the gas service (getting the gas to our facilities) but Wood River will be providing us the gas through their purchasing contracts. This concept has been used by larger gas users for many years and it is now becoming more economical and common for smaller users to participate. Staff is recommending approval of the included agreement, resulting in a 5% savings of gas purchases at the Community Center and Wastewater Facilities.

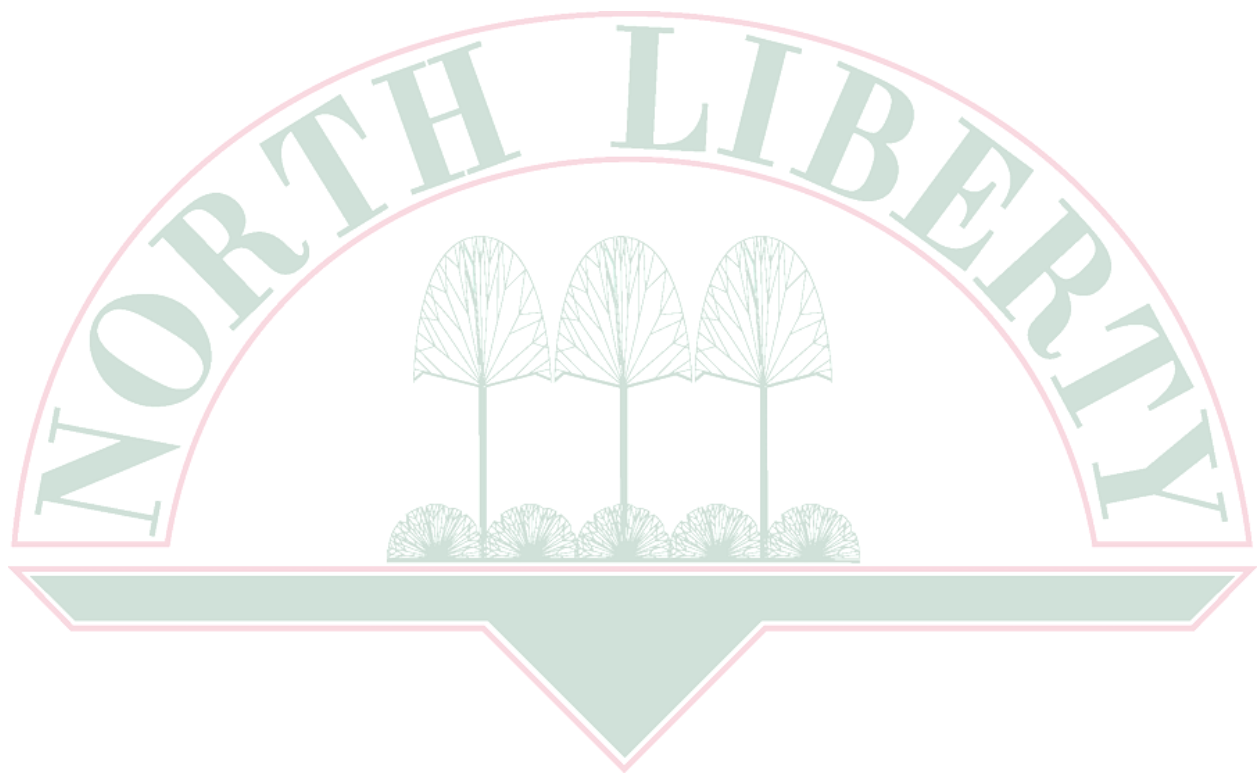
Water and Sewer Rate Adjustment Ordinances

As part of the FY 18 budget discussions earlier this year, water and sewer rates were discussed and, at that time, the financial model was projecting a 5% rate increase. An updated model is included in your packet, which continues to show a 5% rate increase is needed in both the water and wastewater utilities. The driving force behind these proposed rate increases continues to be the cost of the needed capital projects for each utility (new drinking water treatment plant and an expansion to the existing wastewater treatment plant). Staff is recommending approval of the ordinance amendments, which would take effect July 1, 2017.

Police Station/Civic Campus Presentation

Staff will present information (Power Point included) regarding the background of the civic campus project, specifically focusing on the need to move forward with the project, starting with the construction of a new Police Station. Chief Diane Venenga and Brian Gotwals with Shive Hattery will be in attendance.

Agenda





AGENDA

North Liberty City Council
May 9, 2017
Work Session
Regular Session
6:30 p.m.
City Council Chambers

1. Call to order
2. Roll call
3. Swearing In
4. Approval of the Agenda
5. Consent Agenda
 - A. City Council Minutes, Regular Session, April 25, 2017
 - B. Claims
 - C. Phase I Water System Improvements Division 1 Water Treatment Plant, Change Order Number 3, Portzen Construction, (\$41,737.00)
 - D. Phase II WWTP Improvements, Pay Application Number 20R, Tricon Construction Group, \$218,314.64
 - E. North Liberty Road Improvements, Change Order Number 1, Metro Pavers, Inc., \$7,731.74
 - F. North Liberty Road Improvements, Change Order Number 2, Metro Pavers, Inc., \$4,347.00
 - G. North Liberty Road Improvements, Pay Application Number 3, Metro Pavers, Inc., \$228,086.36
 - H. Phase I Water System Improvements, Division III – Well Construction and Rehabilitation, Pay Application Number 5, Gingerich Well & Pump Service, \$174,781.00
 - I. SRF Sponsored Water Quality Project, Pay Application Number 8, Metro Pavers, Inc., \$116,808.38
 - J. Penn Street Project, Change Order Number 2, Streb Construction Co., Inc., \$803.75
 - K. Liquor License Update, Café Muse, adding Outdoor Service endorsement
6. Public Comment
7. City Planner Report

8. City Engineer Report
9. City Attorney Report
10. Assistant City Administrator Report
11. City Administrator Report
12. Mayor Report
13. United Methodist Church Site Plan
 - A. Staff and Commission recommendations
 - B. Applicant presentation
 - C. Resolution Number 2017-47, A Resolution approving the Development Site Plan for the First United Methodist Church, North Liberty, Iowa
14. Venom Villas Rezoning
 - A. Public Hearing regarding proposed rezoning
 - B. Staff and Commission Recommendations
 - C. Applicant Presentation
 - D. First consideration of Ordinance Number 2017-05, An Ordinance amending Chapter 167 of the North Liberty Code of Ordinances by amending the use regulations on property owned by Venom Investments, LLC located in North Liberty, Iowa to those set forth in the Municipal Code for the RM-8 Multi Family Residential Zoning District
15. Athletic Field Lighting Ordinance
 - A. Third consideration and adoption of Ordinance Number 2017-01, An Ordinance Amending Chapter 169, "Zoning Code – Development Regulations" of the North Liberty Code of Ordinances by Updating Section 169.12(1)(I) for Certain Outdoor Sports Field Lighting
16. Sign Ordinance
 - A. Third consideration and adoption of Ordinance Number 2017-02, An Ordinance Amending Chapter 173, "Zoning Code – Sign Regulations" of the North Liberty Code of Ordinances by Updating Section 173.08 Adding a Height Limitation for Ground Signs
17. Backflow Prevention Ordinance
 - A. Second consideration of Ordinance Number 2017-03, An Ordinance adding Chapter 90 of the North Liberty Code of Ordinances to Address Backflow Prevention in the City's Water Service System
18. Electrician/Plumber Ordinance
 - A. Second consideration of Ordinance Number 2017-04, An Ordinance amending Chapter 125, "Electrician and Plumber Licenses," of the North Liberty Code of Ordinances by repealing Chapter 125
19. WoodRiver Energy
 - A. Resolution Number 2017-46, A Resolution approving the Natural Gas Sales Agreement between WoodRiver Energy, LLC and the City of North Liberty, Iowa regarding the City's natural gas purchases for certain facilities

20. Water Rate Ordinance

- A. Public Hearing regarding proposed water rate
- B. First consideration of Ordinance Number 2017-06, An Ordinance amending Chapter 92.02, entitled "Rates for Service," of the Municipal Code of North Liberty by adopting a new Section 92.02 to increase the charges for water used

21. Sewer Rate

- A. Public Hearing regarding proposed sewer rate
- B. First consideration of Ordinance Number 2017-07, An Ordinance amending Chapter 99.02 entitled, "Rate," of the Municipal Code of North Liberty by adopting a new Section 99.02 to increase the charges for sanitary sewer services

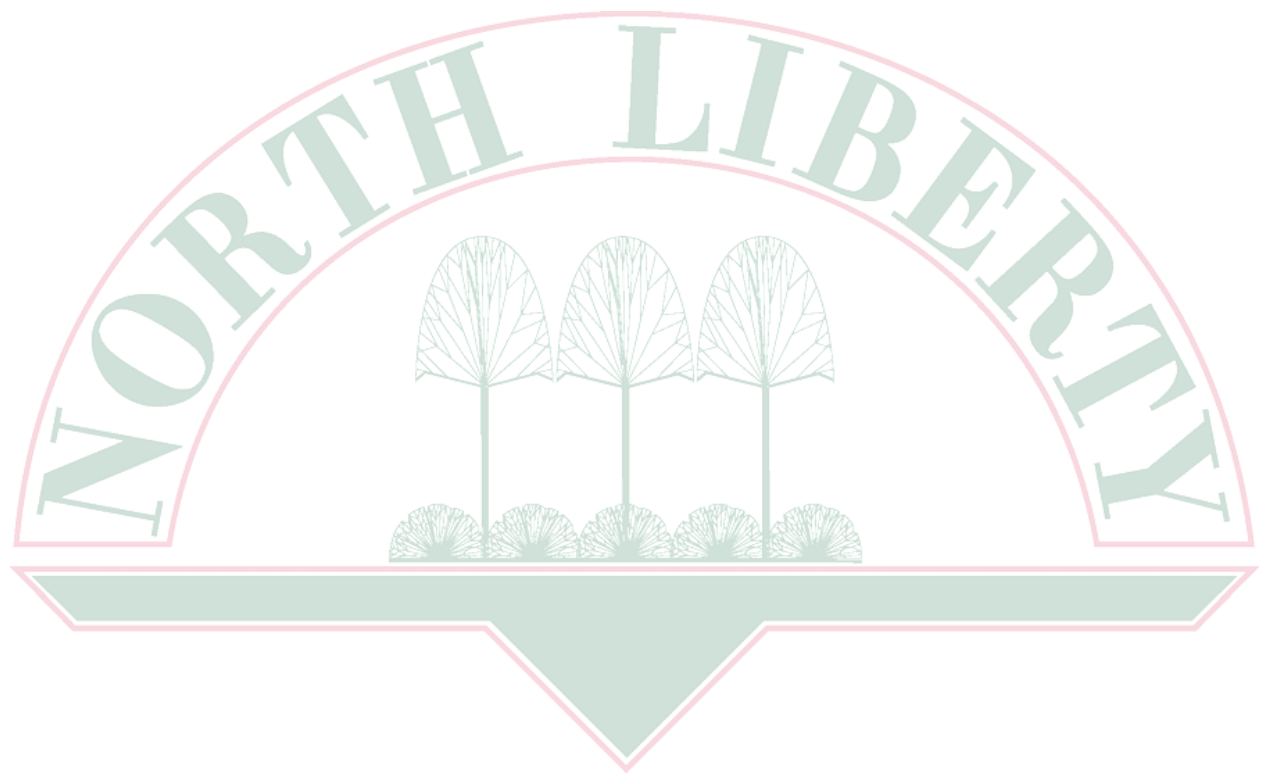
22. Work Session – Civic Campus

23. Old Business

24. New Business

25. Adjournment

Consent Agenda





Minutes

North Liberty City Council
April 25, 2017
Regular Session

Call to order

Mayor Pro Tem Chris Hoffman called the April 25, 2017 Regular Session of the North Liberty City Council to order at 6:30 p.m. Councilors present: Chris Hoffman, Annie Pollock, Jim Sayre and Brian Wayson.

Others present: Tracey Mulcahey, Scott Peterson, Kevin Trom, Dean Wheatley, Tom Palmer, Megan Benischek, Dan Vander Vort, Josh McKnight and other interested parties.

Approval of the Agenda

Pollock moved, Wayson seconded to approve the agenda. After discussion, the vote was ayes – Hoffman, Pollock, Sayre, Wayson; nays – none. Agenda approved.

Consent Agenda

Sayre moved, Pollock seconded to approve the Consent Agenda including City Council Minutes from the Regular Session on April 11, 2017; March Revenues; the attached list of Claims; the Liquor License Renewal for LD Express, Class C Beer Permit with Sunday Sales endorsement; the Liquor License Application for Adelita's Grill, Class C Liquor License with Sunday sales endorsement; and Change Order Number 13 for the Phase II WWTP Improvements Project to Tricon Construction Group in the amount of \$63,977.49. The vote was: ayes – Pollock, Sayre, Wayson, Hoffman; nays – none. Motion carried.

Public Comment

No public comment was offered.

City Planner Report

City Planner Dean Wheatley reported that the staff committee that reviews requests for traffic and pedestrian control. The committee reviews the requests in relation to the major street plan, MUTCD requirements, and experiences of police officers and street department employees. The committee responds to all requests. If action is determined to be necessary, the applications come to Council. Council discussed the report with Wheatley.

City Engineer Report

City Engineer Kevin Trom reported that construction is progressing on the Water Plant Project. The contractor is pump testing wells. Design work continues on Highway 965, Phase 3. The contractor has encountered some poor soils under large storm sewer pipes in the North Liberty Road Project. The mitigation of these soils will require a change order. The storm sewer portion of the Penn Street project should be wrapping up this week. The contractor will be relocating fire hydrants next, but are waiting on MidAmerican to relocate the gas main. Flaggers will be present during off peak times to accommodate the install under the road. The Water Storage/Brine/Maintenance building preconstruction meeting was held yesterday. The contractor is projecting to be complete ahead of schedule. The SRF Sponsored Water Quality Project has had good work in the last couple of weeks. Final grading, seeding prep and seeding are underway. The contractor has installed a lot of plantings. Work continues on electrical. Council discussed the report with Trom.

City Attorney Report

City Attorney Scott Peterson reported that while Councilor Hoffman is wearing two hats tonight, Mayor Pro Tem and Councilor, he does retain the ability to vote.

Assistant City Administrator Report

Assistant City Administrator Mulcahey reported that City Cleanup Day is Saturday from 7-11:30 a.m. Defenders of Land and Water, depending on weather, is scheduled for Friday, April 28. Council discussed the report with Mulcahey.

Mayor Pro Tem Report

Mayor Pro Tem Hoffman proclaimed April 28, 2017 as Arbor Day. He proclaimed May 2017 as Bike to Work Month Proclamation.

Squash Bend, First Addition Preliminary Plat

Wheatley reported that Staff and Commission recommend approval of the Preliminary Plat application. Council discussed the preliminary plat with Wheatley.

Dan Vander Vort, Alliant Energy, was present on behalf of the applicant and offered to answer questions regarding the application. Council discussed the preliminary plat with Vander Vort.

Pollock moved, Wayson seconded to approve Resolution Number 2017-41, A Resolution approving the Preliminary Plat of Squash Bend First Addition, North Liberty, Iowa. The vote was: ayes – Pollock, Hoffman, Wayson, Sayre; nays – none. Motion carried.

Athletic Field Lighting Ordinance

Wayson moved, Sayre seconded to approve the second consideration of Ordinance Number 2017-01, An Ordinance Amending Chapter 169, “Zoning Code – Development Regulations” of the North Liberty Code of Ordinances by Updating Section 169.12(1)(I) for Certain Outdoor Sports Field Lighting. The vote was: ayes – Wayson, Sayre, Hoffman, Pollock; nays – none. Motion carried.

Sign Ordinance

Sayre moved, Pollock seconded to approve the second consideration of Ordinance Number 2017-02, An Ordinance Amending Chapter 173, “Zoning Code – Sign Regulations” of the North Liberty Code of Ordinances by Updating Section 173.08 Adding a Height Limitation for Ground Signs. The vote was: ayes – Pollock, Wayson, Sayre, Hoffman; nays – none. Motion carried.

Backflow Prevention Ordinance

At 6:56 p.m., Mayor Pro Tem Hoffman opened the public hearing regarding proposed Backflow Prevention Ordinance. No oral or written comments were received. The public hearing was closed.

Wayson moved, Pollock seconded to approve the first consideration of Ordinance Number 2017-03, An Ordinance adding Chapter 90 of the North Liberty Code of Ordinances to Address Backflow Prevention in the City's Water Service System. After discussion, the vote was: ayes – Hoffman, Sayre, Wayson, Pollock; nays – none. Motion carried.

Electrician/Plumber Ordinance

At 7:04 p.m., Mayor Pro Tem Hoffman opened the public hearing regarding the Code of Ordinances relating to Electrician and Plumber licensing. No oral or written comments were received. The public hearing was closed.

Sayre moved, Pollock seconded to approve the first consideration of Ordinance Number 2017-04, An Ordinance amending Chapter 125, "Electrician and Plumber Licenses," of the North Liberty Code of Ordinances by repealing Chapter 125. After discussion, the vote was: ayes – Sayre, Pollock, Wayson, Hoffman; nays – none. Motion carried.

Fox Valley Subdivision

Hoffman moved, Wayson seconded to approve Resolution Number 2017-42, A Resolution accepting Outlot A in Fox Valley, Part Three, North Liberty, Iowa. After discussion, the vote was: ayes – Pollock, Hoffman, Sayre, Wayson; nays – none. Motion carried.

Depository Resolution

Wayson moved, Pollock seconded to approve Resolution Number 2017-43, A Resolution Designating Hills Bank & Trust Company, MidwestOne, University of Iowa Community Credit Union, Great Western Bank, Collins Community Credit Union and Two Rivers Bank & Trust as Depositories for Public Funds belonging to the City of North Liberty, Iowa. After discussion, the vote was: ayes – Wayson, Pollock, Hoffman, Sayre; nays – none. Motion carried.

Urban Renewal Plan Amendment

Wayson moved, Sayre seconded to approve Resolution Number 2017-44, A Resolution setting date for Public Hearing on the Urban Renewal Plan Amendment. After discussion, the vote was: ayes – Pollock, Wayson, Hoffman, Sayre; nays – none. Motion carried.

Water and Sewer Permit Fees

Wayson moved, Sayre seconded to approve Resolution Number 2017-45, A Resolution establishing Certain Water and Sewer Service Connection Fees. After discussion, the vote was: ayes – Sayre, Pollock, Wayson, Hoffman; nays – none. Motion carried.

Old Business

Councilor Pollock reported on the Waddle Walk this past weekend. Council discussed the Dog Park committee and land. Wheatley reported that he meets with the leader of the dog park group and discusses options regularly.

New Business

Councilor Wayson reported that Johnson County EMA hired Travis Beckman as the Deputy Director.

Adjournment

At 7:21 p.m., Wayson moved, Sayre seconded to adjourn. All ayes. Meeting adjourned.

CITY OF NORTH LIBERTY

By: _____
Chris Hoffman, Mayor Pro Tem

Attest:

Tracey Mulcahey, City Clerk

Date of Issuance: 5-2-17
 Owner: City of North Liberty
 Contractor: Portzen Construction, Inc.
 Engineer: FOX Engineering
 Project: Phase I Water System Improvements
 Div. 1 Water Treatment Plant

Effective Date: 5-9-17
 Owner's Contract No.:
 Contractor's Project No.: 16-29
 Engineer's Project No.: 3373-15A
 Contract Name:

The Contract is modified as follows upon execution of this Change Order:

- Item 1** Concrete Reinforcing Precast Fence/Sign: Add reinforcing for footings supporting precast fence piers and precast entry signs. See Contactor Change Order Request (COR) 11R and Change Proposal Request (CPR) 6. **Add \$934.**
- Item 2** Delete Roof Curbs for Aerator Blowers: Eliminate roof curbs for aerator blowers. These are not required since the manufacturer will support the blower off the aerator. See Contactor COR 13 and CPR 8. **Deduct \$934.**
- Item 3** High Service Pump Motor Space Heater Wiring: The high service pump motor manufacturer is providing space heaters with the motors. These were not required, but the manufacturer recommends them to minimize risk of condensation in the motor. See Contactor COR 14 and CPR 9. **Add \$2,870.**
- Item 4** Flush Box Drain Piping Modifications: Modify discharge piping from flush box to eliminate the trap and install an inline check valve to stop sewer gases in 18" drain line. See Contractor COR 15r1 and CPR 10. **Add \$3,168.**
- Item 5** Over-Excavation Quantity and Cost Adjustment: The Contract Documents included a base bid over-excavation quantity of 8300 CY, and an adjustment price of \$35/CY. Actual over-excavation quantity was 6935 CY. See Contractor COR 18. **Deduct = (8300 CY – 6935 CY) x \$35/CY = \$47,775.**

Attachments: Contractor COR 11R, 13, 14, 15r1, 18; CPR 6, 8, 9, 10.

| CHANGE IN CONTRACT PRICE | CHANGE IN CONTRACT TIMES |
|---|--|
| Original Contract Price: \$ <u>13,449,000.00</u> | Original Contract Times: Substantial Completion: <u>May 15, 2018</u> Ready for Final Payment: <u>August 15, 2018</u> |
| Increase from previously approved Change Orders No. <u>1</u> to No. <u>2</u> : \$ <u>49,132.00</u> | [Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : Substantial Completion: <u>0 days</u> Ready for Final Payment: <u>0 days</u> |
| Contract Price prior to this Change Order: \$ <u>13,498,132.00</u> | Contract Times prior to this Change Order: Substantial Completion: <u>May 15, 2018</u> Ready for Final Payment: <u>August 15, 2018</u> days or dates |
| Decrease of this Change Order: \$ <u>(41,737.00)</u> | [Increase] [Decrease] of this Change Order: Substantial Completion: <u>0 days</u> Ready for Final Payment: <u>0 days</u> days or dates |
| Contract Price incorporating this Change Order: \$ <u>13,456,395.00</u> | Contract Times with all approved Change Orders: Substantial Completion: <u>May 15, 2018</u> Ready for Final Payment: <u>August 15, 2018</u> |

days or dates

| RECOMMENDED: | | ACCEPTED: | | ACCEPTED: | |
|-------------------------------|------------------------------|-----------------------------------|--|-----------|--|
| By: <u>Steven J. Hoyer</u> | By: _____ | By: <u>Mark C. [Signature]</u> | | | |
| Engineer (if required) | Owner (Authorized Signature) | Contractor (Authorized Signature) | | | |
| Title: <u>Project Manager</u> | Title: _____ | Title: <u>Project Manager</u> | | | |
| Date: <u>5-2-17</u> | Date: _____ | Date: <u>5-3-17</u> | | | |

Approved by Funding Agency (if applicable)

By: _____ Date: _____
Title: _____

Contractor's Application for Payment No.

20R

| | | |
|---|--|--|
| To (Owner): City of North Liberty, 3 Quail Creek Circle, North Liberty, IA 52317 | Application Period: 4/01/17 - 4/30/17 | Application Date: 4/30/2017 |
| Project: Phase II WWTP Improvements City of North Liberty | From (Contractor): Tricon Construction Group, Dubuque, IA 52001 | Via (Engineer): Fox Engineering Inc 414 S St, Ste 107, Ames IA |
| Owner's Contract No.: | Contract: Phase II WWTP Improvements | Contractor's Project No.: 15-012-IA |
| | | Engineer's Project No.: 2489-11A |

Application For Payment Change Order Summary

| Approved Change Orders | | |
|--------------------------------|-------------|--------------|
| Number | Additions | Deductions |
| 1 | \$3,862.41 | |
| 2 | \$23,001.91 | |
| 3 | \$6,448.07 | |
| 4 | \$9,908.71 | |
| 5 | \$62,335.01 | |
| 6 | \$3,942.11 | |
| 7 | \$9,069.92 | |
| 8 | | \$928.64 |
| 9 | \$38,110.05 | |
| 10 | \$27,587.25 | |
| 11 | \$13,386.83 | |
| TOTALS | | |
| | | \$197,652.27 |
| | | \$928.64 |
| NET CHANGE BY CHANGE ORDERS | | \$196,723.63 |

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor Signature

By: Mary K. Stone

Date: 5-01-17

EJCDC® C-620 Contractor's Application for Payment

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Page 1 of 1

| | | |
|--|----|-----------------|
| 1. ORIGINAL CONTRACT PRICE..... | \$ | \$15,621,000.00 |
| 2. Net change by Change Orders..... | \$ | \$196,723.63 |
| 3. Current Contract Price (Line 1 ± 2)..... | \$ | \$15,817,723.63 |
| 4. TOTAL COMPLETED AND STORED TO DATE (Column F total on Progress Estimates)..... | \$ | \$14,803,154.92 |
| 5. RETAINAGE: | | |
| a. 5% X \$14,345,536.14 Work Completed..... | \$ | \$717,276.81 |
| b. 5% X \$457,618.78 Stored Material..... | \$ | \$22,880.94 |
| c. Total Retainage (Line 5.a + Line 5.b)..... | \$ | \$740,157.75 |
| 6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)..... | \$ | \$14,062,997.17 |
| 7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... | \$ | \$13,844,682.53 |
| 8. AMOUNT DUE THIS APPLICATION..... | \$ | \$218,314.64 |
| 9. BALANCE TO FINISH, PLUS RETAINAGE (Column G total on Progress Estimates + Line 5.c above)..... | \$ | \$1,754,726.46 |

Payment of: \$ 218,314.64
(Line 8 or other - attach explanation of the other amount)

is recommended by: Jennifer Ruddy 5/2/2017
(Engineer) (Date)

Payment of: \$ _____
(Line 8 or other - attach explanation of the other amount)

is approved by: _____

Approved by: _____
Funding or Financing Entity (if applicable) (Date)

Change Order No. 1

| | |
|--|----------------------------------|
| Date of Issuance: | Effective Date: 4/28/17 |
| Owner: City of North Liberty | Owner's Contract No.: NA |
| Contractor: Metro Pavers, Inc. | Contractor's Project No.: 17-101 |
| Engineer: Shive-Hattery, Inc. | Engineer's Project No.: 1152610 |
| Project: North Liberty Road Improvements | Contract Name: - |





The Contract is modified as follows upon execution of this Change Order:

Description:

- 1) Stabilization materials to be used where unsuitable soils are present beneath storm pipe on manhole bedding. \$4002.08
- 2) Field tile to be connected to storm sewer system near STA 55+00 on the west side of the road. \$2310.00
- 3) Dispose of trees and rubble encountered in storm sewer excavation. \$1419.66

Attachments: Metro CR 01, 02, 03

| CHANGE IN CONTRACT PRICE | CHANGE IN CONTRACT TIMES |
|--|--|
| Original Contract Price: \$ 2,250,623.32 | Original Contract Times: Substantial Completion: <u>110 Working Days</u> Ready for Final Payment: <u>20 Working Days</u> days or dates |
| [Increase] [Decrease] from previously approved Change Orders No. <u> </u> to No. <u> </u> : \$ NA | [Increase] [Decrease] from previously approved Change Orders No. <u> </u> to No. <u> </u> : Substantial Completion: <u>NA</u> Ready for Final Payment: <u> </u> days |
| Contract Price prior to this Change Order: \$ 2,250,623.32 | Contract Times prior to this Change Order: Substantial Completion: <u>110 Working Days</u> Ready for Final Payment: <u>20 Working Days</u> days or dates |
| Increase of this Change Order: \$ 7731.74 | [Increase] [Decrease] of this Change Order: Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days or dates |
| Contract Price incorporating this Change Order: \$ 2,258,355.06 | Contract Times with all approved Change Orders: Substantial Completion: <u>110 Working Days</u> Ready for Final Payment: <u>20 Working Days</u> days or dates |

| | | | | | |
|--|------------------------------------|--|--|--|------------------------------------|
| RECOMMENDED: | | ACCEPTED: | | ACCEPTED: | |
| By: <u></u> | By: <u> </u> | By: <u></u> | By: <u></u> | By: <u></u> | By: <u> </u> |
| Title: Construction Administrator | Title: <u> </u> | Title: Owner (Authorized Signature) | Title: <u> </u> | Title: Contractor (Authorized Signature) | Title: <u> </u> |
| Date: 4/28/17 | Date: <u> </u> | Date: <u> </u> | Date: <u> </u> | Date: <u> </u> | Date: <u> </u> |

Change Order No. 2

Date of Issuance: _____ Effective Date: 5/4/17
 Owner: City of North Liberty Owner's Contract No.: NA
 Contractor: Metro Pavers, Inc. Contractor's Project No.: 17-101
 Engineer: Shive-Hattery, Inc. Engineer's Project No.: 1152610
 Project: North Liberty Road Improvements Contract Name: -



The Contract is modified as follows upon execution of this Change Order:

Description:

Wet and poor soils were encountered at approximate station 36+75. Install option 1 tile line per ITC 02.

Attachments: Metro CR 04, ITC 02

| CHANGE IN CONTRACT PRICE | CHANGE IN CONTRACT TIMES |
|---|--|
| Original Contract Price: \$ <u>2,250,623.32</u> | Original Contract Times: Substantial Completion: <u>110 Working Days</u> Ready for Final Payment: <u>20 Working Days</u> days or dates |
| Increase from previously approved Change Orders No. 1: \$ <u>7731.74</u> | [Increase] [Decrease] from previously approved Change Orders No. <u> </u> to No. <u> </u> : Substantial Completion: <u>NA</u> Ready for Final Payment: <u> </u> days |
| Contract Price prior to this Change Order: \$ <u>2,258,355.06</u> | Contract Times prior to this Change Order: Substantial Completion: <u>110 Working Days</u> Ready for Final Payment: <u>20 Working Days</u> days or dates |
| Increase of this Change Order: \$ <u>4347.00</u> | [Increase] [Decrease] of this Change Order: Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days or dates |
| Contract Price incorporating this Change Order: \$ <u>2,262,702.06</u> | Contract Times with all approved Change Orders: Substantial Completion: <u>110 Working Days</u> Ready for Final Payment: <u>20 Working Days</u> days or dates |

| | | | |
|--|-------------------------------------|--|--|
| RECOMMENDED: | | ACCEPTED: | |
| By: <u></u> | By: _____ | By: <u></u> | By: _____ |
| Title: Construction Administrator | Title: Owner (Authorized Signature) | Title: <u>CFO</u> | Title: Contractor (Authorized Signature) |
| Date: 5/3/17 | Date: _____ | Date: <u>5/3/17</u> | Date: _____ |

| ITEM # | ITEM NAME | QTY | UNIT | UNIT PRICE | EXTENSION | PREVIOUS QTY | CURRENT QTY | CURRENT AMOUNT | % | JTD QTY | JTD AMOUNT | JTD % |
|--------|--|--------|------|--------------|---------------|--------------|-------------|----------------|------|---------|--------------|-------|
| 1 | Clearing and Grubbing | 1,518 | UNIT | \$ 18.25 | \$ 24,672.38 | 1387 | 244.50 | \$ 3,973.13 | 16% | 1611.5 | \$ 26,186.88 | 106% |
| 2 | Excavation, Class 10, Roadway and Borrow | 83,331 | CY | \$ 2.33 | \$ 194,161.23 | 0 | 8,395.00 | \$ 19,560.35 | 10% | 8395 | \$ 19,560.35 | 10% |
| 3 | Topsoil, Strip, Salvage and Spread | 20,127 | CY | \$ 2.88 | \$ 57,965.76 | 0 | 6,040.00 | \$ 17,395.20 | 30% | 6040 | \$ 17,395.20 | 30% |
| 4 | Subgrade Stabilization | 23,015 | SY | \$ 8.39 | \$ 193,095.85 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 5 | Modified Subbase | 4,240 | CY | \$ 28.00 | \$ 118,720.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 6 | Shoulder Finishing, Earth | 7 | STA | \$ 260.00 | \$ 1,690.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 7 | Macadam Stone Base | 455 | TON | \$ 19.85 | \$ 8,031.75 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 8 | Relocation of Mail Boxes | 9 | EA | \$ 250.00 | \$ 2,250.00 | 0 | 4.00 | \$ 1,000.00 | 44% | 4 | \$ 1,000.00 | 44% |
| 9 | STD or Slip Form PCC Pavement, CL C, CL 3I Durability, 7 In. | 115 | SY | \$ 39.00 | \$ 4,465.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 10 | STD or Slip Form PCC Pavement, CL C, CL 3I Durability, 9 In. | 19,420 | SY | \$ 35.80 | \$ 695,236.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 11 | Surfacing, Driveway, Class A Crushed Stone | 455 | TON | \$ 21.15 | \$ 9,623.25 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 12 | Removal of Sign | 4 | EA | \$ 50.00 | \$ 200.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 13 | Removals, As Per Plan | 1 | LS | \$ 3,500.00 | \$ 3,500.00 | 0 | 0.75 | \$ 2,625.00 | 75% | 0.75 | \$ 2,625.00 | 75% |
| 14 | Aprons, Concrete, 15 In. Dia. | 3 | EA | \$ 650.00 | \$ 1,950.00 | 0 | 1.00 | \$ 650.00 | 33% | 1 | \$ 650.00 | 33% |
| 15 | Aprons, Concrete, 18 In. Dia. | 6 | EA | \$ 700.00 | \$ 4,200.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 16 | Aprons, Concrete, 24 In. Dia. | 1 | EA | \$ 825.00 | \$ 825.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 17 | Aprons, Concrete, 48 In. Dia. | 1 | EA | \$ 1,600.00 | \$ 1,600.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 18 | Aprons, Concrete, 54 In. Dia. | 2 | EA | \$ 1,700.00 | \$ 3,400.00 | 0 | 2.00 | \$ 3,400.00 | 100% | 2 | \$ 3,400.00 | 100% |
| 19 | Aprons, Concrete, 60 In. Dia. | 2 | EA | \$ 2,250.00 | \$ 4,500.00 | 0 | 2.00 | \$ 4,500.00 | 100% | 2 | \$ 4,500.00 | 100% |
| 20 | Apron, Low Clearance Concrete, Equivalent Diameter 24 In. | 20 | EA | \$ 800.00 | \$ 16,000.00 | 0 | 4.00 | \$ 3,200.00 | 20% | 4 | \$ 3,200.00 | 20% |
| 21 | Manhole, Storm Sewer, SW-401, 60 In. | 2 | EA | \$ 3,650.00 | \$ 7,300.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 22 | Manhole, Storm Sewer, SW-401, 108 In. | 1 | EA | \$ 16,200.00 | \$ 16,200.00 | 0 | 1.00 | \$ 16,200.00 | 100% | 1 | \$ 16,200.00 | 100% |
| 23 | Intake, SW-509 | 3 | EA | \$ 3,800.00 | \$ 11,400.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 24 | Intake, SW-512, 24 In. | 2 | EA | \$ 1,600.00 | \$ 3,200.00 | 0 | 1.00 | \$ 1,600.00 | 50% | 1 | \$ 1,600.00 | 50% |
| 25 | Intake, SW-512, 36 In. | 1 | EA | \$ 5,000.00 | \$ 5,000.00 | 0 | 1.00 | \$ 5,000.00 | 100% | 1 | \$ 5,000.00 | 100% |
| 26 | Intake, SW-513 - 36"x48" | 1 | EA | \$ 3,400.00 | \$ 3,400.00 | 0 | 1.00 | \$ 3,400.00 | 100% | 1 | \$ 3,400.00 | 100% |
| 27 | Intake, SW-513 - 36"x42" | 1 | EA | \$ 3,400.00 | \$ 3,400.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 28 | Intake, SW-513 - 48"x48" | 1 | EA | \$ 3,800.00 | \$ 3,800.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 29 | Intake, SW-513 - 60"x72" | 2 | EA | \$ 4,400.00 | \$ 8,800.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 30 | Intake, SW-513 - 60"x84" | 2 | EA | \$ 5,400.00 | \$ 10,800.00 | 0 | 2.00 | \$ 10,800.00 | 100% | 2 | \$ 10,800.00 | 100% |
| 31 | Subdrain, Longitudinal, (Backslope) 6 In. Dia. | 1,910 | LF | \$ 9.00 | \$ 17,190.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 32 | Subdrain, Longitudinal, (Shoulder) 4 In. Dia. | 200 | LF | \$ 6.00 | \$ 1,200.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 33 | Subdrain Outlet, DR-303 | 4 | EA | \$ 100.00 | \$ 400.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 34 | Subdrain Outlet, DR-304 | 4 | EA | \$ 300.00 | \$ 1,200.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 35 | Special Pipe Connection- Type PC-1 | 3 | EA | \$ 875.00 | \$ 2,625.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 36 | Subdrain Cleanout, 6 In., As Per Plan | 5 | EA | \$ 400.00 | \$ 2,000.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 37 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 12 In. | 17 | LF | \$ 30.00 | \$ 510.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 38 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 15 In. | 268 | LF | \$ 35.00 | \$ 9,380.00 | 0 | 91.00 | \$ 3,185.00 | 34% | 91 | \$ 3,185.00 | 34% |
| 39 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 18 In. | 390 | LF | \$ 38.00 | \$ 14,820.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 40 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 24 In. | 180 | LF | \$ 45.00 | \$ 8,100.00 | 0 | 17.00 | \$ 765.00 | 9% | 17 | \$ 765.00 | 9% |
| 41 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 42 In. | 26 | LF | \$ 125.00 | \$ 3,250.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 42 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 48 In. | 78 | LF | \$ 155.00 | \$ 12,090.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 43 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 54 In. | 146 | LF | \$ 180.00 | \$ 26,280.00 | 0 | 146.00 | \$ 26,280.00 | 100% | 146 | \$ 26,280.00 | 100% |
| 44 | Storm Sewer Gravity Main, Trenched, RCP 2000D (CL III), 60 In. | 227 | LF | \$ 200.00 | \$ 45,400.00 | 0 | 227.00 | \$ 45,400.00 | 100% | 227 | \$ 45,400.00 | 100% |
| 45 | Clearance Concrete Pipe, Equiv. Dia. 24 In. | 241 | LF | \$ 65.00 | \$ 15,665.00 | 0 | 32.00 | \$ 2,080.00 | 13% | 32 | \$ 2,080.00 | 13% |
| 46 | Remove Storm Sewer Pipe Less Than or Equal to 36 In. | 373 | LF | \$ 10.00 | \$ 3,730.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 47 | Remove Storm Sewer Pipe Greater Than 36 In. | 243 | LF | \$ 12.00 | \$ 2,916.00 | 0 | 193.00 | \$ 2,316.00 | 79% | 193 | \$ 2,316.00 | 79% |
| 48 | Remove and Reinstall Storm Sewer Pipe Less Than or Equal to 36 In. | 27 | LF | \$ 42.00 | \$ 1,134.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 49 | Revelment, Class E | 1,225 | TON | \$ 35.85 | \$ 43,871.25 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 50 | Erosion Stone | 861 | TON | \$ 24.95 | \$ 21,481.95 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 51 | Backfill for Retaining Wall | 1,600 | TON | \$ 6.36 | \$ 10,208.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 52 | Segmental Block Retaining Wall | 2,680 | SF | \$ 39.50 | \$ 105,860.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 53 | Removal of Pavement | 169 | SY | \$ 9.35 | \$ 1,580.15 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 54 | Driveway, P.C. Concrete, 6 In. | 385 | SY | \$ 35.50 | \$ 13,667.50 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 55 | Fence, Chain Link, 48 In. Height | 318 | LF | \$ 24.75 | \$ 7,870.50 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 56 | Fence, Field - Temporary | 6,000 | LF | \$ 3.75 | \$ 22,500.00 | 0 | 6,000.00 | \$ 22,500.00 | 100% | 6000 | \$ 22,500.00 | 100% |
| 57 | Fence, Field | 7,730 | LF | \$ 7.95 | \$ 61,453.50 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 58 | Gate, Field Fence, 16 Ft. | 8 | EA | \$ 775.00 | \$ 6,200.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 59 | Removal of Fence, Field | 7,900 | LF | \$ 2.75 | \$ 21,725.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |
| 60 | Remove and Reinstall Sign As Per Plan | 10 | EA | \$ 100.00 | \$ 1,000.00 | 0 | \$ - | \$ - | 0% | 0 | \$ - | 0% |

NORTH LIBERTY ROAD IMPROVEMENTS PROJECT
NORTH LIBERTY, IA
PROJECT NO. 116162-0

PAY APPLICATION NUMBER: 3
FOR WORK THROUGH: 4/30/2017

| ITEM # | ITEM NAME | QTY | UNIT | UNIT PRICE | EXTENSION | PREVIOUS QTY | CURRENT QTY | CURRENT AMOUNT | % | JTD QTY | JTD AMOUNT | JTD % |
|--------------------------|--|--------|------|--------------|----------------|--------------|-------------|----------------|------|---------|---------------|-------|
| 61 | Perforated Square Steel Tube Posts | 96 | LF | \$ 10.00 | \$ 960.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 62 | Perforated Square Steel Tube Post Anchor, Break-Away Soil Installation | 7 | EA | \$ 100.00 | \$ 700.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 63 | Type A Signs, Sheet Aluminum | 35 | SF | \$ 20.00 | \$ 700.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 64 | Painted Pavement Markings, Durable | 212 | STA | \$ 65.00 | \$ 13,780.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 65 | Traffic Control | 1 | LS | \$ 5,650.00 | \$ 5,650.00 | 0 | 0.25 | \$ 1,412.50 | 25% | 0.25 | \$ 1,412.50 | 25% |
| 66 | Mobilization | 1 | LS | \$ 65,000.00 | \$ 65,000.00 | 0.1 | 0.40 | \$ 26,000.00 | 40% | 0.5 | \$ 32,500.00 | 50% |
| 67 | Temporary Access Drives | 1 | LS | \$ 10,500.00 | \$ 10,500.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 68 | Compost Filter Tube (6 In. Dia.) or Silt Fence | 15,400 | LF | \$ 1.50 | \$ 23,100.00 | 0 | 5,578.00 | \$ 8,367.00 | 36% | 5,578 | \$ 8,367.00 | 36% |
| 69 | Biodegradable Erosion Control Blanket | 8,855 | SQ | \$ 12.35 | \$ 109,359.25 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 70 | Hydraulic Seeding, Fertilizing and Mulching - Type 1 | 3 | ACRE | \$ 3,600.00 | \$ 9,000.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 71 | Hydraulic Seeding, Fertilizing and Mulching - Type 2 | 18 | ACRE | \$ 3,200.00 | \$ 56,960.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 72 | Stabilizing Crop - Seeding, Fertilizing and Mulching - Type 4 | 20 | ACRE | \$ 450.00 | \$ 9,000.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 73 | Permeable Ditch Checks | 4,200 | LF | \$ 5.50 | \$ 23,100.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 74 | Removal of Compost Filter Tube, Silt Fence or Ditch Checks | 19,600 | LF | \$ 0.15 | \$ 2,940.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 75 | Maintenance of Compost Filter Tube, Silt Fence or Ditch Checks | 19,600 | LF | \$ 0.05 | \$ 980.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 76 | Mobilization, Erosion Control | 15 | EA | \$ 250.00 | \$ 3,750.00 | 0 | 3.00 | \$ 750.00 | 20% | 3 | \$ 750.00 | 20% |
| 77 | Temporary Sediment Control Basin | 11 | EA | \$ 380.00 | \$ 4,180.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 78 | Removal of Temporary Sediment Control Basin | 11 | EA | \$ 280.00 | \$ 3,080.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 79 | Maintenance of Temporary Sediment Control Basin | 11 | EA | \$ 150.00 | \$ 1,650.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 80 | Area Inlet Protector | 6 | EA | \$ 120.00 | \$ 720.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| TOTAL CONTRACT: | | | | | \$2,250,623.32 | | | | | | | |
| CO 01 | 6" Special Backfill | 181.5 | TN | 22.05 | \$ 4,002.08 | 0 | 181.50 | \$ 4,002.08 | 100% | 181.5 | \$ 4,002.08 | 100% |
| CO 02 | 6" Field Tile Connections | 110 | LF | 21.00 | \$ 2,310.00 | 0 | 110.00 | \$ 2,310.00 | 100% | 110 | \$ 2,310.00 | 100% |
| CO 03 | Dispose of Trees & Rubble | 2 | LOAD | 709.83 | \$ 1,419.66 | 0 | 2.00 | \$ 1,419.66 | 100% | 2 | \$ 1,419.66 | 100% |
| TOTAL CHANGE ORDERS: | | | | | \$ 7,731.74 | | | | | | | |
| TOTAL REVISED CONTRACT: | | | | | \$2,258,355.05 | | | | | | | |
| VALUE OF COMPLETED WORK: | | | | | | | | \$ 240,090.91 | 11% | | \$ 268,804.66 | 12% |
| LESS RETAINAGE (5%): | | | | | | | | \$ 12,004.55 | | | \$ 13,440.23 | |
| NET AMOUNT DUE: | | | | | | | | \$ 228,086.36 | | | \$ 255,364.43 | |
| LESS PREVIOUS PAYMENTS: | | | | | | | | | | | \$ 27,278.06 | |
| AMOUNT DUE THIS REQUEST: | | | | | | | | | | | \$ 228,086.36 | |

SIGNATURES:

CONTRACTOR
METRO PAVERS, INC.

SHELLY DUSTER, CFO

DATE:

4/28/17

ENGINEER:
SHIVE-HATTERY, INC.

DATE:

4/28/17

OWNER:
CITY OF NORTH LIBERTY

DATE:

OWNER:
CITY OF NORTH LIBERTY

DATE:



ENGINEERS JOINT CONTRACT
DOCUMENTS COMMITTEE

Contractor's Application for Payment No.

5

| | | |
|--|--|---|
| Application Period: 4/17/2017 | | Application Date: 4/17/2017 |
| To City of North Liberty Quail Creek Circle (Owner): North Liberty, IA 52317 | From (Contractor): Gingerich Well & Pump Service | Via (Engineer): Fox Engineering Associates |
| Project: Phase I-Water System Improvements Division III-Well Construction and Rehabilitation | Contract: City of North Liberty Phase I-Water System Improvements Division III-Well Construction and Rehabilitation | |
| Owner's Contract No.: FS-52-14-DWSRF-020 | Contractor's Project No.: | Engineer's Project No.: 3373-15A |

Application For Payment

Change Order Summary

| Approved Change Orders | | |
|--------------------------------|-------------|------------|
| Number | Additions | Deductions |
| 1 | \$19,050.00 | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| TOTALS | \$19,050.00 | |
| NET CHANGE BY CHANGE ORDERS | \$19,050.00 | |

| | | |
|--|----|----------------|
| 1. ORIGINAL CONTRACT PRICE..... | \$ | \$2,880,094.00 |
| 2. Net change by Change Orders..... | \$ | \$19,050.00 |
| 3. Current Contract Price (Line 1 ± 2)..... | \$ | \$2,899,144.00 |
| 4. TOTAL COMPLETED AND STORED TO DATE (Column F total on Progress Estimates)..... | \$ | \$2,046,128.00 |
| 5. RETAINAGE: | | |
| a. 5% X \$2,046,128.00 Work Completed..... | \$ | \$102,306.40 |
| b. X Stored Material..... | \$ | |
| c. Total Retainage (Line 5.a + Line 5.b)..... | \$ | \$102,306.40 |
| 6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c)..... | \$ | \$1,943,821.60 |
| 7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)..... | \$ | \$1,769,040.60 |
| 8. AMOUNT DUE THIS APPLICATION..... | \$ | \$174,781.00 |
| 9. BALANCE TO FINISH, PLUS RETAINAGE (Column G total on Progress Estimates + Line 5.c above)..... | \$ | \$955,322.40 |

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

- (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
- (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and
- (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor Signature

By: Jill Williams-Gingerich Well & Pump Service Date: 4/17/2017

Payment of: \$ 174,781.00
(Line 8 or other - attach explanation of the other amount)

is recommended by: Taylor Attyper 5/2/2017
(Engineer) (Date)

Payment of: \$
(Line 8 or other - attach explanation of the other amount)


is approved by: _____
(Owner) (Date)

Approved by: _____
Funding or Financing Entity (if applicable) (Date)

| ITEM # | ITEM NAME | QTY | UNIT | UNIT PRICE | EXTENSION | PREVIOUS QTY | CURRENT QTY | CURRENT AMOUNT | % | JTD QTY | JTD AMOUNT | JTD % |
|---------------------------------|---|---------|------|------------|---------------|--------------|-------------|----------------|-----|----------|-----------------|-------|
| 1 | Subdrain | 4,120 | LF | 10.00 | \$ 41,200.00 | 4,120.00 | | \$ - | 0% | 4,120.00 | \$ 41,200.00 | 100% |
| 2 | 12" Storm Sewer | 232 | LF | 25.00 | \$ 5,800.00 | 232 | | \$ - | 0% | 232 | \$ 5,800.00 | 100% |
| 3 | 15" Storm Sewer | 269 | LF | 30.00 | \$ 8,070.00 | 269 | | \$ - | 0% | 269 | \$ 8,070.00 | 100% |
| 4 | 18" Storm Sewer | 165 | LF | 40.00 | \$ 6,600.00 | 165 | | \$ - | 0% | 165 | \$ 6,600.00 | 100% |
| 5 | 15" Storm Outlet Headwall | 5 | EA | 2,500.00 | \$ 12,500.00 | 4.5 | 0.50 | \$ 1,250.00 | 10% | 5 | \$ 12,500.00 | 100% |
| 6 | 18" Storm Outlet Headwall | 6 | EA | 3,000.00 | \$ 18,000.00 | 5.5 | 0.50 | \$ 1,500.00 | 8% | 6 | \$ 18,000.00 | 100% |
| 7 | Storm Curb Intake Structure | 5 | EA | 3,000.00 | \$ 15,000.00 | 5 | | \$ - | 0% | 5 | \$ 15,000.00 | 100% |
| 8 | Storm Beehive Intake Structure | 1 | EA | 2,500.00 | \$ 2,500.00 | 1 | | \$ - | 0% | 1 | \$ 2,500.00 | 100% |
| 9 | Storm Nyloplast Intake | 5 | EA | 3,500.00 | \$ 17,500.00 | 5 | | \$ - | 0% | 5 | \$ 17,500.00 | 100% |
| 10 | Light Poles (Parking) | 13 | EA | 11,000.00 | \$ 143,000.00 | 2.5 | 4.00 | \$ 44,000.00 | 31% | 6.5 | \$ 71,500.00 | 50% |
| 11 | Light Poles (Pedestrian - Trail) | 8 | EA | 10,000.00 | \$ 80,000.00 | 4 | | \$ - | 0% | 4 | \$ 40,000.00 | 50% |
| 12 | 3/8" Stone Chips (ASTM No. 57) | 417 | Ton | 59.09 | \$ 24,640.53 | 417 | | \$ - | 0% | 417 | \$ 24,640.53 | 100% |
| 13 | 1" Clean Rock (ASTM No. 2) | 1,514 | Ton | 20.00 | \$ 30,280.00 | 1514 | | \$ - | 0% | 1514 | \$ 30,280.00 | 100% |
| 14 | 1 1/2" - 3" Clean Rock (ASTM No. 2) | 2,496 | Ton | 25.00 | \$ 62,400.00 | 2496 | | \$ - | 0% | 2496 | \$ 62,400.00 | 100% |
| 15 | IDOT 4130.05 Erosion Stone | 275 | Ton | 30.00 | \$ 8,250.00 | 275 | | \$ - | 0% | 275 | \$ 8,250.00 | 100% |
| 16 | Bioswale Modified Soil/Grading | 2,000 | CY | 15.00 | \$ 30,000.00 | 2000 | | \$ - | 0% | 2000 | \$ 30,000.00 | 100% |
| 17 | Erosion Control Blanket | 136,272 | SF | 0.12 | \$ 16,352.64 | 0 | 99,672.00 | \$ 11,960.64 | 73% | 99672 | \$ 11,960.64 | 73% |
| 18 | Geotextile Fabric | 10,500 | SF | 2.00 | \$ 21,000.00 | 10500 | | \$ - | 0% | 10500 | \$ 21,000.00 | 100% |
| 19 | PCC Drive Pavement & Subbase | 2,939 | SY | 39.35 | \$ 115,649.65 | 2846 | 93.00 | \$ 3,659.55 | 3% | 2939 | \$ 115,649.65 | 100% |
| 20 | PCC Sidewalk & Trail Pavement | 5,506 | SY | 35.00 | \$ 192,710.00 | 4956 | 550.00 | \$ 19,250.00 | 10% | 5506 | \$ 192,710.00 | 100% |
| 21 | Permeable Pavers | 50,670 | SF | 3.82 | \$ 193,559.40 | 50670 | | \$ - | 0% | 50670 | \$ 193,559.40 | 100% |
| 22 | PCC Curb & Gutter Paver Edge | 3,000 | LF | 20.00 | \$ 60,000.00 | 3000 | | \$ - | 0% | 3000 | \$ 60,000.00 | 100% |
| 23 | Traffic & Parking Signs | 7 | EA | 200.00 | \$ 1,400.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 24 | Pavement Striping | 4,300 | LF | 1.09 | \$ 4,687.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 25 | Mobilization | 1 | LS | 71,239.78 | \$ 71,239.78 | 1 | | \$ - | 0% | 1 | \$ 71,239.78 | 100% |
| 26 | Erosion Control & Silt Fence | 1 | LS | 30,000.00 | \$ 30,000.00 | 0.5 | 0.25 | \$ 7,500.00 | 25% | 0.75 | \$ 22,500.00 | 75% |
| 27 | Temporary Traffic Control | 1 | LS | 2,400.00 | \$ 2,400.00 | 0.9 | 0.05 | \$ 120.00 | 5% | 0.95 | \$ 2,280.00 | 95% |
| 28 | Topsoil Striping & Respreading | 8,825 | CY | 8.00 | \$ 70,600.00 | 8150 | 600.00 | \$ 4,800.00 | 7% | 8750 | \$ 70,000.00 | 99% |
| 29 | Grading and Excavation | 6,000 | CY | 8.60 | \$ 51,600.00 | 5940 | 60.00 | \$ 516.00 | 1% | 6000 | \$ 51,600.00 | 100% |
| 30 | Haul In - Fill Material | 2,500 | CY | 20.00 | \$ 50,000.00 | 2500 | | \$ - | 0% | 2500 | \$ 50,000.00 | 100% |
| 31 | Plantings - Plugs | 59,932 | EA | 3.00 | \$ 179,786.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 32 | Hydroseed | 10 | AC | 2,800.00 | \$ 28,000.00 | 0 | 7.50 | \$ 21,000.00 | 75% | 7.5 | \$ 21,000.00 | 75% |
| 33 | Overstory Trees | 28 | EA | 250.00 | \$ 7,000.00 | 0 | 10.00 | \$ 2,500.00 | 36% | 10 | \$ 2,500.00 | 36% |
| 34 | Ornamental Trees | 26.0 | EA | 350.00 | \$ 9,100.00 | 0 | 14.00 | \$ 4,900.00 | 54% | 14 | \$ 4,900.00 | 54% |
| 35 | Shrubs | 240.0 | EA | 125.00 | \$ 30,000.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| 36 | Mulch | 141 | CY | 65.00 | \$ 9,165.00 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| CO 01 | Core-out Unsuitable Subgrade | 1 | LS | 905.10 | \$ 905.10 | 1 | | \$ - | 0% | 1 | \$ 905.10 | 100% |
| CO 02 | Pond Friendly Herbicide/Plant Substitutions | 1 | LS | 242.08 | \$ 242.08 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| CO 03 | Ponding Issue | 1 | LS | 2,738.40 | \$ 2,738.40 | 0 | | \$ - | 0% | 0 | \$ - | 0% |
| TOTAL CONTRACT: \$ 1,653,885.58 | | | | | | | | | | | | |
| VALUE OF COMPLETED WORK: | | | | | | | | \$ 122,956.19 | 7% | | \$ 1,286,045.10 | 77.8% |
| LESS RETAINAGE (5%): | | | | | | | | \$ 6,147.81 | | | \$ 64,302.28 | |
| NET AMOUNT DUE: | | | | | | | | \$ 116,808.38 | | | \$ 1,221,742.85 | |
| LESS PREVIOUS PAYMENTS: | | | | | | | | | | | \$ 1,104,934.46 | |
| AMOUNT DUE THIS REQUEST: | | | | | | | | | | | \$ 116,808.38 | |

SIGNATURES:

CONTRACTOR
METRO PAVERS, INC.

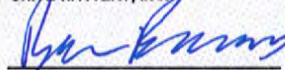


SHELLY DUSTER, CFO

DATE:

4/28/17

ENGINEER:
SHIVE-HATTERY, INC.



RYAN BOWERS, PE

DATE:

4/28/17

OWNER:
CITY OF NORTH LIBERTY

DATE:

CHANGE ORDER
For Local Public Agency Projects

No.: 2

Non-Substantial: ☒

May 1, 2017

Substantial: ☐

Administering Office
Concurrence Date

Accounting ID No. (5-digit number): 34094

Project Number: STP-U-5557(620)--70-52

Kind of Work: PCC Pavement- Grade/Repair

Local Public Agency: North Liberty

Contractor: Streb Construction Co., Inc.

Date Prepared: May 1, 2017

You are hereby authorized to make the following changes to the contract documents.

A - Description of change to be made:

8001 - Add an item for "Field Tile Repair." Perform work per Standard Specification 2502. Work consists of dewatering, exposing and locating existing field tile line in conflict with the new work, replacing with same size tile across an excavation location, and reconnecting to the existing tile line on the other side of the excavation. Method of Measurement: Item will not be measured separately for payment. Basis of Payment: Lump Sum. This payment is full compensation for all labor, equipment and materials necessary to perform the work as described.

8002 - Add an item for "48" RCP Concrete Collar." Work consists of placing Type PC-2 concrete collar (see Standard Road Plan SW-211, dated 10-16-12) where the reinstalled pipe apron connects to new 48" RCP pipe at the Stage 1A storm sewer outlet. Method of Measurement: Item will not be measured separately for payment. Basis of Payment: Lump Sum. This payment is full compensation for all labor, equipment and materials necessary to perform the work as described.

B - Reason for change:

8001 - An existing field tile line was located crossing the Stage 1A storm sewer excavation, and needed to be rerouted around the new storm sewer installation.

8002 - The existing 48" RCP apron has a different bell end geometry than the 48" RCP pipe manufactured today. A concrete collar is needed at the connection between the new pipe and the reinstalled apron.

C - Settlement for cost(s) of change as follows with items addressed in Sections F and/or G:

8001 - Agreed Lump Sum Price

8002 - Agreed Lump Sum Price

D - Justification for cost(s) (See I.M. 3.805, Attachment D, Chapter 2.36, for acceptable justification):

8001 - An agreed upon lump sum price for the work was established. The cost includes Prime Contractor markup per Standard Specification 1109.03,B.,3 (\$100 minimum per specification).

8002 - An agreed upon lump sum price for the work was established. The cost includes Prime Contractor markup per Standard Specification 1109.03,B.,3 (\$100 minimum per specification).

E - Contract time adjustment: ☒ No Working Days added

☐ Working Days added: _____ ☐ Unknown at this time

Justification for selection:

Work was not a controlling item.

F - Items included in contract:

| Participating | | | | For deductions enter as "-x.xx" | | |
|---------------|-----------|-------------|------------------|------------------------------------|------------------|---------------|
| Federal-aid | State-aid | Line Number | Item Description | Unit Price .xx | Quantity .xxx | Amount .xx |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Add Row | Delete Row | TOTAL |

G - Items not included in contract:

| Participating | | | | For deductions enter as "-x.xx" | | |
|---------------|-----------|---------------|---------------------------------------|------------------------------------|------------------|---------------|
| Federal-aid | State-aid | Change Number | Item Description | Unit Price .xx | Quantity .xxx | Amount .xx |
| | | 8001 | 2599-9999010: Field Tile Repair | \$1.00 | 272.500 | \$272.50 |
| | | 8002 | 2599-9999010: 48" RCP Concrete Collar | \$1.00 | 531.250 | \$531.25 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | Add Row | Delete Row | TOTAL |
| | | | | | | \$803.75 |

H. Signatures

Agreed:

Contractor _____ Date _____

Recommended:

Project Engineer _____ Date _____

Approved:

Person in Responsible Charge _____ Date _____ Other (optional) _____ Title _____ Date _____

Contracting Authority (optional) _____ Date _____ Other (optional) _____ Title _____ Date _____

Iowa DOT Administering Office _____ Date _____

Approval is contingent upon funds being available under the existing project agreement or upon additional Federal-aid funds being made available by a modified project agreement.

FHWA Concurrence:

Federal Highway Division Administration _____ Date _____
(if required)

DISTRIBUTION (after fully executed on LPA projects): Original - Finance; Copies - Contractor, Project Engineer, Contracting Authority, Administering Office.

Date distributed: _____

Initials: _____

Doc Express Document Signing History

Contract: 52-5557-620 Document: Penn 2017 - Change Order #2

This document is in the process of being signed by all required signatories using the Doc Express service. Following are the signatures that have occurred so far.

| Date | Signed By |
|------------|---|
| 05/01/2017 | Steve Streb Streb Construction Co., Inc. Electronic Signature (Approved by Contractor) |
| 05/01/2017 | Josiah Bilskemper Shive-Hattery, Inc Electronic Signature (Recommended by Engineer) |
| | (Approved by PIRC (when applicable)) |
| | (Approved by Administering Office or designee) |
| | (Approved by FHWA (when applicable)) |

Applicant License Application (LC0043159)

Name of Applicant: Cafe Project LLC

Name of Business (DBA): Cafe Muse

Address of Premises: 565 Cameron Way

City North Liberty

County: Iowa

Zip: 52317

Business (706) 726-6144

Mailing 1015 Pheasant Ln

City North Liberty

State IA

Zip: 52317

Contact Person

Name Chengjie Huang

Phone: (706) 726-6144

Email

chengjie.huang@gmail.com

Classification Class C Liquor License (LC) (Commercial)

Term:12 months

Effective Date: 12/26/2016

Expiration Date: 12/25/2017

Privileges:

Class C Liquor License (LC) (Commercial)

Outdoor Service

Status of Business

BusinessType: Limited Liability Company

Corporate ID Number: 517089

Federal Employer ID 81-15186-9

Ownership

Chengjie Huang

First Name: Chengjie

Last Name: Huang

City: North Liberty

State: Iowa

Zip: 52317

Position: Owner manager

% of Ownership: 50.00%

U.S. Citizen: Yes

Nastaran Moradi Shahmansouri

First Name: Nastaran

Last Name: Moradi Shahmansouri

City: North Liberty

State: Iowa

Zip: 52317

Position: Owner manager

% of Ownership: 50.00%

U.S. Citizen: No

Insurance Company Information

Insurance Company: Society Insurance

Policy Effective Date: 12/26/2016

Policy Expiration 12/26/2017

Bond Effective

Dram Cancel Date:

Outdoor Service Effective 06/01/2017

Outdoor Service Expiration 10/01/2017

Temp Transfer Effective

Temp Transfer Expiration Date:

United Methodist Church Site Plan





April 27, 2017

Memo

To: North Liberty Planning Commission
From: Dean Wheatley, Planning Director
Subject: Site Plan Approval Request, First United Methodist Church
(11-80-7 NE SE SE)

Your North Liberty city staff has reviewed the subject submission, and offer comments presented in this memo. The staff review team includes the following personnel:

Ryan Heiar, City Administrator
Tracey Mulcahey, Assistant City Administrator
Tom Palmer, City Building Official
Scott Peterson, City Attorney
Kevin Trom, City Engineer
Dean Wheatley, Planning Director

This request is to approve a revised site plan for additions to the First United Methodist Church located at 85 N Jones Boulevard.

The site layout features a much larger church building, substantial parking, the North Liberty Food Pantry, a storage outbuilding, and substantial green space. The site is quite flat and stormwater drainage will be managed through on-site systems featuring measures intended to reduce runoff. Landscape is minimal but meets requirements for screening of parking, including low berming required to partially screen the parking areas from Jones Boulevard.

The very large building is an interesting design consistent with North Liberty design standards for human scale and variations in exterior elevations. Masonry minimum standards are not established for the ID district in which the church is located, and it is unfortunate that so much of the proposed church, especially the front portion that extends out toward Jones Boulevard, is composed of vinyl siding. Masonry percentages are:

40% of east elevation (facing Jones Boulevard)
46% of north elevation (facing Food Pantry)
0% of west elevation (facing current open field, future residential development)
5% of south elevation (facing current open field, future residential development).

The mass of building sides is somewhat disguised by siding patterns and use of masonry in some areas.

Parking is expanded on the site, and the proposal is consistent with City standards, including standing curbs around the periphery, trees within 40 feet of each parking spot, and berming and landscaping to soften the visual impact from Jones Boulevard.

Staff received a request to delay installation of the Jones Boulevard sidewalk for quite some time. We do not recommend any delay, as there is no logical reason given, any delay would set a precedent of delaying vital ADA facilities, and enforcing agreements such as this inevitably result in difficulties in the future. The sidewalk needs to be installed prior to issuance of an occupancy permit for the site plan improvements.

The site plan is recommended for approval.

FIRST UNITED METHODIST CHURCH OF NORTH LIBERTY
NORTH LIBERTY, IOWA

SANCTUARY AND EDUCATION ADDITION

UTILITY CONTACTS

CITY OF NORTH LIBERTY

PUBLIC WORKS
3 QUAIL CREEK CIRCLE
(319) 626-5700

WATER PLANT
GREG METTERNICH
(319) 626-5719

MIDAMERICAN ENERGY COMPANY
CURT MATTINGLY
(319) 341-4455

LINN COUNTY REC
ROB HURSH
(319) 377-5754 EXT 216

CENTURYLINK LOCAL NETWORK
THOMAS STURMER
(303) 664-8090

MEDIACOM
DARWIN DRISCOLL
(800) 332-0245

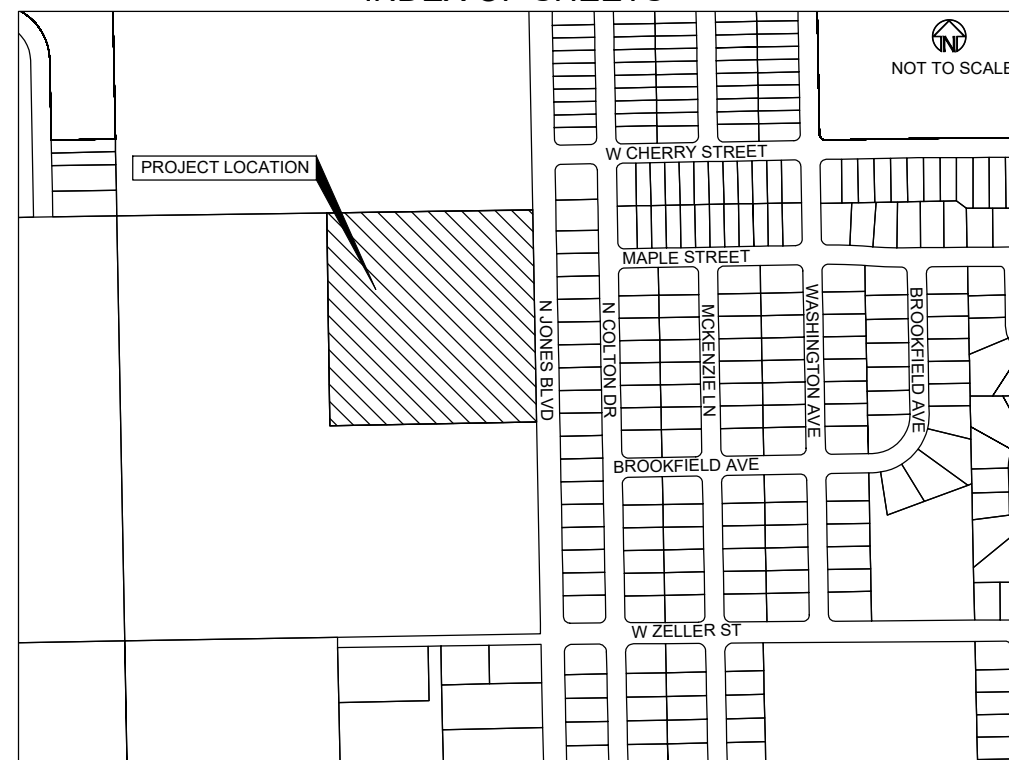
PROJECT INFORMATION

SCOPE OF WORK:

CONSTRUCTION OF A BUILDING ADDITION AND
ASSOCIATED GRADING, UTILITIES, PAVEMENT, STORM
WATER MANAGEMENT FEATURES, AND SITE
LANDSCAPING AND RESTORATION.



INDEX OF SHEETS

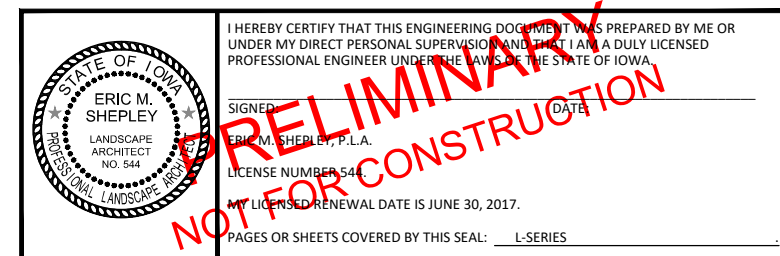
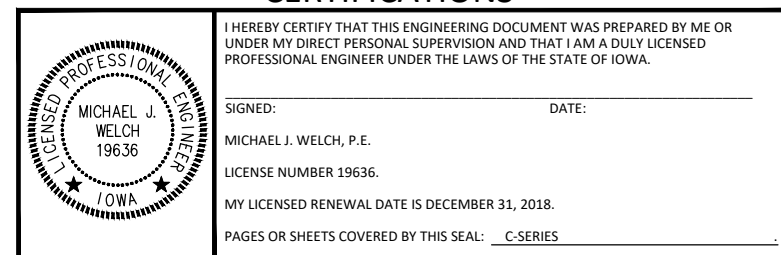


JOHNSON COUNTY, NORTH LIBERTY, IA

INDEX OF SHEETS

| SHEET | TITLE |
|-------|----------------------------------|
| C000 | COVER SHEET |
| CIVIL | |
| C100 | EXISTING CONDITION AND DEMO PLAN |
| C200 | OVERALL SITE PLAN |
| C210 | UTILITY PLAN |
| C220 | OVERALL GRADING PLAN |
| C221 | DETAILED GRADING PLAN: NORTH |
| C222 | DETAILED GRADING PLAN: SOUTH |
| C300 | PHOTOMETRIC PLAN |
| C900 | GENERAL NOTES |
| C910 | PAVING & UTILITY DETAILS |
| C911 | SWPPP DETAILS |
| C912 | BIORETENTION DETAILS |
| L100 | LANDSCAPE PLAN: NORTH |
| L101 | LANDSCAPE PLAN: SOUTH |
| | |

CERTIFICATIONS



PROJECT NUMBER:

16-1212

PROJECT NAME:

**SANCTUARY AND
EDUCATION ADDITION**

SHEET TITLE:

COVER SHEET

ENGINEER:

hbk

ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

**IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328**

WWW.HBKENGINEERING.COM

**FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317**

ARCHITECT:

**MARTIN GARDNER
ARCHITECTURE
700 11TH STRET, SUITE 200
MARION, IA 52302
(319) 377-7604**

CONTRACTOR:

**MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404**

FOLDER NAME:

DECEMBER 13, 2016

DRAWING LOG

[illegible]

PROJECT MANAGER:

MICHAEL J. WELCH

SHEET:

C000

PARKING AND SITE CALCULATIONS:

| | |
|-------------------|----------------------------------|
| CODE REQUIREMENTS | |
| PLACE OF WORSHIP | 1 / 10 SEATS |
| SCHOOL | 3.5 / ASSEMBLY SEAT+ 1 PER STAFF |
| WAREHOUSE | 1 SPACE/1000 SF |
| COMMUNITY SERVICE | 1 SPACE/300 SF |

| | |
|-----------------------------------|-----------|
| PROPOSED USE | |
| PLACE OF WORSHIP (486 SEATS) | 49 STALLS |
| STORAGE BUILDING (1940 SF) | 2 STALLS |
| PANTRY BUILDING (2394 SF) | 8 STALLS |
| CLASSROOMS (30 STAFF WEEKDAY MAX) | 30 STALLS |
| TOTAL | 89 STALLS |

| | |
|---------------------|------------|
| PROVIDED | |
| STANDARD STALLS | 130 STALLS |
| COMPACT STALLS | 18 STALLS |
| HANDICAP ACCESSIBLE | 11 STALLS |
| TOTAL | 141 STALLS |

| | |
|-----------------------------|------------|
| IMPERVIOUS AREA CALCULATION | |
| PROPERTY AREA PER DEED | 441,225 SF |
| RIGHT-OF-WAY | -29,406 SF |
| DEVELOPABLE PROPERTY AREA * | 414,719 SF |

| | |
|------------------|------------|
| IMPERVIOUS AREAS | |
| CHURCH BUILDING | 29,614 SF |
| PANTRY BUILDING | 2,394 SF |
| STORAGE BUILDING | 1,940 SF |
| PAVEMENT | 81,710 SF |
| TOTAL | 115,658 SF |

PERCENT IMPERVIOUS 27.9 %

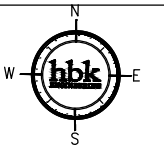
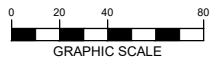
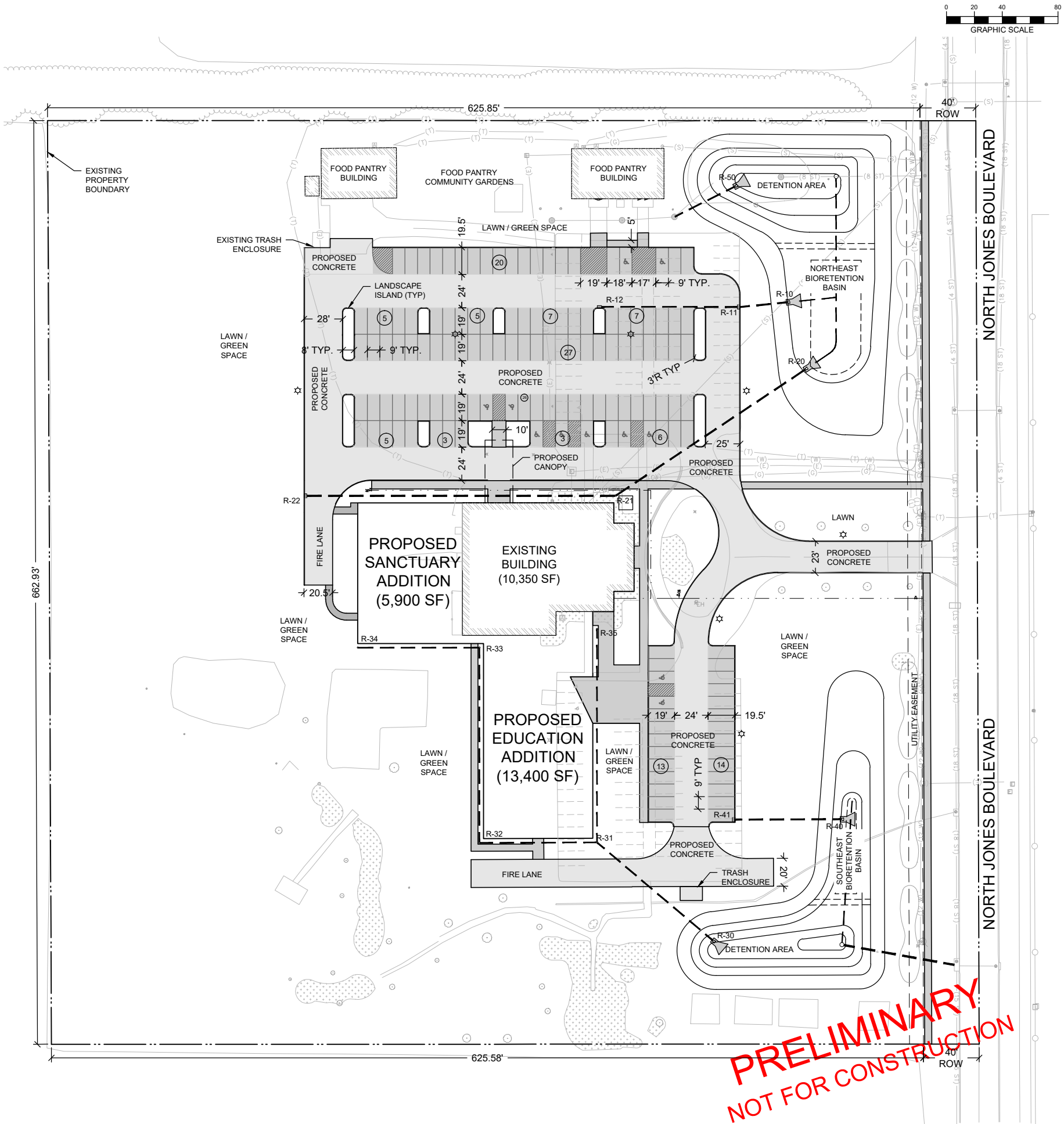
* EXCLUDES AREAS WITHIN THE NORTH JONES BOULEVARD RIGHT OF WAY

NOTES:

- ALL NEW AND EXISTING DRIVES AND FIRE LANES WILL SUPPORT 75,000 LBS.
- ALL DRIVE AISLES SHALL BE 7" PCC PAVEMENT AND PARKING STALLS SHALL BE 5" PCC PAVEMENT.
- ALL DIMENSIONS ARE TO BACK OF CURB OR EDGE OF SLAB.
- SIDEWALK ALONG JONES BOULEVARD AND CONNECTING WALK WILL BE CONSTRUCTED AT A LATER DATE AS AGREED UPON BY THE OWNER AND CITY OF NORTH LIBERTY.

LEGEND:

| | | | |
|------------------------|-----------|-------------------------------|---|
| PROPOSED STORM SEWER | --- | PROPOSED STORM SEWER INTAKE | ■ |
| PROPOSED WATER MAIN | - - - - - | PROPOSED STORM SEWER CLEANOUT | ○ |
| PROPOSED 7" PCC | ▬ | PROPOSED HYDRANT | ⋈ |
| PROPOSED 5" PCC | ▬ | PROPOSED WATER VALVE | ⋈ |
| PROPOSED CONCRETE WALK | ▬ | PROPOSED LIGHT POLE | ☆ |
| | | PARKING STALL COUNT | ⑤ |



PROJECT NUMBER:

16-1212

PROJECT NAME:

SANCTUARY AND
EDUCATION ADDITION

SHEET TITLE:

OVERALL
SITE PLAN

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328

WWW.HBKENGINEERING.COM

OWNER:

FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:

MARTIN GARDNER
ARCHITECTURE
700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604

CONTRACTOR:

MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

DATE CREATED:

DECEMBER 13, 2016

DRAWING LOG

| DATE | ISSUED FOR | DR | CB |
|----------|------------------|-----|-----|
| 12/13/16 | DESIGN | MJW | BAB |
| 12/20/16 | OWNER REVIEW | MJW | BAB |
| 12/30/16 | OWNER REVIEW | MJW | BAB |
| 01/06/17 | SITE REVISIONS | MJW | BAB |
| 01/31/17 | CITY SUBMITTAL | MJW | BAB |
| 04/03/17 | CITY RESUBMITTAL | JDP | MJW |
| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:

MICHAEL J. WELCH

SHEET:

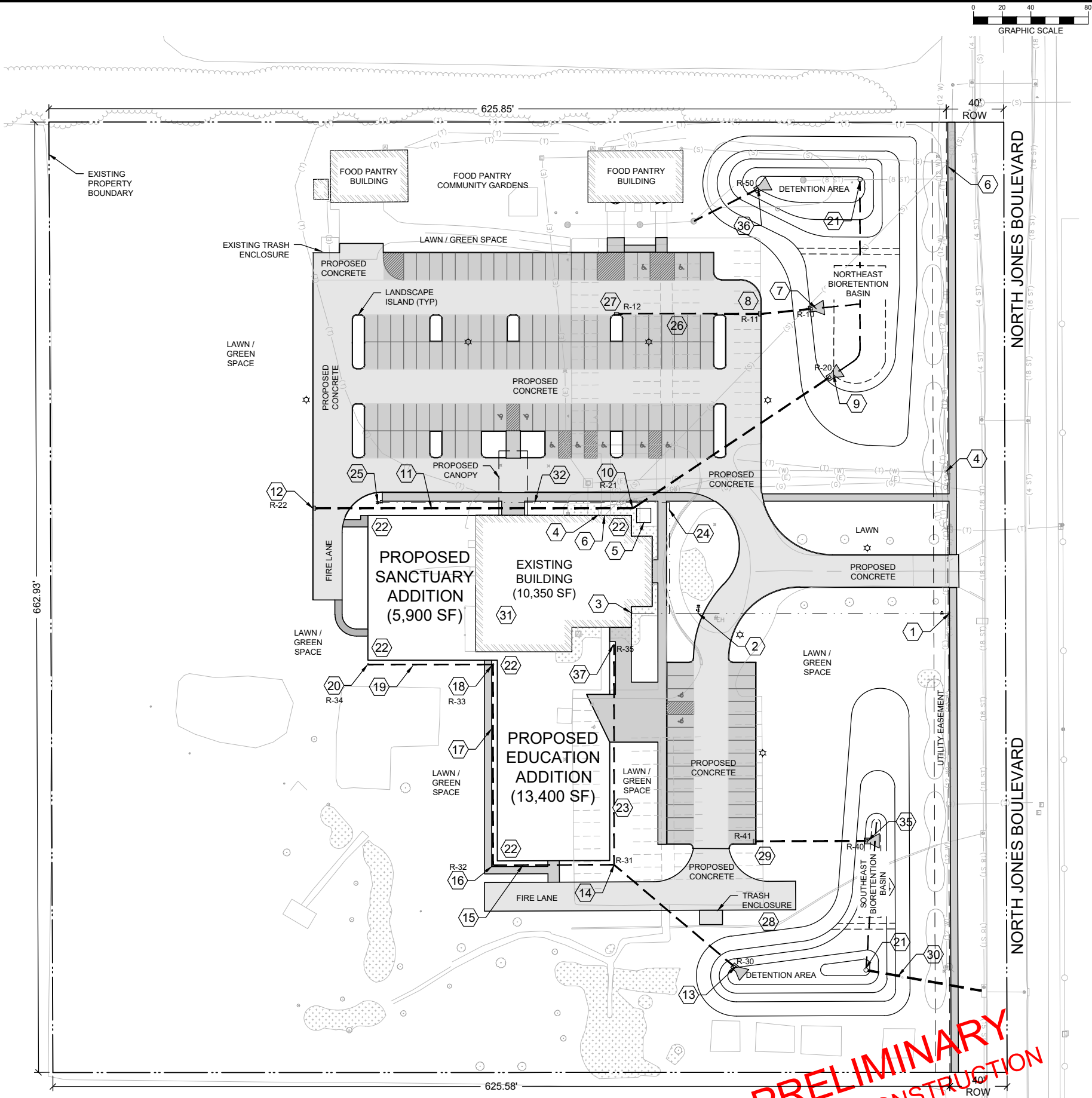
C200

UTILITY PLAN KEY NOTES:

- 1
- INSTALL 221 LF 6" C900 PVC WATER SERVICE. CONNECT TO EXISTING 12" MAIN WITH TAPPING VALVE. PROVIDE 6" GATE VALVE WITHIN 10' OF CONNECTION. USE MJ FITTINGS. VERIFY WITH PLUMBING PLAN.
- 2
- PROVIDE HYDRANT ASSEMBLY, 6 LF 6" PVC, AND 6"x6" TEE. USE MJ FITTINGS
- 3
- FDC CONNECTION. STROBE AND ALARM TO BE ON EAST BUILDING ELEVATION. SEE PLUMBING PLAN FOR DETAILED LOCATION.
- 4
- EXISTING WATER SERVICE TO REMAIN. VERIFY WITH PLUMBING PLAN.
- 5
- LOCATION OF PROPOSED 8' x 8' ELECTRIC TRANSFORMER AND SERVICE. SEE ELECTRICAL PLAN FOR DETAILS ON TRANSFORMER AND PAD. COORDINATE WITH UTILITY COMPANY FOR LOCATION OF PRIMARY ELECTRICAL ROUTING.
- 6
- EXISTING SANITARY SEWER TO REMAIN. VERIFY WITH PLUMBING PLAN. CONTRACTOR TO DETERMINE DEPTH OF SANITARY LINE WITHIN DETENTION BASIN PRIOR TO GRADING. NOTIFY ENGINEER IF LESS THAN 5' OF SEPARATION BETWEEN SANITARY AND PROPOSED GRADE.
- 7
- INSTALL 38 LF OF 15" RCP STORM SEWER @ 0.75%, UPSTREAM INVERT = 788.79 DOWNSTREAM INVERT = 788.50. PROVIDE FLARED END SECTION (STRUCTURE R-10)
- 8
- INSTALL 24" NYLOPLAST DRAIN BASIN WITH CURB INTAKE (STRUCTURE R-11)
FORM GRADE = 791.21, 15" IE = 788.79 W, 15" IE = 788.79 E
- 9
- INSTALL 168 LF OF 15" HDPE STORM SEWER @ 0.15%, UPSTREAM INVERT = 788.75, DOWNSTREAM INVERT = 788.50. PROVIDE FLARED END SECTION (STRUCTURE R-20)
- 10
- INSTALL 8" CLEANOUT (STRUCTURE R-21), FORM GRADE = 795.00, 8" IE = 788.75 NE, W
- 11
- INSTALL 222 LF OF 15" HDPE STORM SEWER @ 0.75%, UPSTREAM INVERT = 789.08, DOWNSTREAM INVERT = 788.75
- 12
- INSTALL NYLOPLAST DRAIN BASIN WITH CURB INTAKE (STRUCTURE R-22), FORM GRADE = 792.88, 15" IE = 789.09 E
- 13
- INSTALL 111 LF OF 10" HDPE STORM SEWER @ 0.75%, UPSTREAM INVERT = 790.58, DOWNSTREAM INVERT = 789.75. PROVIDE FLARED END SECTION (STRUCTURE R-30)
- 14
- INSTALL 8" CLEANOUT (STRUCTURE R-31), FORM GRADE = 795.00, 10" IE = 790.58 SE, 8" IE = 790.72 W, 8" IE = 790.72 N
- 15
- INSTALL 84 LF OF 8" HDPE STORM SEWER @ 0.75%, UPSTREAM INVERT = 791.35, DOWNSTREAM INVERT = 790.72
- 16
- INSTALL 8" CLEANOUT (STRUCTURE R-32), FORM GRADE = 795.00, 8" IE = 791.35 N, E
- 17
- INSTALL 140 LF OF 8" HDPE STORM SEWER @ 0.75%, UPSTREAM INVERT = 792.40, DOWNSTREAM INVERT = 791.35
- 18
- INSTALL 8" CLEANOUT (STRUCTURE R-33), FORM GRADE = 795.00, 8" IE = 792.40 W, S
- 19
- INSTALL 87 LF OF 8" HDPE STORM SEWER @ 0.75%, UPSTREAM INVERT = 793.05, DOWNSTREAM INVERT = 792.40
- 20
- INSTALL 8" CLEANOUT (STRUCTURE R-34), FORM GRADE = 795.00, 8" IE = 793.05 E
- 21
- INSTALL 30"Ø CONCRETE OUTLET STRUCTURE. REFER TO POND DETAILS.
- 22
- TIE IN ROOF DRAINS TO STORM SEWER
- 23
- INSTALL 152 LF OF 8" HDPE STORM SEWER @ 0.75%, UPSTREAM INVERT = 791.86, DOWNSTREAM INVERT = 790.72
- 24
- INSTALL 78 LF 6" C900 PVC WATER SERVICE. CONNECT TO MAIN 6" SERVICE LINE WITH 6"x6"x6" TEE. ATTACH 90° ELBOW TO END FOR CONNECTION TO WEST. USE MJ FITTINGS. VERIFY WITH PLUMBING PLAN.
- 25
- PROVIDE HYDRANT ASSEMBLY ON END OF LINE. USE MJ FITTINGS.
- 26
- INSTALL 68 LF OF 15" RCP STORM SEWER @ 0.50%, UPSTREAM INVERT = 789.12, DOWNSTREAM INVERT = 788.79.
- 27
- INSTALL NYLOPLAST DRAIN BASIN WITH CURB INTAKE (STRUCTURE R-12), FORM GRADE = 791.35, 15" IE = 788.81 E
- 28
- INSTALL 78 LF OF 12" HDPE STORM SEWER @ 0.50%, UPSTREAM INVERT = 791.19, DOWNSTREAM INVERT = 790.80. PROVIDE FLARED END SECTION (STRUCTURE R-40)
- 29
- INSTALL 24" NYLOPLAST DRAIN BASIN WITH CURB INTAKE (STRUCTURE R-41), FORM GRADE = 792.67, 12" IE = 790.89 E
- 30
- INSTALL 80 LF OF 15" RCP STORM SEWER @ 0.50%. CONNECT TO EXISTING INTAKE. UPSTREAM INVERT= 787.25, DOWNSTREAM INVERT=786.85
- 31
- MECHANICAL EQUIPMENT TO BE ON ROOF AND SCREENED FROM VIEW.
- 32
- INSTALL 200 LF 6" C900 PVC WATER SERVICE. USE MJ FITTINGS. VERIFY WITH PLUMBING PLAN.
- 33
- INSTALL 204 LF OF 4" HDPE SUBDRAIN @ MINIMUM OF 0.50%. PROVIDE NYLOPLAST INLINE DRAINS AT LOCATIONS SHOWN. REFER TO POND DETAILS.
- 34
- INSTALL 104 LF OF 4" HDPE SUBDRAIN @ MINIMUM OF 0.50%. PROVIDE NYLOPLAST INLINE DRAINS AT LOCATIONS SHOWN. REFER TO POND DETAILS.
- 35
- INSTALL 78 LF OF 12" HDPE STORM SEWER @ 0.50%. UPSTREAM INVERT = 790.89, DOWNSTREAM INVERT = 790.50. PROVIDE FLARED END SECTION (STRUCTURE R-40)
- 36
- INSTALL 51 LF OF 10" HDPE STORM SEWER @ 3.30%, UPSTREAM INVERT = 787.68, DOWNSTREAM INVERT = 786.00. REMOVE EXISTING 10" PIPE FROM EXISTING INTAKE. PROVIDE FLARED END SECTION (STRUCTURE R-50)
- 37
- INSTALL 8" CLEANOUT (STRUCTURE R-35), FORM GRADE = 795.40, 8" IE = 791.86 E

LEGEND:

| | | | |
|------------------------|--|-------------------------------|--|
| PROPOSED STORM SEWER | | PROPOSED STORM SEWER INTAKE | |
| PROPOSED WATER MAIN | | PROPOSED STORM SEWER CLEANOUT | |
| PROPOSED 7" PCC | | PROPOSED HYDRANT | |
| PROPOSED 5" PCC | | PROPOSED WATER VALVE | |
| PROPOSED CONCRETE WALK | | PROPOSED LIGHT POLE | |



PROJECT NUMBER:
16-1212

PROJECT NAME:
**SANCTUARY AND
EDUCATION ADDITION**

SHEET TITLE:
UTILITY PLAN

ENGINEER:
**hbk
ENGINEERING**
HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937
**IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328**
WWW.HBKENGINEERING.COM

OWNER:
**FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY**
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:
**MARTIN GARDNER
ARCHITECTURE**
700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604

CONTRACTOR:
**MERIT CONSTRUCTION
COMPANY**
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

DATE CREATED:
DECEMBER 13, 2016

DRAWING LOG

| DATE | ISSUED FOR | DR | CB |
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| 12/13/16 | DESIGN | MJW | BAB |
| 12/20/16 | OWNER REVIEW | MJW | BAB |
| 12/30/16 | OWNER REVIEW | MJW | BAB |
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| 04/03/17 | CITY RESUBMITTAL | JDP | MJW |
| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:
MICHAEL J. WELCH

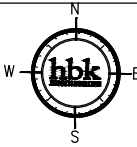
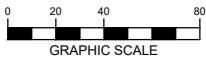
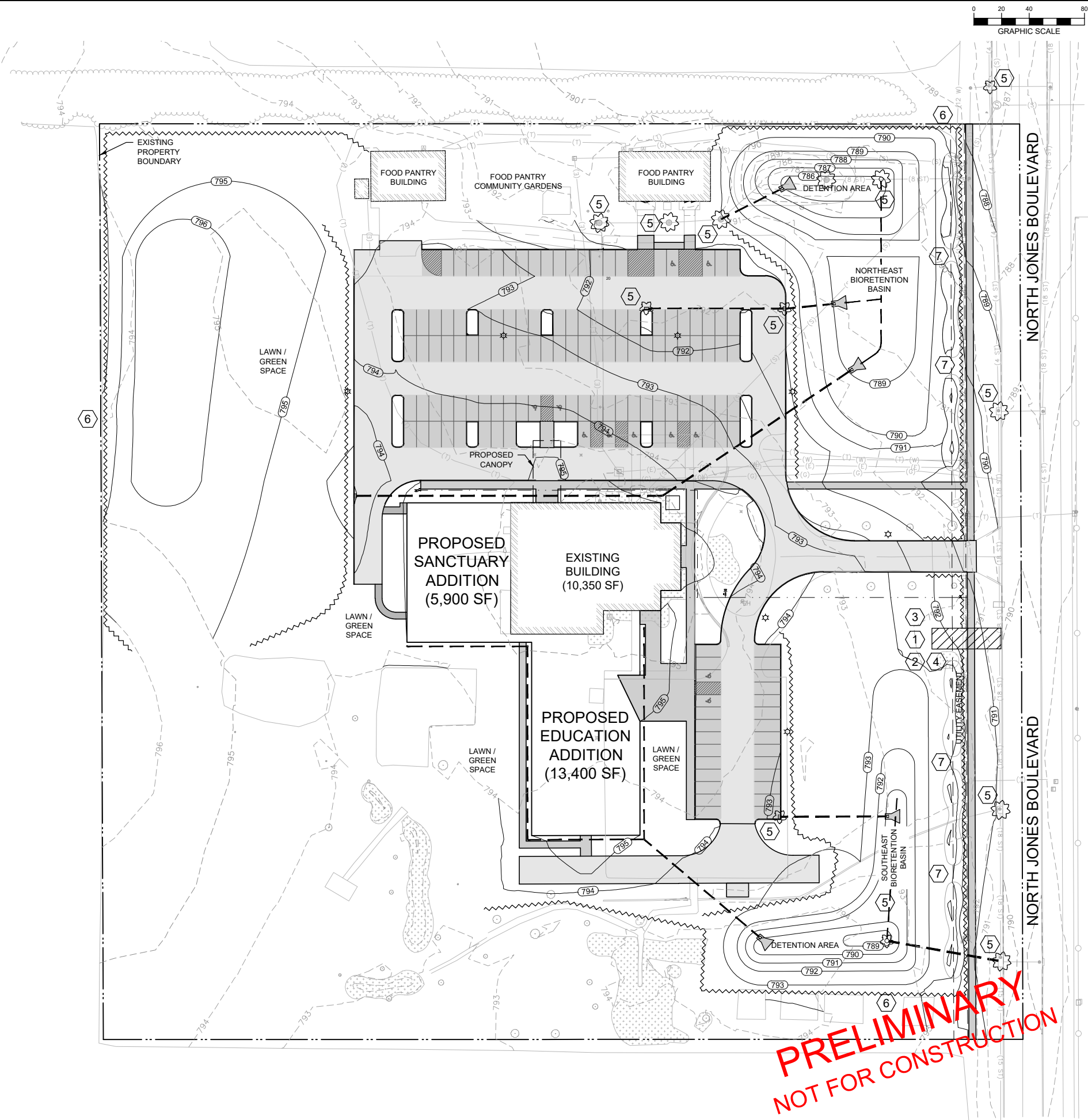
SHEET:
C210

GRADING AND EROSION CONTROL PLAN KEY NOTES:

- 1 INSTALL STABILIZED CONSTRUCTION ENTRANCE
- 2 PROVIDE SANITATION FACILITY (PORTABLE RESTROOM)
- 3 PROVIDE CONCRETE WASHOUT
- 4 PROVIDE ENCLOSURE FOR STORAGE OF DOCUMENTS (PERMITS, SWPPP, INSPECTION FORMS, ETC.)
- 5 PROVIDE INLET PROTECTION PRIOR TO GRADING ACTIVITIES. MAINTAIN THROUGHOUT CONSTRUCTION. REMOVE UPON FINAL STABILIZATION.
- 6 INSTALL PERIMETER MEASURES PRIOR TO STARTING CONSTRUCTION.
- 7 PROVIDE UNDULATING BERMS BETWEEN SIDEWALK AND BASIN. BERMS TO BE MINIMUM OF 12" AND MAXIMUM OF 30" ABOVE BACK OF WALK. SLOPES TO BE MOWABLE.

LEGEND:

PROPOSED STORM SEWER
PROPOSED SILT FENCE / FILTER SOCK



PROJECT NUMBER:

16-1212

PROJECT NAME:

SANCTUARY AND
EDUCATION ADDITION

SHEET TITLE:

OVERALL GRADING AND
EROSION CONTROL PLAN

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328

WWW.HBKENGINEERING.COM

OWNER:

FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:

MARTIN GARDNER
ARCHITECTURE
700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604

CONTRACTOR:

MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

DATE CREATED:

DECEMBER 13, 2016

DRAWING LOG

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| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:

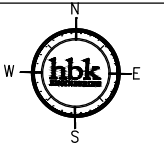
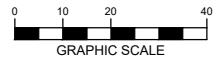
MICHAEL J. WELCH

SHEET:

C220

NOTES:

- ALL CURB TAPERS TO BE PER SUDAS DETAIL 7/C910.
- ALL NEW AND EXISTING DRIVES AND FIRE LANES WILL SUPPORT 75,000 LBS.
- ALL DRIVE AISLES SHALL BE 7" PCC PAVEMENT AND PARKING STALLS SHALL BE 5" PCC PAVEMENT.



PROJECT NUMBER:
16-1212

PROJECT NAME:
**SANCTUARY AND
EDUCATION ADDITION**

SHEET TITLE:
**DETAILED GRADING
PLAN:
NORTH**

ENGINEER:
**hbk
ENGINEERING**
HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
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IOWA DEPARTMENT
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NO. 00527328
WWW.HBKENGINEERING.COM

OWNER:
**FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317**

ARCHITECT:
**MARTIN GARDNER
ARCHITECTURE
700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604**

CONTRACTOR:
**MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404**

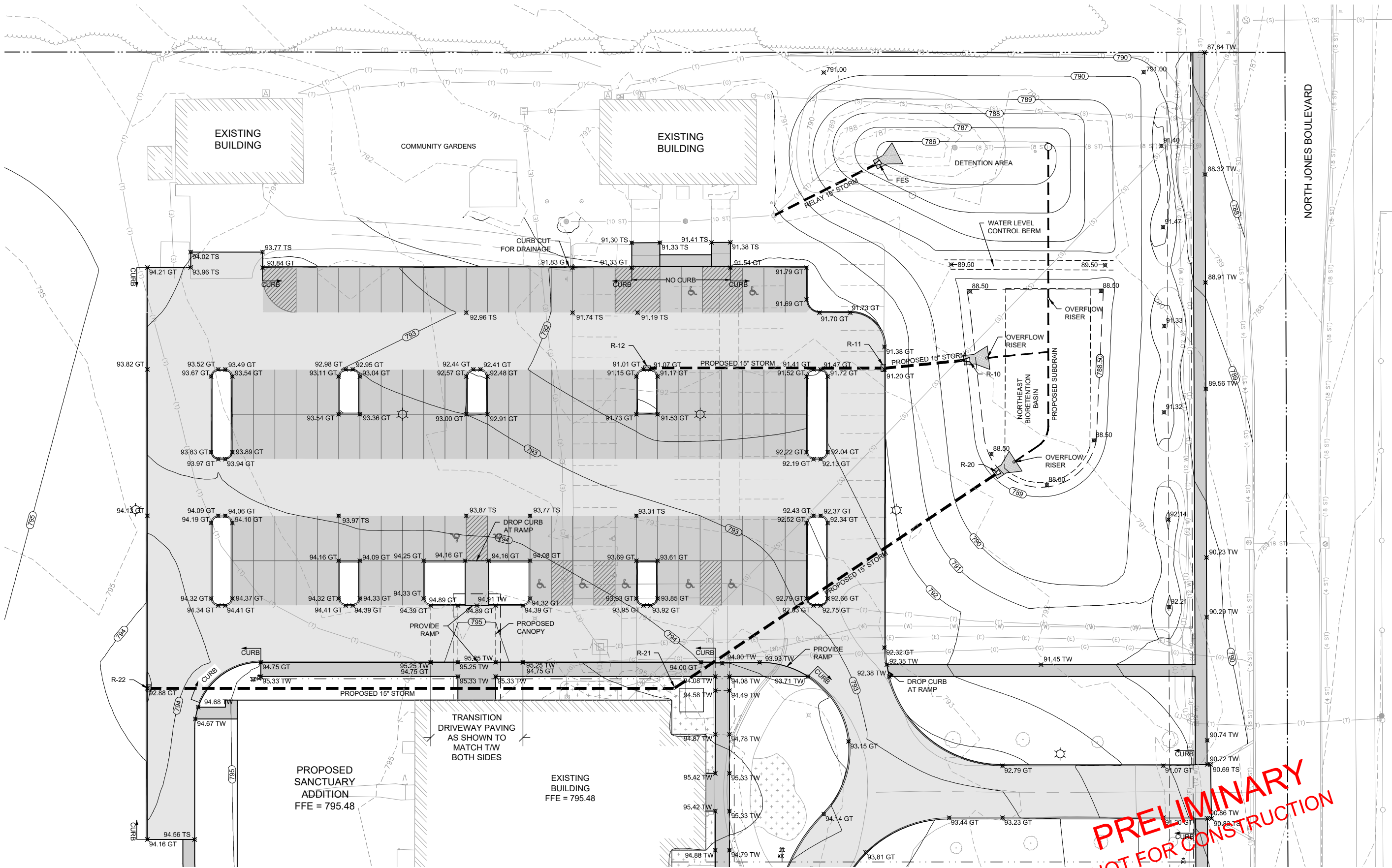
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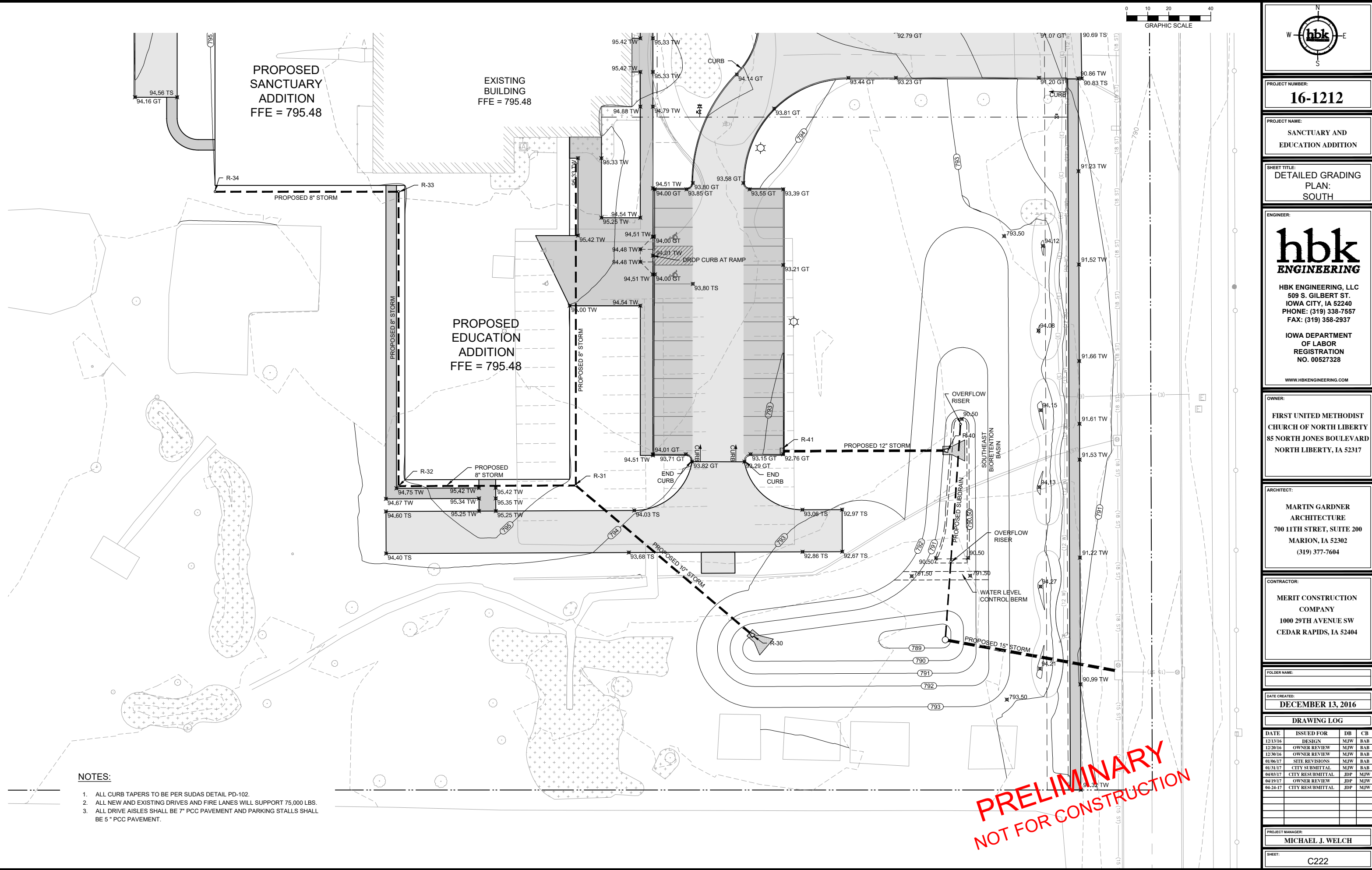
DATE CREATED:
DECEMBER 13, 2016

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PROJECT MANAGER:
MICHAEL J. WELCH

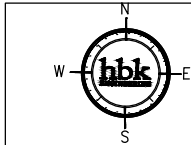
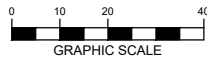
SHEET:
C221





NOTES:

1. ALL CURB TAPERS TO BE PER SUDAS DETAIL PD-102.
2. ALL NEW AND EXISTING DRIVES AND FIRE LANES WILL SUPPORT 75,000 LBS.
3. ALL DRIVE AISLES SHALL BE 7" PCC PAVEMENT AND PARKING STALLS SHALL BE 5" PCC PAVEMENT.



PROJECT NUMBER:

16-1212

PROJECT NAME:

SANCTUARY AND
EDUCATION ADDITION

SHEET TITLE:

DETAILED GRADING
PLAN:
SOUTH

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328

WWW.HBKENGINEERING.COM

OWNER:

FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:

MARTIN GARDNER
ARCHITECTURE
700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604

CONTRACTOR:

MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

DATE CREATED:

DECEMBER 13, 2016

DRAWING LOG

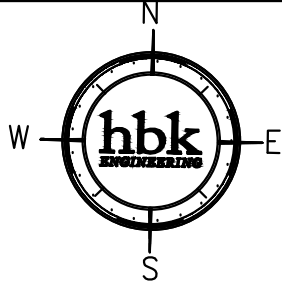
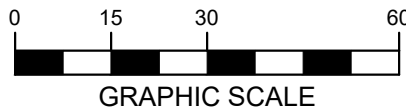
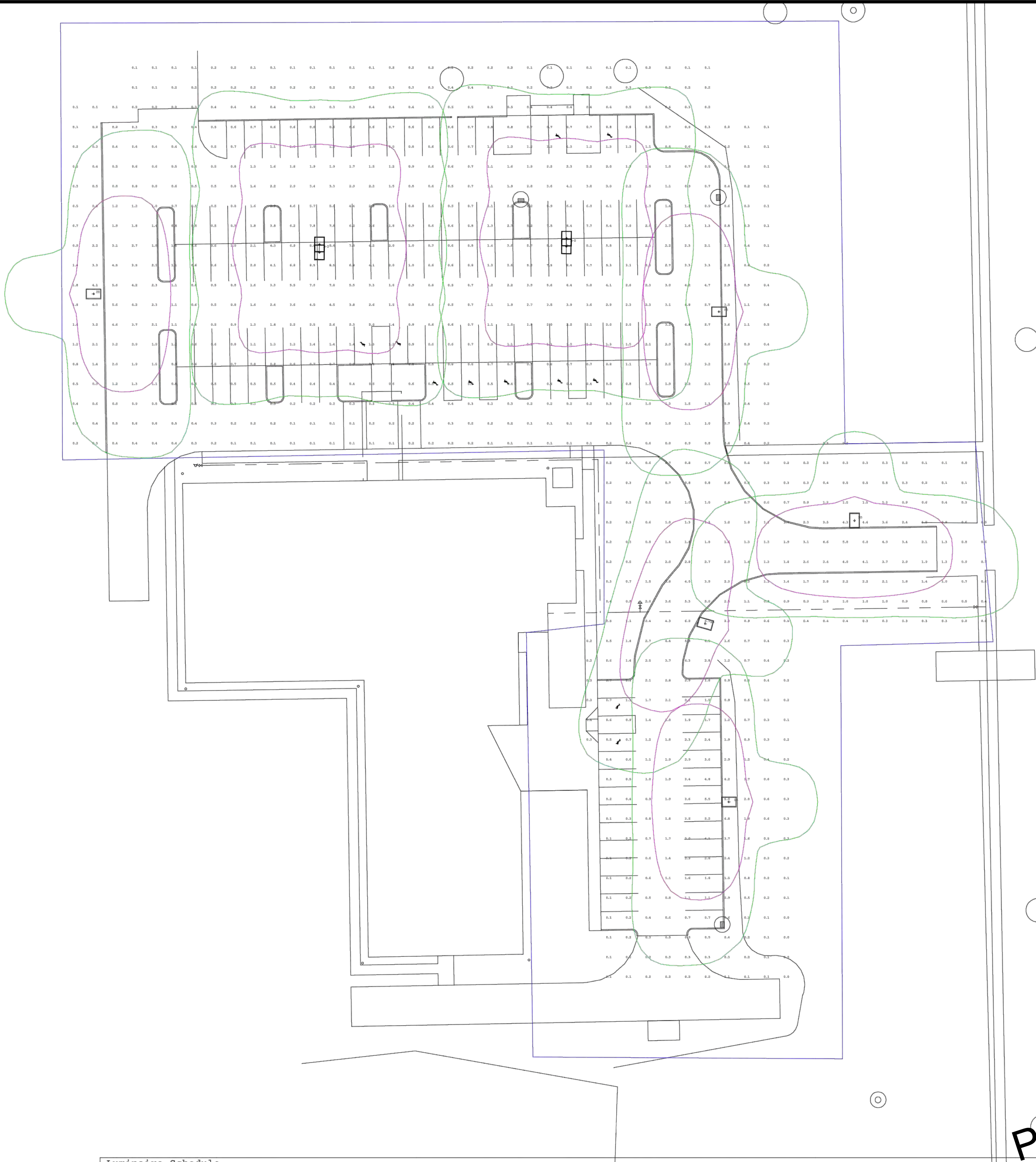
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| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:

MICHAEL J. WELCH

SHEET:

C222



PROJECT NUMBER:
16-1212

PROJECT NAME:
**SANCTUARY AND
EDUCATION ADDITION**

SHEET TITLE:
**PHOTOMETRIC
PLAN**

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

IOWA DEPARTMENT
OF LABOR
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WWW.HBKENGINEERING.COM

OWNER:

**FIRST UNITED METHODIST
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85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:

**MARTIN GARDNER
ARCHITECTURE**
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MARION, IA 52302
(319) 377-7604

CONTRACTOR:

**MERIT CONSTRUCTION
COMPANY**
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

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| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:
MICHAEL J. WELCH

SHEET:
C300

| Luminaire Schedule | | | | | | |
|--------------------|-----|-------|-------------|-------------------|-------|------------------|
| Symbol | Qty | Label | Arrangement | Total Lamp Lumens | LLF | Description |
| | 2 | B-2 | BACK-BACK | N.A. | 1.000 | ASL-24L-5K-210-4 |
| | 5 | BB | SINGLE | N.A. | 0.900 | ASL-24L-5K-210-3 |

PRELIMINARY
NOT FOR CONSTRUCTION

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) & THE CITY'S SUPPLEMENT REQUIREMENTS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- THE LOCATIONS OF UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS PLOTTED ON THIS DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM PLANS OF RECORD. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS NOT KNOWN AND MAY NOT SHOWN ON THIS DRAWING.
- NOTIFY UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN CONSTRUCTION LIMITS OF THE SCHEDULE PRIOR TO EACH STAGE OF CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION.
- IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE-CALL 1-800-292-8989, NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.
- NOTIFY THE APPROPRIATE GOVERNING AUTHORITY 48 - 72 HOURS PRIOR TO BEGINNING CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY. THE CITY OF SHALL BE THE PUBLIC AGENCY RESPONSIBLE FOR INSPECTION DURING CONSTRUCTION OF THE PUBLIC PORTIONS OF THE PROJECT.
- NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER OR OWNER'S REPRESENTATIVE.
- PROVIDE TRAFFIC AND PEDESTRIAN CONTROL MEASURES (SIGNS, BARRICADES, FLAGGERS, ETC.) IN COMPLIANCE WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
- ADJUST ALL VALVES, MANHOLES, CASTINGS, GAS VENTS, ETC., TO MATCH THE NEW SURFACE. ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO THE CONSTRUCTION. AT NO ADDITIONAL COST TO THE OWNER, REPAIR ANY DAMAGE TO SAID STRUCTURES AND APPURTENANCES THAT OCCUR DURING CONSTRUCTION.
- REPLACE ANY PROPERTY MONUMENTS REMOVED OR DESTROYED BY CONSTRUCTION. MONUMENTS SHALL BE SET BY A LAND SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF IOWA.

GRADING NOTES

- STRIP EXISTING VEGETATION WITHIN THE GRADING LIMITS AND AREAS TO RECEIVE FILL. STOCKPILE ON-SITE FOR REUSE IF SUITABLE.
- PROOF ROLL ALL FILL AREAS TO IDENTIFY SOFT OR DISTURBED AREAS IN THE SUBGRADE. ALL UNSUITABLE MATERIAL IDENTIFIED SHALL BE REMOVED AND RECOMPACTED. PROOFROLL WITH 25 TON MINIMUM GROSS VEHICLE WEIGHT.
- REMOVE AND RECOMPACT AREAS OF SUBGRADE WHICH ARE SOFT OR UNSTABLE TO MEET SPECIFIED LIMITS FOR DENSITY AND MOISTURE CONTENT.
- SCARIFY EXISTING SUBGRADE TO A DEPTH OF 12 INCHES AND RECOMPACT TO 98% OF STANDARD PROCTOR DENSITY (ASTM D698) PRIOR TO PLACEMENT OF FILL.
- DO NOT PLACE, SPREAD, OR COMPACT ANY FILL MATERIAL DURING UNFAVORABLE WEATHER CONDITIONS AND DO NOT RESUME COMPACTION OPERATIONS UNTIL MOISTURE CONTENT AND DENSITY OF IN-PLACE FILL MATERIAL ARE WITHIN SPECIFIED LIMITS.
- PLACE FILL MATERIAL IN 9" MAXIMUM LIFTS.
- FILLS PLACED BELOW LAWN AREAS SHALL BE COMPACTED TO 90% OF MATERIALS MAXIMUM STANDARD PROCTOR DRY DENSITY (ASTM D698).
- SCARIFY SUBGRADE TO DEPTH OF 3 INCHES WHERE TOPSOIL IS SCHEDULED. SCARIFY AREAS WHERE EQUIPMENT USED FOR HAULING AND SPREADING TOPSOIL HAS CAUSED COMPACTED SUBSOIL.
- FILL MATERIAL OBTAINED FROM OFF-SITE SOURCES SHALL BE SOIL OR SOIL AND ROCK MIXTURE FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES. IT SHALL CONTAIN NO ROCKS OR LUMPS OF 6 INCHES IN GREATEST DIMENSION AND NOT MORE THAN 15% OF THE ROCKS OR LUMPS SHALL BE LARGER THAN 2-1/2 INCHES IN GREATEST DIMENSION.
- SCARIFY AND RECOMPACT THE TOP 9" OF SUBGRADE IN ALL CUT AREAS AFTER GRADE GRADING IS COMPLETED. COMPACT THE ENTIRE PAVING SUBGRADE TO 98% STANDARD PROCTOR DRY DENSITY TO WITHIN 1.0" OF FINAL SUBGRADE. THE FINAL 1.0" OF FILL TO BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D698).
- IN AREAS TO RECEIVE ADDITIONAL FILL OVER EXISTING FILL MATERIALS, REMOVE TOP 12" OF MATERIAL AND SCARIFY AND RECOMPACT THE NEXT 9" OF RESULTING SUBGRADE. COMPACT RESULTING SUBGRADE TO 98% STANDARD PROCTOR DRY DENSITY. SUBSEQUENT FILL TO BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY TO WITHIN 1.0" OF FINAL SUBGRADE. THE FINAL 1.0" OF FILL TO BE COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D698).
- FINISH CONTOURS SHOWN ARE TO TOP OF FINISHED GRADE OR TO TOP OF TOPSOIL.

EROSION CONTROL NOTES

- THE CONTRACTOR SHALL PROVIDE TEMPORARY EROSION CONTROL, SEDIMENT, AND DUST CONTROL IN ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT'S STORM WATER POLLUTION PREVENTION PLAN AND THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS), UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL INCORPORATE ALL EROSION CONTROL FEATURES INTO THE PROJECT PRIOR TO DISTURBING THE SOIL.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSPECT THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES A MINIMUM OF ONCE PER WEEK AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 1/2" OR MORE. IF A CONTROL MEASURE HAS BEEN REDUCED IN CAPACITY BY 50% OR MORE, THE CONTRACTOR SHALL RESTORE SUCH FEATURES TO THEIR ORIGINAL CONDITION IMMEDIATELY, WEATHER PERMITTING.
- ERECT SILT FENCE AS SHOWN ON THE PLANS TO LIMIT LOSS OF MATERIAL FROM THE SITE. DEVICES TO REMAIN IN PLACE AND TO BE MAINTAINED UNTIL A PERMANENT GROUND COVER IS ESTABLISHED.
- MINIMIZE SOIL EROSION BY MAINTAINING ALL EXISTING VEGETATIVE GROWTH WITHIN THE GRADING LIMITS FOR AS LONG AS PRACTICAL.
- INSTALL A SILT FENCE AROUND ALL STOCKPILED TOPSOIL.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY SEEDING FOR ALL AREAS THAT ARE DISTURBED AND OPERATIONS WILL NOT COMMENCE OR PERMANENT SEEDING WILL NOT BE COMPLETED IN LESS THAN 14 DAYS.
- SEQUENCE OF EROSION AND SEDIMENT CONTROL EVENTS:
 - INSTALL INLET PROTECTION AROUND EXISTING INTAKES AS INDICATED ON THE SITE CONSTRUCTION PLAN. USE THESE LOW AREAS AS SEDIMENT BASINS DURING CONSTRUCTION.
 - INSTALL PERIMETER SILT FENCE AS INDICATED ON THE SITE CONSTRUCTION PLAN.
 - INSTALL SILT FENCE AROUND ANY TOPSOIL OR EXCESS SOIL STOCKPILES. APPLY TEMPORARY SEEDING TO ALL TOPSOIL OR EXCESS SOIL STOCKPILES.
 - INSTALL STONE SUBBASE ON STREET AREAS FOLLOWING COMPLETION OF GRADING.
 - APPLY TEMPORARY SEEDING TO ALL DENUDED AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR 14 DAYS OR MORE. FERTILIZE AND LIME IF NEEDED. APPLY MULCH ON SLOPES GREATER THAN 4:1 (HORIZONTAL:VERTICAL).
 - DESTROY TEMPORARY SEEDING AND APPLY PERMANENT SEEDING TO ALL DISTURBED AREAS NOT TO BE HARD SURFACED. FERTILIZE AND MULCH PERMANENT SEEDINGS AS REQUIRED. APPLY MULCH AT 1.5 TO 2.0 TONS PER ACRE ON SLOPES GREATER THAN 4:1.
 - WHEN CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED WITH PERMANENT SEEDING, REMOVE ACCUMULATED SEDIMENT FROM ANY SEDIMENT BASINS, REMOVE SILT FENCE AND RESEED ANY AREAS DISTURBED BY THE REMOVALS.

STORMWATER POLLUTION PREVENTION:

THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON THE CONSTRUCTION SITE AT ALL TIMES FROM THE DATE CONSTRUCTION ACTIVITIES BEGIN TO THE DATE OF FINAL STABILIZATION. THE CONTRACTOR SHALL MAINTAIN THE SWPPP PER THE REQUIREMENTS OF GENERAL PERMIT NO. 2. ALL OPERATORS/CONTRACTORS WORKING ON-SITE MUST SIGN THE CERTIFICATION STATEMENT PROVIDED AND WILL BECOME CO-PERMITTEES ON THE NPDES GENERAL PERMIT NO. 2 FOR THIS SITE. ALL OPERATORS/SUBCONTRACTORS WORKING ON-SITE SHALL BE SUPPLIED A COPY OF THE SWPPP BY THE CONTRACTOR AND MUST BE FAMILIAR WITH ITS CONTENTS. THE SWPPP MUST BE PERIODICALLY UPDATED TO SHOW CURRENT EROSION CONTROL PRACTICES PER THE REQUIREMENTS OF THE GENERAL PERMIT #2. UPDATED VERSIONS OF THE SWPPP WILL BE PROVIDED TO ALL OF THE OPERATORS/SUBCONTRACTORS WHO ARE AFFECTED BY THE CHANGES MADE TO THE SWPPP. IT WILL BE THE DUTY OF THE CONTRACTOR TO SEE THAT THESE REQUIREMENTS ARE MET.

SITE PREPARATION NOTES

- PROTECT ADJACENT PROPERTY DURING DEMOLITION.
- DEMOLITION LIMIT LINE IS THE EXISTING PROPERTY LINE UNLESS NOTED OTHERWISE.
- MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
- PROVIDE WASTE AREAS OR DISPOSAL SITES FOR EXCESS MATERIAL (EXCAVATED MATERIAL OR BROKEN CONCRETE) WHICH IS NOT DESIRABLE TO BE INCORPORATED INTO THE WORK INVOLVED ON THIS PROJECT. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR MATERIAL HAULED TO THESE SITES. NO MATERIAL SHALL BE PLACED WITHIN THE EASEMENTS, UNLESS SPECIFICALLY STATED IN THE PLANS OR APPROVED BY THE ENGINEER. DISPOSAL SITES MUST BE APPROVED BY THE ENGINEER. CONTRACTOR SHALL APPLY NECESSARY MOISTURE TO THE CONSTRUCTION AREA AND TEMPORARY HAUL ROADS TO PREVENT THE SPREAD OF DUST. OFF-SITE DISPOSAL SHALL BE IN ACCORDANCE WITH THE APPLICABLE GOVERNMENTAL REGULATIONS.
- KEEP ADJACENT PUBLIC STREETS FREE FROM SOIL AND DEBRIS GENERATED BY THE PROJECT. CLEAN SOIL AND DEBRIS FROM THE ADJACENT STREETS ON A DAILY BASIS.
- DURING CONSTRUCTION, CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS.
- REMOVAL OR ABANDONMENT OF PUBLIC UTILITIES SHALL BE FULLY COORDINATED WITH APPROPRIATE UTILITY SUPPLIER AND REGULATORY AGENCIES.
- ANY EXISTING FACILITIES (CURBS, PAVEMENT, UTILITIES, ETC.) THAT THE CONTRACTOR'S OPERATIONS DAMAGE SHALL BE REPAIRED BY THAT CONTRACTOR AT HIS/HER COST.
- REMOVE ALL DESIGNATED STREETS, DRIVEWAYS, ETC. IN THEIR ENTIRETY. BACKFILL ALL EXCAVATIONS WITH COHESIVE MATERIAL COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY (ASTM D698).
- WHERE A SECTION OF PAVEMENT, CURB AND GUTTER OR SIDEWALK IS CUT OR OTHERWISE DAMAGED BY THE CONTRACTOR, THE ENTIRE SECTION SHALL BE REMOVED AND REPLACED. PAVEMENT, CURBS, GUTTERS AND SIDEWALKS SHALL BE REMOVED A MINIMUM OF TWO FEET BEYOND THE EDGE OF THE TRENCH CUT AND TO THE NEAREST JOINT.
- SAWCUT EDGES OF PAVEMENT FULL DEPTH PRIOR TO REMOVAL TO PREVENT DAMAGE TO ADJACENT SLABS AND FIXTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING CONCRETE STRUCTURES ON THE SITE AS SHOWN ON THE PLANS. THE REMOVAL INCLUDES DRIVEWAYS, CURB AND GUTTER, SIDEWALK, AND BASEMENT FOUNDATION FOOTINGS, FLOOR AND WALLS. THE REMOVAL ALSO INCLUDES STORM SEWER INTAKES AND PIPE AS SHOWN ON THE PLANS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT TREES AND SHRUBS NOTED ON THE PLANS TO REMAIN IN PROJECT AREA FROM DAMAGE DUE TO CONSTRUCTION ACTIVITY. PROTECTION INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION FENCING AROUND THE DRIP LINE OF TREES AND PROHIBITING VEHICLE TRAFFIC WITHIN THE DRIP LINE OF TREES.
- REMOVAL AND DISPOSAL OF EXISTING TREES AND SHRUBS WITHIN CONSTRUCTION LIMITS SHALL BE INCIDENTAL TO THE GRADING PORTION OF THE PROJECT. STUMPS ARE TO BE GROUND TO TWO FEET BELOW FINISHED GRADE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF A TILE IS ENCOUNTERED AND SHALL INDICATE THE METHOD OF RESOLVING THE CONFLICT. APPROVE THE PROPOSED METHOD. THE LOCATION OF THE FIELD TILE SHALL BE RECORDED ON THE CONSTRUCTION RECORD DOCUMENTS.

EXISTING FIELD TILE LINES ENCOUNTERED IN THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR IN ONE OF THE FOLLOWING WAYS:

 - CONNECT TILE TO THE NEAREST STORM SEWER.

STORM SEWER NOTES

- RCP STORM SEWER SHALL BE CLASS II REINFORCED CONCRETE PIPE (RCP) TO DEPTH OF COVER UP TO 12' CONFORMING TO ASTM C76 OR AASHTO M170.
- RCP STORM SEWER SHALL BE CONSTRUCTED WITH CLASS R-1 BEDDING.
- RCP STORM SEWERS SHALL BE CONSTRUCTED WITH GASKETED PIPE.
- STORM SEWERS UNDER AND WITHIN 5-FT OF CONCRETE PAVING SHALL BE BACKFILLED WITH GRANULAR BACKFILL TO BOTTOM OF SUBGRADE ELEVATION. STORM SEWERS UNDER PVIOUS PAVERS SHALL BE BACKFILLED WITH POROUS BACKFILL TO BOTTOM OF STORAGE AGGREGATE LAYER. STORM SEWERS IN ALL OTHER CONDITIONS SHALL BE BACKFILLED WITH SUITABLE NATIVE MATERIAL.
- HIGH DENSITY POLYETHYLENE PIPE (HDPE) SHALL BE CORRUGATED WITH INTEGRALLY FORMED SMOOTH INTERIOR MEETING THE REQUIREMENTS OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) SECTION 4020.
- THE CONTRACTOR MAY SUBSTITUTE POLYVINYL CHLORIDE (PVC) PIPE WHERE HDPE PIPE IS SPECIFIED IN THE CONSTRUCTION DOCUMENTS SO LONG AS APPROVAL IS RECEIVED FROM THE ENGINEER. PVC PIPE SHALL COMPLY WITH SUDAS SECTION 4020.
- HDPE AND PVC STORM SEWER SHALL BE CONSTRUCTED WITH CLASS F-3 BEDDING.
- STORM SEWER LINES SHALL BE A MINIMUM OF 10' FROM WATER LINES RUNNING PARALLEL. AT CROSSINGS, A MINIMUM 18" SEPARATION MUST BE PROVIDED.
- ALL LINE AND GRADE CONTROL WILL BE DONE USING A LASER, WITH GRADE CHECKS AT 25 FEET, 50 FEET, AND THEN EVERY 100' BETWEEN MANHOLES.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN A RECORD DRAWING SET SHOWING LOCATIONS OF ALL STORM SEWER CONSTRUCTION. THE RECORD DRAWING SET WILL BE PROVIDED TO THE OWNER.
- CONNECT ROOF DRAINS/DOWNSPOUTS TO ADJACENT STORM SEWER.

SANITARY SEWER

- SANITARY SEWER CONSTRUCTION SHALL MEET THE REQUIREMENTS OF THE STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS).
- SANITARY SEWER MAINS SHALL BE PVC SDR26. CLASS F-3 BEDDING SHALL BE USED FOR SANITARY SEWER CONSTRUCTION PER SUDAS 3010.103.
- SANITARY SEWER SERVICE PIPE AND FITTINGS SHALL BE SDR 23.5 POLYVINYL CHLORIDE (PVC) PER SECTION 4010 OF SUDAS. REFER TO PLAN FOR SERVICE SIZE. MAINTAIN 36" HORIZONTAL SEPARATION BETWEEN WATER AND SEWER SERVICES. THE ENDS OF THE SANITARY SEWER SERVICE LINES SHALL BE MARKED WITH 4X4 POSTS PAINTED GREEN.
- SANITARY SEWERS UNDER AND WITHIN 5-FT OF CONCRETE PAVING SHALL BE BACKFILLED WITH GRANULAR MATERIAL COMPACTED TO AT LEAST 65% RELATIVE DENSITY. SUITABLE NATIVE MATERIALS COMPACTED TO 90% STANDARD PROCTOR DENSITY MAY BE USED FOR TRENCH BACKFILL FOR SANITARY SEWERS AND SERVICES OUTSIDE OF PAVING LIMITS.
- CONTRACTOR SHALL PROVIDE TRENCH COMPACTION TESTING FOR SANITARY SEWER MAINS AND SERVICES WITH THE RIGHT-OF-WAY. TRENCH COMPACTION TESTING SHALL BE IN ACCORDANCE WITH SUDAS SECTION 3010-3.06. PROVIDE COMPACTION TESTING RECORDS TO THE CITY OF NORTH LIBERTY.

TRAFFIC CONTROL NOTES

- ALL TRAFFIC CONTROL SHALL BE PER THE CURRENT ADDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- TRAFFIC CONTROL PER IOWA DOT DETAIL TC-211 FOR WORK CONNECTING STREET TO MARKET SQUARE CIRCLE.

UTILITY NOTES

- ** ALL PERMITS SHALL BE SECURED AND FEES SHALL BE PAID PRIOR TO START OF CONSTRUCTION **
- WATER MAIN PIPE MATERIAL SHALL BE PVC C900 PER SUDAS SECTION 5010, 2.01, A. REFER TO PLANS FOR SIZES.
 - WATER SERVICE PIPE MATERIAL SHALL COMPLY WITH SUDAS SECTION 5010 2.07. REFER TO PLANS FOR SIZES.
 - BEDDING FOR WATER MAIN AND SERVICES SHALL BE CLASS P-3 PER SUDAS 3010.104.
 - BACKFILL WATER MAIN AND SERVICES UNDER AND WITHIN 5' OF PAVEMENT WITH GRANULAR BACKFILL MATERIAL COMPACTED TO AT LEAST 65% RELATIVE DENSITY. SUITABLE NATIVE MATERIALS COMPACTED TO 90% STANDARD PROCTOR DENSITY MAY BE USED FOR TRENCH BACKFILL FOR WATER MAIN AND SERVICES OUTSIDE OF PAVING LIMITS.
 - MAINTAIN 36" HORIZONTAL SEPARATION BETWEEN WATER SERVICES AND SEWER SERVICES. THE ENDS OF WATER SERVICE LINES SHALL BE MARKED WITH 4X4 POSTS PAINTED BLUE.
 - THE CITY OF NORTH LIBERTY SHALL OPERATE ALL EXISTING SYSTEM VALVES AND THE CONTRACTOR AND CITY SHALL COORDINATE ANY SHUT DOWNS OF THE EXISTING SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAPS, FILLING AND FLUSHING NEW MAINS, AND ALL REQUIRED SAMPLING. DISPOSAL OF HIGHLY CHLORINATED WATER SHALL BE IN COMPLIANCE WITH LOCAL, STATE & FEDERAL CODES.
 - TRACER WIRE IS REQUIRED ON ALL PRIVATE AND PUBLIC WATER MAIN 3 INCHES IN DIAMETER OR LARGER. HOLES IN VALVE BOXES FOR TRACER WIRE MUST BE DRILLED.
 - UNLESS SPECIFICALLY APPROVED OTHERWISE, ALL TAPS 4-INCH OR LARGER ARE TO BE LIVE TAPS USING AN APPROVED TAPPING SLEEVE OR SADDLE AND VALVE.
 - WATER MAINS AND LARGE SERVICES (3" OR LARGER) OVER 20 FEET IN LENGTH ARE REQUIRED TO BE DISINFECTED, FLUSHED, FILLED AND PRESSURE TESTED. PRESSURE / LEAKAGE TESTS ARE CONDUCTED AT 150 PSI UNDER THE DIRECTION OF THE HIAWATHA WATER DEPARTMENT.
 - ALL WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C 651. NO WATER MAIN SHALL BE PLACED INTO SERVICE UNTIL ALL SAMPLES HAVE PASSED BACTERIOLOGICAL TESTS.
 - THE MINIMUM DEPTH OF BURY FOR WATER MAIN AND SERVICES SHALL BE OF 5- FEET.
 - CONCRETE THRUST BLOCKS SHALL BE INSTALLED AT ALL HYDRANTS, BENDS, VALVES, CROSSES, TEES, CHANGES IN PIPE ELEVATION, AND OTHER AREAS SUBJECT TO THRUST FORCES DURING OPERATION OF THE WATER SYSTEM. THRUST BLOCKS TO COMPLY WITH SUDAS FIGURE 5010.101. NO BOLTS SHALL COME IN CONTACT WITH CONCRETE THRUST BLOCK. POLYETHYLENE WRAP SHOULD BE WRAPPED AROUND THE PIPE, INCLUDING BOLT CIRCLE, PRIOR TO PLACING CONCRETE.
 - WHERE WATER MAIN AND SANITARY SEWERS CROSS, ONE FULL (20 FOOT) LENGTH OF WATER MAIN SHOULD BE CENTERED OVER THE SANITARY SEWER, AND THE VERTICAL DISTANCE SHOULD BE MAINTAINED 18 INCHES OR GREATER. WHERE WATER LINES AND SEWERS CROSS AND THE MINIMUM CLEARANCE CANNOT BE MAINTAINED, THE SEWER MUST BE CONSTRUCTED OF WATER MAIN GRADE AWWA C-900 SDR-18 PVC OR DUCTILE IRON PIPE WITH COMPRESSION FITTINGS OR MECHANICAL JOINTS IF WITHIN 10 FEET OF THE WATER MAIN.
 - VERIFY THE ELEVATION OF POSSIBLE CONFLICTING UTILITIES PRIOR TO CONSTRUCTING PROPOSED WATER MAINS, SANITARY SEWERS, STORM SEWERS, ETC. ANY CONFLICTS MUST IMMEDIATELY BE BROUGHT TO THE ENGINEER'S ATTENTION.
 - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION.
 - PROTECT EXISTING UTILITIES DURING CONSTRUCTION.
 - ADJUST ALL VALVES, MANHOLES, CASTINGS, GAS VENTS, ETC., TO MATCH THE NEW SURFACE. ADJUSTMENT SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO THE CONSTRUCTION. AT NO ADDITIONAL COST TO THE OWNER, REPAIR ANY DAMAGE TO SAID STRUCTURES AND APPURTENANCES THAT OCCUR DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN AS-BUILTS REGARDING ASPECTS OF THE PROJECT WHICH DIFFER FROM THE CONTRACT DOCUMENTS. THIS INCLUDES BOTH EXISTING FACILITIES ENCOUNTERED AND PROPOSED FACILITIES CONSTRUCTED. THE INFORMATION SHALL INCLUDE LOCATION, DIMENSION AND MATERIAL DATA. THE LOCATION OF UNDERGROUND FACILITIES SHALL BE NOTED IF THEY DIFFER FROM THE PLANS BY MORE THAN 2 FEET HORIZONTALLY AND 0.5 FEET VERTICALLY OR ARE NOT SHOWN. FACILITIES CONSTRUCTED OR ENCOUNTERED ABOVE GROUND SHALL BE NOTED IF THEY DIFFER FROM THE PLANS BY MORE THAN 1 FOOT HORIZONTALLY AND 0.25 FEET VERTICALLY.
 - ALL FIRE HYDRANT'S SHALL INCLUDE TEE AND EXTENSION PIPE (OR REDUCER WHEN APPLICABLE). ASSEMBLIES SHALL ALSO INCLUDE 6" GATE VALVE FOR ALL FIRE HYDRANT'S. SEE FIGURE 5020.201.
 - PIPE LENGTHS FOR ALL UTILITIES ARE GIVEN FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTHS FOR WATER MAIN ARE MEASURED BETWEEN ELBOWS, CROSSES, OR TEES (INCLUDING FH TEES).
 - CONTRACTOR MAY DEFLECT WATER MAIN PER MANUFACTURER'S SPECIFICATIONS FOR HORIZONTAL DEFLECTION. PIPE DEFLECTION IS NOT ALLOWED FOR VERTICAL DEFLECTIONS. CONTRACTOR SHALL USE DUCTILE IRON FITTINGS WITH MECHANICAL RESTRAINED JOINTS AS NECESSARY. ALL BENDS, TEES, ETC. SHALL HAVE ADEQUATE AND APPROPRIATE JOINT RESTRAINTS AND THRUST BLOCKS.
 - PRIOR TO WATERMAIN INSTALLATION, THE PROPERTY CORNERS MUST BE LOCATED AND ALL BENDS MUST BE STAKED WITH STATIONING AND OFFSETS AT PLAN LOCATION.
 - CONTRACTOR SHALL CONTACT THE CITY OF NORTH LIBERTY WATER DEPARTMENT TO COORDINATE CONNECTION TO DOMESTIC WATER SYSTEM.
 - CONSTRUCTION OF PUBLIC AND PRIVATE WATER SYSTEM IMPROVEMENTS REQUIRES AN APPROVED PLAN SET ON FILE WITH THE CITY OF NORTH LIBERTY.
 - ON SITE INSPECTION OF WATER MAIN INSTALLATION WILL BE PROVIDED BY THE INSPECTION DEPARTMENT.
 - THE CONTRACTOR IS RESPONSIBLE TO CONTACT IOWA ONE-CALL 1-800-292-8989 PRIOR TO EXCAVATION.
 - WATER MAIN MATERIALS, INSTALLATION AND TESTING MUST COMPLY WITH THE STATEWIDE URBAN DESIGN STANDARDS AND SPECIFICATIONS (SUDAS). THIS APPLIES TO BOTH PUBLIC AND PRIVATE WATER MAINS AND LARGE SERVICE LINES (3" OR LARGER) ON THE DISTRIBUTION SIDE OF THE METER. CONTRACTOR SHALL FURNISH AND INSTALL HYDRANTS AND VALVES IN COMPLIANCE WITH SUDAS.
 - CONTRACTOR SHALL OBTAIN APPROVAL FROM THE CITY OF NORTH LIBERTY FOR ANY VARIANCE FROM THE APPROVED PLAN.

PAVEMENT GENERAL NOTES

- ALL SLOPES IN PAVEMENT SHALL BE UNIFORM TO AVOID PONDING.
- ALL DIMENSIONS TO BACK-OF-CURB UNLESS NOTED OTHERWISE.
- REMOVE AND REPLACE OR RESTORE ALL STREET SIGNS, PAVEMENT MARKINGS, SIDEWALK LAMPS, SIDEWALKS, STEPS, LANDSCAPE STRUCTURES, GUTTERS, GUTTER GUARDS, STREETS, DRIVES AND ALL OTHER SURFACE STRUCTURES REMOVED OR OTHERWISE DAMAGED DURING THE COURSE OF THE WORK. SIDEWALKS SHALL BE REMOVED AND REPLACED TO NEAREST JOINT BEYOND CONSTRUCTION AREA.
- COMPACT SUBGRADE BENEATH PAVEMENTS IN ACCORDANCE WITH GRADING NOTES.
- GRANULAR SUBBASE FOR PAVEMENTS SHALL MEET THE LIMITS OF GRADUATION NO. 14 (MODIFIED SUBBASE) PER IOWA DOT STANDARD SPECIFICATION FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4123, UNLESS STATE OTHERWISE.
- PROOF-ROLL SUBGRADE PER SECTION 2115. REMOVE AND REPLACE UNSTABLE AREAS WITH SUITABLE COMPACTED MATERIAL.
- ALL CURB AND GUTTER IS 6" STANDARD CURB UNLESS STATED OTHERWISE.

PCC PAVEMENT NOTES

- PCC PAVING THICKNESS SHALL BE 6" THICK ON 6" GRANULAR SUBBASE UNLESS STATED OTHERWISE.
- MATERIALS AND CONSTRUCTION FOR PORTLAND CEMENT CONCRETE PAVEMENTS SHALL MEET THE REQUIREMENT OF IOWA DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, LATEST REVISION, SECTION 2301. THE PARAGRAPHS FOR MEASUREMENT AND PAYMENT SHALL NOT APPLY.
- MINIMUM 28-DAY COMPRESSIVE STRENGTH FOR CONCRETE USED FOR PAVEMENTS SHALL BE 4000 PSI. CONCRETE SHALL BE C-3 OR C-4 WITH TYPE 1 CEMENT. AIR CONTENT SHALL BE 6-1/2% ± 1.5% COARSE AGGREGATE. AIR ENTRAINMENT ADMIXTURES AND WATER REDUCING ADMIXTURES SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4103. DURABILITY FOR PORTLAND CEMENT CONCRETE SHALL BE CLASS 2. JOINT SEALER SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4136 FOR HOT POURED JOINT SEALER.
- JOINT SEALER SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4136 FOR HOT POURED JOINT SEALER.
- CURING COMPOUND (WHITE, DARK OR CLEAR) SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR SECTION 4105. APPLICATION METHOD AND CURING SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 2301.18.
- FLYASH PER IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4108 MAY BE SUBSTITUTED FOR CEMENT AT THE RATES SPECIFIED IN SECTION 2301.04E AFTER NOTIFICATION AND AUTHORIZATION BY THE OWNERS REPRESENTATIVE.
- PAVEMENT TIE BARS AND DOWEL BARS SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4151. EPOXY COATING, WHEN SPECIFIED, SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 4151.03B.
- CURBS SHALL BE CAST INTEGRAL WITH CONCRETE PAVEMENT UNLESS NOTED OTHERWISE. EDGES SHALL BE ROUNDED BUT NOT ROLLED.
- PCC SIDEWALKS SHALL BE 4 INCHES THICK, EXCEPT AT DRIVEWAYS. THICKNESS OF PCC WALKS AT DRIVEWAYS SHALL MATCH THAT OF THE ADJACENT DRIVEWAY. TRANSVERSE CONSTRUCTION JOINTS SPACING SHALL BE AT 5 FEET MAXIMUM CENTERS FOR 5 FEET WIDE WALKS. PLACE EXPANSION JOINTS WHERE WALK MEETS OTHER WALKS, BACK OF CURBS, FIXTURES, OR OTHER STRUCTURES, AND AT INTERVALS NOT EXCEEDING 80 FEET. SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% DRAINING TOWARDS BACK OF CURB, UNLESS OTHERWISE NOTED.
- ONE INCH PREFORMED FOAM EXPANSION JOINT MATERIAL SONOFLEX "F" BY SONOBORN OR APPROVED EQUAL SHALL BE PLACED BETWEEN NEW PAVEMENT CONSTRUCTION AND THE FACES OF BUILDINGS, STOOPS, EXISTING SLABS, AND OTHER FIXTURES, UNLESS NOTED ON THE DRAWINGS. JOINTS AT THESE LOCATIONS SHALL BE SEALED WITH A SELF-LEVELING POLYURETHANE SUCH AS SONOLASTIC SL-1 OR APPROVED EQUAL.
- CONSTRUCT 1" EXPANSION JOINTS ON PCC CURB AT ALL ENDS OF RETURN RADI.

SURFACE RESTORATION NOTES

- SOIL QUALITY RESTORATION AS OUTLINED BELOW SHALL BE UTILIZED FOR ALL LANDSCAPE AND LAWN AREAS DISTURBED BY GRADING OR CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL VERIFY EXISTING TOPSOIL MEETS THE FOLLOWING CRITERIA:
 - TOPSOIL MUST HAVE AT LEAST 2% ORGANIC CONTENT AND LESS THAN 25% CLAY CONTENT
 - TOPSOIL MUST HAVE A BULK DENSITY OF NO MORE THAN 80 POUNDS PER CUBIC FOOT
 - TOPSOIL MUST HAVE A PENETROMETER READING OF NO GREATER THAN 200 PSI TO A DEPTH OF AT LEAST 8 INCHES.
 - TOPSOIL MUST NOT BE HYDRIC.
- IF THE ONSITE TOPSOIL MEETS THE ABOVE CRITERIA, USE METHOD 4 PER CHAPTER 5, SECTION 6 OF THE IOWA STORM WATER MANAGEMENT MANUAL FOR SOIL QUALITY RESTORATION
 - SITE SOILS SHOULD BE STRIPPED AND STOCKPILED IN AN APPROVED LOCATION
 - SOIL STOCKPILES SHALL BE PROTECTED AS INDICATED ON PLANS AND IN SWPPP
 - RESPREAD TOPSOIL AFTER ALL GRADING AND TRENCHING ACTIVITIES IN AN AREA HAVE BEEN COMPLETED.
 - REMOVE LARGE CLODS, ROOTS, LITTER, STONES LARGER THAN 1 INCH AND OTHER UNDESIRABLE MATERIAL. AFTER RESPREADING TOPSOIL, AVOID PLACEMENT OF OTHER FILL MATERIALS OR HEAVY EQUIPMENT ON RESTORED AREA.
 - PERFORM TILLAGE AS NECESSARY TO ADDRESS EXCESSIVE COMPACTION. DO NOT TILL WET SOILS.
- IF THE ONSITE TOPSOIL DOES NOT MEET THE ABOVE CRITERIA, USE METHOD 7 PER CHAPTER 5, SECTION 8 OF THE IOWA STORM WATER MANAGEMENT MANUAL FOR SOIL QUALITY RESTORATION
 - UPON COMPLETION OF SITE GRADING AND CONSTRUCTION ACTIVITIES THE AREA(S) WHERE THE SOIL IS TO BE AMENDED SHOULD BE INSPECTED. REMOVE LARGE CLOUDS, ROOTS, LITTER, STONES LARGER THAN 1 INCH AND OTHER UNDESIRABLE MATERIAL. REMOVE SMALLER ROCKS AND GRAVEL IF THEY DENSELY COVER THE SURFACE IN A GIVEN AREA.
 - SPREAD 2" COMPOST PRIOR TO TILLAGE
 - ADD SAND TO CONVERT THE SOIL TEXTURE TO THAT OF A LOAM OR SANDY LOAM BASED ON THE RATIO BELOW. SAND SHOULD BE ADDED IN A UNIFORM LAYER BEFORE TILLAGE. ALTERNATIVELY, SAND AND COMPOST MAY BE MIXED THEN SPREAD AND TILLED.
 - INCORPORATE COMPOST OR SAND AND COMPOST BLEND THROUGH TILLAGE TO A MINIMUM DEPTH OF 8 INCHES.
 - REMOVE LARGE CLOUDS, ROOTS, LITTER, STONES LARGER THAN 1 INCH AND OTHER UNDESIRABLE MATERIAL.
 - PERFORM TILLAGE AS NECESSARY TO ADDRESS EXCESSIVE COMPACTION. DO NOT TILL WET SOILS
- ALL DISTURBED AREAS SHALL BE SEEDED, FERTILIZED AND MULCHED IN ACCORDANCE WITH SUDAS SECTION 9010.
- MAINTAIN SEEDED AREAS UNTIL A GOOD VEGETATIVE COVER (70% MINIMUM) HAS BEEN ESTABLISHED. RESEED ANY AREAS AS NECESSARY TO STABILIZE SOIL PER PROJECT SPECIFICATIONS.

SAND APPLICATION RATES:

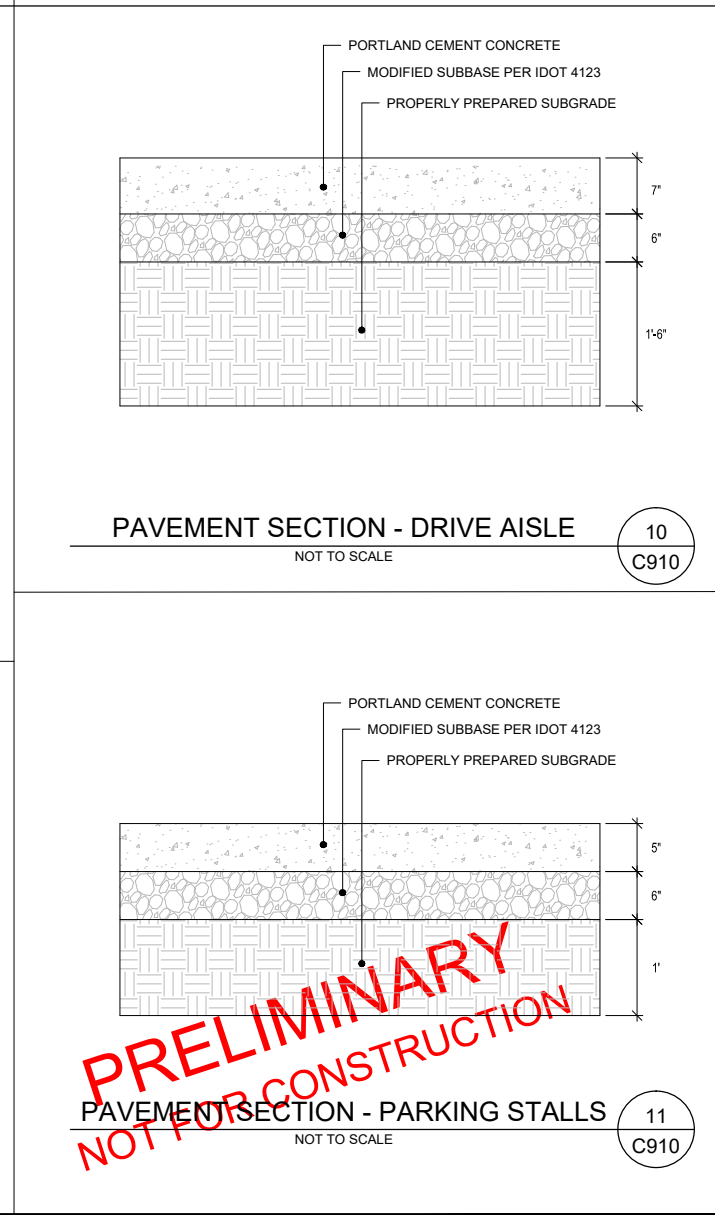
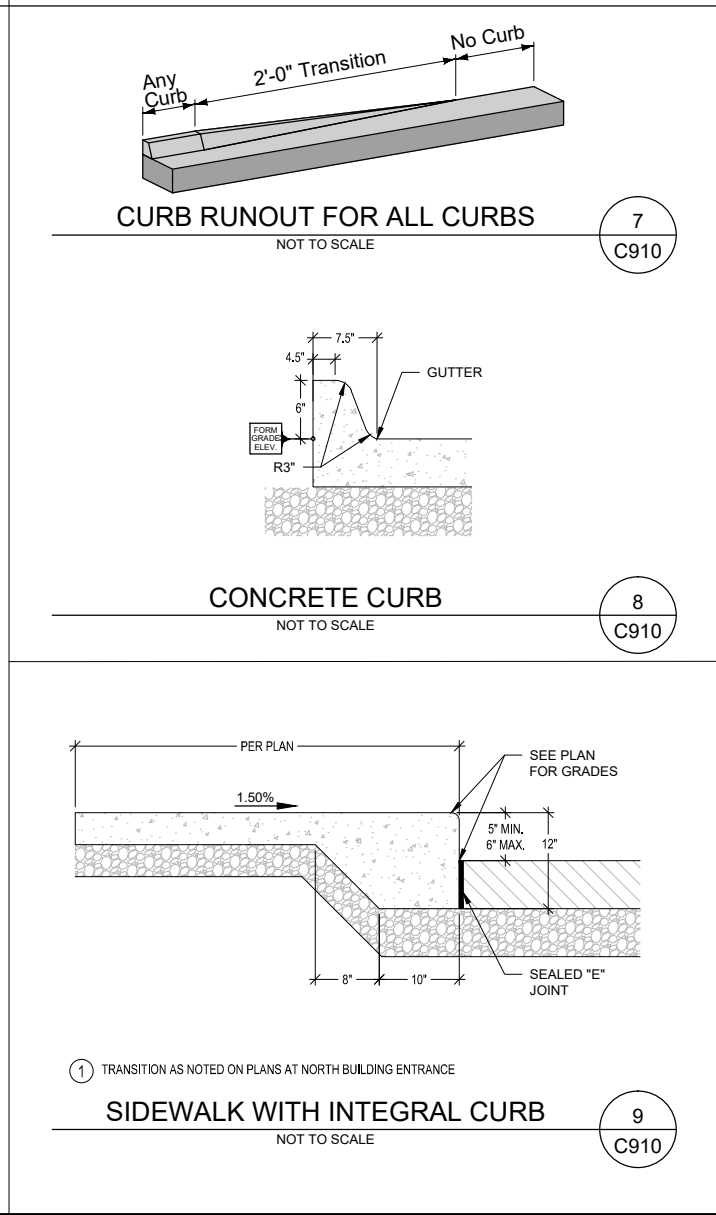
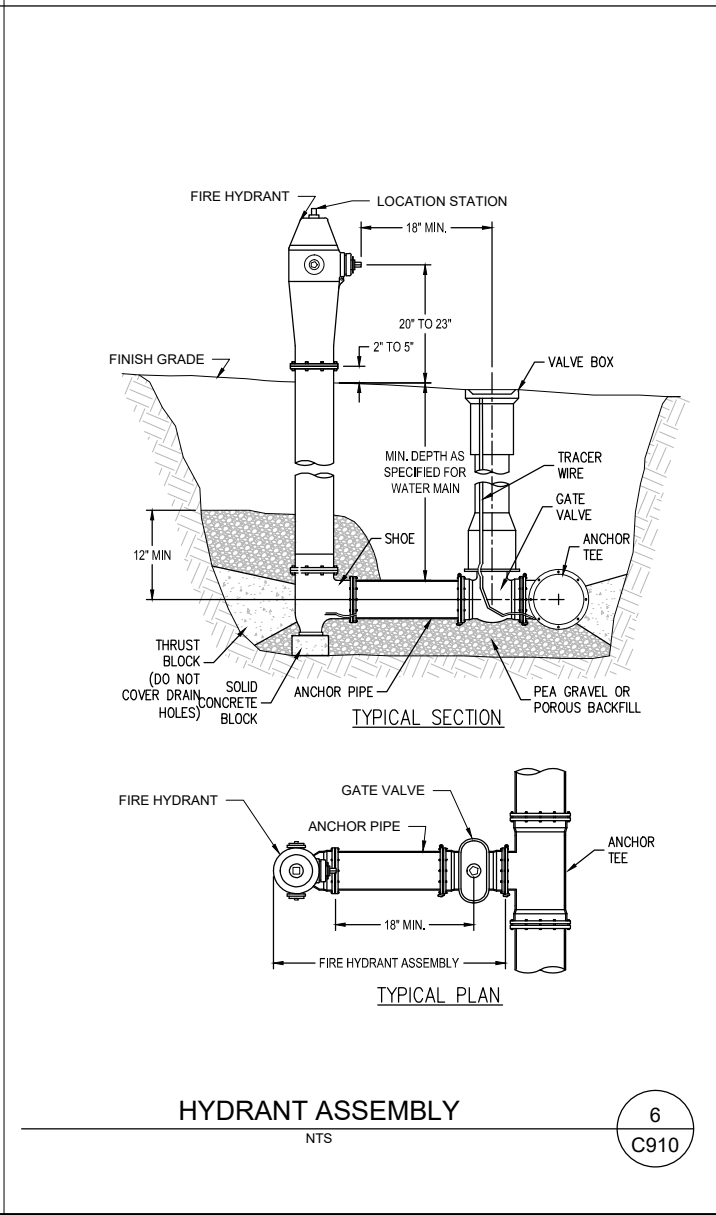
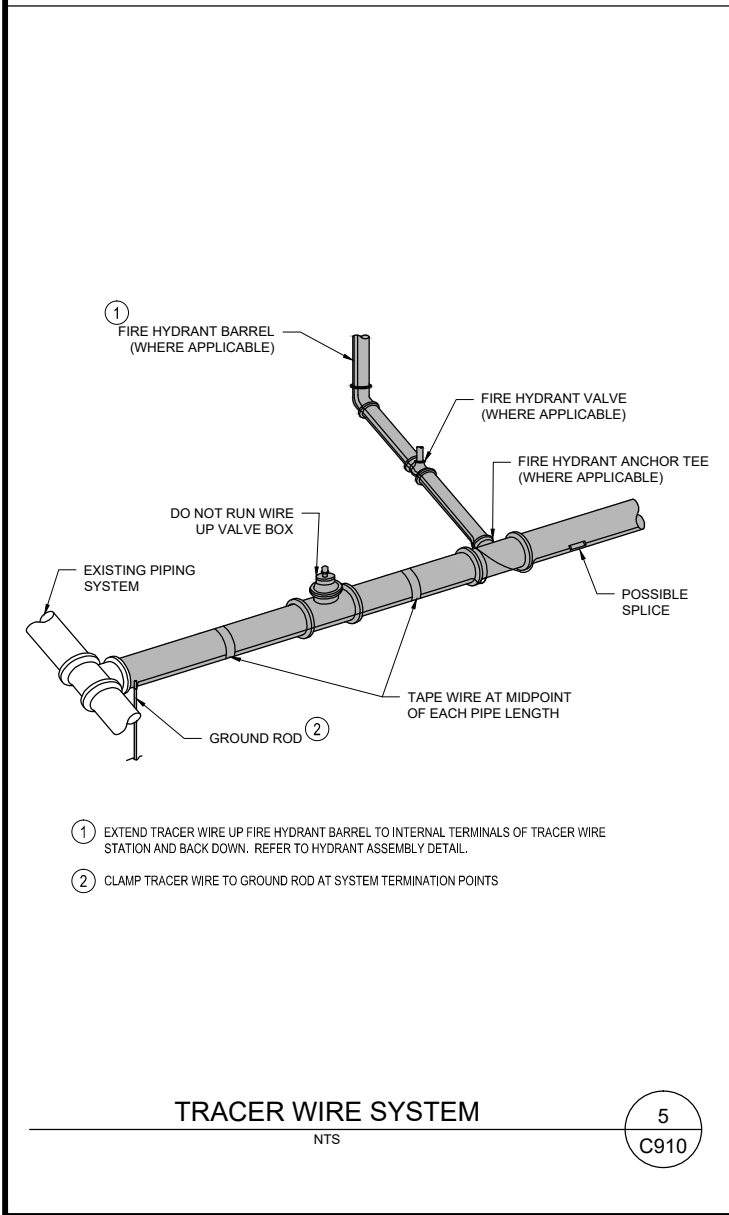
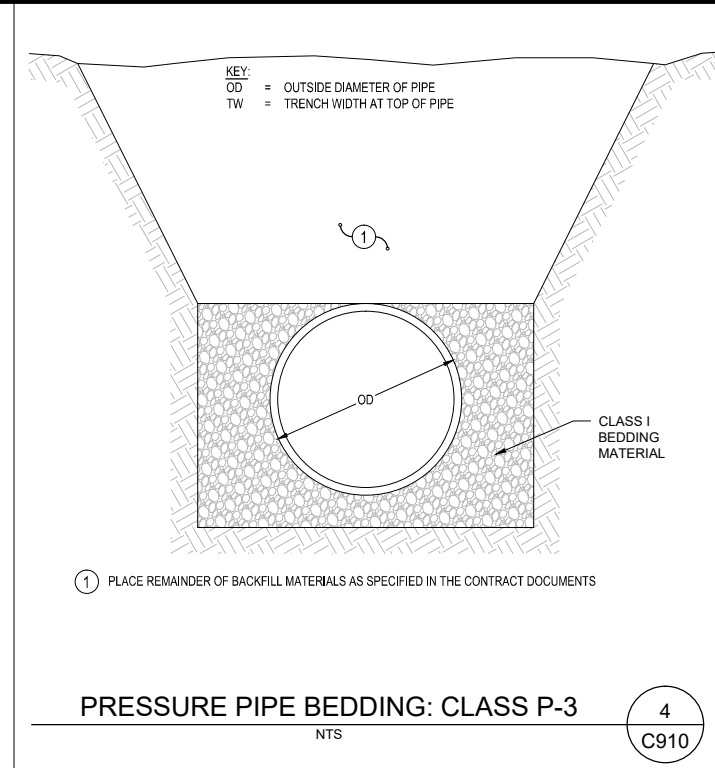
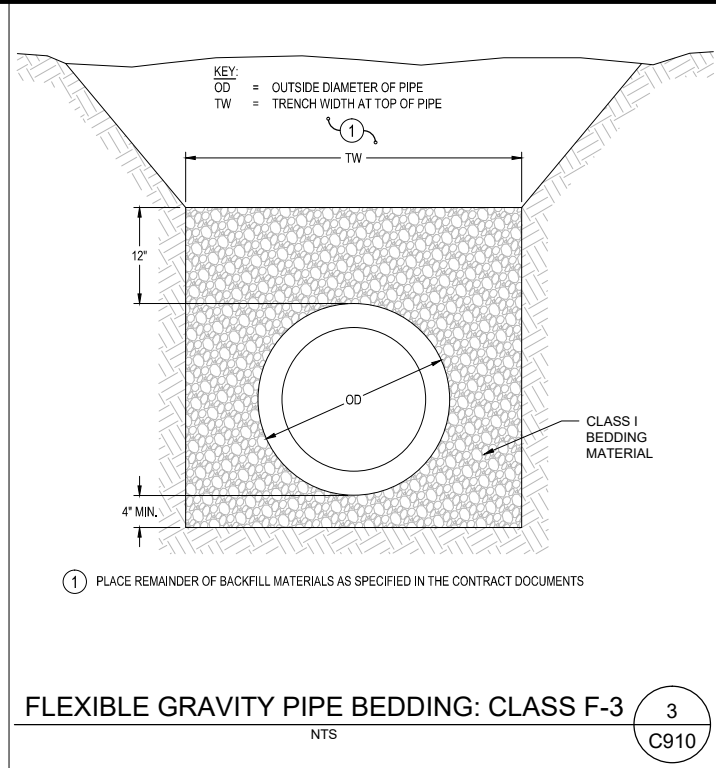
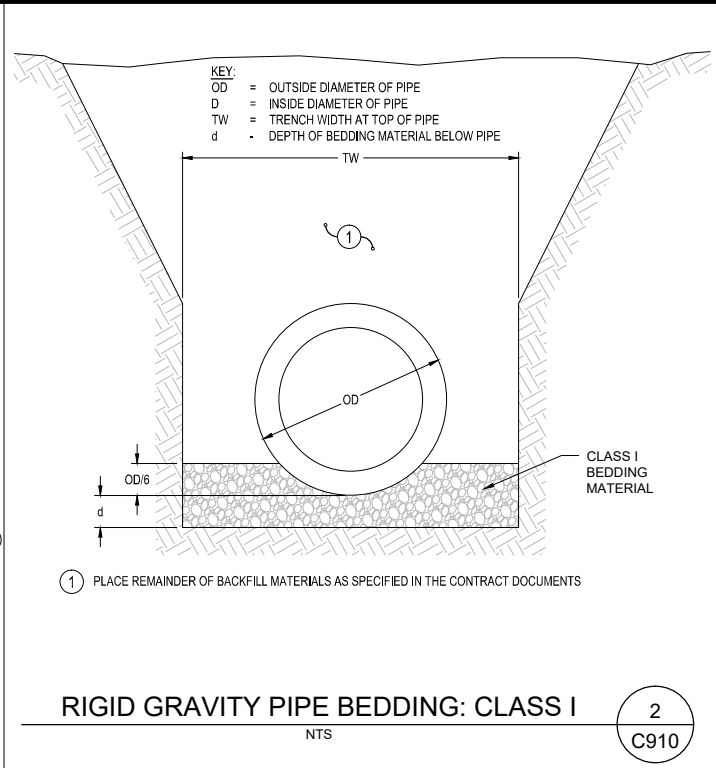
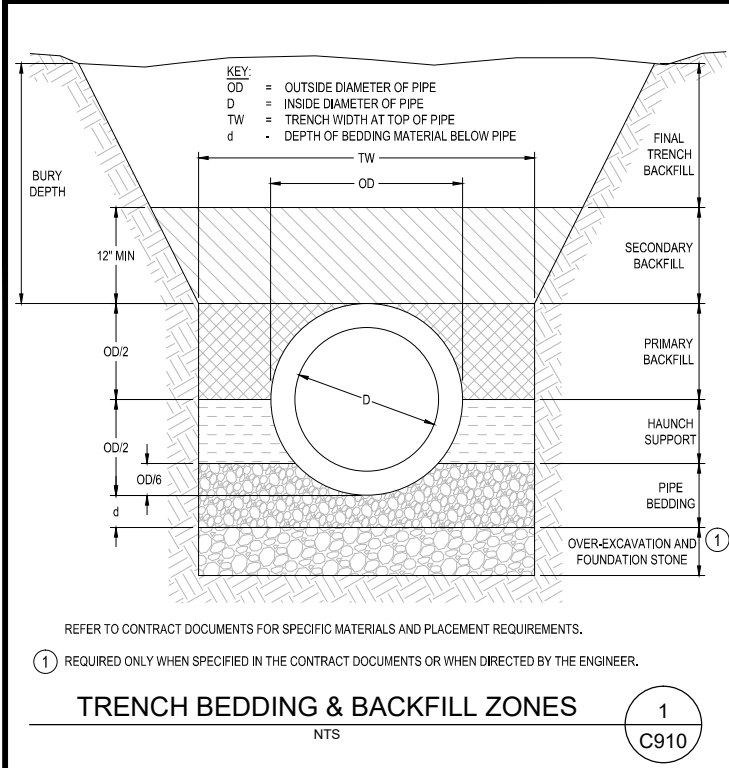
| EXISTING SOIL TEXTURE | AMENDMENT* | ORIGINAL MATERIAL |
|-----------------------------|------------|-------------------|
| SILT LOAM | 0.35 CY | 0.00 CY |
| SANDY CLAY LOAM | 0.80 CY | 0.00 CY |
| CLAY LOAM / SILTY CLAY LOAM | 0.50 CY | 1.00 CY |
| SANDY CLAY / SILTY CLAY | 0.20 CY | 1.00 CY |
| CLAY | 4.00 CY | 1.00 CY |

* VALUES ABOVE ARE CONSERVATIVE ESTIMATES. RECOMMEND CONTRACTOR TEST SOILS TO DETERMINE SITE-SPECIFIC SAND APPLICATION RATES

AS-BUILT CERTIFICATION

- CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CITY OF NORTH LIBERTY AS-BUILT PLANS OF THE STORM WATER MANAGEMENT FACILITIES INCLUDING CERTIFICATION BY A PROFESSIONAL ENGINEER THAT THE FACILITIES WERE INSTALLED PROPERLY AND FUNCTION PROPERLY.

| | | | |
|---|------------------|-----|-----|
| | | | |
| PROJECT NUMBER: 16-1212 | | | |
| PROJECT NAME: SANCTUARY AND EDUCATION ADDITION | | | |
| SHEET TITLE: GENERAL NOTES | | | |
| ENGINEER: hbk ENGINEERING HBK ENGINEERING, LLC 509 S. GILBERT ST. IOWA CITY, IA 52240 PHONE: (319) 338-7557 FAX: (319) 358-2937 IOWA DEPARTMENT OF LABOR REGISTRATION NO. 00527328 WWW.HBKENGINEERING.COM | | | |
| OWNER: FIRST UNITED METHODIST CHURCH OF NORTH LIBERTY 85 NORTH JONES BOULEVARD NORTH LIBERTY, IA 52317 | | | |
| ARCHITECT: MARTIN GARDNER ARCHITECTURE 700 11TH STRET, SUITE 200 MARION, IA 52302 (319) 377-7604 | | | |
| CONTRACTOR: MERIT CONSTRUCTION COMPANY 1000 29TH AVENUE SW CEDAR RAPIDS, IA 52404 | | | |
| FOLDER NAME: <div></div> | | | |
| DATE CREATED: DECEMBER 13, 2016 | | | |
| DRAWING LOG | | | |
| DATE | ISSUED FOR | DR | CB |
| 12/13/16 | DESIGN | MJW | BAB |
| 12/20/16 | OWNER REVIEW | MJW | BAB |
| 12/30/16 | OWNER REVIEW | MJW | BAB |
| 01/06/17 | SITE REVISIONS | MJW | BAB |
| 01/31/17 | CITY SUBMITTAL | MJW | BAB |
| 04/03/17 | CITY RESUBMITTAL | JDP | MJW |
| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |
| | | | |
| | | | |
| | | | |
| PROJECT MANAGER: MICHAEL J. WELCH | | | |
| SHEET: C900 | | | |



PROJECT NUMBER:
16-1212

PROJECT NAME:
**SANCTUARY AND
EDUCATION ADDITION**

SHEET TITLE:
**PAVEMENT AND
UTILITY DETAILS**

ENGINEER:
**hbk
ENGINEERING**
HBK ENGINEERING, LLC
509 S. GILBERT ST.
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NO. 00527328
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85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317**

ARCHITECT:
**MARTIN GARDNER
ARCHITECTURE
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MARION, IA 52302
(319) 377-7604**

CONTRACTOR:
**MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404**

FOLDER NAME:

DATE CREATED:
DECEMBER 13, 2016

DRAWING LOG

| DATE | ISSUED FOR | DR | CB |
|----------|------------------|-----|-----|
| 12/13/16 | DESIGN | MJW | BAB |
| 12/20/16 | OWNER REVIEW | MJW | BAB |
| 12/30/16 | OWNER REVIEW | MJW | BAB |
| 01/06/17 | SITE REVISIONS | MJW | BAB |
| 01/31/17 | CITY SUBMITTAL | MJW | BAB |
| 04/03/17 | CITY RESUBMITTAL | JDP | MJW |
| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:
MICHAEL J. WELCH

SHEET:
C910

1
C911

2
C911

3
C91

4
C91

5
C911

6
C911

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NUMBER:
16-1212

PROJECT NAME:

**SANCTUARY AND
EDUCATION ADDITION**

SHEET TITLE:

SWPPP
DETAILS

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
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REGISTRATION
NO. 00527328

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85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317**

ARCHITECT:

**MARTIN GARDNER
ARCHITECTURE**

**700 11TH STRET, SUITE 200
MARION, IA 52302**

(319) 377-7604

CONTRACTOR:

**MERIT CONSTRUCTION
COMPANY**

**1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404**

FOLDER NAME:

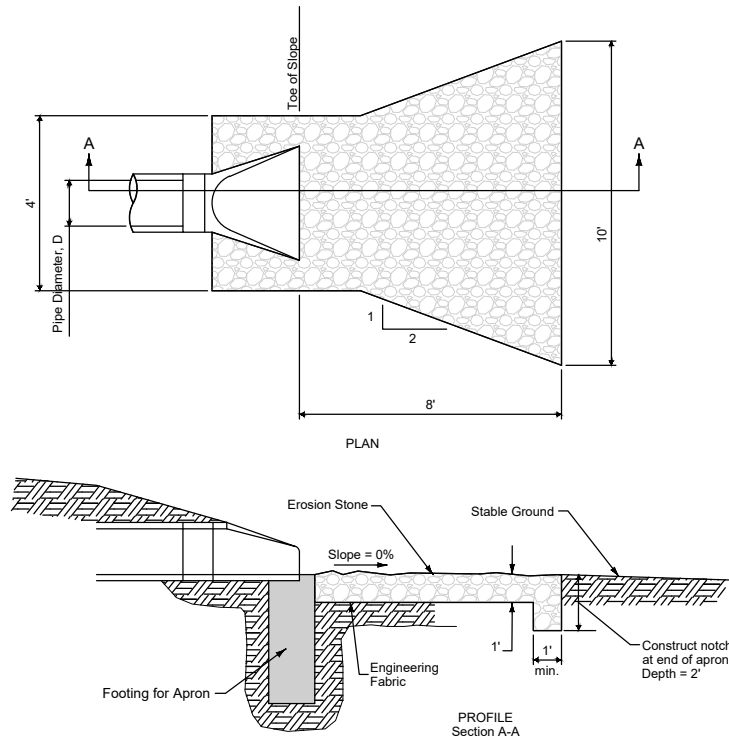
| |
|--------------------------|
| DATE CREATED: |
| DECEMBER 13, 2016 |

DRAWING LOG

| DATE | ISSUED FOR | DB | CE |
|----------|------------------|-----|-----|
| 12/13/16 | DESIGN | MJW | BAI |
| 12/20/16 | OWNER REVIEW | MJW | BAI |
| 12/30/16 | OWNER REVIEW | MJW | BAI |
| 01/06/17 | SITE REVISIONS | MJW | BAI |
| 01/31/17 | CITY SUBMITTAL | MJW | BAI |
| 04/03/17 | CITY RESUBMITTAL | JDP | MJV |
| 04/19/17 | OWNER REVIEW | JDP | MJV |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJV |

| | |
|-------------------------|--|
| PROJECT MANAGER: | |
| MICHAEL J. WELCH | |

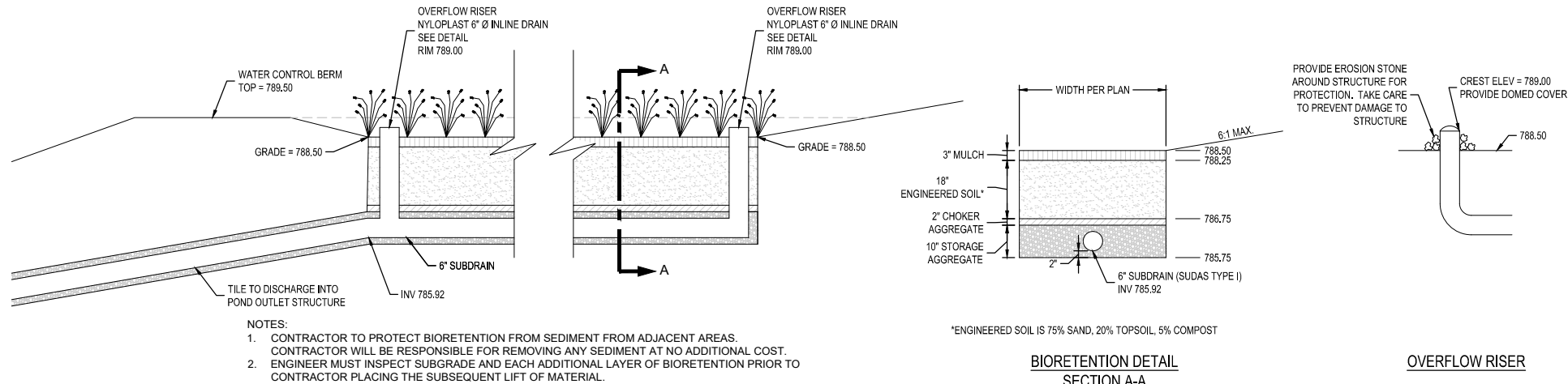
SHEET: C911



OUTLET PROTECTION

NTS

1
C912

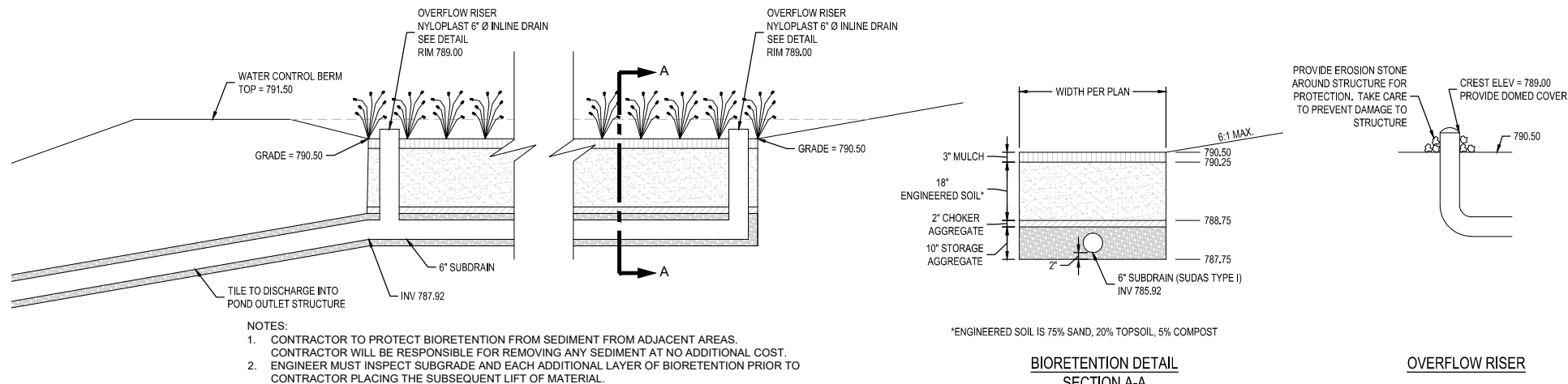


NORTHEAST BIORETENTION BASIN DETAILS

NTS

BIORETENTION DETAIL
SECTION A-A

2
C912



SOUTHEAST BIORETENTION BASIN DETAILS

NTS

BIORETENTION DETAIL
SECTION A-A

3
C912

PRELIMINARY
NOT FOR CONSTRUCTION

PROJECT NUMBER:

16-1212

PROJECT NAME:

SANCTUARY AND
EDUCATION ADDITION

SHEET TITLE:

BIORETENTION
DETAILS

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328

WWW.HBKENGINEERING.COM

OWNER:

FIRST UNITED METHODIST
CHURCH OF NORTH LIBERTY
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:

MARTIN GARDNER
ARCHITECTURE
700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604

CONTRACTOR:

MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

DATE CREATED:

DECEMBER 13, 2016

DRAWING LOG

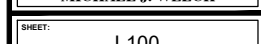
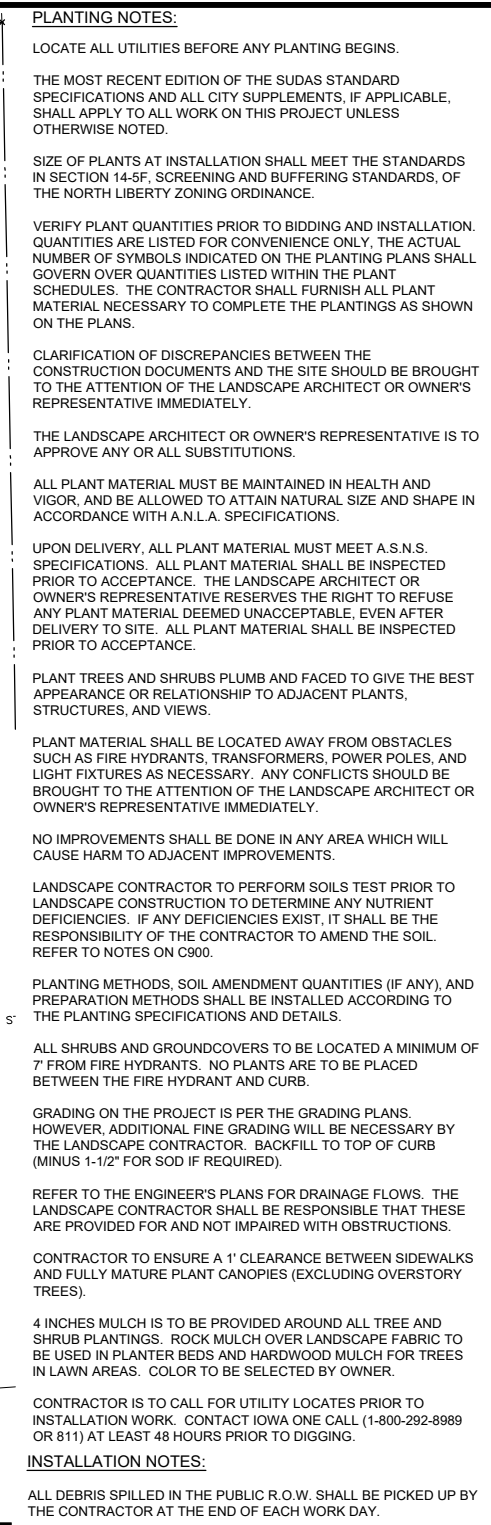
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|----------|------------------|-----|-----|
| 12/13/16 | DESIGN | MJW | BAB |
| 12/20/16 | OWNER REVIEW | MJW | BAB |
| 12/30/16 | OWNER REVIEW | MJW | BAB |
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| 04/03/17 | CITY RESUBMITTAL | JDP | MJW |
| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |

PROJECT MANAGER:

MICHAEL J. WELCH

SHEET:

C912

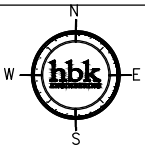


| PLANT SCHEDULE NORTH | | | | | |
|---|-------------|---|-------------|----------------|------------|
| <u>SHRUBS</u> | <u>CODE</u> | <u>BOTANICAL NAME / COMMON NAME</u> | <u>SIZE</u> | <u>QTY</u> | |
|  | CB | Cornus baileyi / Bailey's Red-twig Dogwood | 2 gal | 11 | |
|  | JF | Juniperus chinensis 'Sea Green' / Sea Green Juniper | 2 gal | 27 | |
|  | VL | Viburnum lantana 'Mohican' / Mohican Wayfaring Tree | 2 gal | 9 | |
| <u>GROUND COVERS</u> | <u>CODE</u> | <u>BOTANICAL NAME / COMMON NAME</u> | <u>CONT</u> | <u>SPACING</u> | <u>QTY</u> |
|  | PP2 | Poa pratensis / Kentucky Bluegrass | seed | | 21,742 sf |

| | | | |
|---|--|---|---|
|  | <p>DETENTION PLANTINGS - SEEDING/PLUGS DETENTION BASIN - BIOSWALE MIX BY PRAIRIE NURSERY - 1-800-476-9453</p> |  | <p>BIORERETENTION - PLUGS MOIST MEADOW - RAIN GARDEN MIX BY PRAIRIE NURSERY - 1-800-476-9453</p> |
|  | <p>WILDFLOWERS: Nodding Pink Onion, Red Milkweed, New England Aster, White False Indigo, Pale Indian Plantain, Wild Senna, Joe Pye Weed, Boneset, Dogtooth Daisy, Ox Eye Sunflower, Wild Iris, Blue Flag Iris, Prairie Blazingstar, Dense Blazingstar, Great Blue Lobelia, Bergamot, Yellow Coneflower, Black Eyed Susan, Sweet Black Eyed Susan, Brown Eyed Susan, Rosinweed, Cupplant, Prairie Dock, Ohio Goldenrod, Stiff Goldenrod, Blue Vervain, Ironweed, Golden Alexanders</p> <p>GRASSES: Big Bluestem, Bebb's Sedge, Bottlebrush Sedge, Porcupine Sedge, Awl Fruited Sedge, Fox Sedge, Canada Wild Rye, Virginia Wild Rye, Switchgrass, Dark Green Bulrush, Indiangrass, Prairie Cordgrass, Annual Rye Nurse Crop</p> |  | <p>WILDFLOWERS: Nodding Pink Onion, Red Milkweed, New England Aster, White False Indigo, Wild Senna, Joe Pye Weed, Boneset, Dogtooth Daisy, Ox Eye Sunflower, Wild Iris, Blue Flag Iris, Prairie Blazingstar, Dense Blazingstar, Cardinal Flower, Great Blue Lobelia, Monkeyflower, Bergamot, Wild Quinine, Smooth Penstemon, Yellow Coneflower, Black Eyed Susan, Green Headed Coneflower, Sweet Black Eyed Susan, Brown Eyed Susan, Ohio Goldenrod, Stiff Goldenrod, Blue Vervain, Ironweed, Golden Alexanders</p> <p>GRASSES & SEDGES: Bebb's Sedge, Bottlebrush Sedge, Porcupine Sedge, Awl Fruited Sedge, Fox Sedge, Canada Wild Rye, Virginia Wild Rye, Dark Green Bulrush, Woolgrass</p> |

MATCHLINE SEE SHEET L100

0 20 40 Feet



PROJECT NUMBER:

16-1212

PROJECT NAME:

SANCTUARY AND
EDUCATION ADDITION

SHEET TITLE:

LANDSCAPE PLAN

ENGINEER:

hbk
ENGINEERING

HBK ENGINEERING, LLC
509 S. GILBERT ST.
IOWA CITY, IA 52240
PHONE: (319) 338-7557
FAX: (319) 358-2937

IOWA DEPARTMENT
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REGISTRATION
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WWW.HBKENGINEERING.COM

OWNER:

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85 NORTH JONES BOULEVARD
NORTH LIBERTY, IA 52317

ARCHITECT:

MARTIN GARDNER
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700 11TH STREET, SUITE 200
MARION, IA 52302
(319) 377-7604

CONTRACTOR:

MERIT CONSTRUCTION
COMPANY
1000 29TH AVENUE SW
CEDAR RAPIDS, IA 52404

FOLDER NAME:

DATE CREATED:

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| 04/19/17 | OWNER REVIEW | JDP | MJW |
| 04-24-17 | CITY RESUBMITTAL | JDP | MJW |
| | | | |
| | | | |
| | | | |









PROJECT MANAGER:

MICHAEL J. WELCH

SHEET:

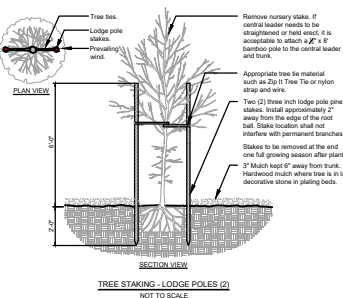
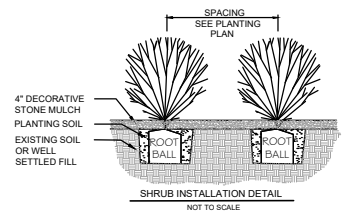
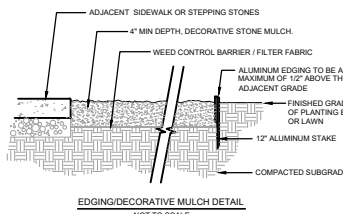
L101

PLANT SCHEDULE TOTALS

| TREES | CODE | BOTANICAL NAME / COMMON NAME | CONT | CAL | QTY |
|---|------|--|-------|-----------|-----|
|  | AA2 | Acer x freemanii 'Jeffersred' / Autumn Blaze Maple | B & B | 2" | 4 |
|  | AA | Amelanchier canadensis 'Autumn Brilliance' / Autumn Brilliance Serviceberry | B & B | 2" | 6 |
|  | GI | Gleditsia triacanthos inermis 'Skycole' TM / Skyline Thornless Honey Locust | B & B | 2" | 5 |
|  | QB | Quercus bicolor / Swamp White Oak | B & B | 2" | 2 |
| SHRUBS | CODE | BOTANICAL NAME / COMMON NAME | SIZE | QTY | |
|  | CB | Cornus baileyi / Bailey's Red-twig Dogwood | 2 gal | 19 | |
|  | JF | Juniperus chinensis 'Sea Green' / Sea Green Juniper | 2 gal | 42 | |
|  | VL | Viburnum lantana 'Mohican' / Mohican Wayfaring Tree | 2 gal | 15 | |
| GROUND COVERS | CODE | BOTANICAL NAME / COMMON NAME | CONT | QTY | |
|  | PP2 | Poa pratensis / Kentucky Bluegrass | sod | 64,439 sf | |

N JONES BOULEVARD





SOD/SEED TO LIMITS OF DISTURBANCE (TYP)



PLANT SCHEDULE SOUTH

| TREES | CODE | BOTANICAL NAME / COMMON NAME | CONT | CAL | QTY |
|-------|------|---|-------|------------|-----|
| | AA | Amelanchier canadensis 'Autumn Brilliance' / Autumn Brilliance Serviceberry | B & B | 1 1/2" Cal | 3 |
| | QB | Quercus bicolor / Swamp White Oak | B & B | 1 1/2" Cal | 2 |
| | | Existing Tree to Remain | | | |

PLANT SCHEDULE SOUTH

| <u>SHRUBS</u> | <u>CODE</u> | <u>BOTANICAL NAME / COMMON NAME</u> | <u>SIZE</u> | <u>QTY</u> | |
|---|-------------|---|-------------|----------------|------------|
|  | CB | Cornus baileyi / Bailey's Red-twig Dogwood | 2 gal | 8 | |
|  | JF | Juniperus chinensis `Sea Green` / Sea Green Juniper | 2 gal | 15 | |
|  | VL | Viburnum lantana `Mohican` / Mohican Wayfaring Tree | 2 gal | 6 | |
| <u>GROUND COVERS</u> | <u>CODE</u> | <u>BOTANICAL NAME / COMMON NAME</u> | <u>CONT</u> | <u>SPACING</u> | <u>QTY</u> |
|  | PP2 | Poa pratensis / Kentucky Bluegrass | seed | | 42,697 sf |

DETENTION PLANTINGS - SEEDING/PLUGS
DETENTION BASIN - BIOSWALE MIX
BY PRAIRIE NURSERY - 1-800-476-9453

WILDFLOWERS: Nodding Pink Onion, Red Milkweed, New England Aster, White False Indigo, Pale Indian Plantain, Wild Senna, Joe Pye Weed, Boneset, Dogtooth Daisy, Ox Eye Sunflower, Wild Iris, Blue Flag Iris, Prairie Blazingstar, Dense Blazingstar, Great Blue Lobelia, Bergamot, Yellow Coneflower, Black Eyed Susan, Sweet Black Eyed Susan, Brown Eyed Susan, Rosinweed, Cupplant, Prairie Dock, Ohio Goldenrod, Stiff Goldenrod, Blue Vervain, Ironweed, Golden Alexanders

GRASSES: Big Bluestem, Bebb's Sedge, Bottlebrush Sedge, Porcupine Sedge, Awl Fruited Sedge, Fox Sedge, Canada Wild Rye, Virginia Wild Rye, Switchgrass, Dark Green Bulrush, Indiangrass, Prairie Cordgrass, Annual Rye Nurse Crop

BIORETENTION - PLUGS
MOIST MEADOW - RAIN GARDEN MIX
BY PRAIRIE NURSERY - 1-800-476-9453

WILDFLOWERS: Nodding Pink Onion, Red Milkweed, New England Aster, White False Indigo, Wild Senna, Joe Pye Weed, Boneset, Dogtooth Daisy, Ox Eye Sunflower, Wild Iris, Blue Flag Iris, Prairie Blazingstar, Dense Blazingstar, Cardinal Flower, Great Blue Lobelia, Monkeyflower, Bergamot, Wild Quinine, Smooth Penstemon, Yellow Coneflower, Black Eyed Susan, Green Headed Coneflower, Sweet Black Eyed Susan, Brown Eyed Susan, Ohio Goldenrod, Stiff Goldenrod, Blue Vervain, Ironweed, Golden Alexanders

GRASSES & SEDGES: Bebb's Sedge, Bottlebrush Sedge, Porcupine Sedge, Awl Fruited Sedge, Fox Sedge, Canada Wild Rye, Virginia Wild Rye, Dark Green Bulrush, Woolgrass

SOD/SEED TO LIMITS OF DISTURBANCE (TYP)

EXISTING TREE TO REMAIN (TYP)

EXISTING STAGE

DECORATIVE ROCK MULCH

EXISTING GRAVEL PATH

EXISTING GARDEN

DUMPSTER AREA

SOUTHEAST BIORETENTION BASIN

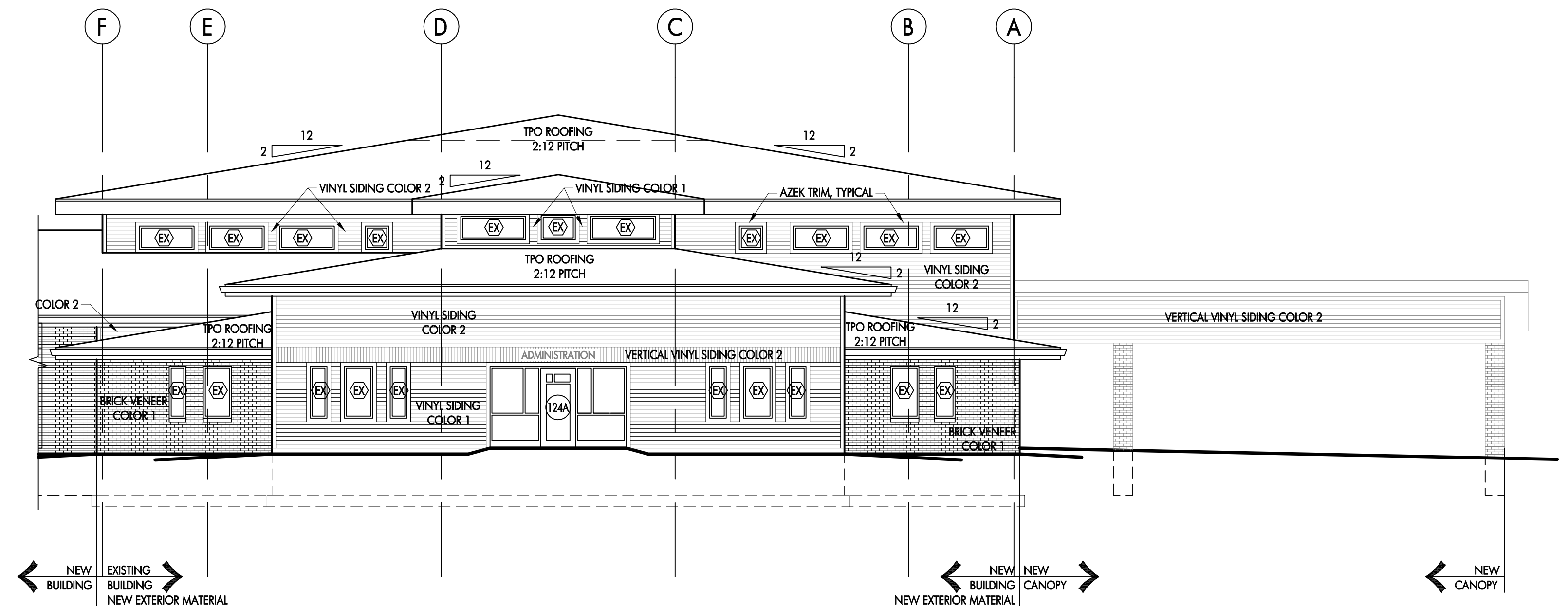
SUBDRAIN

WATER CONTROL BERM

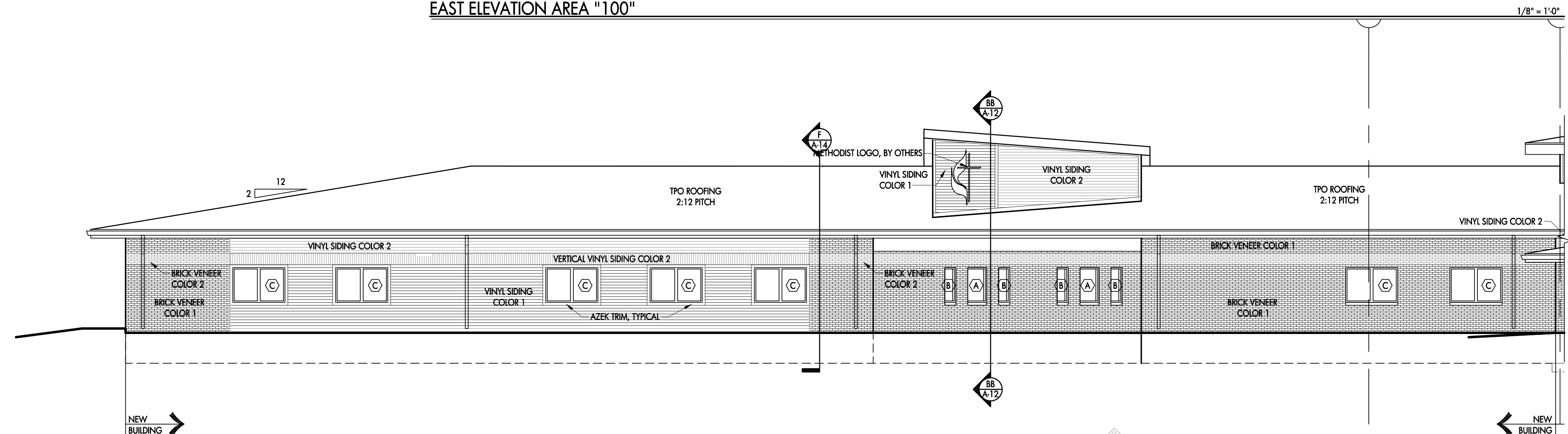
SOD/SEED TO LIMITS OF DISTURBANCE (TYP)

ELEVATION MASONRY NOTES:

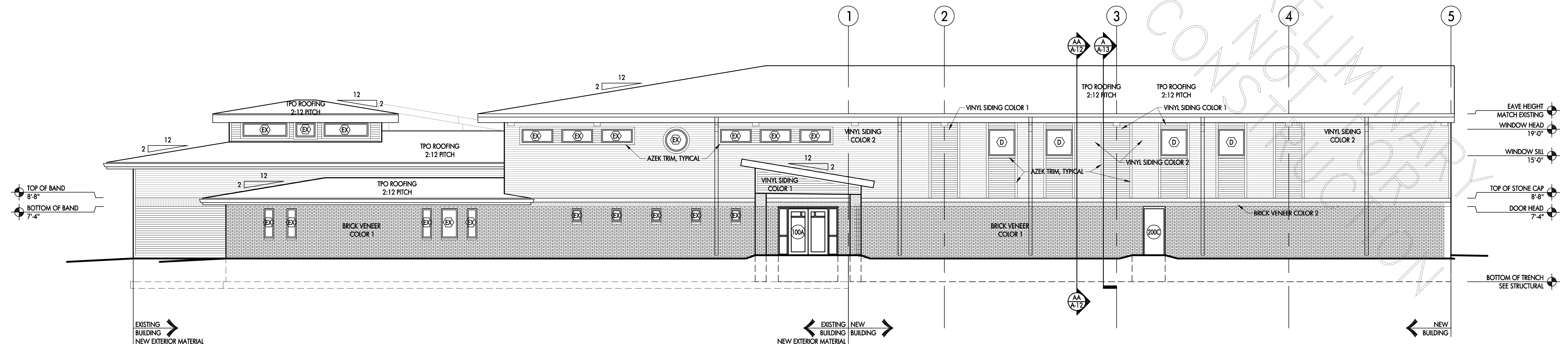
EAST ELEVATION: 40% MASONRY. REMAINING MATERIALS TWO TONES OF VINYL SIDING.
NORTH ELEVATION: 46% MASONRY. REMAINING MATERIALS TWO TONES OF VINYL SIDING.
WEST ELEVATION: 0% MASONRY. REMAINING MATERIALS TWO TONES OF VINYL SIDING.
SOUTH ELEVATION: 5% MASONRY. REMAINING MATERIALS TWO TONES OF VINYL SIDING.



EAST ELEVATION AREA "100"



EAST ELEVATION AREA "200"



NORTH ELEVATION

1/8" = 1'-0"





MAIN - EAST ELEVATION

N.T.S.



NORTHWEST ELEVATION

N.T.S.

7/25/2016
MERIT SET

© 2016
Martin Gardner
Architecture P.C.

FIRST UNITED METHODIST CHURCH OF NORTH LIBERTY
SANCTUARY AND EDUCATION ADDITION
85 NORTH JONES BOULEVARD
NORTH LIBERTY, IOWA 52307

MGA
MARTIN GARDNER
ARCHITECTURE

700 11TH STREET
SUITE 200
MARION, IOWA
52302
(319) 377-7604

WWW.MARTINGARDNERARCH.COM

11502 390TH ST
STRAWBERRY POINT,
IOWA 52076
(563) 933-4712

A-9
G0594.02

PRELIMINARY - NOT FOR CONSTRUCTION

AIRO LED SERIES AREA/SITE/ROAD LIGHTER

Cat.#

Job

Type

TYPE BB



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Construction:

- Stylish vertically finned die-cast and extruded aluminum for maximum heat dissipation
- Separate optical and electrical compartment for improved thermal management and optimum component operation

- EPA: 8L – .50ft²
16L – .62 ft²
24L – .74 ft²

Optics:

- Premium engineered individual acrylic lenses deliver IES Type II, III, IV and V distributions
- Lens distributions are field rotatable (in 90° increments) or exchangeable for job site fine-tuning
- 3000K, 4000K, or 5000K (70 CRI) CCT
- Zero uplight

Electrical:

- Configured with 8, 16, or 24 high current and high output LEDs to replace 150, 250 and 400W HID respectively
- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40° C to 40° C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 10KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is consumed

Controls:

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control

- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0-10V dimming leads available for use with control devices (provided by others)
- In addition, AIRO can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbellighting.com/sitesync for more details.

Installation:

- Tool-less entry to wiring/driver compartment
- Universal mounting block works with #2 drill pattern (See page 4 illustration)
- Fixture ships with slotted mounting block to accommodate wide range of drill patterns for easy retrofit opportunities (See page 4 illustration for dimensions)
- Mast arm fitter accessory or option available for 2-3/8" OD brackets

Finish:

- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

Listings:

- DesignLights Consortium (DLC) qualified, consult DLC website for more details: <http://www.designlights.org/QPL>
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- IP65 optical assembly
- IDA approved

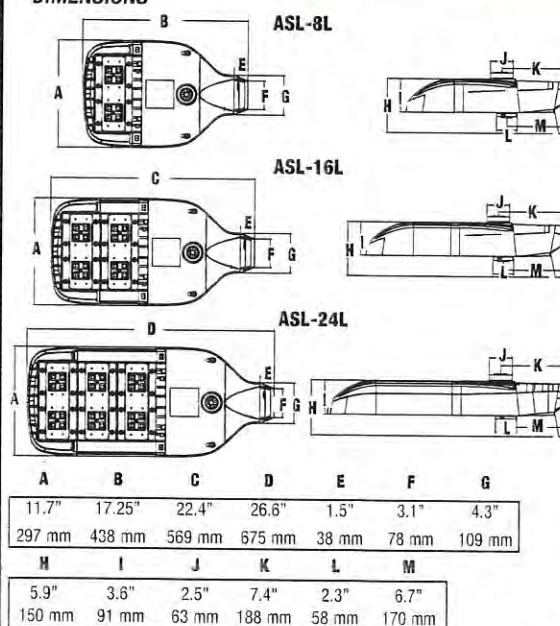
PRODUCT IMAGE(S)

ASL-24L

ASL-16L

ASL-8L

DIMENSIONS



SHIPPING INFORMATION

| Catalog Number | G.W.(kg)/CTN | Carton Dimensions | | |
|----------------|--------------|-------------------|-----------------|------------------|
| | | Length Inch (cm) | Width Inch (cm) | Height Inch (cm) |
| ASL-8L | 15 (6.3) | 20.75 (52.7) | 15.125 (38.4) | 6.9375 (17.6) |
| ASL-16L | 19 (8.6) | 25 (63.5) | 15.125 (38.4) | 6.9375 (17.6) |
| ASL-24L | 24 (10.8) | 25 (63.5) | 15.125 (38.4) | 6.9375 (17.6) |

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION - STOCK CONFIGURATIONS

| Catalog Number | Description | Mtg. | Distribution | Wattage | # Drivers | Drive Current | Voltage | CCT | Lumens | LPW | Weight lbs. (kg) |
|----------------|---|------|--------------|---------|-----------|---------------|-----------|-------|--------|-----|------------------|
| ASL-16L-3 | Medium size 16 LED configuration, Dark Bronze | Arm | Type III | 123 | 1 | @2100mA | 120V-277V | 4000K | 11,153 | 91 | 18 (8.16) |
| ASL-16L-4 | Medium size 16 LED configuration, Dark Bronze | Arm | Type IV | 123 | 1 | @2100mA | 120V-277V | 4000K | 11,417 | 93 | 18 (8.16) |
| ASL-24L-3 | Large size 24 LED configuration, Dark Bronze | Arm | Type III | 181 | 1 | @2100mA | 120V-277V | 4000K | 16,364 | 91 | 20 (9.07) |
| ASL-24L-4 | Large size 24 LED configuration, Dark Bronze | Arm | Type IV | 181 | 1 | @2100mA | 120V-277V | 4000K | 16,752 | 93 | 20 (9.07) |
| ASL-24L-3-HO | Large size 24 LED configuration, Dark Bronze | Arm | Type III | 225 | 1 | @700mA | 120V-277V | 4000K | 20,927 | 93 | 20 (9.07) |
| ASL-24L-4-HO | Large size 24 LED configuration, Dark Bronze | Arm | Type IV | 225 | 1 | @700mA | 120V-277V | 4000K | 21,073 | 93 | 20 (9.07) |

CONFIGURABLE ORDERING INFORMATION NEXT PAGE



HUBBELL
Outdoor Lighting

Hubbell Outdoor Lighting • 701 Millennium Boulevard • Greenville, SC 29607 • Phone: 864-678-1000

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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ASLED-SPEC 3/17

ORDERING INFORMATION

ORDERING EXAMPLE: ASL-A-24L4K-210-4-U-DB

| FAMILY | MOUNTING | CCT | DISTRIBUTION | COLOR | OPTIONS |
|-----------------------------|---|---|--|---|---|
| ASL ¹ ASL Series | A Arm MAF Mast Arm Fitter | 3K 3000K, 70 CRI 4K 4000K, 70 CRI 5K 5000K, 70 CRI | 2 IES TYPE II 3 IES TYPE III 4 IES TYPE IV 5 IES TYPE V | BL Black DB Dark Bronze GR Gray PS Platinum Silver WH White CC ⁵ Custom Color | F Fusing (voltage specified and determined by voltage field) 7PR ² 7-pin ANSI twist-lock photocell receptacle RPA(X) Round pole adapter (Replace X with 3, 4, 5 or 6 indicating pole diameter) SWP ^{7,8} SiteSync pre-commissioned |
| # LEDS | DRIVE CURRENT | VOLTAGE | | | |
| 8L 8 High brightness LEDs | 210 ⁴ 2100mA 070 ³ 700mA | U Universal 1 120 2 208 3 240 4 277 5 ⁴ 480 F ⁴ 347 | | | |
| 16L 16 High brightness LEDs | | | | | |
| 24L 24 High brightness LEDs | | | | | |

1 - Order poles with #2 drill pattern

2 - 7-pin ANSI C136.41—2013 receptacle for use with standard Twist-Lock® photo controls, shorting caps, and ANSI C136.41 external wireless control devices with and without motion/occupancy override

3 - For 24L configurations only

4 - 347V-480V not for 24L, 210 - 2100mA option

5 - Contact factory for minimum order quantities

6 - Not available with 347V or 480V

7 - Not available with 208, 240 or 480V

8 - Not available with Occupancy/Motion Sensors

Accessories and Services (Ordered Separately)

| Catalog Number | Description |
|----------------|---|
| SWUSB* | SiteSync loaded on USB flash drive (Windows based only) |
| SWTAB* | SiteSync Windows Tablet |
| SWBRG* | SiteSync Wireless Bridge Node |

* When ordering with SiteSync, one of the following interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node.
+ If needed, an additional Bridge Node can be ordered.

ACCESSORIES - Order Separately

| Catalog Number | Description |
|---------------------------------|--|
| ASL-MAF | Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms |
| SETA2-XX ¹ | Square pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon) |
| RETA2-XX ¹ | Round pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon), requires CL1S-RPA4-ACC-XX for each luminaire |
| TETA2-XX ¹ | Hexagonal pole tenon adapter (3 at 120 degrees) (2 3/8" OD tenon) |
| ASL-EHS-BL | External house side shield (Kit Qty's: ASL8L - 1, ASL16L - 2, ASL24L - 3) |
| ASL-ESS-BL | External side shield (Kit Qty's: ASL8L - 1, ASL16L - 2, ASL24L - 3) |
| ASL-ARMMTG-XX ¹ | Arm mounting kit for side of pole attachment |
| RATA-XX ¹ | Single round arm tenon fits 2 3/8" OD, requires ASL-MAF accessory kit for stocked configurations |
| SCP-REMOTE | Remote control for SCPW option. Order at least one per project to program and control |
| CL1S-RPA(*)-ACC-XX ¹ | Round Pole Adapter (* denotes pole diameter; 3 = 3 1/4" - 3 3/4"; 4 = 3 7/8" - 6") |
| WB-AREA-XX ¹ | Wall bracket. Requires universal mounting block option. |
| PTL-1 | Photocontrol - twist-lock cell (120V) - Requires 7PR option |
| PTL-8 | Photocontrol - twist-lock cell (120-277V) - Requires 7PR option |
| PSC | Shorting cap - twist-lock - Requires 7PR option |
| ASL8L2LENS | Type II, 2 lenses included (see table to right for kit quantities) |
| ASL8L3LENS | Type III, 2 lenses included (see table to right for kit quantities) |
| ASL8L4LENS | Type IV, 2 lenses included (see table to right for kit quantities) |
| ASL8L5LENS | Type V, 2 lenses included (see table to right for kit quantities) |

1 - Replace XX with color choice, eg.: DB for Dark Bronze



RATA



ROUND POLE ADAPTER



WB-AREA-XX



| Product | Number of Kits | Number of Lenses |
|---------|----------------|------------------|
| ASL8L | 1 | 2 |
| ASL16L | 2 | 4 |
| ASL24L | 3 | 6 |

ASL-MAF installed

ASL-MAF - Fits 2-3/8" OD arms



ASL-EHS-BL

Wall Mount Accessory

WB-AREA-XX wall mount bracket designed for building mount applications



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ASLLED-SPEC 3/17

PERFORMANCE DATA

| | | | | 5K (5000K nominal, 70 CRI) | | | | | 4K (4000K nominal, 70 CRI) | | | | | 3K (3000K nominal, 70 CRI) | | | | |
|--------------|------------------|-----------------|---------------|-------------------------------|------------------|---|---|---|-------------------------------|------------------|---|---|---|-------------------------------|------------------|---|---|---|
| # OF LEDS | DRIVE CURRENT | SYSTEM WATTS | DIST. TYPE | LUMENS | LPW ¹ | B | U | G | LUMENS | LPW ¹ | B | U | G | LUMENS | LPW ¹ | B | U | G |
| 8 | 2100 | 62 | 2 | 6304 | 102 | 1 | 0 | 1 | 5775 | 93 | 1 | 0 | 1 | 5068 | 82 | 1 | 0 | 1 |
| | | | 3 | 6139 | 99 | 1 | 0 | 1 | 5624 | 91 | 1 | 0 | 1 | 4935 | 80 | 1 | 0 | 1 |
| | | | 4 | 6285 | 101 | 1 | 0 | 1 | 5757 | 93 | 1 | 0 | 1 | 5149 | 83 | 1 | 0 | 1 |
| | | | 5 | 6194 | 100 | 3 | 0 | 1 | 5674 | 92 | 3 | 0 | 1 | 4979 | 80 | 3 | 0 | 1 |
| 16 | | 123 | 2 | 12502 | 102 | 2 | 0 | 2 | 11453 | 93 | 2 | 0 | 2 | 10441 | 85 | 2 | 0 | 2 |
| | | | 3 | 12175 | 99 | 2 | 0 | 2 | 11153 | 91 | 2 | 0 | 2 | 10168 | 83 | 2 | 0 | 2 |
| | | | 4 | 12463 | 101 | 2 | 0 | 2 | 11417 | 93 | 2 | 0 | 2 | 10409 | 85 | 2 | 0 | 2 |
| | | | 5 | 12283 | 100 | 4 | 0 | 2 | 11253 | 91 | 4 | 0 | 2 | 10259 | 83 | 4 | 0 | 2 |
| 24 | | 181 | 2 | 18343 | 101 | 3 | 0 | 3 | 16804 | 93 | 3 | 0 | 3 | 15437 | 85 | 3 | 0 | 3 |
| | | | 3 | 17863 | 99 | 3 | 0 | 3 | 16364 | 90 | 3 | 0 | 3 | 15033 | 83 | 3 | 0 | 3 |
| | | | 4 | 18297 | 101 | 2 | 0 | 2 | 16752 | 93 | 2 | 0 | 2 | 15389 | 85 | 2 | 0 | 2 |
| | | | 5 | 18022 | 100 | 4 | 0 | 2 | 16510 | 91 | 4 | 0 | 2 | 15167 | 84 | 4 | 0 | 2 |
| 24 | 700 | 225 | 2 | 21063 | 94 | 3 | 0 | 3 | 20880 | 93 | 3 | 0 | 3 | 18474 | 82 | 3 | 0 | 3 |
| | | | 3 | 21111 | 94 | 3 | 0 | 3 | 20927 | 93 | 3 | 0 | 3 | 18516 | 82 | 3 | 0 | 3 |
| | | | 4 | 21258 | 94 | 3 | 0 | 2 | 21073 | 94 | 3 | 0 | 2 | 18645 | 83 | 3 | 0 | 2 |
| | | | 5 | 21331 | 95 | 4 | 0 | 2 | 21145 | 94 | 4 | 0 | 2 | 18709 | 83 | 4 | 0 | 2 |

1 - Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

| # OF LEDS | DRIVE CURRENT (mA) | INPUT VOLTAGE (V) | SYSTEM POWER (w) | CURRENT (Amps) |
|-----------|-----------------------|----------------------|---------------------|-------------------|
| 8 | 1@(2100mA) | 120 | 62 | 0.52 |
| | | 208 | 62 | 0.30 |
| | | 240 | 62 | 0.26 |
| | | 277 | 62 | 0.22 |
| 16 | | 120 | 123 | 1.03 |
| | | 208 | 123 | 0.60 |
| | | 240 | 123 | 0.52 |
| | | 277 | 123 | 0.45 |
| 24 | | 120 | 181 | 1.49 |
| | | 208 | 181 | 0.86 |
| | | 240 | 181 | 0.74 |
| | | 277 | 181 | 0.64 |
| 24 | 1@(700mA) | 120 | 225 | 1.88 |
| | | 208 | 225 | 1.08 |
| | | 240 | 225 | 0.94 |
| | | 277 | 225 | 0.81 |

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

| AMBIENT TEMPERATURE | LUMEN MULTIPLIER |
|---------------------|------------------|
| 0° C | 1.06 |
| 10° C | 1.03 |
| 20° C | 1.01 |
| 25° C | 1.00 |
| 30° C | 0.99 |
| 40° C | 0.97 |
| 50° C | 0.94 |

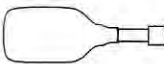
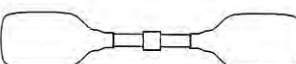
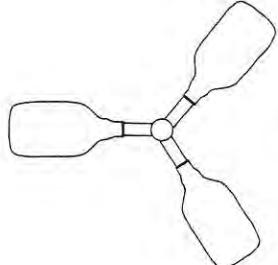
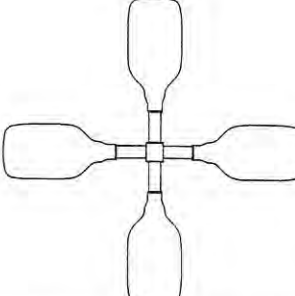
Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

| Ambient Temp. | OPERATING HOURS | | | | | L70 (hours) |
|------------------|-----------------|--------|-------------------------------------|--------|---------|----------------|
| | 0 | 25,000 | TM-21-11 ¹ L90 36,000 | 50,000 | 100,000 | |
| 25°C / 77°F | 1.00 | 0.93 | 0.90 | 0.86 | 0.75 | >125,000 |
| 40°C / 104°F | 0.99 | 0.90 | 0.86 | 0.81 | 0.67 | >88,000 |

1. Projected per IESNA TM-21-11 (* Cree XP-L, 2100mA, 105°C Ts, 6,000hrs)

EPA

| | | | |
|--|----------|-----------|------|
|  | Config. | Luminaire | EPA |
| | 1 @ 90° | ASL8L | .50 |
| | | ASL16L | .62 |
|  | Config. | Luminaire | EPA |
| | 2 @ 180° | ASL8L | 1.00 |
| | | ASL16L | 1.24 |
|  | Config. | Luminaire | EPA |
| | 3 @ 120° | ASL8L | .88 |
| | | ASL16L | .99 |
|  | Config. | Luminaire | EPA |
| | 4 @ 90° | ASL8L | 1.42 |
| | | ASL16L | 1.66 |
| | Config. | Luminaire | EPA |
| | | ASL24L | 1.11 |
| | | ASL24L | 1.90 |



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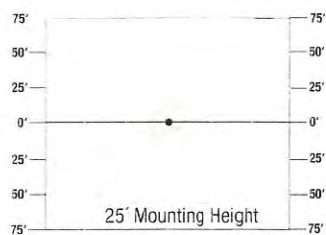
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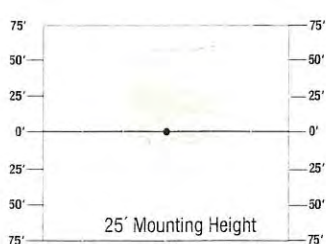
ASLLED-SPEC 3/17

PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com

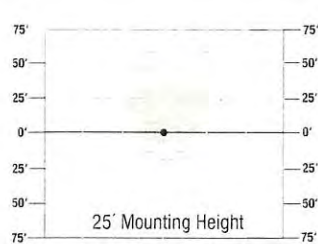
ASL-24L-5K Type V



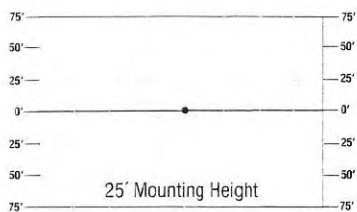
ASL-24L-5K Type IV



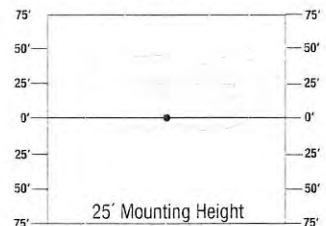
ASL-24L-5K Type IV HS



ASL-24L-5K Type II

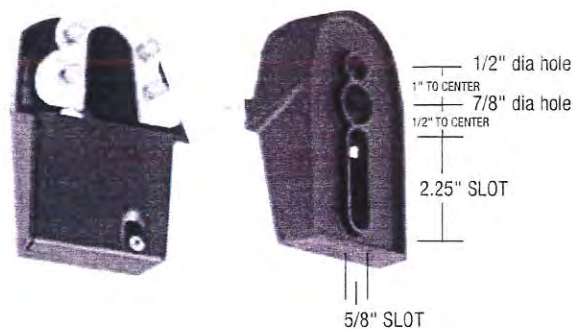


ASL-24L-5K Type III

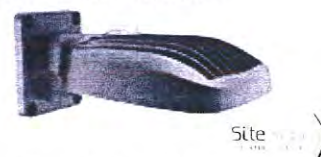


ARM/MOUNTING BLOCK

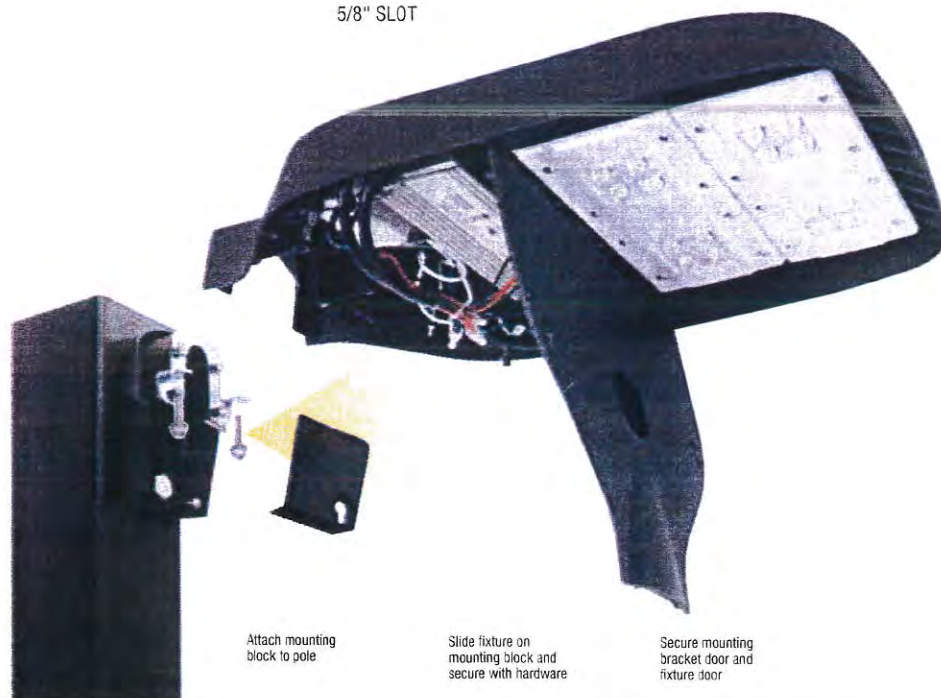
Fixture ships with universal mounting block for ease of installation. Compatible with #2 drill pattern.



SWP & SWPM - SiteSync™



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.



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ASLLED-SPEC 3/17

SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

Cat.#

Job

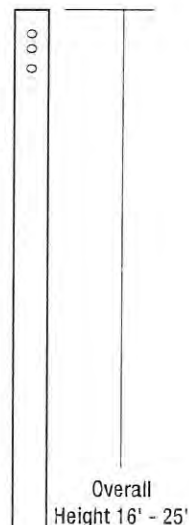
Type

TYPE BB



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Approvals



APPLICATIONS

- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

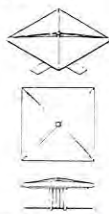
CONSTRUCTION

- SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.238" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- BASE COVER:** Two-piece square aluminum base cover included standard
- POLE CAP:** Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HAND HOLE:** Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

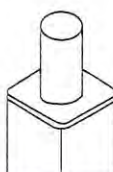
FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable; Internal protective coating available

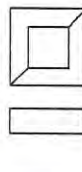
POLE CAP



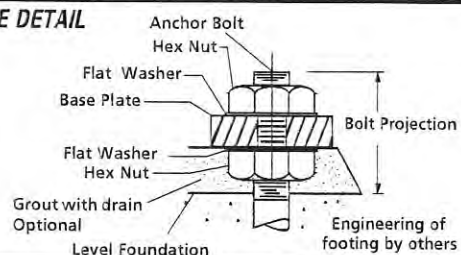
TENON



BASE COVER



BASE DETAIL



ORDERING INFORMATION

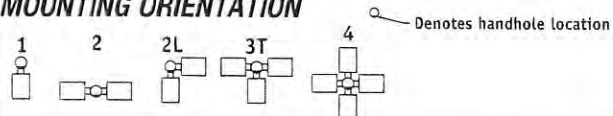
ORDERING EXAMPLE:

SSS-H - **25** - **40** - **A/B/C** - **2L** - **S2** - **DB** - **UL**

Reference page 2 for available configurations

| SERIES | HEIGHT | SHAFT | THICKNESS | MOUNTING | DRILL PATTERN | FINISH | OPTIONS |
|--|----------------------------------|----------------------------------|----------------------------------|---|--------------------------------------|---|--|
| SSS-H Square Straight Steel Pole Hubbell Outdoor | Reference page 2 Ordering matrix | Reference page 2 Ordering matrix | Reference page 2 Ordering matrix | 1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.375" OD) TB Tenon (2.875" OD) TC Tenon (3.5" OD) TR¹ Removable Tenon (2.375 x 4.25) OT No drilling (includes pole cap) | S2 #2 2 bolt 3.5" pattern | DB Dark Bronze BL Black WH White GR Gray PS Platinum Silver RD Red (premium color) FG Forest Green (premium color) CC Custom Color | HSC Internal Coating (Hubbell Seal) GFI² 20 Amp GFCI Receptacle and Cover EHH² Extra Handhole C05² .5" Coupling C07² .75" Coupling C20² 2" Coupling MPB² Mid-pole Luminaire Bracket VM2 2nd mode vibration damper LAB Less Anchor Bolts UL UL Certified |

MOUNTING ORIENTATION



ACCESSORIES- Order Separately

| Catalog Number | Description |
|------------------------|---------------------------|
| VM1¹ | 1st mode vibration damper |
| VM2SXX | 2nd mode vibration damper |

- Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: **SSS-H-25-40-A-1-S2-TR-DB**
- Specify option location using logic found on page 2 (**Option Orientation**)
- VM1 required on poles 25" and taller with EPA of less than 1.



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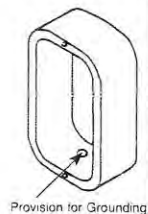
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ORDERING INFORMATION Cont.

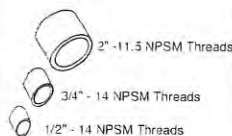
| Catalog Number | Height | | Nominal Shaft Dimensions | Wall Thickness | Bolt Circle (suggested) | Bolt Circle (range) | Bolt Square (range) | Base Plate Square | Anchor bolt size | Bolt Projection | Pole weight |
|---------------------|--------|--------|--------------------------|----------------|-------------------------|---------------------|---------------------|-------------------|-------------------|-----------------|-------------|
| | Feet | Meters | | | | | | | | | |
| SSS-H-10-40-A-XX-XX | 10 | 3.0 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 77 |
| SSS-H-12-40-A-XX-XX | 12 | 3.7 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 90 |
| SSS-H-14-40-A-XX-XX | 14 | 4.3 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 103 |
| SSS-H-16-40-A-XX-XX | 16 | 4.9 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 116 |
| SSS-H-18-40-A-XX-XX | 18 | 5.5 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 129 |
| SSS-H-20-40-A-XX-XX | 20 | 6.1 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 142 |
| SSS-H-25-40-A-XX-XX | 25 | 7.6 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 175 |
| | | | | | | | | | | | |
| SSS-H-14-40-B-XX-XX | 14 | 4.3 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 152 |
| SSS-H-16-40-B-XX-XX | 16 | 4.9 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 171 |
| SSS-H-18-40-B-XX-XX | 18 | 5.5 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 190 |
| SSS-H-20-40-B-XX-XX | 20 | 6.1 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 209 |
| SSS-H-25-40-B-XX-XX | 25 | 7.6 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 257 |
| SSS-H-30-40-B-XX-XX | 30 | 9.1 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 304 |
| | | | | | | | | | | | |
| SSS-H-16-50-B-XX-XX | 16 | 4.9 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 219 |
| SSS-H-18-50-B-XX-XX | 18 | 5.5 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 243 |
| SSS-H-20-50-B-XX-XX | 20 | 6.1 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 267 |
| SSS-H-25-50-B-XX-XX | 25 | 7.6 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 327 |
| SSS-H-30-50-B-XX-XX | 30 | 9.1 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 387 |
| | | | | | | | | | | | |
| SSS-H-25-50-C-XX-XX | 25 | 7.6 | 5" square | .25" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 427 |
| SSS-H-30-50-C-XX-XX | 30 | 9.1 | 5" square | .25" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 507 |
| | | | | | | | | | | | |
| SSS-H-20-60-B-XX-XX | 20 | 6.1 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 329 |
| SSS-H-25-60-B-XX-XX | 25 | 7.6 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 404 |
| SSS-H-30-60-B-XX-XX | 30 | 9.1 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 479 |
| SSS-H-35-60-B-XX-XX | 35 | 10.7 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 554 |
| SSS-H-40-60-B-XX-XX | 40 | 12.2 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 629 |
| | | | | | | | | | | | |
| SSS-H-30-60-C-XX-XX | 30 | 9.1 | 6" square | .25" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 614 |
| SSS-H-35-60-C-XX-XX | 35 | 10.7 | 6" square | .25" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 712 |
| SSS-H-40-60-C-XX-XX | 40 | 12.2 | 6" square | .25" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 809 |

NOTE: Factory supplied template must be used when setting anchor bolts. Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

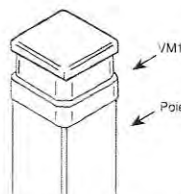
EHH - EXTRA HANDHOLE



C05 - C07 - C20 - COUPLING



VM1 - VIBRATION DAMPER 1ST MODE



Field Installed Pole Top damper designed to reduce pole top deflection or sway. VM1 is required for pole systems 25' and taller with a total EPA of 1.0 or less.

VM2 - VIBRATION DAMPER 2ND MODE



Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

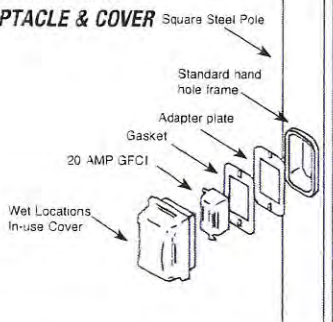
VM2SXX - VIBRATION DAMPER 2ND MODE



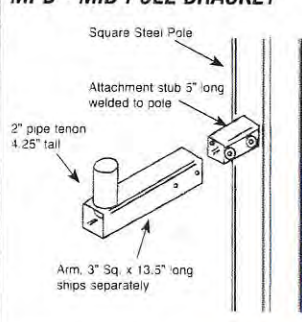
VM2S08 - 8'
VM2S12 - 12'
VM2S16 - 16'
VM2S20 - 20'
VM2S24 - 24'

Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

GFI - 20 AMP GFCI RECEPTACLE & COVER

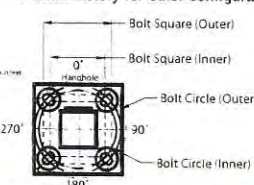


MPB - MID POLE BRACKET



OPTION ORIENTATION

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: SSS-H-20-40-A-TA-08-C07-0-15 (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.



For more information about pole vibration and vibration dampers, please consult http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HLOI0022.pdf. Due to our continued efforts to improve our products, product specifications are subject to change without notice.



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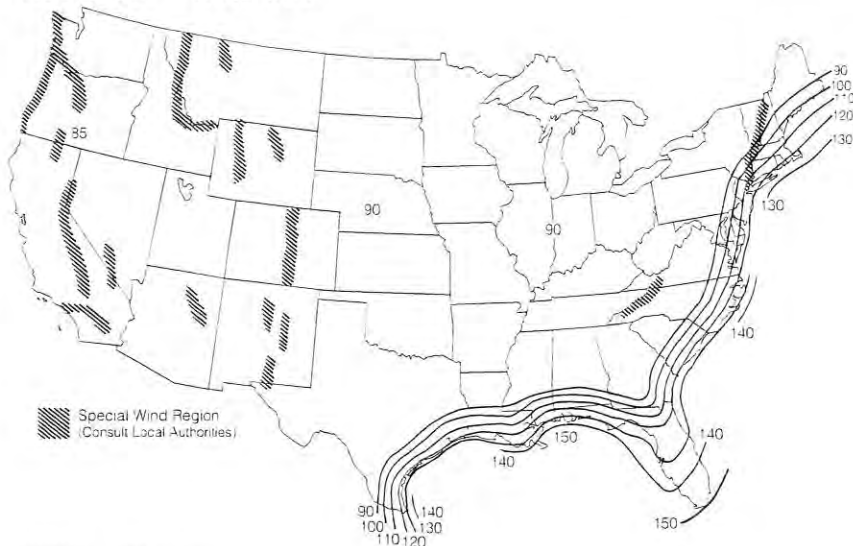
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Printed in USA SSS-H POLES-SPEC 4/16

ASCE7-05 WIND MAP



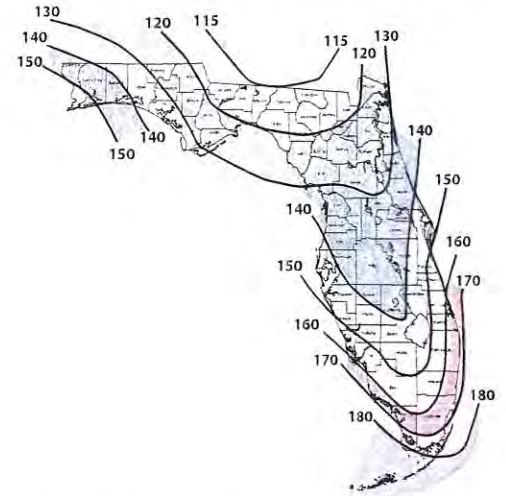
HAWAII – 105 mph
PUERTO RICO – 145 mph

| ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds | | | | | | | |
|--|------|------|------|------|------|------|------|
| Catalog Number | 85 | 90 | 100 | 110 | 120 | 105 | 145 |
| SSS-H-10-40-A | 25.0 | 25.0 | 25.0 | 20.6 | 17.0 | 22.3 | 11.0 |
| SSS-H-12-40-A | 25.0 | 25.0 | 20.0 | 16.1 | 13.2 | 18.0 | 8.1 |
| SSS-H-14-40-A | 23.1 | 20.4 | 16.1 | 12.3 | 10.2 | 14.3 | 5.9 |
| SSS-H-16-40-A | 19.0 | 16.7 | 13.0 | 10.1 | 7.9 | 11.5 | 4. |
| SSS-H-18-40-A | 15.6 | 13.6 | 10.0 | 7.3 | 5.9 | 9.0 | 2.6 |
| SSS-H-20-40-A | 12.7 | 10.9 | 7.9 | 5.9 | 4.2 | 6.9 | 1.3 |
| SSS-H-25-40-A | 7.3 | 5.9 | 3.8 | 2.1 | 0.8 | 2.9 | NR |
| | | | | | | | |
| SSS-H-14-40-B | 25.0 | 25.0 | 23.3 | 18.6 | 15.1 | 20.8 | 9.2 |
| SSS-H-16-40-B | 25.0 | 24.9 | 19.4 | 15.4 | 12.3 | 17.3 | 7.2 |
| SSS-H-18-40-B | 24.0 | 20.3 | 16.1 | 12.5 | 9.8 | 14.2 | 5.3 |
| SSS-H-20-40-B | 20.2 | 17.5 | 13.2 | 10.1 | 7.7 | 11.6 | 3.8 |
| SSS-H-25-40-B | 12.3 | 11.0 | 7.9 | 5.5 | 3.7 | 6.7 | 0.7 |
| SSS-H-30-40-B | 8.0 | 6.6 | 4.1 | 2.2 | 0.8 | 3.1 | NR |
| | | | | | | | |
| SSS-H-16-50-B | 25.0 | 25.0 | 25.0 | 24.3 | 20.1 | 25.0 | 12.3 |
| SSS-H-18-50-B | 25.0 | 25.0 | 25.0 | 20.4 | 16.4 | 22.9 | 9.6 |
| SSS-H-20-50-B | 25.0 | 25.0 | 21.3 | 16.7 | 13.2 | 18.3 | 7.2 |
| SSS-H-25-50-B | 20.7 | 17.3 | 13.3 | 9.8 | 7.2 | 11.5 | 2.6 |
| SSS-H-30-50-B | 13.5 | 11.3 | 7.7 | 4.9 | 2.3 | 6.2 | NR |
| SSS-H-25-50-C | 25.0 | 25.0 | 19.4 | 15.1 | 11.7 | 17.1 | 6.0 |
| SSS-H-30-50-C | 20.1 | 17.3 | 12.7 | 9.3 | 5.6 | 10.9 | 2.1 |
| | | | | | | | |
| SSS-H-20-60-B | 25.0 | 25.0 | 25.0 | 25.0 | 20.2 | 25.0 | 11.5 |
| SSS-H-25-60-B | 25.0 | 25.0 | 20.6 | 15.6 | 11.3 | 18.0 | 5.2 |
| SSS-H-30-60-B | 21.4 | 18.1 | 12.9 | 8.8 | 5.7 | 10.7 | NR |
| SSS-H-35-60-B | 14.0 | 11.3 | 6.9 | 3.6 | 1.0 | 5.2 | NR |
| SSS-H-40-60-B | 8.1 | 5.3 | 2.2 | NR | NR | NR | NR |
| SSS-H-30-60-C | 24.3 | 20.5 | 14.6 | 10.2 | 6.8 | 12.2 | 1.3 |
| SSS-H-35-60-C | 16.6 | 13.5 | 8.6 | 4.9 | 2.1 | 6.6 | NR |
| SSS-H-40-60-C | 10.6 | 7.9 | 3.7 | 0.6 | NR | 2.1 | NR |

NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HL30022.pdf
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings

FLORIDA REGION WIND MAP



- Florida region wind map above is based upon 3-second gust winds and the 2010 Florida Building Code

| Florida Building Code 2010 EPA Load Rating - 3 second gust wind speeds | | | | | | | | |
|--|------|------|------|------|------|------|------|------|
| Catalog Number | 115 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| SSS-H-10-40-A | 25.0 | 25.0 | 25.0 | 25.0 | 21.4 | 18.4 | 15.9 | 13.9 |
| SSS-H-12-40-A | 25.0 | 25.0 | 23.6 | 19.8 | 16.7 | 14.2 | 12.1 | 10.4 |
| SSS-H-14-40-A | 25.0 | 23.1 | 19.0 | 15.7 | 13.1 | 10.9 | 99.1 | 7.6 |
| SSS-H-16-40-A | 20.3 | 18.7 | 15.2 | 12.3 | 10.1 | 8.2 | 6.7 | 5.4 |
| SSS-H-18-40-A | 16.3 | 15.0 | 11.9 | 9.4 | 7.5 | 5.9 | 4.5 | 3.4 |
| SSS-H-20-40-A | 13.6 | 11.9 | 9.2 | 7.1 | 5.3 | 3.9 | 2.7 | 1.7 |
| SSS-H-25-40-A | 7.4 | 6.2 | 4.1 | 2.5 | 1.1 | NR | NR | NR |
| | | | | | | | | |
| SSS-H-14-40-B | 25.0 | 23.6 | 19.4 | 16.1 | 13.4 | 11.2 | 9.4 | 7.3 |
| SSS-H-16-40-B | 21.4 | 19.2 | 15.6 | 12.7 | 10.4 | 8.5 | 6.9 | 5.6 |
| SSS-H-18-40-B | 17.2 | 15.4 | 12.2 | 9.7 | 7.7 | 6.1 | 4.7 | 3.6 |
| SSS-H-20-40-B | 13.9 | 12.3 | 9.5 | 7.3 | 5.5 | 4.1 | 2.9 | 1.9 |
| SSS-H-25-40-B | 7.7 | 6.4 | 4.3 | 2.6 | 1.3 | NR | NR | NR |
| SSS-H-30-40-B | 3.2 | 2.1 | NR | NR | NR | NR | NR | NR |
| | | | | | | | | |
| SSS-H-16-50-B | 25.0 | 25.0 | 25.0 | 25.0 | 21.4 | 18.2 | 15.5 | |
| SSS-H-18-50-B | 25.0 | 25.0 | 25.0 | 24.4 | 20.4 | 17.0 | 14.2 | 11.3 |
| SSS-H-20-50-B | 25.0 | 25.0 | 24.4 | 19.9 | 16.3 | 13.4 | 11.0 | 8.9 |
| SSS-H-25-50-B | 21.8 | 19.3 | 15.0 | 11.5 | 8.8 | 6.5 | 4.7 | 3.1 |
| SSS-H-30-50-B | 13.7 | 11.7 | 8.2 | 5.5 | 3.3 | 1.5 | NR | NR |
| SSS-H-25-50-C | 21.8 | 19.3 | 15.0 | 11.5 | 8.8 | 6.5 | 4.7 | 3.1 |
| SSS-H-30-50-C | 13.7 | 11.7 | 8.2 | 5.5 | 3.3 | 1.5 | NR | NR |
| | | | | | | | | |
| SSS-H-20-60-B | 25.0 | 25.0 | 25.0 | 21.9 | 17.8 | 14.5 | 11.7 | 9.4 |
| SSS-H-25-60-B | 23.8 | 20.9 | 16.1 | 12.3 | 9.2 | 6.6 | 4.5 | 2.3 |
| SSS-H-30-60-B | 14.6 | 12.3 | 8.4 | 5.3 | 2.8 | 0.3 | NR | NR |
| SSS-H-35-60-B | 7.5 | 5.6 | 2.4 | NR | NR | NR | NR | NR |
| SSS-H-40-60-B | 1.8 | NR | NR | NR | NR | NR | NR | NR |
| SSS-H-30-60-C | 14.6 | 12.3 | 8.4 | 5.3 | 2.8 | 0.3 | NR | NR |
| SSS-H-35-60-C | 7.5 | 5.6 | 2.4 | NR | NR | NR | NR | NR |
| SSS-H-40-60-C | 1.8 | NR | NR | NR | NR | NR | NR | NR |

AIRO LED SERIES AREA/SITE/ROAD LIGHTER

Cat.#

Job

Type

TYPE B-2



HUBBELL
Outdoor Lighting

Approvals

SPECIFICATIONS

Construction:

- Stylish vertically finned die-cast and extruded aluminum for maximum heat dissipation
- Separate optical and electrical compartment for improved thermal management and optimum component operation
- EPA: 8L – .50ft²
16L – .62 ft²
24L – .74 ft²

Optics:

- Premium engineered individual acrylic lenses deliver IES Type II, III, IV and V distributions
- Lens distributions are field rotatable (in 90° increments) or exchangeable for job site fine-tuning
- 3000K, 4000K, or 5000K (70 CRI) CCT
- Zero uplight

Electrical:

- Configured with 8, 16, or 24 high current and high output LEDs to replace 150, 250 and 400wHID respectively
- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40° C to 40° C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Field replaceable surge protection device provides 10KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is consumed

Controls:

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control

- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- 0-10V dimming leads available for use with control devices (provided by others)
- In addition, AIRO can be specified with SiteSync™ wireless control system for reduction in energy and maintenance cost while optimizing light quality 24/7. See ordering information or visit www.hubbelllighting.com/sitesync for more details.

Installation:

- Tool-less entry to wiring/driver compartment
- Universal mounting block works with #2 drill pattern (See page 4 illustration)
- Fixture ships with slotted mounting block to accommodate wide range of drill patterns for easy retrofit opportunities (See page 4 illustration for dimensions)
- Mast arm fitter accessory or option available for 2-3/8" OD brackets

Finish:

- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

Warranty:

Five year limited warranty (for more information visit: <http://www.hubbelloutdoor.com/resources/warranty/>)

Listings:

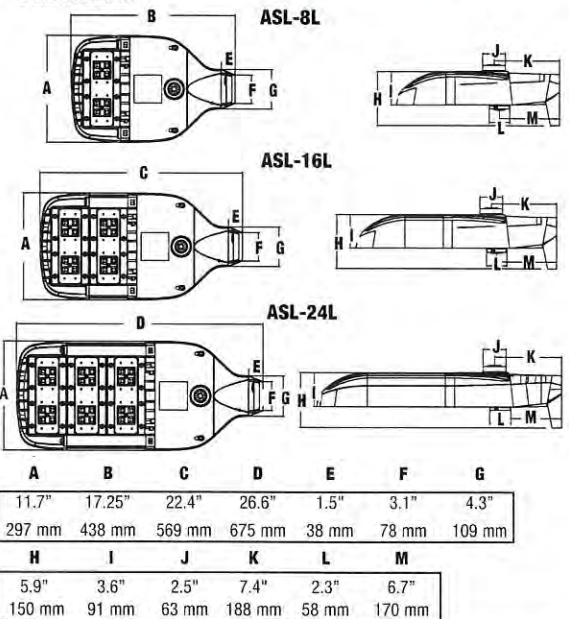
- DesignLights Consortium (DLC) qualified, consult DLC website for more details: <http://www.designlights.org/QPL>
- Listed to UL1598 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- 3G rated for ANSI C136.31 high vibration applications
- IP65 optical assembly
- IDA approved

PRODUCT IMAGE(S)

ASL-24L



DIMENSIONS



SHIPPING INFORMATION

| Catalog Number | G.W(kg)/CTN | Carton Dimensions | | |
|----------------|-------------|-------------------|-----------------|------------------|
| | | Length Inch (cm) | Width Inch (cm) | Height Inch (cm) |
| ASL-8L | 15 (6.8) | 20.75 (52.7) | 15.125 (38.4) | 6.9375 (17.6) |
| ASL-16L | 19 (8.6) | 25 (63.5) | 15.125 (38.4) | 6.9375 (17.6) |
| ASL-24L | 24 (10.8) | 25 (63.5) | 15.125 (38.4) | 6.9375 (17.6) |

CERTIFICATIONS/LISTINGS



ORDERING INFORMATION - STOCK CONFIGURATIONS

| Catalog Number | Description | Mtg. | Distribution | Wattage | # Drivers Drive Current | Voltage | CCT | Lumens | LPW | Weight lbs. (kg) |
|----------------|---|------|--------------|---------|----------------------------|-----------|-------|--------|-----|---------------------|
| ASL-16L-3 | Medium size 16 LED configuration, Dark Bronze | Arm | Type III | 123 | 1@2100mA | 120V-277V | 4000K | 11,153 | 91 | 18 (8.16) |
| ASL-16L-4 | Medium size 16 LED configuration, Dark Bronze | Arm | Type IV | 123 | 1@2100mA | 120V-277V | 4000K | 11,417 | 93 | 18 (8.16) |
| ASL-24L-3 | Large size 24 LED configuration, Dark Bronze | Arm | Type III | 181 | 1@2100mA | 120V-277V | 4000K | 16,364 | 91 | 20 (9.07) |
| ASL-24L-4 | Large size 24 LED configuration, Dark Bronze | Arm | Type IV | 181 | 1@2100mA | 120V-277V | 4000K | 16,752 | 93 | 20 (9.07) |
| ASL-24L-3-HO | Large size 24 LED configuration, Dark Bronze | Arm | Type III | 225 | 1@700mA | 120V-277V | 4000K | 20,927 | 93 | 20 (9.07) |
| ASL-24L-4-HO | Large size 24 LED configuration, Dark Bronze | Arm | Type IV | 225 | 1@700mA | 120V-277V | 4000K | 21,073 | 93 | 20 (9.07) |

CONFIGURABLE ORDERING INFORMATION NEXT PAGE



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ASLLED-SPEC 3/17

ORDERING INFORMATION

ORDERING EXAMPLE: ASL-A-24L4K-210-4-U-DB

| FAMILY | MOUNTING | CCT | DISTRIBUTION | COLOR | OPTIONS |
|-----------------------------|------------------------------|--|--|---|---|
| ASL ¹ ASL Series | A Arm MAF Mast Arm Fitter | 3K 3000K, 70 CRI 4K 4000K, 70 CRI 5K 5000K, 70 CRI | 2 IES TYPE II 3 IES TYPE III 4 IES TYPE IV 5 IES TYPE V | BL Black DB Dark Bronze GR Gray PS Platinum Silver WH White CC ⁵ Custom Color | F Fusing (voltage specified and determined by voltage field) 7PR ² 7-pin ANSI twist-lock photocell receptacle RPA(X) Round pole adapter (Replace X with 3, 4, 5 or 6 indicating pole diameter) SWP ^{7,8} SiteSync pre-commissioned |
| | | # LEDS | DRIVE CURRENT | VOLTAGE | |
| | | 8L 8 High brightness LEDs | 210 ⁴ 2100mA 070 ⁸ 700mA | U Universal | |
| | | 16L 16 High brightness LEDs | | 1 120 2 208 3 240 4 277 5 ⁴ 480 F ⁴ 347 | |
| | | 24L 24 High brightness LEDs | | | |

- 1 - Order poles with #2 drill pattern
2 - 7-pin ANSI C136.41—2013 receptacle for use with standard Twist-Lock® photo controls, shunting caps, and ANSI C136.41 external wireless control devices with and without motion/occupancy override
3 - For 24L configurations only
4 - 347V-480V not for 24L, 210 - 2100mA option
5 - Contact factory for minimum order quantities
6 - Not available with 347V or 480V
7 - Not available with 208, 240 or 480V
8 - Not available with Occupancy/Motion Sensors

Accessories and Services (Ordered Separately)

| Catalog Number | Description |
|----------------|---|
| SWUSB* | SiteSync loaded on USB flash drive (Windows based only) |
| SWTAB* | SiteSync Windows Tablet |
| SWBRG* | SiteSync Wireless Bridge Node |

* When ordering with SiteSync, one of the following interface options must be chosen and ordered separately. Each option contains the SiteSync License, GUI and Bridge Node. + If needed, an additional Bridge Node can be ordered.

ACCESSORIES - Order Separately

| Catalog Number | Description |
|---------------------------------|--|
| ASL-MAF | Mast arm kit with wildlife shield for mounting on 2 3/8" OD arms |
| SETA2-XX ¹ | Square pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon) |
| RETA2-XX ¹ | Round pole tenon adapter (4 at 90 degrees) (2 3/8" OD tenon), requires CL1S-RPA4-ACC-XX for each luminaire |
| TETA2-XX ¹ | Hexagonal pole tenon adapter (3 at 120 degrees) (2 3/8" OD tenon) |
| ASL-EHS-BL | External house side shield (Kit Qty's: ASL8L - 1, ASL16L - 2, ASL24L - 3) |
| ASL-ESS-BL | External side shield (Kit Qty's: ASL8L - 1, ASL16L - 2, ASL24L - 3) |
| ASL-ARMMTG-XX ¹ | Arm mounting kit for side of pole attachment |
| RATA-XX ¹ | Single round arm tenon fits 2 3/8" OD, requires ASL-MAF accessory kit for stocked configurations |
| SCP-REMOTE | Remote control for SCPW option. Order at least one per project to program and control |
| CL1S-RPA(*)-ACC-XX ¹ | Round Pole Adapter (* denotes pole diameter: 3 = 3 1/4" - 3 3/4"; 4 = 3 7/8" - 6") |
| WB-AREA-XX ¹ | Wall bracket. Requires universal mounting block option. |
| PTL-1 | Photocontrol - twist-lock cell (120V) - Requires 7PR option |
| PTL-8 | Photocontrol - twist-lock cell (120-277V) - Requires 7PR option |
| PSC | Shunting cap - twist-lock - Requires 7PR option |
| ASL8L2LENS | Type II, 2 lenses included (see table to right for kit quantities) |
| ASL8L3LENS | Type III, 2 lenses included (see table to right for kit quantities) |
| ASL8L4LENS | Type IV, 2 lenses included (see table to right for kit quantities) |
| ASL8L5LENS | Type V, 2 lenses included (see table to right for kit quantities) |

1 - Replace XX with color choice, eg.: DB for Dark Bronze

ASL-MAF installed

ASL-MAF - Fits 2-3/8" OD arms



ASL8L2LENS ASL8L3LENS ASL8L4LENS ASL8L5LENS

| Product | Number of Kits | Number of Lenses |
|---------|----------------|------------------|
| ASL8L | 1 | 2 |
| ASL16L | 2 | 4 |
| ASL24L | 3 | 6 |

Wall Mount Accessory

WB-AREA-XX wall mount bracket designed for building mount applications



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ASLLED-SPEC 3/17

PERFORMANCE DATA

| | | | | 5K (5000K nominal, 70 CRI) | | | | | 4K (4000K nominal, 70 CRI) | | | | | 3K (3000K nominal, 70 CRI) | | | | |
|--------------|------------------|-----------------|---------------|-------------------------------|------------------|---|---|---|-------------------------------|------------------|---|---|---|-------------------------------|------------------|---|---|---|
| # OF LEDS | DRIVE CURRENT | SYSTEM WATTS | DIST. TYPE | LUMENS | LPW ¹ | B | U | G | LUMENS | LPW ¹ | B | U | G | LUMENS | LPW ¹ | B | U | G |
| 8 | 2100 | 62 | 2 | 6304 | 102 | 1 | 0 | 1 | 5775 | 93 | 1 | 0 | 1 | 5068 | 82 | 1 | 0 | 1 |
| | | | 3 | 6139 | 99 | 1 | 0 | 1 | 5624 | 91 | 1 | 0 | 1 | 4935 | 80 | 1 | 0 | 1 |
| | | | 4 | 6285 | 101 | 1 | 0 | 1 | 5757 | 93 | 1 | 0 | 1 | 5149 | 83 | 1 | 0 | 1 |
| | | | 5 | 6194 | 100 | 3 | 0 | 1 | 5674 | 92 | 3 | 0 | 1 | 4979 | 80 | 3 | 0 | 1 |
| 16 | | 123 | 2 | 12502 | 102 | 2 | 0 | 2 | 11453 | 93 | 2 | 0 | 2 | 10441 | 85 | 2 | 0 | 2 |
| | | | 3 | 12175 | 99 | 2 | 0 | 2 | 11153 | 91 | 2 | 0 | 2 | 10168 | 83 | 2 | 0 | 2 |
| | | | 4 | 12463 | 101 | 2 | 0 | 2 | 11417 | 93 | 2 | 0 | 2 | 10409 | 85 | 2 | 0 | 2 |
| | | | 5 | 12283 | 100 | 4 | 0 | 2 | 11253 | 91 | 4 | 0 | 2 | 10259 | 83 | 4 | 0 | 2 |
| 24 | | 181 | 2 | 18343 | 101 | 3 | 0 | 3 | 16804 | 93 | 3 | 0 | 3 | 15437 | 85 | 3 | 0 | 3 |
| | | | 3 | 17863 | 99 | 3 | 0 | 3 | 16364 | 90 | 3 | 0 | 3 | 15033 | 83 | 3 | 0 | 3 |
| | | | 4 | 18287 | 101 | 2 | 0 | 2 | 16752 | 93 | 2 | 0 | 2 | 15389 | 85 | 2 | 0 | 2 |
| | | | 5 | 18022 | 100 | 4 | 0 | 2 | 16510 | 91 | 4 | 0 | 2 | 15167 | 84 | 4 | 0 | 2 |
| 24 | 700 | 225 | 2 | 21063 | 94 | 3 | 0 | 3 | 20880 | 93 | 3 | 0 | 3 | 18474 | 82 | 3 | 0 | 3 |
| | | | 3 | 21111 | 94 | 3 | 0 | 3 | 20927 | 93 | 3 | 0 | 3 | 18516 | 82 | 3 | 0 | 3 |
| | | | 4 | 21258 | 94 | 3 | 0 | 2 | 21073 | 94 | 3 | 0 | 2 | 18645 | 83 | 3 | 0 | 2 |
| | | | 5 | 21331 | 95 | 4 | 0 | 2 | 21145 | 94 | 4 | 0 | 2 | 18709 | 83 | 4 | 0 | 2 |

1 - Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown. Actual performance may differ as a result of end-user environment and application.

ELECTRICAL DATA

| # OF LEDS | DRIVE CURRENT (mA) | INPUT VOLTAGE (V) | SYSTEM POWER (w) | CURRENT (Amps) |
|-----------|-----------------------|----------------------|---------------------|-------------------|
| 8 | 1@(2100mA) | 120 | 62 | 0.52 |
| | | 208 | 62 | 0.30 |
| | | 240 | 62 | 0.26 |
| | | 277 | 62 | 0.22 |
| 16 | | 120 | 123 | 1.03 |
| | | 208 | 123 | 0.60 |
| | | 240 | 123 | 0.52 |
| | | 277 | 123 | 0.45 |
| 24 | | 120 | 181 | 1.49 |
| | | 208 | 181 | 0.86 |
| | | 240 | 181 | 0.74 |
| | | 277 | 181 | 0.64 |
| 24 | 1@(700mA) | 120 | 225 | 1.88 |
| | | 208 | 225 | 1.08 |
| | | 240 | 225 | 0.94 |
| | | 277 | 225 | 0.81 |

LUMINAIRE AMBIENT TEMPERATURE FACTOR (LATF)

| AMBIENT TEMPERATURE | LUMEN MULTIPLIER |
|---------------------|------------------|
| 0° C | 1.06 |
| 10° C | 1.03 |
| 20° C | 1.01 |
| 25° C | 1.00 |
| 30° C | 0.99 |
| 40° C | 0.97 |
| 50° C | 0.94 |


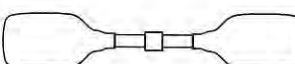
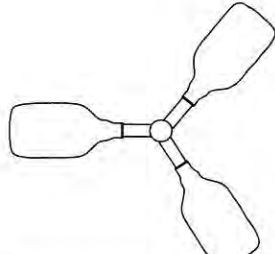
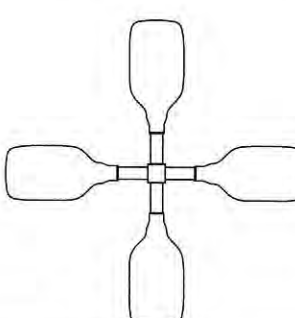

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

PROJECTED LUMEN MAINTENANCE

| Ambient Temp. | OPERATING HOURS | | | | | L70 (hours) |
|------------------|-----------------|--------|-------------------------------------|--------|---------|----------------|
| | 0 | 25,000 | TM-21-11 ¹ L90 36,000 | 50,000 | 100,000 | |
| 25°C / 77°F | 1.00 | 0.93 | 0.90 | 0.86 | 0.75 | >125,000 |
| 40°C / 104°F | 0.99 | 0.90 | 0.86 | 0.81 | 0.67 | >88,000 |

1. Projected per IESNA TM-21-11 (* Cree XP-L, 2100mA, 105°C Ts, 6,000hrs)

EPA

| | | | |
|---|----------|-----------|------|
|  | Config. | Luminaire | EPA |
| | 1 @ 90° | ASL8L | .50 |
| | | ASL16L | .62 |
|  | Config. | Luminaire | EPA |
| | 2 @ 180° | ASL8L | 1.00 |
| | | ASL16L | 1.24 |
|  | Config. | Luminaire | EPA |
| | 3 @ 120° | ASL8L | .88 |
| | | ASL16L | .99 |
|  | Config. | Luminaire | EPA |
| | 4 @ 90° | ASL8L | 1.42 |
| | | ASL16L | 1.66 |
|  | Config. | Luminaire | EPA |
| | 4 @ 90° | ASL16L | 1.66 |
| | | ASL24L | 1.90 |



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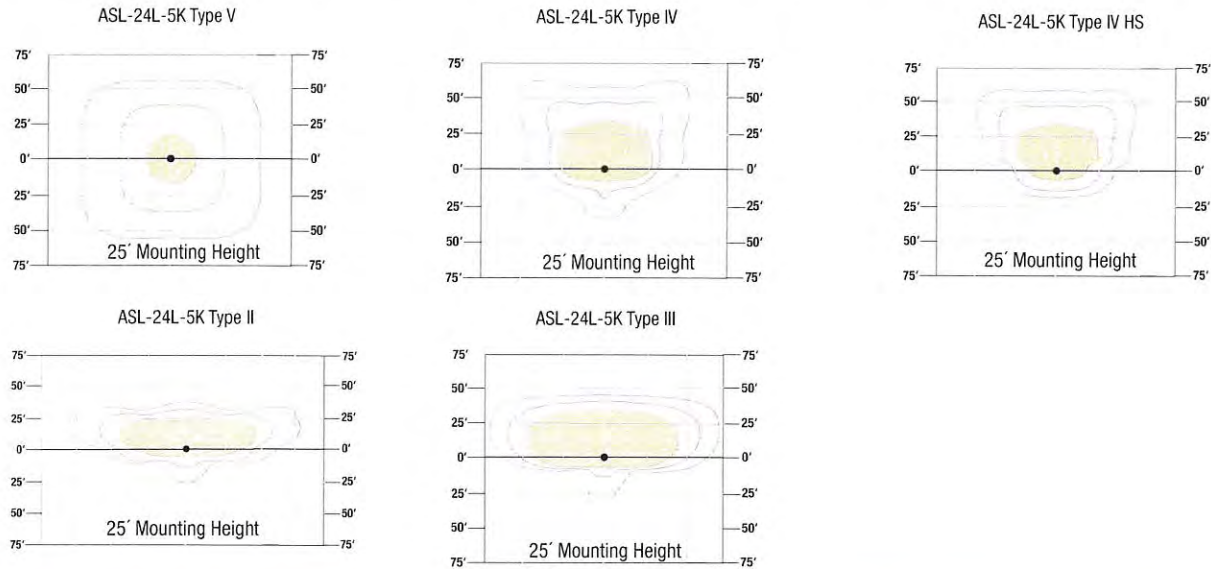
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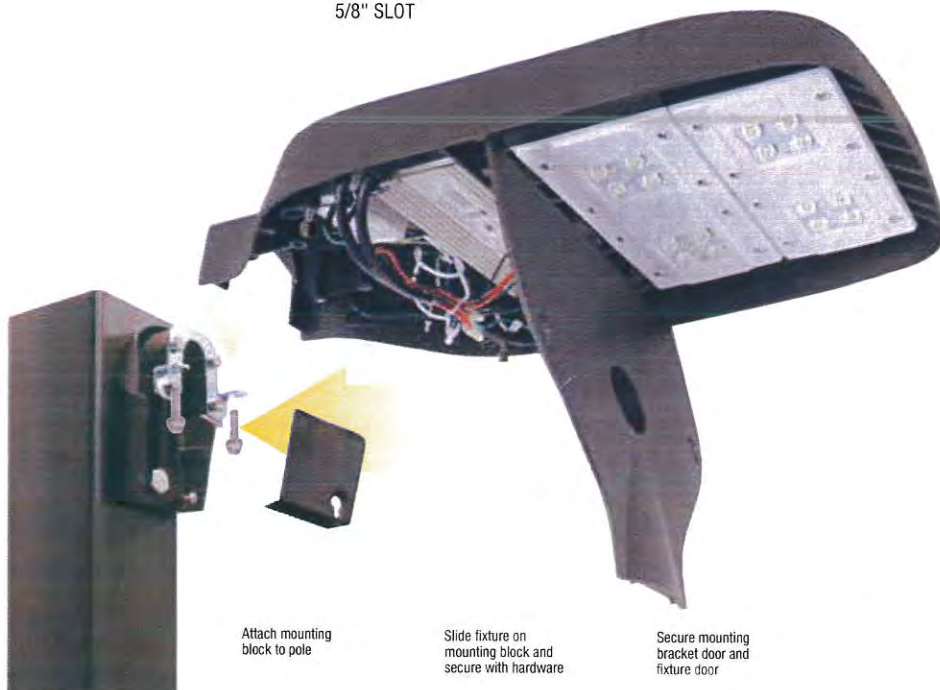
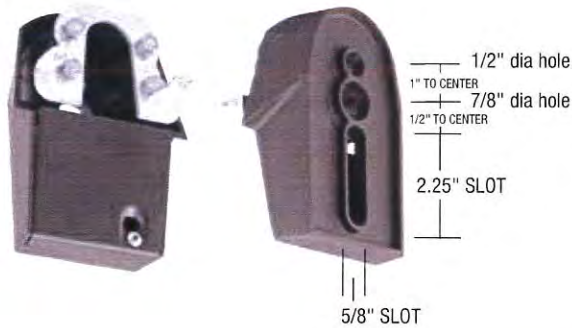
ASLLED-SPEC 3/17

PHOTOMETRICS For additional photometric information and IES downloads, visit our web site at www.hubbelloutdoor.com



ARM/MOUNTING BLOCK

Fixture ships with universal mounting block for ease of installation. Compatible with #2 drill pattern.



SWP & SWPM - SiteSync™



SiteSync Lighting Control is available from our most popular brands in a broad range of award-winning product families.

SSS-H SERIES POLES

SQUARE STRAIGHT STEEL

Cat.#

Job

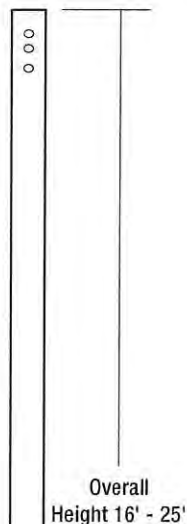
Type

TYPE B-2



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Approvals



APPLICATIONS

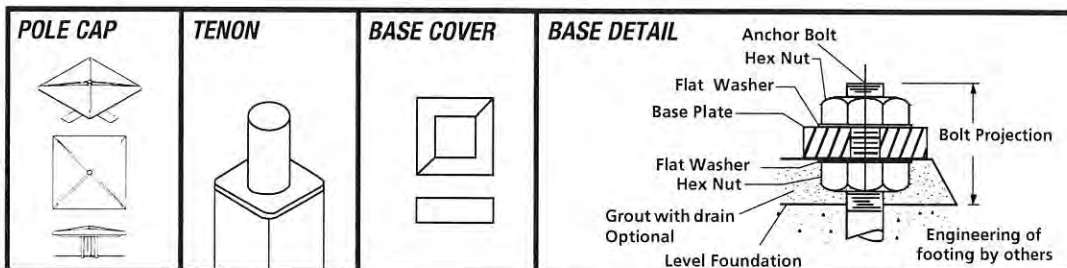
- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

CONSTRUCTION

- SHAFT:** One-piece straight steel with square cross section, flat sides and minimum 0.238" radius on all corners; Minimum yield of 46,000 psi (ASTM-A500, Grade B); Longitudinal weld seam to appear flush with shaft side wall; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36)
- BASE COVER:** Two-piece square aluminum base cover included standard
- POLE CAP:** Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HAND HOLE:** Rectangular 3x5 steel hand hole frame (2.38" x 4.38" opening); Mounting provisions for grounding lug located behind gasketed cover
- ANCHOR BOLTS:** Four galvanized anchor bolts provided per pole with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling

FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in seven standard colors; Custom colors available; RAL number preferable; Internal protective coating available



ORDERING INFORMATION

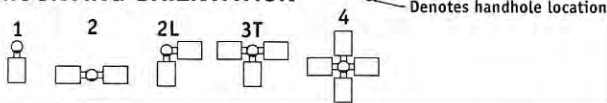
ORDERING EXAMPLE:

SSS - H - 25 - 40 - A/B/C - 2L - S2 - DB - UL

Reference page 2 for available configurations

| SERIES | HEIGHT | SHAFT | THICKNESS | MOUNTING | DRILL PATTERN | FINISH | OPTIONS |
|--|----------------------------------|----------------------------------|----------------------------------|--|--------------------------------------|---|--|
| SSS-H Square Straight Steel Pole Hubbell Outdoor | Reference page 2 Ordering matrix | Reference page 2 Ordering matrix | Reference page 2 Ordering matrix | 1 Single arm mount 2 Two fixtures at 180° 2L Two fixtures at 90° 3T Three fixtures at 90° 4 Four fixtures at 90° TA Tenon (2.375" OD) TB Tenon (2.875" OD) TC Tenon (3.5" OD) TR' Removable Tenon (2.375 x 4.25) OT No drilling (includes pole cap) | S2 #2 2 bolt 3.5" pattern | DB Dark Bronze BL Black WH White GR Gray PS Platinum Silver RD Red (premium color) FG Forest Green (premium color) CC Custom Color | HSC Internal Coating (Hubbell Seal) GFI² 20 Amp GFCI Receptacle and Cover EHH² Extra Handhole C05² .5" Coupling C07² .75" Coupling C20² 2" Coupling MPB² Mid-pole Luminaire Bracket VM2 2nd mode vibration damper LAB Less Anchor Bolts UL UL Certified |

MOUNTING ORIENTATION



ACCESSORIES- Order Separately

| Catalog Number | Description |
|------------------------|---------------------------|
| VM1¹ | 1st mode vibration damper |
| VM2SXX | 2nd mode vibration damper |

- Removable tenon used in conjunction with side arm mounting. First specify desired arm configuration followed by the "TR" notation. Example: **SSS-H-25-40-A-1-S2-TR-DB**
- Specify option location using logic found on page 2 (**Option Orientation**)
- VM1 required on poles 25" and taller with EPA of less than 1.



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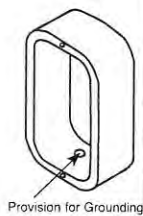
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ORDERING INFORMATION Cont.

| Catalog Number | Height | | Nominal Shaft Dimensions | Wall Thickness | Bolt Circle (suggested) | Bolt Circle (range) | Bolt Square (range) | Base Plate Square | Anchor bolt size | Bolt Projection | Pole weight |
|---------------------|--------|--------|--------------------------|----------------|-------------------------|---------------------|---------------------|-------------------|-------------------|-----------------|-------------|
| | Feet | Meters | | | | | | | | | |
| SSS-H-10-40-A-XX-XX | 10 | 3.0 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 77 |
| SSS-H-12-40-A-XX-XX | 12 | 3.7 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 90 |
| SSS-H-14-40-A-XX-XX | 14 | 4.3 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 103 |
| SSS-H-16-40-A-XX-XX | 16 | 4.9 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 116 |
| SSS-H-18-40-A-XX-XX | 18 | 5.5 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 129 |
| SSS-H-20-40-A-XX-XX | 20 | 6.1 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 142 |
| SSS-H-25-40-A-XX-XX | 25 | 7.6 | 4" square | 0.125" | 9" | 8" - 10" | 5.66" - 7.07" | 9" | 3/4" x 30" x 3" | 3.5 | 175 |
| | | | | | | | | | | | |
| SSS-H-14-40-B-XX-XX | 14 | 4.3 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 152 |
| SSS-H-16-40-B-XX-XX | 16 | 4.9 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 171 |
| SSS-H-18-40-B-XX-XX | 18 | 5.5 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 190 |
| SSS-H-20-40-B-XX-XX | 20 | 6.1 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 209 |
| SSS-H-25-40-B-XX-XX | 25 | 7.6 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 257 |
| SSS-H-30-40-B-XX-XX | 30 | 9.1 | 4" square | .188" | 11" | 10" - 12" | 7.07" - 8.48" | 10.50" | 3/4" x 30" x 3" | 3.5 | 304 |
| | | | | | | | | | | | |
| SSS-H-16-50-B-XX-XX | 16 | 4.9 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 219 |
| SSS-H-18-50-B-XX-XX | 18 | 5.5 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 243 |
| SSS-H-20-50-B-XX-XX | 20 | 6.1 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 267 |
| SSS-H-25-50-B-XX-XX | 25 | 7.6 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 327 |
| SSS-H-30-50-B-XX-XX | 30 | 9.1 | 5" square | .188" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 387 |
| | | | | | | | | | | | |
| SSS-H-25-50-C-XX-XX | 25 | 7.6 | 5" square | .25" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 427 |
| SSS-H-30-50-C-XX-XX | 30 | 9.1 | 5" square | .25" | 11" | 10.25" - 13.25" | 7.25" - 9.37" | 11.50" | 1" x 36" x 4" | 4.5 | 507 |
| | | | | | | | | | | | |
| SSS-H-20-60-B-XX-XX | 20 | 6.1 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 329 |
| SSS-H-25-60-B-XX-XX | 25 | 7.6 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 404 |
| SSS-H-30-60-B-XX-XX | 30 | 9.1 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 479 |
| SSS-H-35-60-B-XX-XX | 35 | 10.7 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 554 |
| SSS-H-40-60-B-XX-XX | 40 | 12.2 | 6" square | .188" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 629 |
| | | | | | | | | | | | |
| SSS-H-30-60-C-XX-XX | 30 | 9.1 | 6" square | .25" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 614 |
| SSS-H-35-60-C-XX-XX | 35 | 10.7 | 6" square | .25" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 712 |
| SSS-H-40-60-C-XX-XX | 40 | 12.2 | 6" square | .25" | 12" | 11.00" - 13.25" | 7.81" - 9.37" | 12.25" | 1-1/4" x 42" x 6" | 5.0 | 809 |

NOTE: Factory supplied template must be used when setting anchor bolts. Hubbell Lighting will deny any claim for incorrect anchorage placement resulting from failure to use factory supplied template and anchor bolts.

EHH - EXTRA HANDHOLE

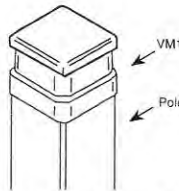


Provision for Grounding

C05 - C07 - C20 - COUPLING



VM1 - VIBRATION DAMPER 1ST MODE



Field Installed Pole Top damper designed to reduce pole top deflection or sway. VM1 is required for pole systems 25' and taller with a total EPA of 1.0 or less.

VM2 - VIBRATION DAMPER 2ND MODE



Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

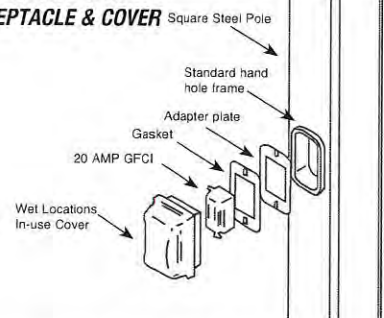
VM2SXX - VIBRATION DAMPER 2ND MODE



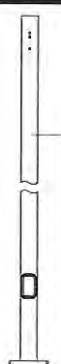
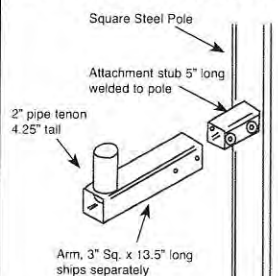
VM2S08 - 8'
VM2S12 - 12'
VM2S16 - 16'
VM2S20 - 20'
VM2S24 - 24'

Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.

GFI - 20 AMP GFCI RECEPTACLE & COVER

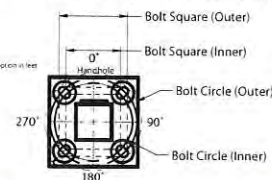


MPB - MID POLE BRACKET



OPTION ORIENTATION

Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C07 should be ordered as: **SSS-H-20-40-A-TA-DB-C07-0-15** (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1' spacing required between option. Consult factory for other configurations.



For more information about pole vibration and vibration dampers, please consult http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HLO0022.pdf. Due to our continued efforts to improve our products, product specifications are subject to change without notice.



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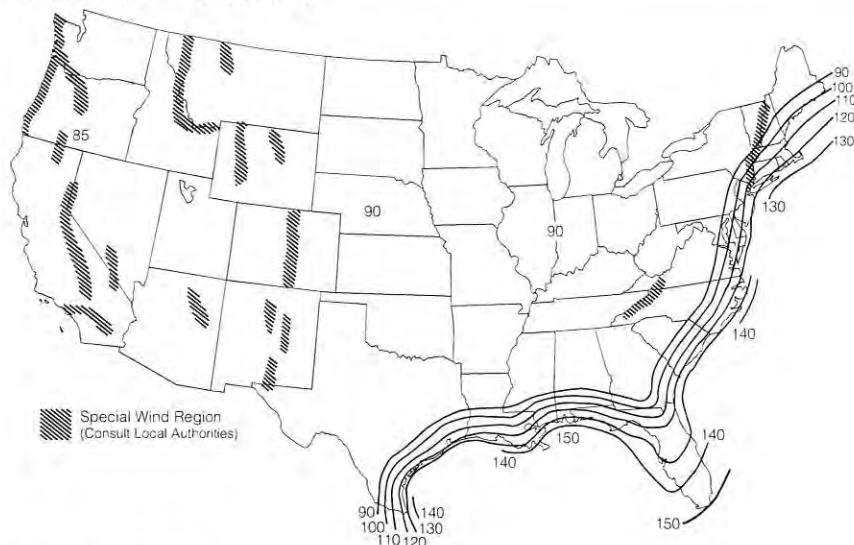
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ASCE7-05 WIND MAP



HAWAII – 105 mph
PUERTO RICO – 145 mph

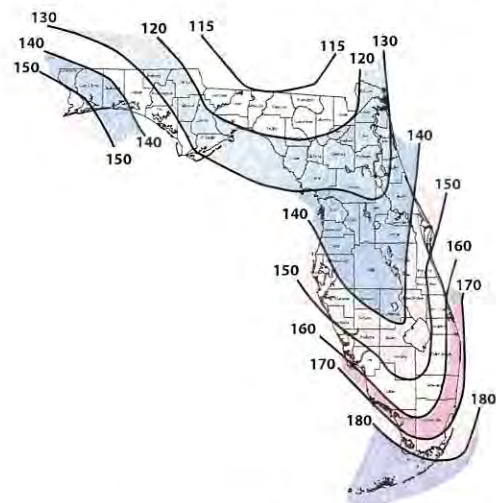
| ASCE 7-05 wind map EPA Load Rating - 3 second gust wind speeds | | | | | | | |
|--|------|------|------|------|------|------|------|
| Catalog Number | 85 | 90 | 100 | 110 | 120 | 105 | 145 |
| SSS-H-10-40-A | 25.0 | 25.0 | 25.0 | 20.6 | 17.0 | 22.8 | 11.0 |
| SSS-H-12-40-A | 25.0 | 25.0 | 20.0 | 16.1 | 13.2 | 18.0 | 8.1 |
| SSS-H-14-40-A | 23.1 | 20.4 | 16.1 | 12.8 | 10.2 | 14.3 | 5.9 |
| SSS-H-16-40-A | 19.0 | 16.7 | 13.0 | 10.1 | 7.9 | 11.5 | 4.1 |
| SSS-H-18-40-A | 15.6 | 13.6 | 10.0 | 7.8 | 5.9 | 9.0 | 2.6 |
| SSS-H-20-40-A | 12.7 | 10.9 | 7.9 | 5.9 | 4.2 | 6.9 | 1.3 |
| SSS-H-25-40-A | 7.3 | 5.9 | 3.8 | 2.1 | 0.8 | 2.9 | NR |
| SSS-H-14-40-B | 25.0 | 25.0 | 23.3 | 18.6 | 15.1 | 20.8 | 9.2 |
| SSS-H-16-40-B | 25.0 | 24.9 | 19.4 | 15.4 | 12.3 | 17.3 | 7.2 |
| SSS-H-18-40-B | 24.0 | 20.8 | 16.1 | 12.5 | 9.8 | 14.2 | 5.3 |
| SSS-H-20-40-B | 20.2 | 17.5 | 13.2 | 10.1 | 7.7 | 11.6 | 3.8 |
| SSS-H-25-40-B | 12.8 | 11.0 | 7.9 | 5.5 | 3.7 | 6.7 | 0.7 |
| SSS-H-30-40-B | 8.0 | 6.6 | 4.1 | 2.2 | 0.8 | 3.1 | NR |
| SSS-H-16-50-B | 25.0 | 25.0 | 25.0 | 24.8 | 20.1 | 25.0 | 12.3 |
| SSS-H-18-50-B | 25.0 | 25.0 | 25.0 | 20.4 | 16.4 | 22.9 | 9.6 |
| SSS-H-20-50-B | 25.0 | 25.0 | 21.3 | 16.7 | 13.2 | 18.9 | 7.2 |
| SSS-H-25-50-B | 20.7 | 17.8 | 13.3 | 9.8 | 7.2 | 11.5 | 2.6 |
| SSS-H-30-50-B | 13.5 | 11.3 | 7.7 | 4.9 | 2.8 | 6.2 | NR |
| SSS-H-25-50-C | 25.0 | 25.0 | 19.4 | 15.1 | 11.7 | 17.1 | 6.0 |
| SSS-H-30-50-C | 20.1 | 17.3 | 12.7 | 9.3 | 6.6 | 10.9 | 2.1 |
| SSS-H-20-60-B | 25.0 | 25.0 | 25.0 | 25.0 | 20.2 | 25.0 | 11.5 |
| SSS-H-25-60-B | 25.0 | 25.0 | 20.6 | 15.6 | 11.8 | 18.0 | 5.2 |
| SSS-H-30-60-B | 21.4 | 18.1 | 12.9 | 8.8 | 5.7 | 10.7 | NR |
| SSS-H-35-60-B | 14.0 | 11.3 | 6.9 | 3.6 | 1.0 | 5.2 | NR |
| SSS-H-40-60-B | 8.1 | 5.8 | 2.2 | NR | NR | NR | NR |
| SSS-H-30-60-C | 24.3 | 20.5 | 14.6 | 10.2 | 6.8 | 12.2 | 1.3 |
| SSS-H-35-60-C | 16.6 | 13.5 | 8.6 | 4.9 | 2.1 | 6.6 | NR |
| SSS-H-40-60-C | 10.6 | 7.9 | 3.7 | 0.6 | NR | 2.1 | NR |

NOTES

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2010 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application.
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty.
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards.
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings. Consult Hubbell Lighting's Pole Vibration Application Guide for environmental risk factors and design considerations. http://cdn.hubbelloutdoor.com/content/products/literature/literature_files/Pole_Wind_Induced_Flyer_HL010022.pdf
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings.

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FLORIDA REGION WIND MAP



- Florida region wind map above is based upon 3-second gust winds and the 2010 Florida Building Code

| Florida Building Code 2010 EPA Load Rating - 3 second gust wind speeds | | | | | | | | |
|--|------|------|------|------|------|------|------|------|
| Catalog Number | 115 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
| SSS-H-10-40-A | 25.0 | 25.0 | 25.0 | 25.0 | 21.4 | 18.4 | 15.9 | 13.9 |
| SSS-H-12-40-A | 25.0 | 25.0 | 23.6 | 19.8 | 16.7 | 14.2 | 12.1 | 10.4 |
| SSS-H-14-40-A | 25.0 | 23.1 | 19.0 | 15.7 | 13.1 | 10.9 | 9.9 | 7.6 |
| SSS-H-16-40-A | 20.8 | 18.7 | 15.2 | 12.3 | 10.1 | 8.2 | 6.7 | 5.4 |
| SSS-H-18-40-A | 16.8 | 15.0 | 11.9 | 9.4 | 7.5 | 5.9 | 4.5 | 3.4 |
| SSS-H-20-40-A | 13.6 | 11.9 | 9.2 | 7.1 | 5.3 | 3.9 | 2.7 | 1.7 |
| SSS-H-25-40-A | 7.4 | 6.2 | 4.1 | 2.5 | 1.1 | NR | NR | NR |
| SSS-H-14-40-B | 25.0 | 23.6 | 19.4 | 16.1 | 13.4 | 11.2 | 9.4 | 7.8 |
| SSS-H-16-40-B | 21.4 | 19.2 | 15.6 | 12.7 | 10.4 | 8.5 | 6.9 | 5.6 |
| SSS-H-18-40-B | 17.2 | 15.4 | 12.2 | 9.7 | 7.7 | 6.1 | 4.7 | 3.6 |
| SSS-H-20-40-B | 13.9 | 12.3 | 9.5 | 7.3 | 5.5 | 4.1 | 2.9 | 1.9 |
| SSS-H-25-40-B | 7.7 | 6.4 | 4.3 | 2.6 | 1.3 | NR | NR | NR |
| SSS-H-30-40-B | 3.2 | 2.1 | NR | NR | NR | NR | NR | NR |
| SSS-H-16-50-B | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 21.4 | 18.2 | 15.5 |
| SSS-H-18-50-B | 25.0 | 25.0 | 25.0 | 24.4 | 20.4 | 17.0 | 14.2 | 11.9 |
| SSS-H-20-50-B | 25.0 | 25.0 | 24.4 | 19.9 | 16.3 | 13.4 | 11.0 | 8.9 |
| SSS-H-25-50-B | 21.8 | 19.3 | 15.0 | 11.5 | 8.8 | 6.5 | 4.7 | 3.1 |
| SSS-H-30-50-B | 13.7 | 11.7 | 8.2 | 5.5 | 3.3 | 1.5 | NR | NR |
| SSS-H-25-50-C | 21.8 | 19.3 | 15.0 | 11.5 | 8.8 | 6.5 | 4.7 | 3.1 |
| SSS-H-30-50-C | 13.7 | 11.7 | 8.2 | 5.5 | 3.3 | 1.5 | NR | NR |
| SSS-H-20-60-B | 25.0 | 25.0 | 25.0 | 21.9 | 17.8 | 14.5 | 11.7 | 9.4 |
| SSS-H-25-60-B | 23.8 | 20.9 | 16.1 | 12.3 | 9.2 | 6.6 | 4.5 | 2.8 |
| SSS-H-30-60-B | 14.6 | 12.3 | 8.4 | 5.3 | 2.8 | 0.8 | NR | NR |
| SSS-H-35-60-B | 7.5 | 5.6 | 2.4 | NR | NR | NR | NR | NR |
| SSS-H-40-60-B | 1.8 | NR | NR | NR | NR | NR | NR | NR |
| SSS-H-30-60-C | 14.6 | 12.3 | 8.4 | 5.3 | 2.8 | 0.8 | NR | NR |
| SSS-H-35-60-C | 7.5 | 5.6 | 2.4 | NR | NR | NR | NR | NR |
| SSS-H-40-60-C | 1.8 | NR | NR | NR | NR | NR | NR | NR |



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Lighting

SSS-H POLES-SPEC 4/16

Resolution No. 2017-47

**RESOLUTION APPROVING THE DEVELOPMENT SITE PLAN
FOR FIRST UNITED METHODIST CHURCH, NORTH
LIBERTY, IOWA**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY,
IOWA:**

WHEREAS, the owner and the developer, First United Methodist Church of North Liberty, has filed with the City Clerk a development site plan;

WHEREAS, the property is legally described as:

The Northeast Quarter of the Southeast Quarter of the Southeast Quarter of Section 11, Township 80 North, Range 7 West of the 5th P.M. and subject to easements and restrictions of record;

WHEREAS, said site plan is found to conform with the Comprehensive Plan and the Zoning Ordinance of the City of North Liberty; and

WHEREAS, said site plan has been examined by the North Liberty Planning and Zoning Commission, which recommended that the site plan be approved.

NOW, THEREFORE, BE IT RESOLVED that the City Council of North Liberty, Iowa, does hereby approve the development site plan for the First United Methodist Church, North Liberty, Iowa.

APPROVED AND ADOPTED this 9th day of May, 2017.

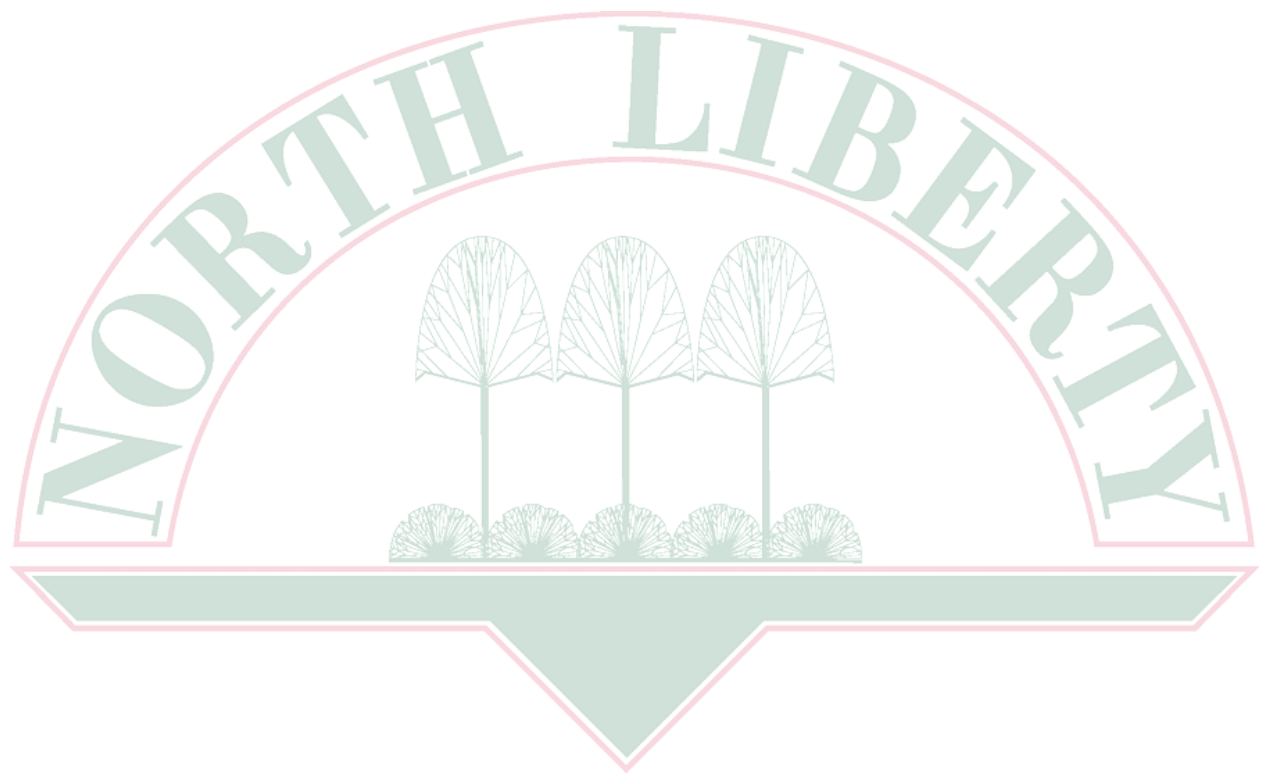
CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

Venom Villas Rezoning





March 16, 2017

Memo

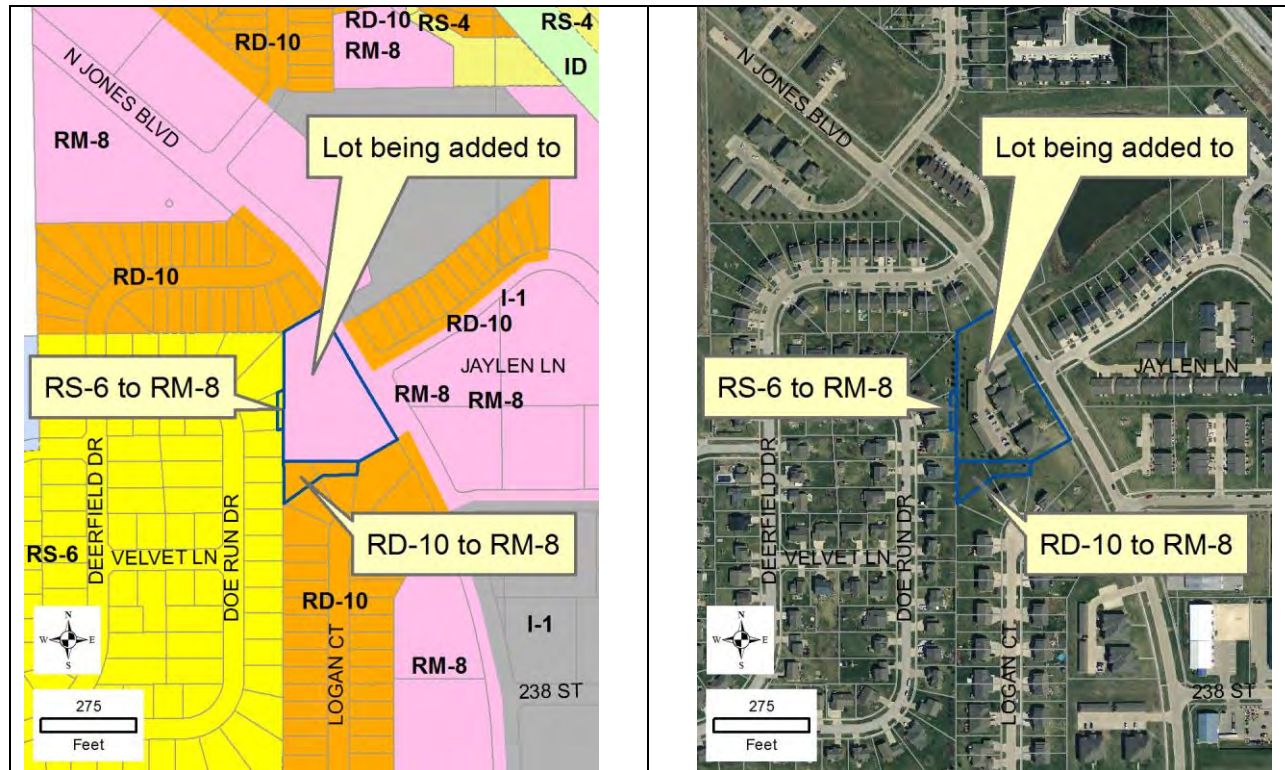
To: North Liberty Planning Commission
From: Dean Wheatley, Planning Director
Subject: Rezoning Approval Request
(Lot 72, Deerfield 5th Addition and parts of Lot 25, Deerfield 2nd Addition and Lot 8, Deerfield 3rd Addition)

Your North Liberty city staff has reviewed the subject submission, and offer comments presented in this memo. The staff review team includes the following personnel:

Ryan Heiar, City Administrator
Tracey Mulcahey, Assistant City Administrator
Tom Palmer, City Building Official
Scott Peterson, City Attorney
Kevin Trom, City Engineer
Dean Wheatley, Planning Director

This request from Acie Earl to approve rezoning parts of two duplex lots and one single-family lot to RM-8, multi-family, to add lot area to an existing RM-8 lot. The applicant owns all lots involved. A Good Neighbor meeting was held on February 23 to allow any interested party an opportunity to comment on this rezoning prior to submission. Five residents attended the meeting and three emails were received. All were concerned about maintenance of the properties, previous and future, and effects on the neighborhood viability and property values. As can be seen on the zoning map inset, zoning surrounding and in the vicinity of the site includes single-family, multi-family, and duplex. The Land Use Plan for this area indicates a preference for residential development. For this rezoning to be approved, an associated subdivision plat will also need to be approved; otherwise, parts of existing lots would contain multiple zoning districts and would not be able to be used as intended by the applicant. The property is located on the west side of N Jones Boulevard between 236th Street and Eight Point Trail.

This plan proposes to enlarge the existing developed multi-family lot enough to add four more multi-family units, by cutting off parts of adjoining lots and adding them to the large lot. This proposal creates irregular and confusing lots that are not consistent with surrounding lot lines and zoning district boundaries and will likely lead to confusion in the future. Even though the applicant intends to leave fences where they exist today and treat the lots as if the plat had not occurred, he will not always own the property and future owners are less likely to follow that arrangement. There are also questions of future maintenance liability with parts of lots not owned by residents using them as their own.



The applicant has been advised by staff as recently as January of this year that this application was not consistent with general City expectations, and would likely face long odds for approval. We believe that considerations of neighborhood consistency and viability, affected by the intrusion into surrounding properties with multi-family zoning and development, the lot irregularities, and potential future confusion and problems identified, are substantial. The neighborhood is long-established and residents made their decisions to purchase and stay in the neighborhood based in part on the reasonable expectation that lots would not be manipulated in the ways proposed in this application, where existing multi-family properties are enlarged through property buy-outs and irregular boundaries and built out to maximize the number of units.

Land Use Plan policies related to this request include the following sections, which address the nature of the proposal for multi-family expansion, and are generally contrary to the proposal.

- In order to maintain a strong economic and social base for North Liberty, growth and diversification are viewed as positive; however, this growth and diversification **needs to be accomplished in an orderly, organized and coordinated fashion** in order to preserve North Liberty's reputation for having a "small-town" family-friendly atmosphere. The City should pursue projects and guide growth in ways that will preserve and encourage the small city character while accommodating additional, orderly development.
- Develop and implement a **cohesive, efficient land use pattern that ensures compatibility, functional relationships, and complementary adjacent activities among land uses.**
- **Protect property values through logical placement of land uses and streets**, through protection of natural features and through strong property maintenance regulations.
- Utilize physical barriers, distances, screens, sizing of building units, and/or proper physical orientation of lots and buildings to **minimize conflicts from incompatible land uses**. Wherever possible, changes in types of land use shall occur either at center, or mid-block points so that similar uses front on the same street, or at borders of areas separated by major man-made or natural barriers.

- Reinforce, maintain, and upgrade the character of individual residential neighborhoods.

In this case, the proposal does not support orderly, cohesive, logical, and compatible land use patterns, and in fact does just the opposite.

In rezoning considerations, *suitability* and *compatibility* are key issues in addition to land use policy, while specifics of proposed development are managed through site plan and plat review. Addressing those decision points:

Suitability of Property:

- The proposal utilizes area that was shown on the original site plan as open space in order to gain approval of the site plan.
- The proposal creates irregular and illogical boundaries for both zoning and lot boundaries by subdividing existing single-family and duplex lots. These irregular boundaries are likely to create problems in the future related to maintenance, liability, and logical use of property.
- The proposal uses strips of property not directly related to the planned additional development on the lot, and not logically located to be useful to residents living in the apartment development.

In this case, the rather awkward and forced proposal to illogically modify development boundaries and utilize existing green space makes the resulting property only technically suitable, in that it meets density and setback requirements. It is not a practical solution.

Compatibility with Existing and Planned Uses:

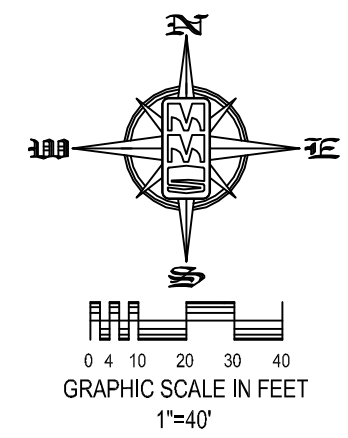
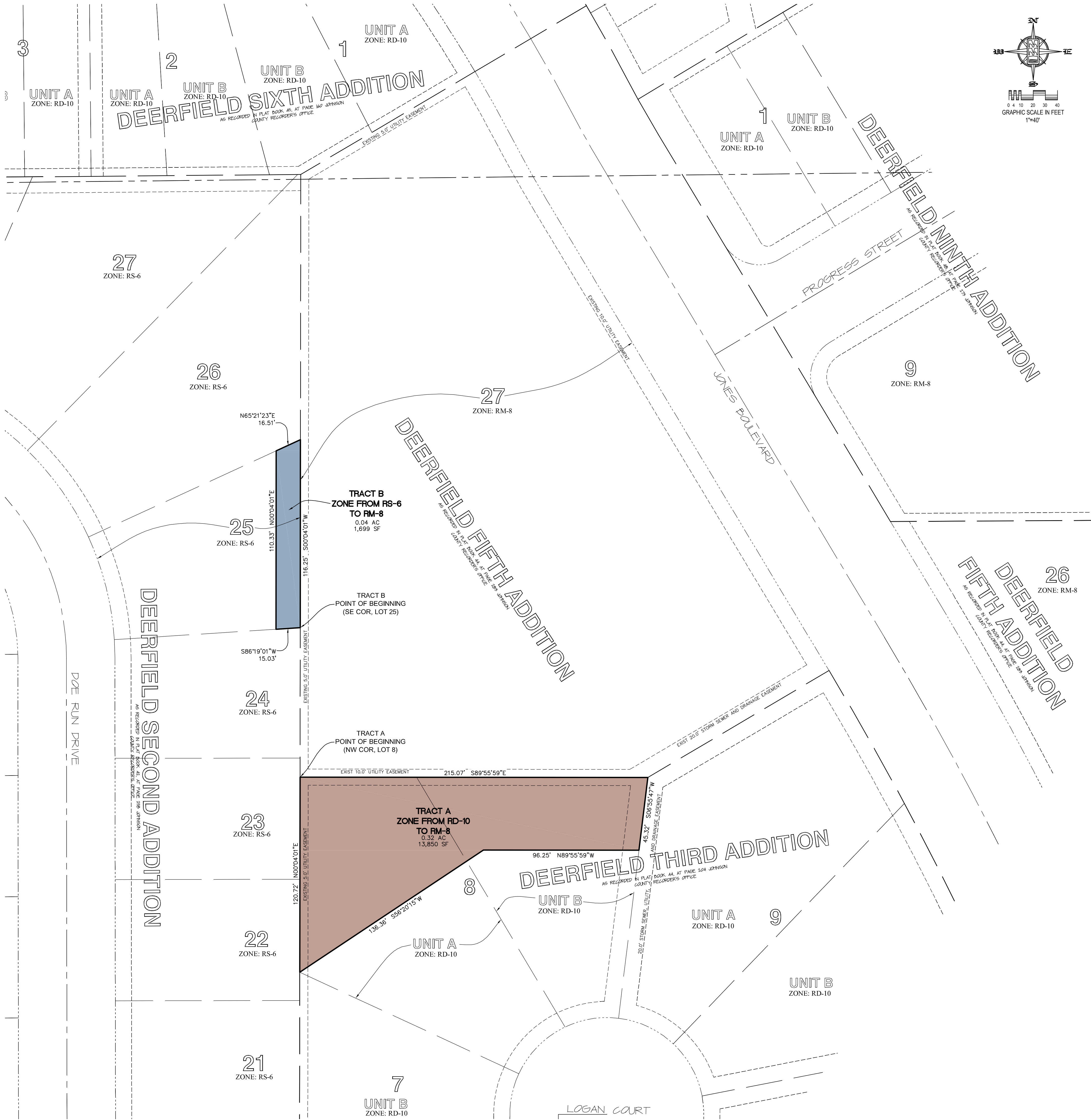
- Places new development features including paving and buildings much closer to existing surrounding homes than current development.
- Disrupts an existing neighborhood with new units where none were previously planned. It is likely that surrounding owners made decisions to purchase or to remain in place based on assumptions that the property would not change for more units, modified lot lines, and decreased setbacks.

In this case, the proposal to extend multi-family zoning and multi-family development into areas zoned and developed for single-family and duplex development is considered an intrusion and not compatible.

Staff does not endorse this precedent for North Liberty and we recommend denial of the rezoning. We are providing the site plan and preliminary plat as part of the information packet to the Commission for informational purposes, but those will be administratively held until the rezoning issue is resolved; this will save the applicant the cost of having those plans refined if the rezoning is denied.

Note:

The rezoning, subdivision plat, and site plan will all need to be approved before this proposed project can proceed, if the rezoning is approved.



REZONING EXHIBIT VENOM VILLAS NORTH LIBERTY, IOWA

PLAT PREPARED BY:
MMS CONSULTANTS INC.
1917 S. GILBERT STREET
IOWA CITY, IA 52240

OWNER/APPLICANT:
VENOM INVESTMENTS, LLC
745 BARRINGTON ROAD
IOWA CITY, IA 52245

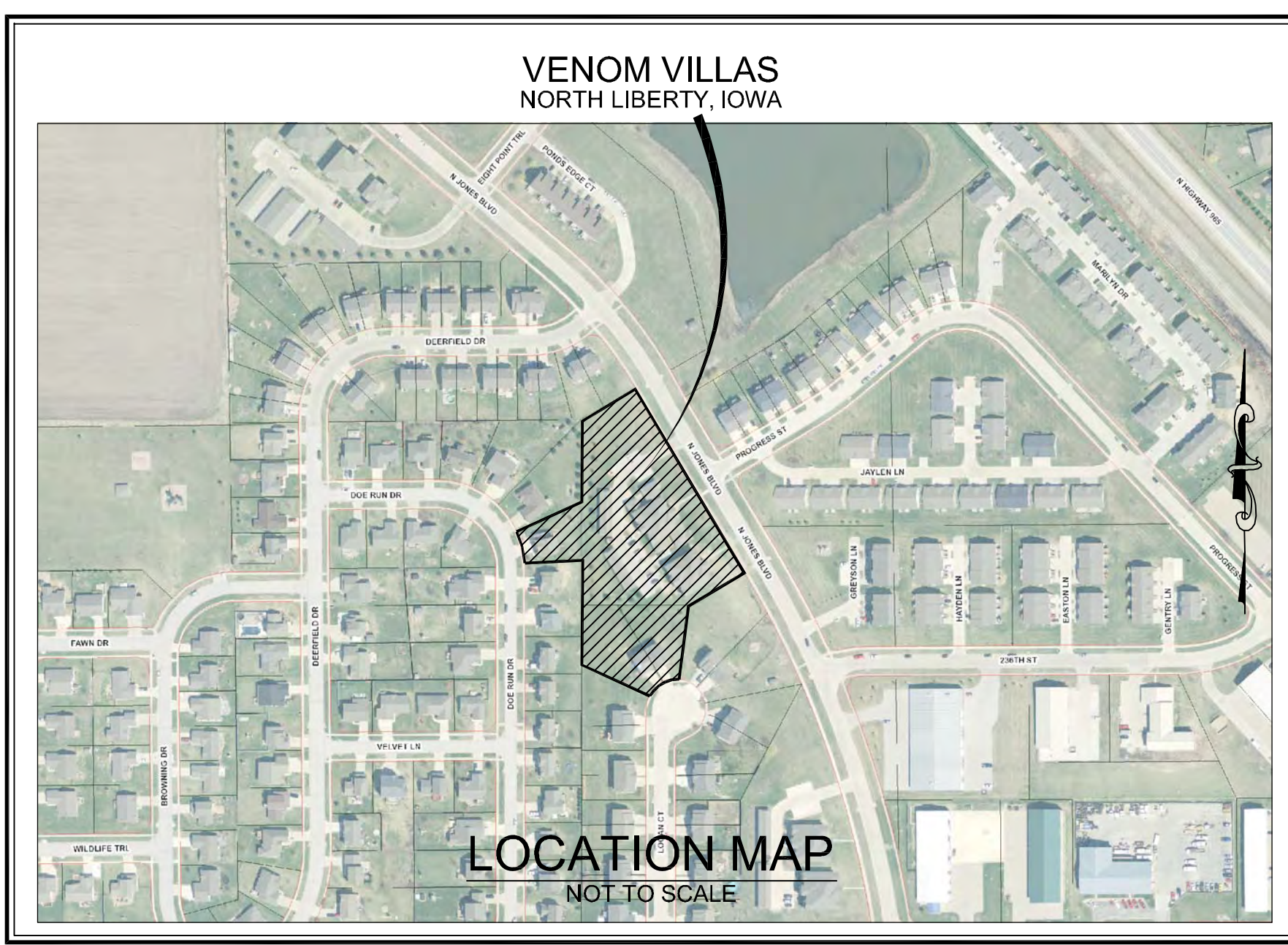
APPLICANT'S ATTORNEY:
NANCY B. WILLIS
500 S. DUBUQUE STREET
IOWA CITY, IA 52240

TRACT A: REZONE FROM RD-10 TO RM-8
BEGINNING AT THE NORTHWEST CORNER OF LOT 8 OF DEERFIELD THIRD ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 44, AT PAGE 204 IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE; THENCE S89°55'59"E, ALONG THE NORTH LINE OF SAID LOT 8, A DISTANCE OF 215.07 FEET, TO THE NORTHEAST CORNER THEREOF; THENCE S06°55'47"W, ALONG THE EAST LINE OF SAID LOT 8, A DISTANCE OF 45.32 FEET; THENCE N89°55'59"E, 96.25 FEET; THENCE S56°20'15"W, 136.36 FEET, TO THE SOUTHWEST CORNER OF SAID LOT 8; THENCE N00°04'01"E, ALONG THE WEST LINE OF SAID LOT 8, A DISTANCE OF 120.72 FEET, TO SAID POINT OF BEGINNING, CONTAINING 0.32 ACRE, (13,850 SQUARE FEET), AND SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

TRACT B: REZONE FROM RS-6 TO RM-8
BEGINNING AT THE SOUTHEAST CORNER OF LOT 25 OF DEERFIELD SECOND ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 42, AT PAGE 258 IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE; THENCE S86°19'01"W, ALONG THE SOUTH LINE OF SAID LOT 25, A DISTANCE OF 15.03 FEET; THENCE N00°04'01"E, 110.33 FEET, TO A POINT ON THE NORTH LINE OF SAID LOT 25; THENCE N65°21'23"E, ALONG SAID NORTH LINE, 16.51 FEET, TO THE NORTHEAST CORNER THEREOF; THENCE S00°04'01"W, ALONG THE EAST LINE OF SAID LOT 25, A DISTANCE OF 116.25 FEET, TO SAID POINT OF BEGINNING, CONTAINING 0.04 ACRE, (1,699 SQUARE FEET), AND SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

| STANDARD LEGEND AND NOTES | |
|---------------------------|-----------------------------------|
| | PROPERTY &/or BOUNDARY LINES |
| | CONGRESSIONAL SECTION LINES |
| | RIGHT-OF-WAY LINES |
| | EXISTING RIGHT-OF-WAY LINES |
| | CENTER LINES |
| | EXISTING CENTER LINES |
| | LOT LINES, INTERNAL |
| | LOT LINES, PLATTED OR BY DEED |
| | PROPOSED EASEMENT LINES |
| | EXISTING EASEMENT LINES |
| | BENCHMARK |
| | RECORDED DIMENSIONS |
| | CURVE SEGMENT NUMBER |
| | POWER POLE |
| | POWER POLE W/DROP |
| | POWER POLE W/TRANS |
| | POWER POLE W/LIGHT |
| | GUY POLE |
| | LIGHT POLE |
| | SANITARY MANHOLE |
| | FIRE HYDRANT |
| | WATER VALVE |
| | DRAINAGE MANHOLE |
| | CURB INLET |
| | EXISTING SANITARY SEWER |
| | PROPOSED SANITARY SEWER |
| | EXISTING STORM SEWER |
| | PROPOSED STORM SEWER |
| | WATER LINES |
| | ELECTRICAL LINES |
| | TELEPHONE LINES |
| | GAS LINES |
| | CONTOUR LINES (2' INTERVAL) |
| | PROPOSED GROUND |
| | EXISTING TREE LINE |
| | EXISTING DECIDUOUS TREE & SHRUB |
| | EXISTING EVERGREEN TREES & SHRUBS |

THE ACTUAL SIZE AND LOCATION OF ALL PROPOSED FACILITIES SHALL BE VERIFIED WITH CONSTRUCTION DOCUMENTS, WHICH ARE TO BE PREPARED AND SUBMITTED SUBSEQUENT TO THE APPROVAL OF THIS DOCUMENT.



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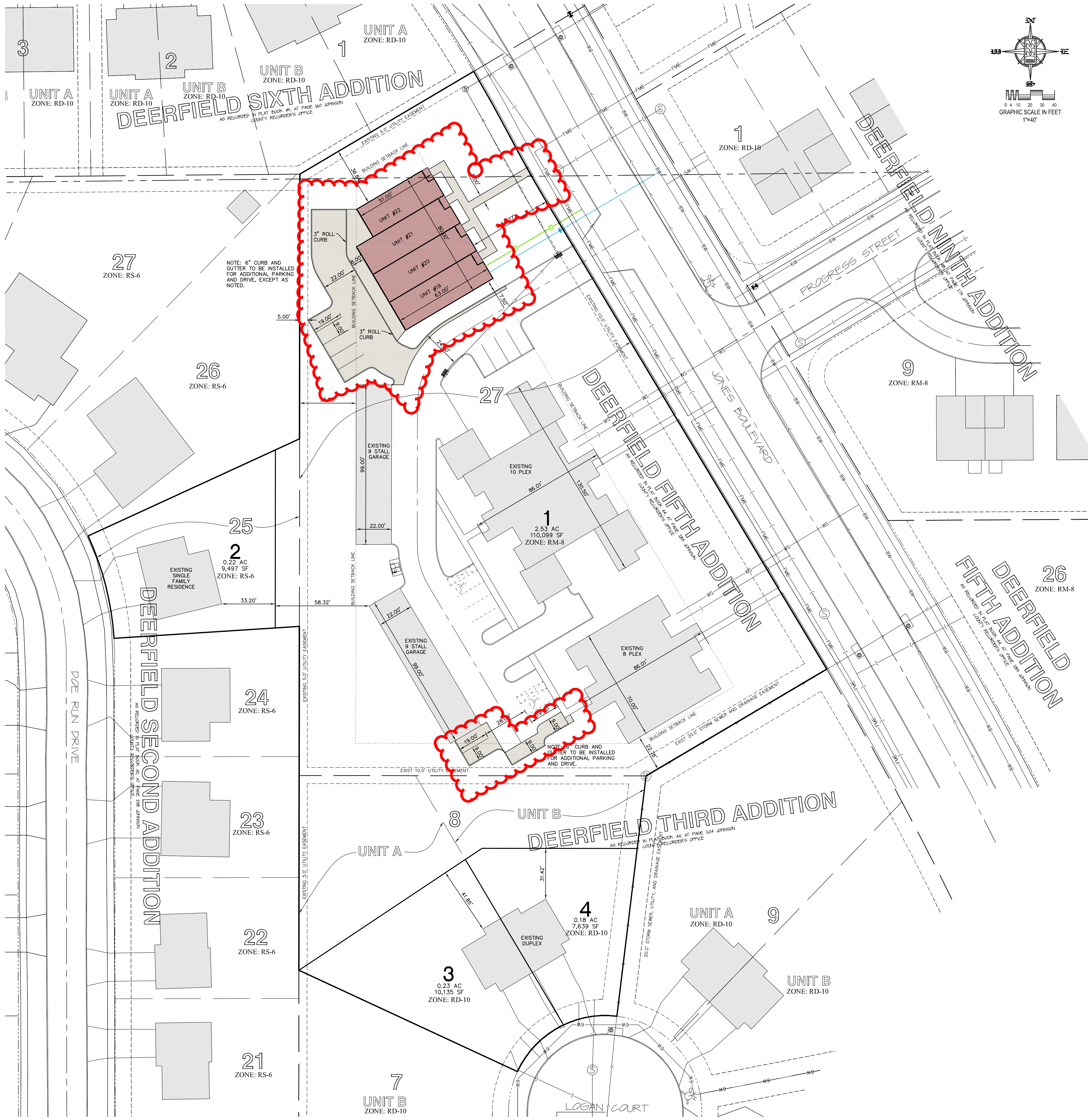
| Date | Revision |
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REZONING EXHIBIT

VENOM VILLAS

NORTH LIBERTY
JOHNSON COUNTY
IOWA

| | |
|-----------------------|----------------------|
| MMS CONSULTANTS, INC. | |
| Date: | 03-01-17 |
| Designed by: | VJS |
| Drawn by: | JDM |
| Checked by: | DAM |
| Project No: | IOWA CITY 9436002 |
| Field Book No: | |
| Scale: | 1"=30' |
| Sheet No: | 1 |
| of: | 1 |



CONCEPT PLAN

VENOM VILLAS

NORTH LIBERTY, IOWA

PLAT PREPARED BY:
MMS CONSULTANTS INC.
1917 S. GILBERT STREET
IOWA CITY, IA 52240

OWNER/APPLICANT:
VENOM INVESTMENTS, LLC
745 BARRINGTON ROAD
IOWA CITY, IA 52245

APPLICANT'S ATTORNEY:
NANCY B. WILLIS
500 S. DUBUQUE STREET
IOWA CITY, IA 52240

LOT 1 BUILDING AND SITE CHARACTERISTICS
CURRENT ZONING: RM-8

1 - EXISTING 8 PLEX @ 4,572 SF
1 - EXISTING 10 PLEX @ 7,000 SF
2 - EXISTING 9 STALL GARAGE @ 2,178 SF EACH
1 - PROPOSED 4 PLEX @ 4,800 SF

TOTAL SITE AREA 110,099 SF (100%)
BUILDING AREA 20,728 SF (19%)
PAVING AREA 19,491 SF (18%)
OPEN SPACE 69,880 SF (63%)

SITE DENSITY: 110,099 SF/22 UNITS = 5,005 SF PER UNIT

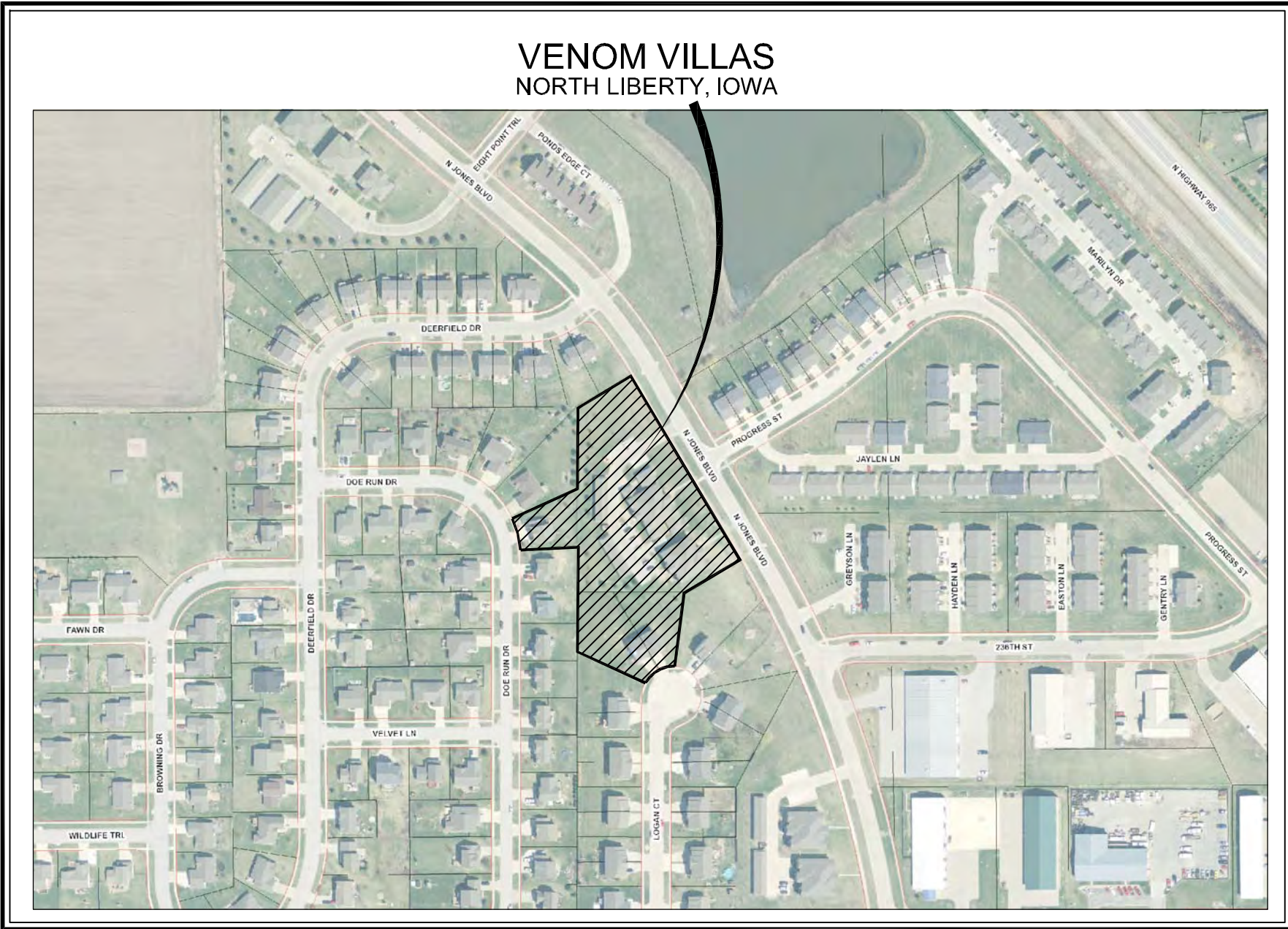
RESIDENTIAL PARKING REQUIREMENTS:
22 UNITS @ 2.2 PER UNIT = 49 SPACES REQUIRED

EXISTING GARAGE STALLS = 22 SPACES PROVIDED
EXISTING OUTDOOR STALLS = 11 SPACES PROVIDED (2 ADA)
PROPOSED GARAGE STALLS = 8 SPACES PROVIDED
PROPOSED OUTDOOR STALLS = 8 SPACES PROVIDED
TOTAL = 49 SPACES PROVIDED (2 ADA)

| STANDARD LEGEND AND NOTES | |
|---------------------------|-----------------------------------|
| | PROPERTY &/or BOUNDARY LINES |
| | CONGRESSIONAL SECTION LINES |
| | RIGHT-OF-WAY LINES |
| | EXISTING RIGHT-OF-WAY LINES |
| | CENTER LINES |
| | EXISTING CENTER LINES |
| | LOT LINES, INTERNAL |
| | LOT LINES, PLATTED OR BY DEED |
| | PROPOSED EASEMENT LINES |
| | EXISTING EASEMENT LINES |
| | BENCHMARK |
| | RECORDED DIMENSIONS |
| | CURVE SEGMENT NUMBER |
| | EXIST- POWER POLE |
| | PROP- POWER POLE W/DROP |
| | POWER POLE W/TRANS |
| | POWER POLE W/LIGHT |
| | GUY POLE |
| | LIGHT POLE |
| | SANITARY MANHOLE |
| | FIRE HYDRANT |
| | WATER VALVE |
| | DRAINAGE MANHOLE |
| | CURB INLET |
| | FENCE LINE |
| | EXISTING SANITARY SEWER |
| | PROPOSED SANITARY SEWER |
| | EXISTING STORM SEWER |
| | PROPOSED STORM SEWER |
| | WATER LINES |
| | ELECTRICAL LINES |
| | TELEPHONE LINES |
| | GAS LINES |
| | CONTOUR LINES (1' INTERVAL) |
| | PROPOSED GROUND |
| | EXISTING TREE LINE |
| | EXISTING DECIDUOUS TREE & SHRUB |
| | EXISTING EVERGREEN TREES & SHRUBS |

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This exhibit for Planning Commission reference only.



3.15 ACRES



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ENVIRONMENTAL SPECIALISTS

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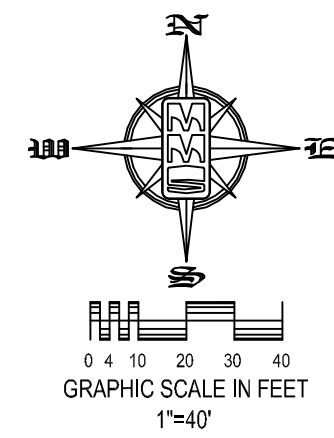
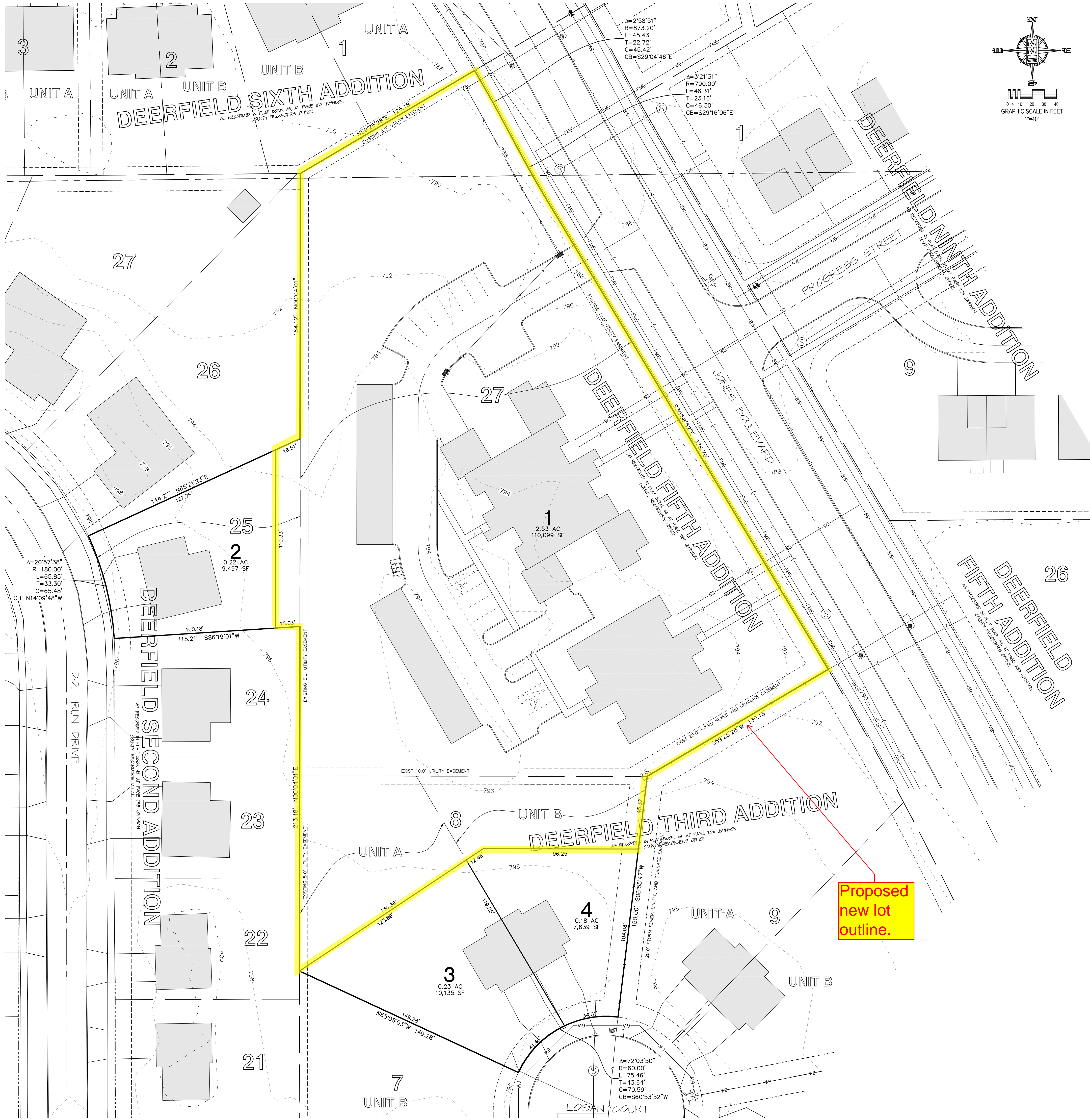
Date Revision

CONCEPT PLAN

VENOM VILLAS

NORTH LIBERTY
JOHNSON COUNTY
IOWA

MMS CONSULTANTS, INC.
Date: 03-01-17
Designed by: VJS Field Book No:
Drawn by: JDM Scale: 1"=30'
Checked by: DAM Sheet No:
Project No: 9436002
IOWA CITY
of: 1



PRELIMINARY PLAT VENOM VILLAS NORTH LIBERTY, IOWA

PLAT PREPARED BY:
MMS CONSULTANTS INC.
1917 S. GILBERT STREET
IOWA CITY, IA 52240

OWNER/APPLICANT:
VENOM INVESTMENTS, LLC
745 BARRINGTON ROAD
IOWA CITY, IA 52245

APPLICANT'S ATTORNEY:
NANCY B. WILLIS
500 S. DUBUQUE STREET
IOWA CITY, IA 52240

LEGAL DESCRIPTION
LOT 27 OF DEERFIELD FIFTH ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 44, AT PAGE 283, IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE.

ALSO,
LOT 8 OF DEERFIELD THIRD ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 44, AT PAGE 204, IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE.

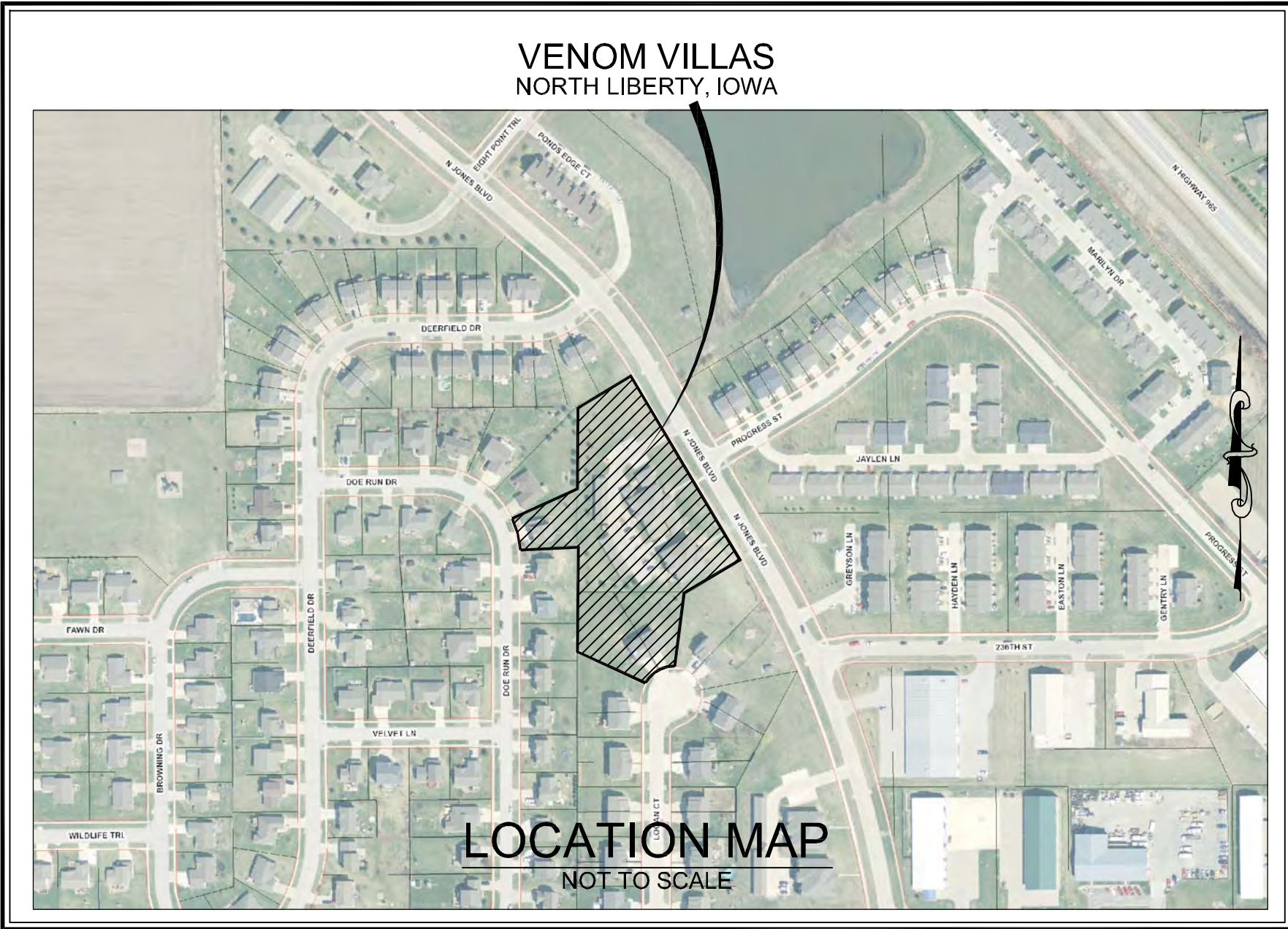
ALSO,
LOT 25 OF DEERFIELD SECOND ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 42, AT PAGE 258, IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE.

SAID RESULTANT TRACT CONTAINS 3.15 ACRES, AND IS SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

| STANDARD LEGEND AND NOTES | |
|---------------------------|-----------------------------------|
| | PROPERTY &/or BOUNDARY LINES |
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This exhibit for Planning
Commission reference only.



3.15 ACRES



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Date Revision

PRELIMINARY PLAT

VENOM VILLAS

NORTH LIBERTY
JOHNSON COUNTY
IOWA

MMS CONSULTANTS, INC.

Date: 03-01-17
Designed by: VJS Field Book No:
Drawn by: JDM Scale: 1"=30'
Checked by: DAM Sheet No:
Project No: 9436002
IOWA CITY
of: 1

March 28, 2017

Mr. Dean Wheatley, Planning Director
City of North Liberty
3 Quail Creek Court PO Box 77
North Liberty, IA 52317

RE: Notice of Potential Development
Location: 1415, 1455 N Jones Blvd

Dear Mr. Wheatley:

You expressed a preference for an email response but I am including what I believe is important visual evidence to support our position of objection to any application to further develop this property other than possibly to expand parking.


As a co-owner of Unit 1455-10 of the Deerfield Two Condominiums and only one of two remaining as owner/occupied, we have no reason to believe that additional housing on those grounds will add value to either the current residents or to the neighborhood. My mother, Lois Steen, who is now 91 years old, has resided at that location since 2004. For that entire time, the condo association has been mismanaged by the majority owner/landlord.

The property has been a general embarrassment to the immediate area and to the residents, both owners and tenants since Mr. Earl appointed himself to President, Secretary, Treasurer and manager of the Condo association.

Mr. Earl has no concept of duty to the minority condo owners, his tenants or the neighborhood. I would direct you to the email text set out in red and enclosed. I do not believe Mr. Earl is intentionally mean spirited, but the result is that of arrogance toward the City and neighbors. Adding to that problem in a space inadequate for his intentions would only exacerbate this unfavorable situation.

Finally and most importantly, I direct you to the enclosed pictures that I took over time at the condo premises. And, equally important, I re-direct you to the comment in the enclosed email regarding his total disregard of the City and neighborhood. The question is, do we want to try to manage the existing and ongoing problem or do we make it worse? The owners of Unit 1455-10 respectfully ask the City of North Liberty to reject any application to develop this property for additional residential use.

Respectfully submitted,



Robert Steen
625 Crestview Dr
Mechanicsville, IA 52306

Enclosures:



Notice of Potential Development

Location: 1415, 1455 N Jones Boulevard

This memo is to notify you that the City may soon consider a rezoning and subdivision plat for property in your area, and to give you a few details of that proposal. Further, I would like to invite you to contact me if you would like more information. The property is north of 240th Street on the west side of N Jones Boulevard. The proposal is to reconfigure several lots, adding to an existing multi-family lot, so that four additional townhome-style units can be constructed. A location map is shown on the right, and a concept plan prepared by the developer is shown on the back of this page. This memo is being sent to property owners within 200 feet of the proposed development.

As you can see on the concept plan by those areas highlighted in color and gray shading, area from 3 surrounding lots is proposed to be split off from those lots and added to the main multifamily lot, which would provide the area needed to add 4 row house-type new units at the north end of the lot. This plan is currently being considered by the owner/developer, and the City is contacting surrounding owners to gather any comments you may have regarding the proposal. No formal staff review has been done, nor have Planning Commission or City Council actions been taken, but the application may be made as early as March. Any comments I receive will be forwarded to the owner, Planning Commission, and City Council in order to help make the review as inclusive as possible. Formal public meetings will be held in April by the Planning Commission and City Council if the development applications proceed.

I'm sorry to say that I may have created some confusion in the neighborhood with an earlier letter sent out this month to the wrong set of neighbors, and I apologize for that mistake, but it is not too late to have your voice heard if you have comments, concerns, or would like to voice support or objections.



Please feel free to contact me directly, preferably by email so that I have a written record of your comments that can be made a part of the official record.

Dean Wheatley, Planning Director
City of North Liberty
3 Quail Creek Court, PO Box 77, North Liberty, Iowa 52317
319-626-5747
dwheatley@northlibertyiowa.org

From: earlproperties@aol.com [earlproperties@aol.com]
Sent: Wednesday, May 13, 2015 9:43 AM
To: Bob Steen; sackettjl@yahoo.com
Subject: Re: Condo association

Bob I would agree we had a snuff up on the lawn last week, due to the rain going everyday mostly, the lawn guys were waiting on a good day for 1 and 2 we had some mowers not working properly from the winter ect, they were instructed to do the lawn on Tues and it did get started until Sat and finished on Mon night . The lawn guys do have jobs and other misc things they do for others so sometimes getting them out there can be an adventure, Thats why we have 2 guys and I alternate them to keep them on their toes so needless to say they guy who cut it last week wont be used for a while. They do give us a special price and we have no contract which saves us money in the long run as ,Greg's and other companies want a contract and charge way too much for our association to pay and often want to bundle us with snow contracts.

In regards to the lot , I haven't figured out yet what can be done yet, I have gotten some intrest in other builders locally and still waiting on some site plans and set back lines and zoning clarification ect, your vote is noted,.

You were given a financial statement from our tax lady I sent last year, she does not do our taxes and the statement until july or august since we have no income to report and are not a profit entity ect. I will deliver that off to your mothers unit when I get it from our tax lady. She is the same person Wayne used when he as treasurer and she has singed off and prepared our statement to the goverment each year.

When you do get a buyer for your condo I can give them a statement from the association your account is in good standing , that is all that is required. I just bought 2 units in the 1355 association which is deer field 1 association. When I bought them 2 units, their financial records were not given to me nor could I request them as im not a board member nor are you in deer field 2 or your mother and technically since your not the owner I dont have to discuss any thing regarding deer field 2 to you. I do out of common courtesy since back from day 1 you handled your moms affairs. I will add the 1355 association has moved their condo dues to 100.00 a month and they special assessed their owners 500.00 each for the sprinklers and fire stuff. If you remember are dues are only 95.00 and we did not special assessment that much. That association is ran by river city. I once had my units ran by them and left them years ago as they were not looking out for me and it seems maybe they still are not looking out for the owners.

Feel free to put your signs up, just make sure they are not in the grass by the street. That is a north liberty ordinance they have to be up past the side walk as mine are. If they are below the side walk they can be taken and 100.00 dollar fine

Feel free to voice your displeasure with whom ever you feel at the city, they are used it as since Ive bought 2 units in 1355 building, a house on doe run nun, and 3 townhouses on deer field drive ,the neighborhood has banned together to call the city on my tenants dogs, me too many signs , not the right fliers ect. So I'm sure your complaints will fit right in.

Good luck on your sale for your moms unit, now is a hot market now, id be suprised if it lasts a few days, in fact I got a call from a property manager who has units in tiffin and looking for units to buy in North liberty so if you dont find a buyer I can link you 2 up

Acie Earl-Realtor in the State of Iowa
Sellers and Seekers Real Estate Company
www.sellersandseekers.com

www.earlproperties.com

U of Iowa -Adjunct Teacher / Sports and Rec Dept.

http://www.amazon.com/How-Play-Overseas-Rules-Player-ebook/dp/B00HJANI30/ref=sr_1_2?s=books&ie=UTF8&qid=1388728598&sr=1-2&keywords=acie+earl

*Sellers
& Seekers*

Real Estate Company

Acie Earl
LICENSED REAL ESTATE AGENT
319-621-1540































From: Glenn Chatfield <autumngrace@southslope.net>
Sent: Friday, March 10, 2017 9:54 AM
To: Dean Wheatley
Subject: Planned development

Mr Wheatley,

Sorry for the late response — my notice got buried under paperwork and I just found it.

I want to object to the proposal for 1415, 1455 N. Jones Blvd development. When we moved here in March 2002 (first occupied house — two other spec homes were here first — in this Deerfield development) we had no drainage problems in our back yard. When the huge duplexes were built behind us we began having drainage problems — regardless of the wonderful drain in the yard to our NE which doesn't take out water.

When we have heavy rains the north end of our back yard gets soaked and the water sits there. We have lost three apple trees and one pine tree which we planted along our fence, due to the soil getting so saturated back there that when the strong winds came with the storms the trees were uprooted.

In the NE corner of our back yard the area was always under water during rain so nothing would grow back there. So I tried to dig trenches to guide the water to the large drain but couldn't get low enough without going under the fence and so decided to make a small "pond" to collect the water and landscape around it. However, as I dug all I could do was get more and more mud and so gave up. We built up the area a bit and planted cat-tails and tall grass which was unaffected by the dampness.

In the rest of our back yard, where our gardens were up against our fence, there were times I could have put a canoe in the water that collected! We ended up bringing in top soil to raise the beds and made trenches around them and that has worked for the most part. But the water still takes forever to drain. NONE of this happened before the development of the duplexes.

So now you are looking to approve another development there which can only affect the drainage for the worse. I whole-heartedly object to the project!

Sincerely,
Glenn E. Chatfield
1470 Doe Run Dr.

From: Kat Lawrence <kathylwrnc5@icloud.com>
Sent: Wednesday, February 15, 2017 4:49 PM
To: Dean Wheatley
Cc: Joe Forbes
Subject: Acie Earl condo project

Hello Dean, my husband and I want to let you and city staff know that we are against Acie Earl building a condo building in the Deerfield Development.

We have seen first hand what happens to the property he has purchased in the past. The property isn't taken care of, cars left parked for weeks in the same spot and junk sitting around. Obviously, he isn't at all interested in the neighborhood.

Joe Forbes and Kathy Lawrence

Sent from my iPad

From: Shelly Simpson <ssimpson@southslope.net>
Sent: Tuesday, February 21, 2017 7:10 AM
To: Dean Wheatley
Subject: Good Neighbor Meeting Input - Lot 27 Deerfield Subdivision

To North Liberty City Planner and Planning & Zoning Committee,

This email is sent in reference to the upcoming Good Neighbor Meeting scheduled for February 23 from 5:30-6:30pm with regards to a parcel of land (Lot 27) in the Deerfield Subdivision. I am not within 200 feet of the proposed development but have resided in the Deerfield Subdivision for 10 years and wanted to express my concerns. I am in objection to this property being allowed to be rezoned for such a development.

How is the location of the proposed 4 new townhome-style units currently zoned? Should it be rezoned? I believe this area was to be the needed green space for the existing multi-family lot buildings. Is this correct and were there any original plans for the area from the original property developer/owner? Are there any green space ideas from other similar/like developments in North Liberty for consideration? I am assuming that the changes to Lot 8 would be to meet the green space requirements for the new proposed development. Green space should be accessible to everyone. This proposed location in Lot 8 would not have adequate accessibility for all. It would be behind the multi-family units, surrounded by fencing and at the end of a one way in and out driveway. The original green space area was located off the sidewalk and visible from Jones Blvd.

This proposal looks as if several lots will be re-platted; Lot 27, 25 and Lot 8. Suggested lot changes will not only decrease the value of the specified lots but all properties sale value in the development will be negatively impacted. Please consider looking at the Deerfield Subdivision conveyance to see if such proposal meets desires of the neighborhood. The proposal states townhome-style units – what does this actually mean? Will units be town homes or apartment units in disguise, thus very misleading to all! What is their proposed listed sale value if allowed? Will planned properties be owner occupied or rental units?

Can any information be provided on the developer of this project? Does developer have other properties in town? Has any citizen complaints or city code violations been issued with existing properties of the developer?

In conclusion, again I object to such rezoning and proposal due to negative impact to green space, several lot modifications decreasing sale value and if proposed units are not sold as owner occupied. I plan on attending the Good Neighbor meeting but wanted my voice heard just in case something comes up and I am not able to attend. Thanks for listening and consideration from a citizen perspective. If any of my points of emphasis or inquiries are inaccurate, please provide me with such clarifications/answers to help me be more informed on future matters.

Thank you,

Michelle Simpson
1270 Doe Run Drive
North Liberty, Iowa 52317
ssimpson@southslope.net

Ordinance No. 2017-05

AN ORDINANCE AMENDING CHAPTER 167 OF THE NORTH LIBERTY CODE OF ORDINANCES BY AMENDING THE USE REGULATIONS ON PROPERTY OWNED BY VENOM INVESTMENTS, LLC LOCATED IN NORTH LIBERTY, IOWA TO THOSE SET FORTH IN THE MUNICIPAL CODE FOR THE RM-8 MULTI FAMILY RESIDENTIAL ZONING DISTRICT

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

SECTION 1. AMENDMENT. Chapter 167 Zoning Code Definitions of the North Liberty Code of Ordinances (2013) is hereby amended by amending the zoning on property legally described as:

TRACT A: REZONE FROM RD-10 TO RM-8

BEGINNING AT THE NORTHWEST CORNER OF LOT 8 OF DEERFIELD THIRD ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 44, AT PAGE 204 IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE; THENCE S89°55'59"E, ALONG THE NORTH LINE OF SAID LOT 8, A DISTANCE OF 215.07 FEET, TO THE NORTHEAST CORNER THEREOF; THENCE S06°55'47"W, ALONG THE EAST LINE OF SAID LOT 8, A DISTANCE OF 45.32 FEET; THENCE N89°55'59"E, 96.25 FEET; THENCE S56°20'15"W, 136.36 FEET, TO THE SOUTHWEST CORNER OF SAID LOT 8; THENCE N00°04'01"E, ALONG THE WEST LINE OF SAID LOT 8, A DISTANCE OF 120.72 FEET, TO SAID POINT OF BEGINNING, CONTAINING 0.32 ACRE, (13,850 SQUARE FEET), AND SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

TRACT B: REZONE FROM RS-6 TO RM-8

BEGINNING AT THE SOUTHEAST CORNER OF LOT 25 OF DEERFIELD SECOND ADDITION, NORTH LIBERTY, IOWA, IN ACCORDANCE WITH THE PLAT THEREOF RECORDED IN BOOK 42, AT PAGE 258 IN THE RECORDS OF THE JOHNSON COUNTY RECORDER'S OFFICE; THENCE S86°19'01"W, ALONG THE SOUTH LINE OF SAID LOT 25, A DISTANCE OF 15.03 FEET; THENCE N00°04'01"E, 110.33 FEET, TO A POINT ON THE NORTH LINE OF SAID LOT 25; THENCE N65°21'23"E, ALONG SAID NORTH LINE, 16.51 FEET, TO THE NORTHEAST CORNER THEREOF; THENCE S00°04'01"W, ALONG THE EAST LINE OF SAID LOT 25, A DISTANCE OF 116.25 FEET, TO SAID POINT OF BEGINNING, CONTAINING 0.04 ACRE, (1,699 SQUARE FEET), AND SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD.

SECTION 2. REPEALER. All Ordinances and parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SEVERABILITY. If any section, provision or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading _____

Second reading _____

Third and final reading _____

CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-05 in the *North Liberty Leader* on _____.

TRACEY MULCAHEY, CITY CLERK

Athletic Field Lighting Ordinance



Ordinance No. 2017-01

AN ORDINANCE AMENDING CHAPTER 169, "ZONING CODE - DEVELOPMENT REGULATIONS" OF THE NORTH LIBERTY CODE OF ORDINANCES BY UPDATING SUBSECTION 169.12(1)(I) FOR CERTAIN OUTDOOR SPORTS FIELD LIGHTING

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

SECTION 1. AMENDMENT. Chapter 169, "Zoning Code – Development Regulations," of the North Liberty Code of Ordinances (2016) is hereby amended by repealing and adopting in lieu thereof Subsection 169.12(1)(I) to read as follows:

- I. Lighting Illumination Requirements. Exterior lighting shall relate to the scale and location of the development in order to maintain adequate security while preventing a nuisance or hardship to adjacent properties or streets. Lighting shall comply with the following requirements, except as specified in item 6.
 - (1) Light fixtures 300 feet or less from a residential zone shall be mounted no higher than 25 feet.
 - (2) Light fixtures greater than 300 feet from a residential zone shall be mounted no higher than 35 feet.
 - (3) All lights greater than 2,000 lumens, both pole-mounted and wall-mounted, shall be equipped with cutoff shields, so that no light shines above the horizontal and no direct light falls beyond the property line. Light reflectors and refractors may be substituted for shields on ornamental and pedestrian light fixtures.
 - (4) Light fixtures used to illuminate flags, statues, and objects mounted on a pole or pedestal shall use a narrow cone of light that does not extend beyond the illuminated object.
 - (5) Illumination shall not exceed one foot-candle at property boundaries of multi-family, commercial, and industrial uses adjacent to or across the street from a residential zone, or a commercial zone in which residential uses are permitted.
 - (6) Outdoor recreational facilities permitted by conditional use may be exempt from the specific exterior lighting standards, provided the Board of Adjustment approves a lighting plan as part of the conditional use approval process. Outdoor sports fields and courts operated by

the City or by a school district are exempt from the specific illumination requirements in this section, subject to approval by the City Council after review and recommendation of the Planning Commission, of a lighting plan that minimizes light impacts on adjacent property to the maximum extent technologically possible, and meets the following minimum requirements:

a. Use of the lighting is restricted to those hours when the recreational facility is in use, and lighting for said facilities shall be turned off by one hour after conclusion of the recreational activity. For facilities located in or adjacent to residential zones, lighting for said facilities shall be permitted after eleven o'clock P. M. only to conclude a scheduled event that was unable to conclude before that time due to unusual circumstances; and

b. Illumination shall not exceed one foot-candle at the closest part of any principle structure on any adjacent lot. If no principle structure exists on adjacent platted lots, illumination shall not exceed one foot-candle at a distance of eight-five feet from the front lot line of the adjacent lot, so that illumination does not exceed one foot-candle at the closest part of a future principle structure on a lot with a 25 foot setback and a 60 foot deep principle structure; and

c. All lights greater than 2,000 lumens, both pole-mounted and wall-mounted, shall be equipped with cutoff shields, so that no light shines above the horizontal and no direct light falls beyond the closest part of any principle structure on any adjacent lot. If no principle structure exists on adjacent platted lots, illumination shall not fall beyond a distance of eight-five feet from the front lot line of the adjacent lot, so that illumination does not fall at the closest part of a future principle structure on a lot with a 25 foot setback and a 60 foot deep principle structure.

SECTION 2. REPEALER. All Ordinances and parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SEVERABILITY. If any section, provision or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading on April 11, 2017.

Second reading on April 25, 2017.

Third and final reading on _____.

CITY OF NORTH LIBERTY:

ATTEST:

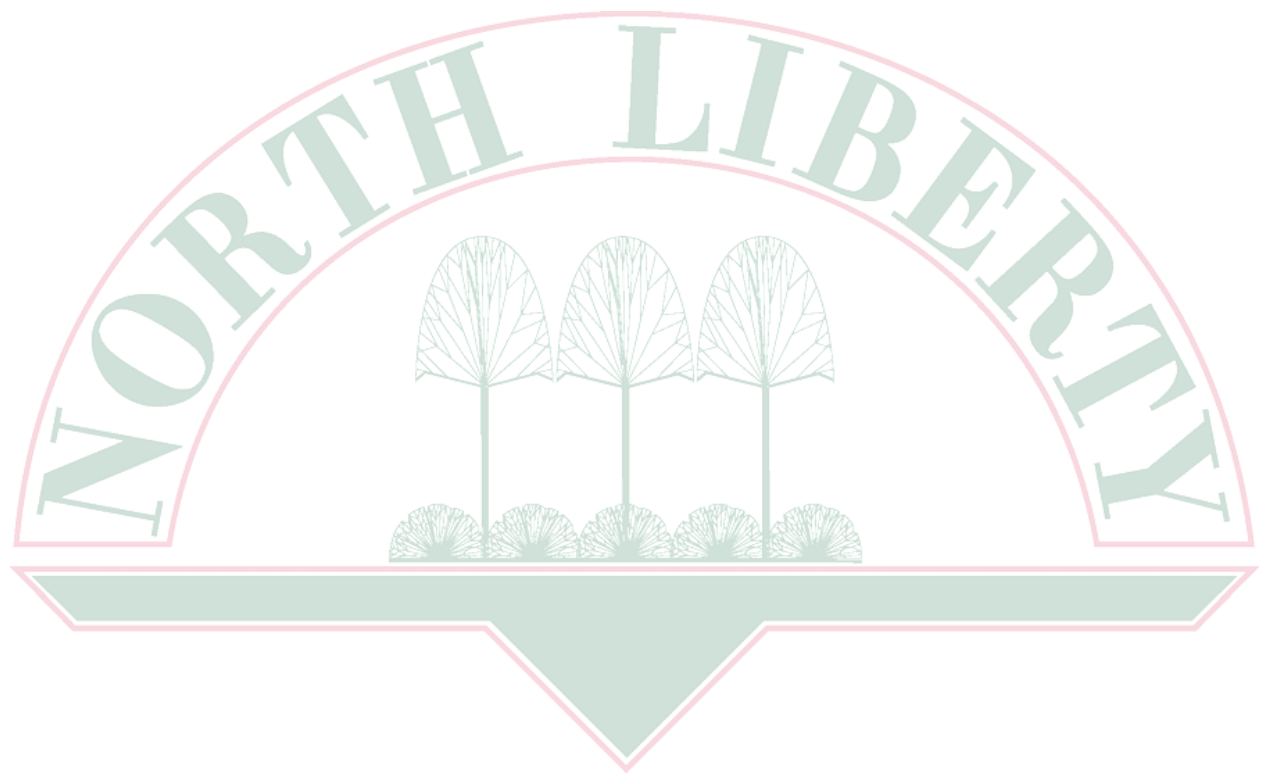
TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-01 in the North Liberty
Leader on the __ day of _____, 2017.

TRACEY MULCAHEY, CITY CLERK

Sign Ordinance



Ordinance No. 2017-02

AN ORDINANCE AMENDING CHAPTER 173, "ZONING CODE – SIGN REGULATIONS" OF THE NORTH LIBERTY CODE OF ORDINANCES BY UPDATING SECTION 173.08 ADDING A HEIGHT LIMITATION FOR GROUND SIGNS

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

SECTION 1. AMENDMENT. Chapter 173, "Zoning Code – Sign Regulations," of the North Liberty Code of Ordinances (2015) is hereby amended by deleting the existing Section 173.08 and adopting the revised Section 173.08 to establish a height limitation for ground signs in Industrial Zones.

173.08 SIGNS IN OFFICE/RESEARCH PARK AND INDUSTRIAL ZONES.

1. Development Complexes/Multi-Tenant Buildings. Development complexes shall be permitted one ground sign per public street frontage. The maximum permitted sign area for each development complex sign shall be as provided within the applicable zoning district, plus 10 additional square feet per business, enterprise, institution or franchise within development complex, but not more than 50 percent of the base allowable sign area.
2. Building Identification Signs. One building identification sign for each building shall be permitted provided that no such sign shall exceed 25 square feet.
3. Business Signs. Each enterprise, institution, or business shall be permitted wall signs, one canopy sign per street frontage, and one ground sign per public street frontage, subject to the following maximum size requirements. Multiple businesses in the same building shall apportion façade length, building wall, and street frontage such that any maximum size requirement is not exceeded for a particular property.
 - A. Maximum Wall Sign Area. The total area of wall signage shall not exceed three square feet for each lineal foot of building wall the sign is attached to when viewed in elevation, not to exceed 300 square feet.
 - B. Maximum Ground Sign Area. One ground sign is permitted per street frontage. The surface area for each sign shall be one square foot for each lineal foot of street frontage, not to exceed 100 square feet, except for development complexes as specified in section 173.08(1), and the height shall not exceed 24 feet.
 - C. Canopy Sign Area and Dimensions.
 1. The maximum allowable sign area shall be one square foot for each lineal foot of width of the canopy, awning, or similar structure from which the sign is attached, as measured perpendicular to the building wall.
 2. The maximum allowable horizontal length of a canopy sign shall be equal to the width of the canopy, awning, or similar structure from which the sign is attached, as measured perpendicular to the building wall.
 3. The minimum vertical clearance between the lower edge of a canopy or awning and the ground shall be eight feet.

SECTION 2. REPEALER. All Ordinances and parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SEVERABILITY. If any section, provision or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading on April 11, 2017.

Second reading on April 25, 2017.

Third and final reading on _____.

CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-02 in the North Liberty *Leader* on the __ day of _____, 2017.

TRACEY MULCAHEY, CITY CLERK

Backflow Prevention Ordinance



Ordinance No. 2017-03

**AN ORDINANCE ADDING CHAPTER 90 OF THE NORTH LIBERTY
CODE OF ORDINANCES TO ADDRESS BACKFLOW PREVENTION IN
CITY'S WATER SERVICE SYSTEM**

**BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY,
IOWA:**

SECTION 1. AMENDMENT. Chapter 90, "Water Service System," of the North Liberty Code of Ordinances (2016) is hereby amended by adding Section 90.21, "Backflow Prevention," to read as follows:

90.21 BACKFLOW PREVENTION.

1. Definitions. For use in this section, terms are defined in the current International Plumbing Code, as adopted and amended in Chapter 157 of this Code.
2. Applicability. A potable water supply system shall be designed, installed and maintained in such a manner so as to prevent contamination from nonpotable liquids, solids or gases being introduced into the potable water supply through cross connections or any other piping connections to the system.
 - A. The potable water supply to automatic fire sprinkler and standpipe systems shall be protected against backflow by a double check backflow prevention assembly, a double check fire protection backflow prevention assembly or a reduced pressure principle fire protection backflow prevention assembly.
 - B. The potable water supply to lawn irrigation systems shall be protected against backflow by an atmospheric vacuum breaker, a pressure vacuum breaker assembly or a reduced pressure principle backflow prevention assembly. Valves shall not be installed downstream from an atmospheric vacuum breaker. Where chemicals are introduced into the system, the potable water supply shall be protected against backflow by a reduced pressure principle backflow prevention assembly.
 - C. Where a potable water connection is made to a nonpotable line, fixture, tank, vat, pump or other equipment subject to high hazard backpressure, the potable water connection shall be protected by a reduced pressure principle backflow prevention assembly.
 - D. Where chemical dispensers connect to the potable water distribution system, the water supply system shall be protected against backflow in accordance with plumbing code.

- E. Where the portable cleaning equipment connects to the water distribution system, the water supply system shall be protected against backflow in accordance with the plumbing code.
 - F. Where dental pumping equipment connects to the water distribution system, the water supply system shall be protected against backflow in accordance with the plumbing code.
 - G. The water supply connection to coffee machines and noncarbonated beverage dispensers shall be protected against backflow by a backflow preventer conforming to ASSE 1022 or by an air gap.
3. Devices. Reduced pressure principle, double check, pressure vacuum breaker, reduced pressure detector fire protection, double check detector fire protection, and spill-resistant vacuum breaker backflow preventer assemblies and hose connection backflow preventers shall be tested at the time of installation, immediately after repairs or relocation, and at least annually.
4. Responsibility for Administration. The Building Official shall administer, implement, and enforce the provisions of this section. Any powers granted or duties imposed upon the Building Official may be delegated by the Building Official to persons or entities acting in the beneficial interest of or in the employ of the City.
5. Right of Entry. The Building Official shall be permitted access to a customer's premises, upon showing proper identification or upon search warrant by a court of appropriate jurisdiction, as often as necessary to ensure compliance with this section.
6. New Water Services and Modifications to Existing Services. Prior to the issuance of a building permit, the contractor/builder shall submit plans for a new water service or modifications to an existing service to the Building Official for review. The Building Official shall determine the type of backflow prevention assembly required for containment based upon the degree of hazard. The Building Official shall require the installation of the appropriate backflow prevention assembly for containment prior to the initiation of water service.
7. Containment/Isolation. All customers whose premises are not classified as single-family residential by the Building Official shall be inspected by the Building Official to determine the type and degree of hazard to the water system. Upon conclusion of the inspection, the Building Official shall determine the type of backflow prevention assembly required to achieve containment and isolation. Upon written notice, the customer, at the customer's own expense, shall install all backflow prevention assemblies mandated by the Building Official.
8. Annual Report and Inspection by Customer. When a water service is initially installed or an existing water service is modified, the service shall be tested and approved by the Building Official. Every twelve (12) months thereafter, the

customer shall submit to the Building Official a report from a registered backflow prevention assembly technician, certifying that containment and isolation on the customer's premises have been achieved.

9. Annual Certification Fee. For each annual certification report, as required in Paragraph 6, the customer shall pay a fee, the amount for which shall be set by resolution of the City Council.

SECTION 2. REPEALER. All Ordinances and parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SEVERABILITY. If any section, provision or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading on April 25, 2017.

Second reading on _____, 2017.

Third and final reading on _____, 2017.

CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-03 in the North Liberty *Leader* on the ____ day of _____, 2017.

TRACEY MULCAHEY, CITY CLERK

Electrician/Plumber Licensing Ordinance



Ordinance No. 2017-04

AN ORDINANCE AMENDING CHAPTER 125, "ELECTRICIAN AND PLUMBER LICENSES," OF THE NORTH LIBERTY CODE OF ORDINANCES BY REPEALING CHAPTER 125

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

SECTION 1. AMENDMENT. Chapter 125, "Electrician and Plumber Licenses," of the North Liberty Code of Ordinances (2016) is hereby amended by repealing it in full.

SECTION 2. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading on _____, 2017.

Second reading on _____, 2017.

Third and final reading on _____, 2017.

CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-04 in the *North Liberty Leader* on the ____ day of _____, 2017.

TRACEY MULCAHEY, CITY CLERK

Wood River Energy Agreement





NATURAL GAS SALES AGREEMENT

Dated April 25, 2017

Seller:

WOODRIVER ENERGY, L.L.C.
3300 E. 1st Ave., Ste 600
Denver, CO 80206-5809

Attn: Athena Simpson
Phone: 641-990-3778
Email: Athena.simpson@woodriverenergy.com

Buyer:

The City of North Liberty
3 Quail Creek Circle
North Liberty, IA 52317

Attn: Ryan Heiar, City Administrator
Phone: 319-626-5700 Fax: 319-626-3288
Email: rheiar@ci.north-liberty.ia.us
Note: paper invoice is \$5 per invoice per month)
Bill To Attn: Tracey Mulcahey
Address: (same as above)
Bill to Email: jdykstra@northlibertyiowa.org

Term: 1 year beginning May 1, 2017 and continuing year to year thereafter unless cancelled by either party giving at least thirty (30) days written notice prior to the end of the initial term or any subsequent anniversary date thereto.

Pipeline: NGPL

LDC: MidAmerican Energy

Facility Name/Address:

520 W Cherry St., North Liberty IA 52317
1390 S Front St., North Liberty IA 52317

Acct. No.

79170-86015
04080-90003

Meter

TY0132388
T98183304

Contract Price: The contract price for the first year of the Agreement shall be 95% of MidAmerican's MVF total cost for natural gas service.

Special Provisions: The Special Provisions below amend and supersede the General Terms and Conditions set forth on Page 3 of this agreement.

(1) In addition to the contract price stated above Buyer is responsible for all transportation charges, fees and any and all taxes applicable to the MVF rates less 5% to effectuate delivery of gas to Buyer. Any tariff changes effecting transportation cost shall be the responsibility of Buyer.

(2) With respect to General Terms and Conditions paragraph 3 Transportation: the phrase 'delivery point' shall be defined as customer's meter.

(3) Both parties acknowledge and agree with respect to General Terms and Conditions paragraph 4 Imbalances: this paragraph will be deleted in its entirety and replace with the following language "Seller shall not pass through any imbalance penalties to Buyer. However, in the event there is a material change in the imbalance provisions provided by the utility, Seller at may request a renegotiation of the Agreement."

(4) Both parties acknowledge and agree with respect to General Terms and Conditions paragraph 5 Billing and Payment: the phrase "net fifteen (15) days" shall be replaced with "thirty (30) days".

NATURAL GAS SALES AGREEMENT

Dated April 25, 2017 By and between WoodRiver Energy LLC (Seller) and The City of North Liberty (Buyer)

Continued.....

(5) Both parties acknowledge and agree with respect to General Terms and Conditions paragraph 6 Credit Requirements: this paragraph shall be stricken in its entirety.

(6) Both parties acknowledge and agree with respect to the General Terms and Conditions Paragraph 10 Laws and Regulation: the sentence "The laws of the state of Colorado shall govern in interpretation and performance of this Agreement. Venue for any action tried hereunder shall be in Denver County, Colorado, whether in federal or state court." Shall be replace with "The laws of the state of Iowa shall govern in interpretation and performance of this Agreement. Venue for any action tried hereunder shall be in Johnson County, Iowa, for state court and the Southern District of Iowa for federal court.

(7) Both parties acknowledge and agree with respect to the General Terms and Conditions Paragraph 12 Confidentiality: this paragraph shall be stricken in its entirety.

(8) Both parties acknowledge and agree with respect to the General Terms and Conditions Paragraph 13 Agreement & Confirmation: shall be stricken and replaced with the following "In order to make timely transactions, any subsequent transactions by e-mail with the offer and acceptance shall constitute an agreement of the parties. The parties shall be legally bound from the time they agree to the transaction terms and may each rely thereon. Seller's Transaction Confirmation will be deemed conclusive and will bind Buyer and Seller if Buyer fails to return the executed Transaction Confirmation within 48 house of receipt.

Except for the Special Provisions set out above, this Agreement is subject to the General Terms and Conditions as described on page 3 of this agreement.

WOODRIVER ENERGY, L.L.C.
(Seller)

THE CITY OF NORTH LIBERTY
(Buyer)

By: Jo Nanette Moak
Title: Administrative Manager

By: Terry L. Donahue
Title: Mayor

Date: _____

Date: _____

General Terms and Conditions

WHEREAS, Buyer desires to buy and Seller desires to sell natural gas, Buyer and Seller enter into the Agreement s set out below:

1. **Term:** Unless otherwise stated on the front of the Agreement, this Agreement shall renew automatically for a Term of (1) year and year-to-year thereafter unless terminated by either party by providing 30 day written notice prior to the end of the initial Term or any subsequent anniversary date.
2. **Quantity:** Seller agrees to sell and Buyer agrees to purchase 100% of the natural gas requirements of Buyer.
3. **Transportation:** Seller shall arrange for transportation to the delivery point and Buyer shall arrange for subsequent transportation from the delivery point.
4. **Imbalances:** Buyer and Seller shall use best efforts to avoid imbalances and imbalance penalties (if any). Should either Buyer or Seller receive an imbalance penalty charge from the transporting pipeline or LDC, Seller shall determine the validity of the charges. If the Buyer's failure to accept a quantity of gas equal to Seller's nomination, then Buyer shall pay for or reimburse Seller for such imbalance charges. If the Seller fails to deliver the quantity of gas equal to the Buyer's confirmed nomination then the cost incurred shall be the liability of the Seller.
5. **Billing and Payment:** Seller shall e-Bill the Buyer on the earliest practicable date each month showing the quantity of gas billable for the previous month's bill period and sum payable by ACH to Seller from Buyer. Buyer may pay by ACH to Seller the sum shown by each billing, including sales, use, franchise and excise taxes and all other governmental impositions relative to the sale or consumption of natural gas, based on net fifteen (15) days from the billing date. With the exception of e-Bill arrangements all monthly billing may be subject to a \$5.00 per month per invoice processing fee. Billing unpaid when due shall be subject to a late charge of Ten Dollars (\$10.00) plus interest at the rate of one and one half percent (1 ½%) per month or the maximum rate allowed by law, whichever is less.
6. **Credit Requirements:** Buyer shall make credit arrangements satisfactory to the Seller, which may include providing a deposit, prepayments, Letter of Credit, or other security as requested by Seller. Seller reserves the right to review such credit arrangements at any time before, or during the term of this contract. If Buyer fails to make credit arrangements satisfactory to Seller, Seller at sole discretion may terminate this contract and/or suspend deliveries hereunder upon five (5) business days prior to notice to Buyer.
7. **Event of Default:** In the event of Default by either party, the Defaulting Party or its guarantor hereby agrees that the other party shall have the right, at its sole election, to immediately withhold or suspend deliveries or payments upon written notice and/ or to terminate and liquidate the transactions under this Agreement in good faith and in a commercially responsible manner, and to assess and apply all costs of liquidation and early termination to the Defaulting Party, in addition to any and all other remedies available hereunder.
8. **Title & Possession:** Buyer shall take title, possession and control of the gas no later than at the Point of Delivery.
9. **Force Majeure:** An event of Force Majeure shall not excuse either party from liquidation damages related to the settlement of any Basis or Fixed Price related to quantities. Force Majeure means acts of God, strikes, lock outs, or other industrial disturbances including those involving or affecting parties producing or transporting gas for Seller.
10. **Laws and Regulation:** This Agreement, each of its provisions, and all supplements amendments or addenda to it are subject to all valid, applicable federal and state laws and to the orders, rules and regulations of any duly constituted regulatory body or authority, state or federal, having jurisdiction. The laws of the state of Colorado shall govern in interpretation and performance of this Agreement. Venue for any action tried hereunder shall be in Denver County, Colorado, whether in federal or state court.
11. **Assignment:** Buyer may not assign any of its rights or obligations under this Agreement; except that Buyer may assign this Agreement in connection with the sale or transfer of the real property associated with the delivery point hereunder, provided that Seller shall have received written notice from Buyer thereof, and Seller shall have been provided with certified copies of the instruments properly evidencing such sale or transfer, and further provided that any such proposed assignee shall have satisfied the credit requirements of this Agreement and shall have executed and delivered to Seller all documents required by Seller in order to be bound by this Agreement. Any assignment by Buyer in accordance with the foregoing sentence shall not become effective until the first day of the calendar month next following the date upon which all of the foregoing requirements have been satisfied.
Seller may assign this Agreement and any or all sums payable by Buyer hereunder upon notice to Buyer of such as assignment, and without limiting the foregoing, Buyer hereby consents to the pledge and collateral assignment of this Agreement by Seller to Shell Energy North America (USA), L.P. and its successors and assigns. Upon notice to Buyer of any such assignment by Seller, Buyer shall pay all sums due hereunder to such assignee without offset, counterclaim or defense of any kind.
12. **Confidentiality:** The parties agree to keep the terms of this Agreement and of any transaction hereunder, including but not limited to, the Base Contract Price, the Monthly Quantity, and the Term, confidential, except as may be required to effectuate transportation of the gas or to meet the requirements of a state or federal regulatory agency having jurisdiction over the matter for which information is sought.
13. **Agreement & Confirmation:** In order to make timely transactions, any subsequent transactions in e-mail or a telephone conversation with the offer and acceptance constituting an agreement of the parties. The parties shall be legally bound from the time they agree to the transaction terms and may each rely thereon. Seller's confirmation will be deemed conclusive and will bind Buyer and Seller if not received by the end of the second business day following Buyer's receipt of the confirmation.
14. **Limitations:** FOR BREACH OF ANY PROVISION FOR WHICH AN EXPRESS REMEDY OR MEASURE OF DAMAGES IS PROVIDED, SUCH EXPRESS REMEDY OR MEASURE OF DAMAGES SHALL BE THE SOLE AND EXCLUSIVE REMEDY. A PARTY'S LIABILITY HEREUNDER SHALL BE LIMITED AS SET FORTH IN SUCH PROVISION, AND ALL OTHER REMEDIES OR DAMAGES AT LAW OR IN EQUITY ARE WAIVED.
15. **Disclaimer:** The Seller nor any of its employees or affiliates is acting as a Broker, Dealer or Commodity Trading Advisor, and no such person is registered as a Commodity Trading Advisor. Seller is not advising Buyer concerning the use of any registered futures contract or standardized instrument for future delivery on any exchange. Buyer acknowledges that all decisions related to energy transactions are authorized and executed based upon the Buyer's full knowledge and independent action and confirms that Buyer is an "eligible contract participant" as defined by the CEA.

Buyer's Initials



MONTHLY METERED GAS TRANSPORTATION SERVICE CONTRACT

Customer, or Pool Operator on behalf of Customer, ("Customer"), and pursuant to properly executed authorization and release agreement, agrees to the terms and conditions of the Monthly Metered Transportation ("MMT") tariff service, which is part of MidAmerican Energy Company's ("Company") Natural Gas Tariff, on file with and made effective by applicable public utility regulatory authorities, as may subsequently be amended.

This Contract shall replace all previous transportation contracts entered into by Customer or on behalf of, and will be effective as of May 1, 2017, and shall continue in effect month to month thereafter, unless terminated by either party upon thirty (30) days written notice.

CUSTOMER INFORMATION

| | | | |
|------------------|---|-----------------------|---|
| Company: | <u>City of North Liberty</u> | Service Address: | <u>520 W Cherry St., North Liberty IA 52317</u> |
| Name: | <u>Terry L. Donahue, Mayor</u> | Account Number: | <u>79170-86015</u> |
| Mailing Address: | <u>3 Quail Creek Circle, PO Box 77, North Liberty, IA 52317</u> | Meter Number: | <u>TY0132388</u> |
| Phone: | <u>319-626-5700</u> | Requested Start Date: | <u>May 1, 2017</u> |



Check this box if Customer has additional service addresses covered under this agreement and listed on Appendix A.

OPTIONAL CAPACITY RELEASE – IOWA CUSTOMERS ONLY

A Customer can make a one-time request for interstate pipeline transportation capacity to be released to their Pool Operator for their future interstate pipeline capacity by providing the Company a thirty (30) day written notice prior to the completion of the initial 12 month capacity release term on the MMT transportation service.

In WITNESS WHEREOF, The parties hereto have executed this Contract as of the day and year set forth below:

COMPANY

CUSTOMER

Signed: _____

Signed: _____

Name: _____

Name: Terry L. Donahue

Title: _____

Title: Mayor

Date: _____

Date: _____



MIDAMERICAN ENERGY COMPANY AUTHORIZATION AND RELEASE AGREEMENT

The undersigned Customer hereby designates WoodRiver Energy LLC ("Agent") as Customer's agent for the purposes of the Gas Transportation Contract or Agreement ("Contract") entered into with the local distribution company, MidAmerican Energy Company ("LDC"). Customer authorizes LDC to accept from Agent nominations and to take other actions regarding Customer's accounts, made by Agent on behalf of Customer for the purposes of the Contract. Customer further authorizes LDC for the purposes of the Contract to provide to Agent usage information, copies of billings, real-time information and such other information relating to the Contract as Agent may request and LDC deems necessary for performance of the Contract.

This Authorization and Release shall not relieve Customer of any obligation under the Contract, including but not limited to, the obligation to pay any penalty assessed pursuant to the Contract or any applicable rate schedule of LDC. Customer hereby releases and agrees to protect, defend, indemnify and hold harmless LDC from any and all liability, claims and actions arising from LDC's good faith acceptance of nominations or other instructions from Agent and good faith provision to Agent of usage information, copies of billings and other information relating to the Contract.

This Authorization and Release shall remain in effect until Customer delivers written notice of termination to LDC at least ten (10) days prior to the effective date of termination unless waived by LDC. Notice of termination shall be given in accordance with the provisions of the Contract relating to notices.

CUSTOMER INFORMATION

| | | | |
|--------------|------------------------------|-----------------------|-------------------------------|
| Company: | <u>City of North Liberty</u> | Service Address: | <u>520 W Cherry St</u> |
| Name: | <u>Terry L. Donahue</u> | City, State and Zip: | <u>North Liberty IA 52317</u> |
| ✓ Signature: | | Account Number: | <u>79170-86015</u> |
| Title: | <u>Mayor</u> | Meter Number: | <u>TY0132388</u> |
| Phone: | <u>319-626-5700</u> | Transport Start Date: | <u>May 1, 2017</u> |
| ✓ Date: | | | |

✓ Check this box if Customer has additional service addresses covered under this agreement and listed on Appendix A.

CUSTOMER BILLING OPTIONS

- ☐ Check this box if Customer elects **not** to have its transportation bill sent to its Agent
- ☒ Check this box and enter billing information if Customer elects to have its transportation bill sent to their Agent.

Name: WoodRiver Energy LLC

Address: 3300 E. 1st Ave., Ste 600

City, State and Zip: Denver, CO 80206-5809

AGREEMENT REPLACEMENT OPTION

- ☐ Check this box if agreement replaces all previous Authorization and Release agreements that Customer may have with other Agents. Previous agreements will be deemed terminated on the effective date of this agreement.

MIDAMERICAN ENERGY (Local distribution company personnel only)

| | | | |
|--------|--|------------|--|
| Name: | | Signature: | |
| Title: | | Date: | |

Resolution No. 2017-46

A RESOLUTION APPROVING THE NATURAL GAS SALES AGREEMENT BETWEEN WOODRIVER ENERGY, LLC AND THE CITY OF NORTH LIBERTY, IOWA REGARDING THE CITY'S NATURAL GAS PURCHASES FOR CERTAIN FACILITIES

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

WHEREAS, the City Council desires to enter into an agreement with WoodRiver Energy, LLC regarding the purchase of natural gas for city facilities at 520 W. Cherry Street and 1390 S. Front Street at a reduced rate than currently being paid,

WHEREAS, the agreement establishes the terms and conditions for the city's purchase of natural gas from WoodRiver Energy, LLC, and

WHEREAS, the terms and conditions have been set forth in the attached 28E agreement,

NOW, THEREFORE, BE IT RESOLVED that that the attached agreement between the City of North Liberty and WoodRiver Energy LLC is approved.

BE IT FURTHER RESOLVED that the Mayor is hereby authorized to execute said agreement.

APPROVED AND ADOPTED this 9th day of May, 2017.

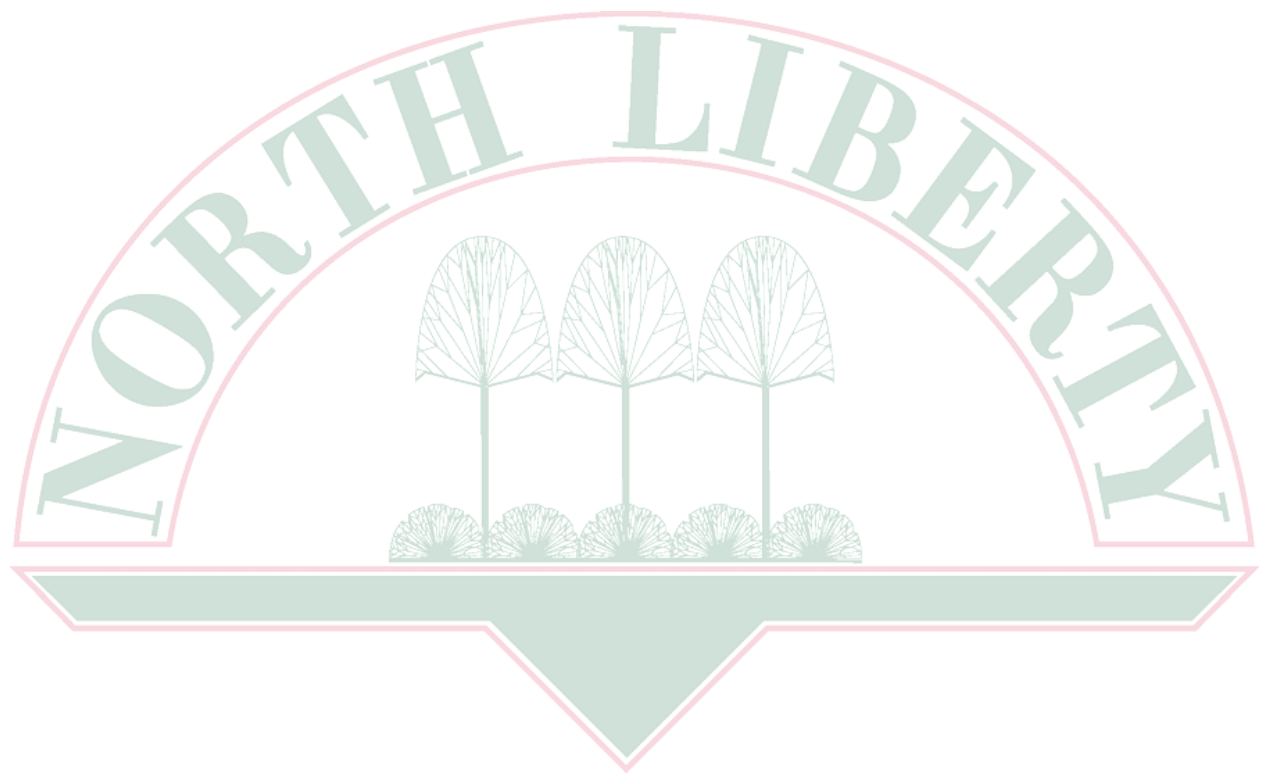
CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

Water Rate Ordinance



Water Utility Budget & Forecast

| | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Audited | Actual | Budget | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated |
| Budget Inflation Rate | | 6.86% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| Number of Accounts | 8,072 | 8,276 | 8,442 | 8,610 | 8,783 | 8,958 | 9,137 | 9,320 | 9,507 | 9,697 | 9,891 | 10,088 | 10,290 | 10,496 |
| Gallons Sold | 338,034,000 | 361,223,000 | 360,000,000 | 367,200,000 | 374,544,000 | 382,034,880 | 389,675,578 | 397,469,089 | 405,418,471 | 413,526,840 | 421,797,377 | 430,233,325 | 438,837,991 | 447,614,751 |
| Proposed Rate Increase | 5% | 5% | 5% | 5% | 5% | 5% | 5% | 5% | 5% | 3% | 3% | 0% | 0% | 0% |
| Base Rate | \$13.45 | \$14.12 | \$14.83 | \$15.57 | \$16.35 | \$17.17 | \$18.02 | \$18.93 | \$19.87 | \$20.47 | \$21.08 | \$21.08 | \$21.08 | \$21.08 |
| Rate/1000 Gallons | \$5.43 | \$5.70 | \$5.99 | \$6.29 | \$6.60 | \$6.93 | \$7.28 | \$7.64 | \$8.02 | \$8.26 | \$8.51 | \$8.51 | \$8.51 | \$8.51 |
| Revenues | | | | | | | | | | | | | | |
| Water Sales | \$2,649,296 | \$2,879,210 | \$3,028,319 | \$3,243,330 | \$3,473,607 | \$3,720,233 | \$3,984,369 | \$4,267,259 | \$4,570,235 | \$4,801,489 | \$5,044,444 | \$5,145,333 | \$5,248,239 | \$5,353,204 |
| Sales Tax | \$170,919 | \$185,279 | \$184,905 | \$197,850 | \$191,048 | \$204,613 | \$219,140 | \$234,699 | \$251,363 | \$264,082 | \$277,444 | \$282,993 | \$288,653 | \$294,426 |
| Connection Fees/Permits | \$107,212 | \$91,937 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 | \$80,000 |
| Use of Money | \$849 | \$399 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 | \$400 |
| Miscellaneous | \$24,082 | \$185,815 | \$130,500 | \$500 | \$500 | \$500 | \$500 | \$500 | \$500 | \$500 | \$500 | \$500 | \$500 | \$500 |
| Transfers | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Accounts Receivable/Payable | (\$9,723) | (\$40,310) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Water Utility Revenues | \$2,942,635 | \$3,302,330 | \$3,424,124 | \$3,522,080 | \$3,745,555 | \$4,005,745 | \$4,284,409 | \$4,582,859 | \$4,902,498 | \$5,146,470 | \$5,402,788 | \$5,509,226 | \$5,617,793 | \$5,728,530 |
| Expenditures | | | | | | | | | | | | | | |
| Budget Inflation Rate | | 4.72% | 11.18% | 20.14% | 10.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Personnel Services | \$486,505 | \$517,325 | \$534,638 | \$616,543 | \$678,197 | \$712,107 | \$747,713 | \$785,098 | \$824,353 | \$865,571 | \$908,849 | \$954,292 | \$1,002,006 | \$1,052,107 |
| Services & Commodities | \$1,029,999 | \$1,288,350 | \$1,171,887 | \$1,205,795 | \$1,326,375 | \$1,392,693 | \$1,462,328 | \$1,535,444 | \$1,612,216 | \$1,692,827 | \$1,777,469 | \$1,866,342 | \$1,959,659 | \$2,057,642 |
| Capital | \$0 | \$1,161 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Transfers | | | | | | | | | | | | | | |
| Equipment Revolving | \$56,000 | \$85,500 | \$115,000 | \$175,000 | \$185,000 | \$70,000 | \$65,000 | \$150,000 | \$75,000 | \$75,000 | \$75,000 | \$75,000 | \$75,000 | \$75,000 |
| Capital Reserve | \$80,000 | \$0 | \$120,000 | \$300,000 | \$25,000 | \$150,000 | \$25,000 | \$25,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| Revenue Debt | \$679,227 | \$512,465 | \$533,470 | \$537,870 | \$541,275 | \$543,755 | \$539,760 | \$349,860 | \$342,863 | \$120,278 | \$117,308 | \$119,008 | \$0 | \$0 |
| GO Debt | \$148,525 | \$162,703 | \$391,215 | \$391,230 | \$390,922 | \$395,347 | \$320,600 | \$319,800 | \$243,900 | \$249,400 | \$249,700 | \$249,900 | \$0 | \$0 |
| Billing & Accounting | \$284,513 | \$327,698 | \$321,329 | \$356,855 | \$371,129 | \$385,974 | \$401,413 | \$417,470 | \$434,169 | \$451,535 | \$469,597 | \$488,381 | \$507,916 | \$528,233 |
| Upcoming Projects | | | | | | | | | | | | | | |
| (1) Phase 1a - Construct New Water Plant | | | \$31,389 | \$284,047 | \$439,075 | \$541,400 | \$1,239,400 | \$1,223,400 | \$1,207,400 | \$1,191,400 | \$1,653,760 | \$1,653,840 | \$1,653,760 | \$1,654,160 |
| (2) Phase 1b - Construct Water Tower | | | | | | | | | | | | | | |
| (3) Phase 1c - Well & Main Improvements | | | | | | | | | | | | | | |
| Total Water Utility Expenditures | \$2,764,769 | \$2,895,202 | \$3,218,928 | \$3,867,340 | \$3,956,973 | \$4,191,277 | \$4,801,214 | \$4,806,072 | \$4,789,901 | \$4,696,011 | \$5,301,682 | \$5,456,762 | \$5,248,341 | \$5,417,141 |
| Net Change in Fund Balance | \$177,866 | \$407,128 | \$205,196 | (\$345,260) | (\$211,418) | (\$185,532) | (\$516,804) | (\$223,214) | \$112,597 | \$450,460 | \$101,106 | \$52,464 | \$369,451 | \$311,389 |
| Beginning Fund Balance | \$1,005,287 | \$1,183,153 | \$1,590,281 | \$1,795,477 | \$1,450,218 | \$1,238,800 | \$1,053,269 | \$536,464 | \$313,251 | \$425,847 | \$876,307 | \$977,413 | \$1,029,877 | \$1,399,328 |
| Ending Fund Balance | \$1,183,153 | \$1,590,281 | \$1,795,477 | \$1,450,218 | \$1,238,800 | \$1,053,269 | \$536,464 | \$313,251 | \$425,847 | \$876,307 | \$977,413 | \$1,029,877 | \$1,399,328 | \$1,710,717 |
| % Reserved | 42.79% | 54.93% | 55.78% | 37.50% | 31.31% | 25.13% | 11.17% | 6.52% | 8.89% | 18.66% | 18.44% | 18.87% | 26.66% | 31.58% |
| Total Personnel Costs | \$486,505 | \$517,325 | \$534,638 | \$616,543 | \$678,197 | \$712,107 | \$747,713 | \$785,098 | \$824,353 | \$865,571 | \$908,849 | \$954,292 | \$1,002,006 | \$1,052,107 |
| % of Water Utility Expenditures | 17.60% | 17.87% | 16.61% | 15.94% | 17.14% | 16.99% | 15.57% | 16.34% | 17.21% | 18.43% | 17.14% | 17.49% | 19.09% | 19.42% |
| Debt Service Coverage | | | | | | | | | | | | | | |
| Net Revenue/All Revenue Debt | 2.10 | 2.92 | 3.04 | 2.07 | 1.78 | 1.75 | 1.17 | 1.44 | 1.59 | 1.97 | 1.53 | 1.52 | 1.61 | 1.58 |
| Required Coverage | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 |
| Desired Coverage | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Difference (Actual vs. Required) | 0.90 | 1.72 | 1.84 | 0.87 | 0.58 | 0.55 | (0.03) | 0.24 | 0.39 | 0.77 | 0.33 | 0.32 | 0.41 | 0.38 |

-Summary of Upcoming Projects-

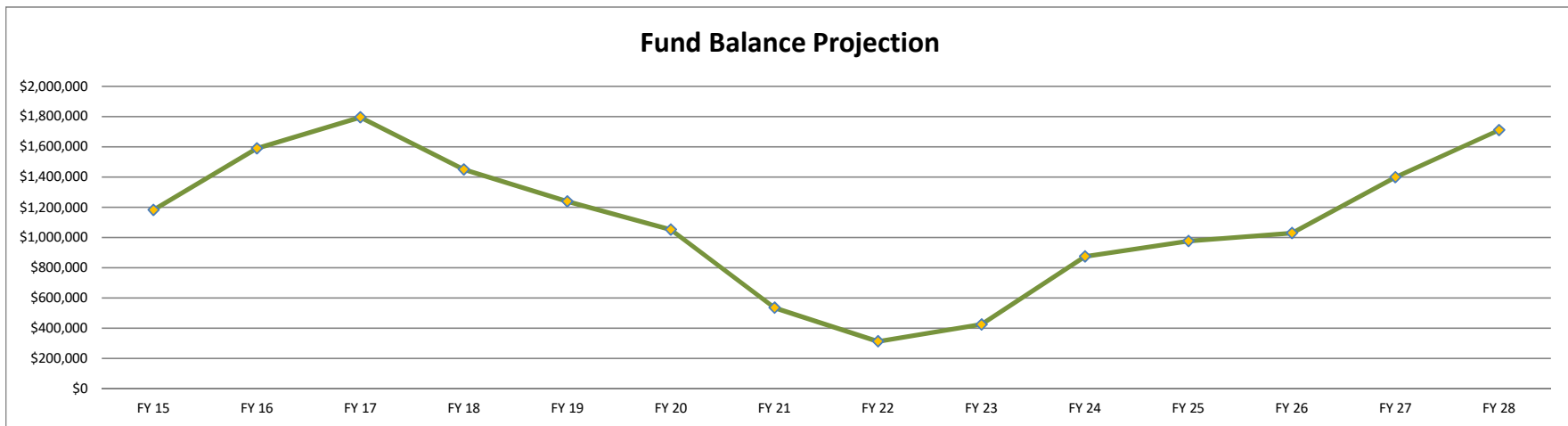
(1) Phase 1a-Construct New Water Plant: Construct new RO water plant at Maintenance Facility Campus on Front Street as per Facility Plan; project also includes construction of Jordan and Sulliran wells, and raw water main; total cost estimated at **\$23 million**.

(2) Phase 1b-Construct Water Tower: Construct water tower as per Facility Plan; total cost estimated at **\$2.8 million**.

(3) Phase 1c-Well and Main Improvements: Construct a new Jordan well and install a new raw water main as per Facility Plan; total cost estimated at **\$3.2 million**.

Water Utility Budget & Forecast

| Water Rate Increase Analysis | | | | | | | | | | | | | |
|------------------------------|------------------------------------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Consumption in Gallons | Monthly Water Costs Based on Usage | | | | | | | | | | | | |
| | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 |
| | 3,000 | \$24.31 | \$25.53 | \$26.80 | \$28.14 | \$29.55 | \$31.03 | \$32.58 | \$34.21 | \$35.92 | \$36.99 | \$38.10 | \$38.10 |
| | 5,000 | \$35.17 | \$36.93 | \$38.77 | \$40.71 | \$42.75 | \$44.89 | \$47.13 | \$49.49 | \$51.96 | \$53.52 | \$55.13 | \$55.13 |
| | 8,000 | \$51.46 | \$54.03 | \$56.73 | \$59.57 | \$62.55 | \$65.68 | \$68.96 | \$72.41 | \$76.03 | \$78.31 | \$80.66 | \$80.66 |
| | 11,000 | \$67.75 | \$71.14 | \$74.69 | \$78.43 | \$82.35 | \$86.47 | \$90.79 | \$95.33 | \$100.10 | \$103.10 | \$106.19 | \$106.19 |
| | 15,000 | \$89.47 | \$93.94 | \$98.64 | \$103.57 | \$108.75 | \$114.19 | \$119.90 | \$125.89 | \$132.19 | \$136.15 | \$140.24 | \$140.24 |
| Additional Water Cost/Month | 3,000 | | \$1.22 | \$1.28 | \$1.34 | \$1.41 | \$1.48 | \$1.55 | \$1.63 | \$1.71 | \$1.08 | \$1.11 | \$0.00 |
| | 5,000 | | \$1.76 | \$1.85 | \$1.94 | \$2.04 | \$2.14 | \$2.24 | \$2.36 | \$2.47 | \$1.56 | \$1.61 | \$0.00 |
| | 8,000 | | \$2.57 | \$2.70 | \$2.84 | \$2.98 | \$3.13 | \$3.28 | \$3.45 | \$3.62 | \$2.28 | \$2.35 | \$0.00 |
| | 11,000 | | \$3.39 | \$3.56 | \$3.73 | \$3.92 | \$4.12 | \$4.32 | \$4.54 | \$4.77 | \$3.00 | \$3.09 | \$0.00 |
| | 15,000 | | \$4.47 | \$4.70 | \$4.93 | \$5.18 | \$5.44 | \$5.71 | \$5.99 | \$6.29 | \$3.97 | \$4.08 | \$0.00 |
| Additional Water Cost/Year | 3,000 | | \$14.59 | \$15.32 | \$16.08 | \$16.89 | \$17.73 | \$18.62 | \$19.55 | \$20.52 | \$12.93 | \$13.32 | \$0.00 |
| | 5,000 | | \$21.10 | \$22.16 | \$23.26 | \$24.43 | \$25.65 | \$26.93 | \$28.28 | \$29.69 | \$18.71 | \$19.27 | \$0.00 |
| | 8,000 | | \$30.88 | \$32.42 | \$34.04 | \$35.74 | \$37.53 | \$39.41 | \$41.38 | \$43.45 | \$27.37 | \$28.19 | \$0.00 |
| | 11,000 | | \$40.65 | \$42.68 | \$44.82 | \$47.06 | \$49.41 | \$51.88 | \$54.47 | \$57.20 | \$36.04 | \$37.12 | \$0.00 |
| | 15,000 | | \$53.68 | \$56.37 | \$59.18 | \$62.14 | \$65.25 | \$68.51 | \$71.94 | \$75.54 | \$47.59 | \$49.02 | \$0.00 |



Ordinance No. 2017-06

AN ORDINANCE AMENDING CHAPTER 92.02, ENTITLED "RATES FOR SERVICE," OF THE MUNICIPAL CODE OF NORTH LIBERTY BY ADOPTING A NEW SECTION 92.02 TO INCREASE THE CHARGES FOR WATER USED

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

SECTION 1. AMENDMENT Chapter 92.02 "Rates for Service," of the Municipal Code of North Liberty be, and the same is hereby amended, by repealing Section 92.02 therein, and enacting in lieu thereof new sections to be codified the same to read as follows:

92.02 RATES FOR SERVICE.

| Gallons Used Per Month | Rate |
|------------------------|----------|
| First 1,000 gallons | \$ 15.57 |
| All over 1,000 gallons | \$ 6.29 |

Service to industrial establishments may be by contract, if the City finds such an arrangement to be in the best interest of the City.

SECTION 2. REPEALER. All Ordinances and parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SEVERABILITY. If any section, provision or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading _____
Second reading _____
Third and final reading _____

CITY OF NORTH LIBERTY:

ATTEST:

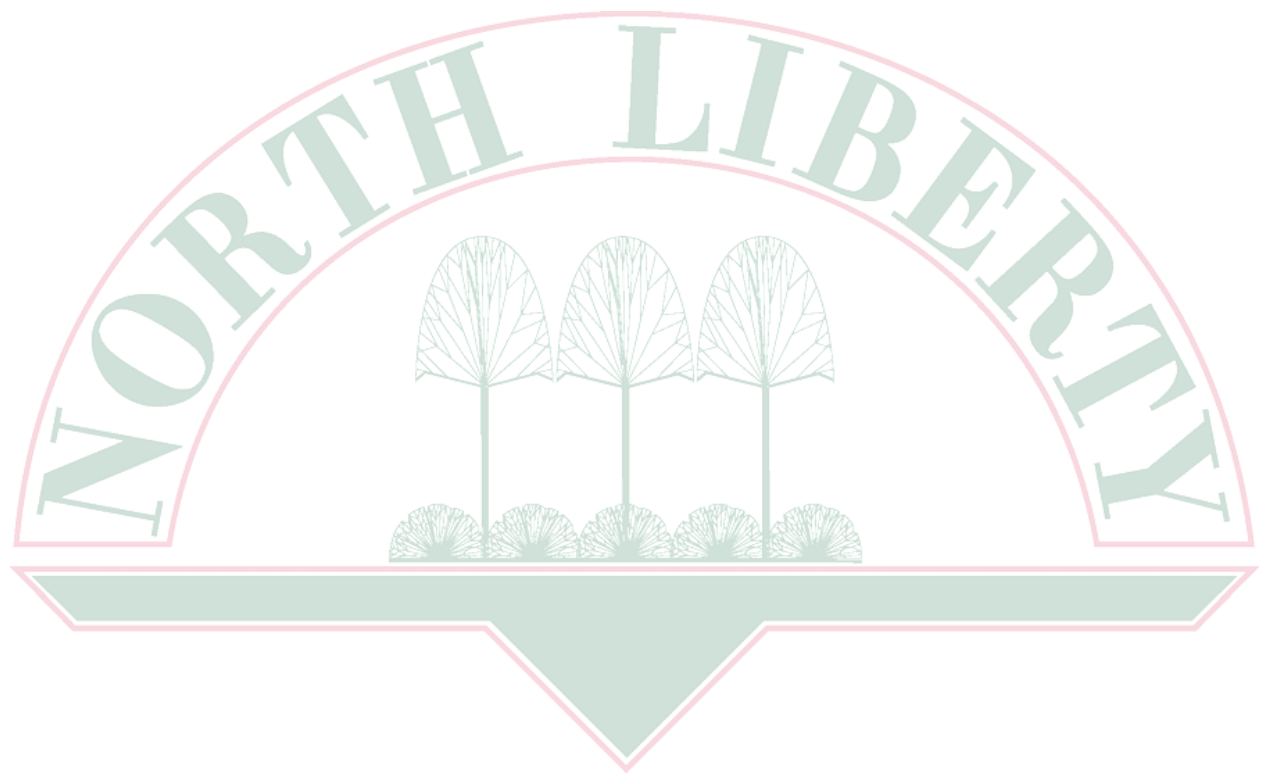
TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-06 in the *North Liberty Leader* on the __ day of _____, 2017.

TRACEY MULCAHEY, CITY CLERK

Sewer Rate Ordinance



Wastewater Utility Budget & Forecast

| | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | FY 28 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Audited | Actual | Budget | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated | Estimated |
| Budget Inflation Rate | | 6.16% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% | 2.00% |
| Number of Accounts | 7,801 | 8,005 | 8,165 | 8,328 | 8,495 | 8,665 | 8,838 | 9,015 | 9,195 | 9,379 | 9,567 | 9,758 | 9,953 | 10,152 |
| Gallons Sold | 337,454,000 | 358,256,000 | 357,000,000 | 364,140,000 | 371,422,800 | 378,851,256 | 386,428,281 | 394,156,847 | 402,039,984 | 410,080,783 | 418,282,399 | 426,648,047 | 435,181,008 | 443,884,628 |
| Proposed Rate Increase | 8% | 7% | 5% | 5% | 4% | 4% | 4% | 4% | 3% | 3% | 0% | 0% | 0% | 0% |
| Base Rate | \$25.46 | \$27.24 | \$28.60 | \$30.03 | \$31.24 | \$32.49 | \$33.78 | \$35.14 | \$36.19 | \$37.28 | \$37.28 | \$37.28 | \$37.28 | \$37.28 |
| Rate/1000 Gallons | \$4.58 | \$4.90 | \$5.15 | \$5.40 | \$5.62 | \$5.84 | \$6.08 | \$6.32 | \$6.51 | \$6.71 | \$6.71 | \$6.71 | \$6.71 | \$6.71 |
| Revenues | | | | | | | | | | | | | | |
| Wastewater Sales | \$3,464,426 | \$3,832,212 | \$4,079,446 | \$4,384,095 | \$4,650,648 | \$4,933,407 | \$5,233,358 | \$5,551,547 | \$5,832,455 | \$6,127,577 | \$6,250,129 | \$6,375,131 | \$6,502,634 | \$6,632,686 |
| Sales Tax | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Connection Fees/Permits | \$40,612 | \$22,750 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 | \$25,000 |
| Use of Money | \$804 | \$303 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 | \$300 |
| Miscellaneous | \$9,259 | \$5,684 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 | \$6,000 |
| Transfers | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Accounts Receivable/Payable | (\$22,628) | (\$10,483) | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Wastewater Utility Revenues | \$3,492,473 | \$3,850,466 | \$4,110,746 | \$4,415,395 | \$4,681,948 | \$4,964,707 | \$5,264,658 | \$5,582,847 | \$5,863,755 | \$6,158,877 | \$6,281,429 | \$6,406,431 | \$6,533,934 | \$6,663,986 |
| Expenditures | | | | | | | | | | | | | | |
| Budget Inflation Rate | | 13.93% | 14.36% | 23.54% | 15.00% | 15.00% | 10.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% | 5.00% |
| Personnel Services | \$515,691 | \$512,107 | \$585,711 | \$679,149 | \$781,021 | \$898,175 | \$987,992 | \$1,037,392 | \$1,089,261 | \$1,143,724 | \$1,200,910 | \$1,260,956 | \$1,324,004 | \$1,390,204 |
| Services & Commodities | \$623,059 | \$694,700 | \$869,275 | \$994,775 | \$1,143,991 | \$1,315,590 | \$1,447,149 | \$1,519,506 | \$1,595,482 | \$1,675,256 | \$1,759,019 | \$1,846,969 | \$1,939,318 | \$2,036,284 |
| Capital | \$8,316 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Transfers | | | | | | | | | | | | | | |
| Equipment Revolving | \$0 | \$200,000 | \$85,000 | \$40,000 | \$0 | \$40,000 | \$60,000 | \$0 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |
| Capital Reserve | \$321,212 | \$380,646 | \$205,500 | \$205,500 | \$380,500 | \$205,500 | \$265,000 | \$280,000 | \$245,000 | \$245,000 | \$245,000 | \$245,000 | \$245,000 | \$245,000 |
| Revenue Debt | \$1,033,456 | \$1,020,857 | \$1,023,824 | \$1,027,179 | \$1,031,776 | \$1,037,160 | \$1,035,070 | \$1,037,088 | \$1,038,795 | \$895,198 | \$892,498 | \$977,705 | \$905,308 | \$207,533 |
| GO Debt | \$0 | \$38,316 | \$334,200 | \$334,100 | \$328,100 | \$327,500 | \$326,800 | \$326,000 | \$330,100 | \$329,000 | \$327,800 | \$331,500 | \$0 | \$0 |
| Billing & Accounting | \$284,513 | \$327,698 | \$321,329 | \$356,855 | \$371,129 | \$385,974 | \$401,413 | \$417,470 | \$434,169 | \$451,535 | \$469,597 | \$488,381 | \$507,916 | \$528,233 |
| Upcoming Projects | | | | | | | | | | | | | | |
| (1) 1/2 East Trunk Sewer; Cherry Street Sewer Line; West Lake O2 Generator | \$0 | \$0 | \$0 | \$50,000 | \$288,020 | \$291,861 | \$288,119 | \$290,934 | \$293,160 | \$294,694 | \$288,598 | \$289,072 | \$288,997 | \$288,997 |
| (2) WWTP Expansion | \$0 | \$0 | \$205,320 | \$797,134 | \$797,014 | \$793,054 | \$796,050 | \$793,902 | \$791,681 | \$934,387 | \$937,919 | \$923,261 | \$924,677 | \$1,621,933 |
| (3) Mid/Long Term Projects | \$0 | \$0 | \$0 | \$0 | \$206,550 | \$206,675 | \$206,638 | \$206,438 | \$206,438 | \$206,438 | \$206,438 | \$206,438 | \$206,438 | \$206,438 |
| Total Wastewater Utility Expenditures | \$2,786,247 | \$3,174,324 | \$3,630,159 | \$4,484,692 | \$5,328,101 | \$5,501,489 | \$5,814,231 | \$5,908,729 | \$6,074,086 | \$6,225,232 | \$6,377,778 | \$6,619,282 | \$6,391,657 | \$6,574,621 |
| Net Change in Fund Balance | \$706,226 | \$676,142 | \$480,587 | (\$69,297) | (\$646,153) | (\$536,782) | (\$549,573) | (\$325,883) | (\$210,331) | (\$66,355) | (\$96,350) | (\$212,851) | \$142,277 | \$89,366 |
| Beginning Fund Balance | \$1,705,771 | \$2,411,997 | \$3,088,139 | \$3,568,726 | \$3,499,429 | \$2,853,275 | \$2,316,494 | \$1,766,921 | \$1,441,038 | \$1,230,707 | \$1,164,352 | \$1,068,002 | \$855,151 | \$997,428 |
| Ending Fund Balance | \$2,411,997 | \$3,088,139 | \$3,568,726 | \$3,499,429 | \$2,853,275 | \$2,316,494 | \$1,766,921 | \$1,441,038 | \$1,230,707 | \$1,164,352 | \$1,068,002 | \$855,151 | \$997,428 | \$1,086,793 |
| % Reserved | 86.57% | 97.28% | 98.31% | 78.03% | 53.55% | 42.11% | 30.39% | 24.39% | 20.26% | 18.70% | 16.75% | 12.92% | 15.61% | 16.53% |
| Total Personnel Costs | \$515,691 | \$512,107 | \$585,711 | \$679,149 | \$781,021 | \$898,175 | \$987,992 | \$1,037,392 | \$1,089,261 | \$1,143,724 | \$1,200,910 | \$1,260,956 | \$1,324,004 | \$1,390,204 |
| % of Wastewater Utility Expenditures | 18.51% | 16.13% | 16.13% | 15.14% | 14.66% | 16.33% | 16.99% | 17.56% | 17.93% | 18.37% | 18.83% | 19.05% | 20.71% | 21.15% |
| Debt Service Coverage | | | | | | | | | | | | | | |
| Net Revenue/All Debt | 2.27 | 2.59 | 2.16 | 1.50 | 1.51 | 1.50 | 1.55 | 1.65 | 1.74 | 1.83 | 1.81 | 1.74 | 1.79 | 1.77 |
| Required Coverage | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Desired Coverage | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 | 1.30 |
| Difference (Actual vs. Required) | 1.02 | 1.34 | 0.91 | 0.25 | 0.26 | 0.25 | 0.30 | 0.40 | 0.49 | 0.58 | 0.56 | 0.49 | 0.54 | 0.52 |

-Summary of Upcoming Projects-

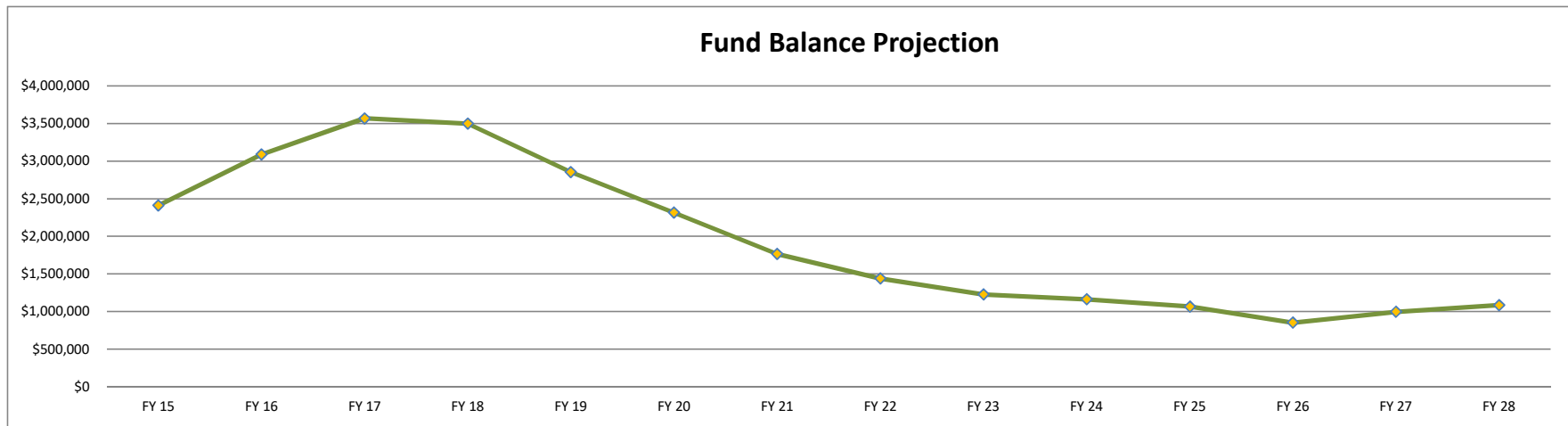
(1) East Trunk Sewer (phase 2 borrowing); Cherry Street Sewer Line Upgrade; West Lake Oxygen Generator: Installation of an east trunk sewer to serve basins 1 and 2 as detailed in the study; upgrade sewer line parallel to Cherry Street to alleviate capacity issues; install O2 generator at West Lake lift station to preserve concrete sewer pipe and manholes; total cost estimated at **\$2.4 million**.

(2) WWTP Expansion: Phase 2 of the MBR wastewater treatment plant; total estimated cost **\$17.5 million**.

(3) Mid/Long Term Projects: Sewer line replacement/addition, referred to in Fox study as segments 11 to 13, 13 to 21, 23 to 25, 8 to 8-2 and 8-2 to 8-9; total estimated cost **\$1.71 million**.

Wastewater Utility Budget & Forecast

| Wastewater Rate Increase Analysis | | | | | | | | | | | | | | |
|-----------------------------------|---|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Consumption in Gallons | Monthly Wastewater Costs Based on Usage | | | | | | | | | | | | | |
| | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 20 | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | FY 27 | |
| | 3,000 | \$34.62 | \$37.04 | \$38.90 | \$40.84 | \$42.47 | \$44.17 | \$45.94 | \$47.78 | \$49.21 | \$50.69 | \$50.69 | \$50.69 | \$50.69 |
| | 5,000 | \$43.78 | \$46.84 | \$49.19 | \$51.65 | \$53.71 | \$55.86 | \$58.09 | \$60.42 | \$62.23 | \$64.10 | \$64.10 | \$64.10 | \$64.10 |
| | 8,000 | \$57.52 | \$61.55 | \$64.62 | \$67.85 | \$70.57 | \$73.39 | \$76.33 | \$79.38 | \$81.76 | \$84.21 | \$84.21 | \$84.21 | \$84.21 |
| | 11,000 | \$71.26 | \$76.25 | \$80.06 | \$84.06 | \$87.43 | \$90.92 | \$94.56 | \$98.34 | \$101.29 | \$104.33 | \$104.33 | \$104.33 | \$104.33 |
| | 15,000 | \$89.58 | \$95.85 | \$100.64 | \$105.68 | \$109.90 | \$114.30 | \$118.87 | \$123.63 | \$127.33 | \$131.15 | \$131.15 | \$131.15 | \$131.15 |
| | 3,000 | | \$2.42 | \$1.85 | \$1.94 | \$1.63 | \$1.70 | \$1.77 | \$1.84 | \$1.43 | \$1.48 | \$0.00 | \$0.00 | \$0.00 |
| | 5,000 | | \$3.06 | \$2.34 | \$2.46 | \$2.07 | \$2.15 | \$2.23 | \$2.32 | \$1.81 | \$1.87 | \$0.00 | \$0.00 | \$0.00 |
| | 8,000 | | \$4.03 | \$3.08 | \$3.23 | \$2.71 | \$2.82 | \$2.94 | \$3.05 | \$2.38 | \$2.45 | \$0.00 | \$0.00 | \$0.00 |
| 11,000 | | \$4.99 | \$3.81 | \$4.00 | \$3.36 | \$3.50 | \$3.64 | \$3.78 | \$2.95 | \$3.04 | \$0.00 | \$0.00 | \$0.00 | |
| 15,000 | | \$6.27 | \$4.79 | \$5.03 | \$4.23 | \$4.40 | \$4.57 | \$4.75 | \$3.71 | \$3.82 | \$0.00 | \$0.00 | \$0.00 | |
| 3,000 | | \$29.08 | \$22.23 | \$23.34 | \$19.60 | \$20.39 | \$21.20 | \$22.05 | \$17.20 | \$17.72 | \$0.00 | \$0.00 | \$0.00 | |
| 5,000 | | \$36.78 | \$28.11 | \$29.51 | \$24.79 | \$25.78 | \$26.81 | \$27.89 | \$21.75 | \$22.40 | \$0.00 | \$0.00 | \$0.00 | |
| 8,000 | | \$48.32 | \$36.93 | \$38.77 | \$32.57 | \$33.87 | \$35.23 | \$36.64 | \$28.58 | \$29.43 | \$0.00 | \$0.00 | \$0.00 | |
| 11,000 | | \$59.86 | \$45.75 | \$48.04 | \$40.35 | \$41.96 | \$43.64 | \$45.39 | \$35.40 | \$36.47 | \$0.00 | \$0.00 | \$0.00 | |
| 15,000 | | \$75.25 | \$57.51 | \$60.39 | \$50.72 | \$52.75 | \$54.86 | \$57.06 | \$44.51 | \$45.84 | \$0.00 | \$0.00 | \$0.00 | |



Ordinance No. 2017-07

**AN ORDINANCE AMENDING CHAPTER 99.02 ENTITLED "RATE,"
OF THE MUNICIPAL CODE OF NORTH LIBERTY BY ADOPTING A
NEW SECTION 99.02 TO INCREASE THE CHARGES FOR SANITARY
SEWER SERVICES**

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF NORTH LIBERTY, IOWA:

SECTION 1. AMENDMENT Chapter 99.02 "Rate," of the Municipal Code of North Liberty be, and the same is hereby amended, by repealing Section 99.02 therein, and enacting in lieu thereof new sections to be codified the same to read as follows:

99.02 RATE.

| Gallons Used Per Month | Rate |
|------------------------|----------|
| First 1,000 gallons | \$ 30.03 |
| All over 1,000 gallons | \$ 5.40 |

Service to industrial establishments may be by contract, if the City finds such an arrangement to be in the best interest of the City.

SECTION 2. REPEALER. All Ordinances and parts of ordinances in conflict with the provisions of this Ordinance are hereby repealed.

SECTION 3. SEVERABILITY. If any section, provision or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall not affect the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

SECTION 4. WHEN EFFECTIVE. This ordinance shall be in effect from and after its final passage, approval and publication as provided by law.

First reading _____
Second reading _____
Third and final reading _____

CITY OF NORTH LIBERTY:

ATTEST:

TERRY L. DONAHUE, MAYOR

TRACEY MULCAHEY, CITY CLERK

I certify that the forgoing was published as Ordinance No. 2017-07 in the *North Liberty Leader* on the ___ day of _____, 2017.

TRACEY MULCAHEY, CITY CLERK

Civic Campus Work Session





North Liberty Civic Campus Project

A look at the past, present and
future of the project

Past

- The Cherry Street site was selected in 2009 after evaluating eight sites ranging in cost from \$800,000 to \$3.7 million because:
 - Size allows for expansion well into the future
 - Offered excellent proximity to other civic facilities
 - Opportunity for reinvestment in older core of our community
 - Investment expected to lead development in our core (Cherry Street Vision, improvements to Dubuque/Front/Cherry Street intersection)
 - Enhance community identity in older part of town
 - Civic presence on major arterial streets (Dubuque and Cherry Streets)
 - Cost of the site was reasonable at \$1.38 million



Past

- Time and money invested to-date
 - Land acquisition: \$1,380,000
 - Property Demolition: \$82,000
 - Conceptual Planning: \$52,000
 - Total costs to-date: \$1,514,000
 - Does not include the hundreds of staff hours involved with the above mentioned processes
- Delaying the project to look for another site will:
 - Result in more time and money being invested
 - A new site selection process could take 12–24 months
 - Land is more expensive than it was in 2010
 - A new location may require different funding sources
 - Result in throw-away costs for the planning and conceptual work that has already been completed
 - Undoubtedly delay the project and the Police Department is in need of new facilities now

Present

- Staff is proposing to move forward with design and construction of a new Police Station
 - The need for a new police station is proven
 - Existing 2,500 sq. ft. building houses 22 employees
 - Office space, interview rooms, storage areas are all substandard – **more space is needed**
 - Parking is limited
 - New construction costs
 - 9,850 sq. ft. facility: \$4 million
 - 14,870 sq. ft. facility: \$5 million



Present

- It's time to move forward
 - Site location is ideal
 - Need for space is clear
 - Land is available and project can move ahead immediately
 - Based on comments from the Projects Open House, social and traditional media coverage and facility tours, public is supportive of project

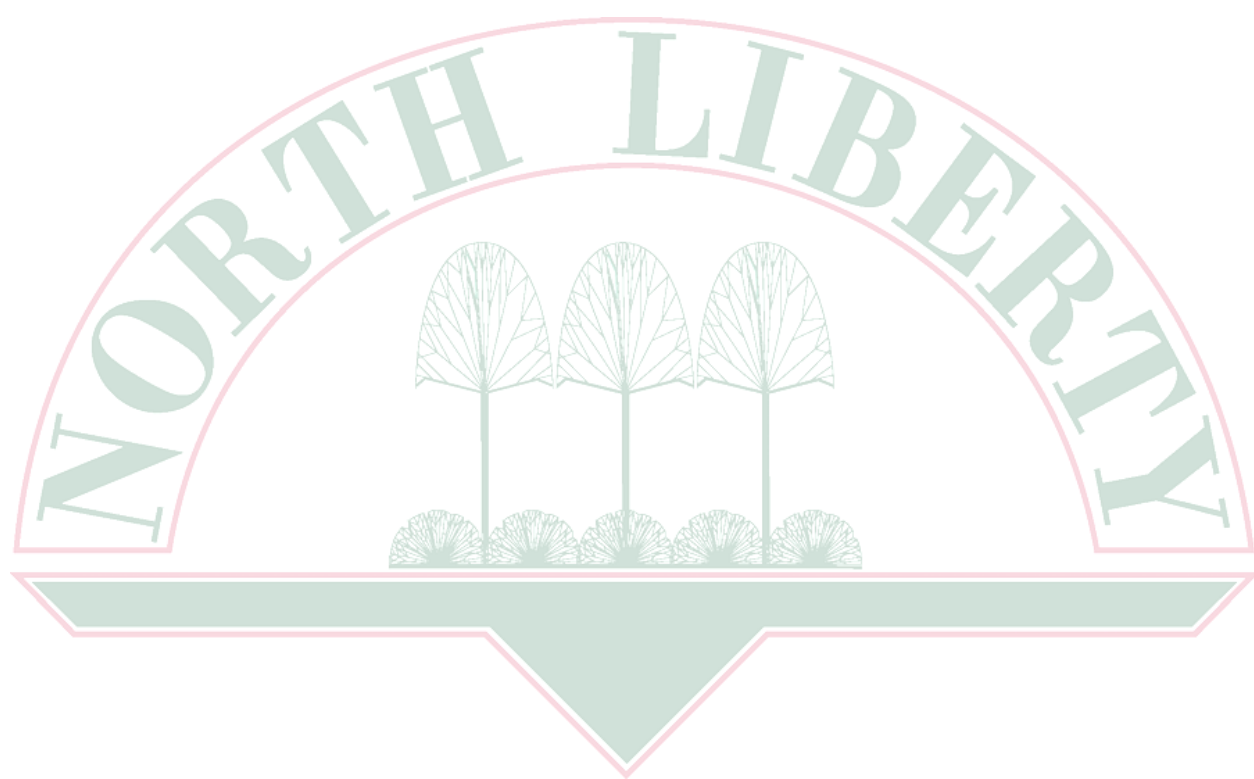


Future

- Future phases of the civic campus project include:
 - Existing Police Department space repurposed for Fire Department (use TBD)
 - Expansion and remodel of Fire Department
 - Construction of City Hall (attached to Police Department)
 - Timeline to be determined for future phases
- Reinvestment & Revitalization
 - Develop Cherry Street Vision
 - Realign Dubuque/Cherry/Front Street intersection
 - Re-alignment of street grid for safer and more efficient traffic flow
 - Work with property owners and developers to reinvest in the area

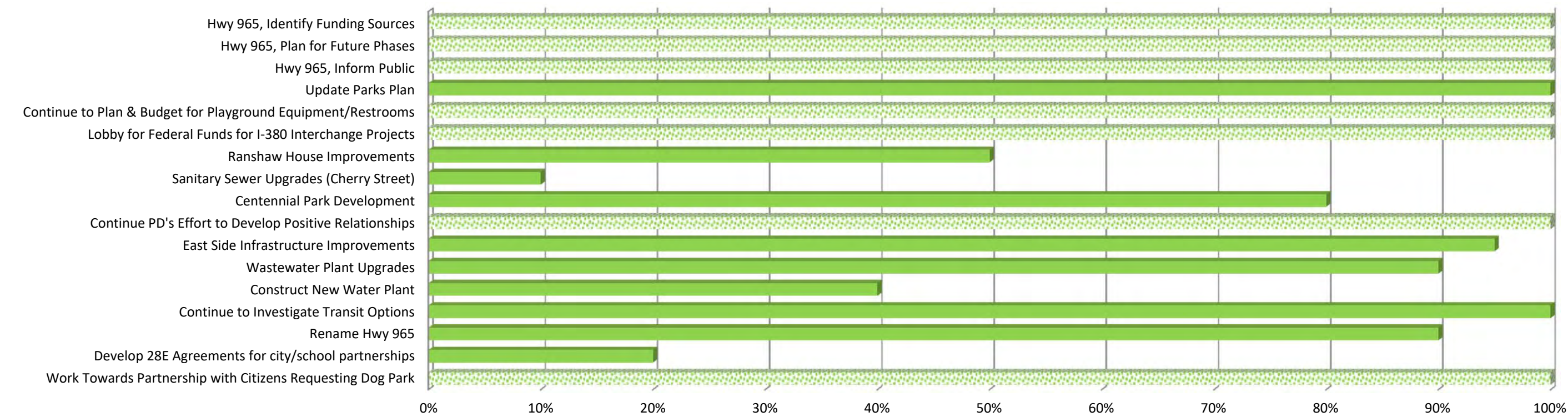


Additional Information



City of North Liberty, 2016 Goal Setting
Progress Report Session

On-Going Commitments



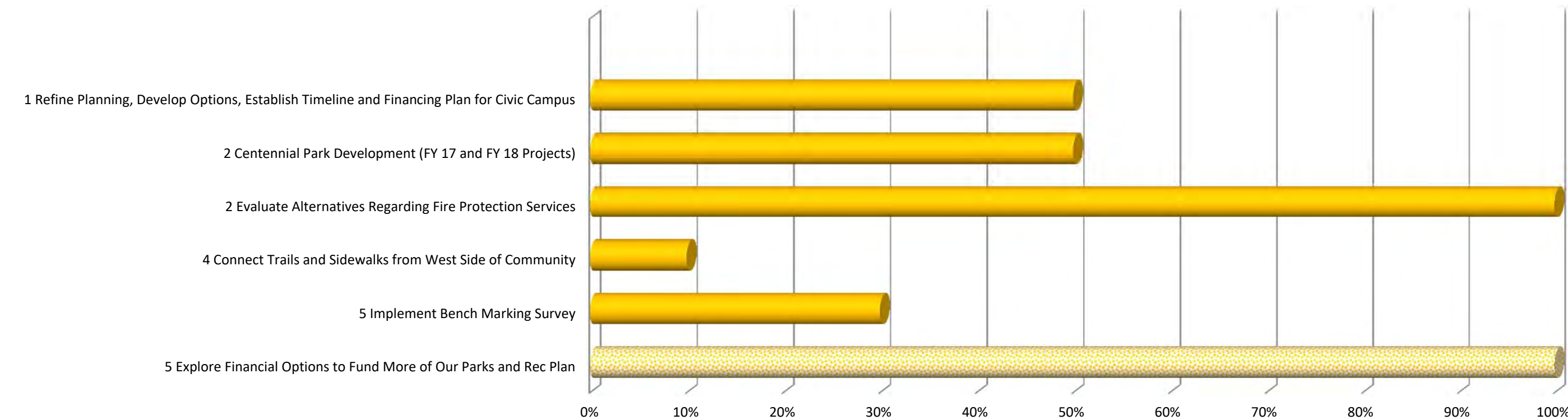
Summary

| | |
|--|--|
| Work Towards Partnership with Citizens Requesting Dog Park | Staff and representative from citizens group have had preliminary discussions; additional meetings will occur in the near future |
| Develop 28E Agreements for City/School Partnerships | Had initial meeting with school; school district to provide first draft |
| Rename Hwy 965 | Council accepted Committee’s recommendation: Ranshaw Way; staff developing name unavailing and signage plan (anticipate June event) |
| Continue to Investigate Transit Options | Contract with SEATS finalized; service being provided; Task Force to meet again soon as ridership is extremely low |
| Construct New Water Plant | Project currently under construction; expected completion date: August 2018 |
| Wastewater Plant Upgrades | Project currently under construction; expected completion date: July 2017 |
| East Side Infrastructure Improvements | Project substantially complete; project closeout planned for late spring |
| Continue PD's Effort to Develop Positive Relationships | Staff continues to promote and engage in community policing; department training; working with community partners |
| Centennial Park Development | Trail, parking lot and drainage improvement project nearing completion |
| Sanitary Sewer Upgrades (Cherry Street) | Project currently under design; easement acquisition process initiated; expected bid date: 2017 |
| Ranshaw House Improvements | Project currently under design, expected bid date: July 2017 |
| Lobby for Federal Funds for I-380 Interchange Projects | Staff and elected officials continue to meet and talk with IDOT and legislators about funding needs; Mayor and City Administrator attend ICACC Washington DC trip annually |
| Continue to Plan & Budget for Playground Equipment/Restrooms | CIP includes numerous park improvement projects; Parks plan identifies priority projects |
| Update Parks Plan | Plan completed; Council approved in February 2016 |
| Hwy 965, Inform Public | Staff continues to use a variety of methods to update the public on Hwy 965 efforts as well as other local projects |
| Hwy 965, Plan for Future Phases | 2018 CIP includes funding (federal and local) for phase 3 of Hwy 965; phase 3 design underway |
| Hwy 965, Identify Funding Sources | Staff continues to monitor potential grant opportunities for road improvements; recently awarded \$2.576 in STP funds for Phase 5 |

City of North Liberty, 2016 Goal Setting Session


Progress Report


New Priority Projects, Programs Policies and Initiatives



Summary

| | |
|--|---|
| Explore Financial Options to Fund More of Our Parks and Rec Plan | On-going commitment; recently received SRF funds for Centennial Park, evaluate REAP funding annually; will explore fundraising project for Centennial Park amphitheater and shelter |
| Implement Bench Marking Survey | Communications Department and Commission have developed survey; survey to be released in May |
| Connect Trails and Sidewalks from West Side of Community | FY 18 budget includes funding for Penn Street, Alexander Way and Scales Bend/Pheasant Lane trails (\$372k) |
| Evaluate Alternatives Regarding Fire Protection Services | Consultant report completed and reviewed by Council; full time Chief budgeted for in FY 18; Chief to evaluate and implement other recommendations within report |
| Centennial Park Development (FY 17 and FY 18 Projects) | SRF project nearly complete; \$350k included in FY 18 budget for playground and other play features |
| Refine Planning, Develop Options, Establish Timeline and Financing Plan for Civic Campus | A timeline has been developed and is currently being implemented for the construction of a police station; future phases to be determined at a later time |

 *Represents broad initiatives that are on-going or continual monitored*



To: Mayor and City Council
From: Tom Palmer, Building Official
CC: City Administrator
Date: 5/4/2017
Re: Monthly Report

April Permit Report:

110 permits were issued in April with estimated construction value of \$2,863,839.66. Thirteen permits were issued for single family dwelling units with a value of over 2.4 million dollars. Staff completed 436 inspections.

Certificate of Occupancy:

Five occupancy certificates were issued for new single-family dwelling units, three for residential remodel projects and one for commercial remodel projects. Two zoning certificates were issued to Forrester Weaver LLC and Holiday Wrecker.

Rental/Code Enforcement:

Twelve new rental permit applications were received in April. Thirty-six rental inspections were completed along with Fifty-one code enforcement complaints were handled in April.

Backflow Prevention Program:

Tom Staroske with Aqua Backflow provided the city staff with information pertaining to backflow tracking system. Aqua Backflow can provide the city with effective and efficient online tracking program. Attached is a copy of a letter from Mr. Staroske, explaining the services Aqua Backflow can provide to the City of North Liberty.



Department of Building Safety
319-626-5713
www.northlibertyiowa.org

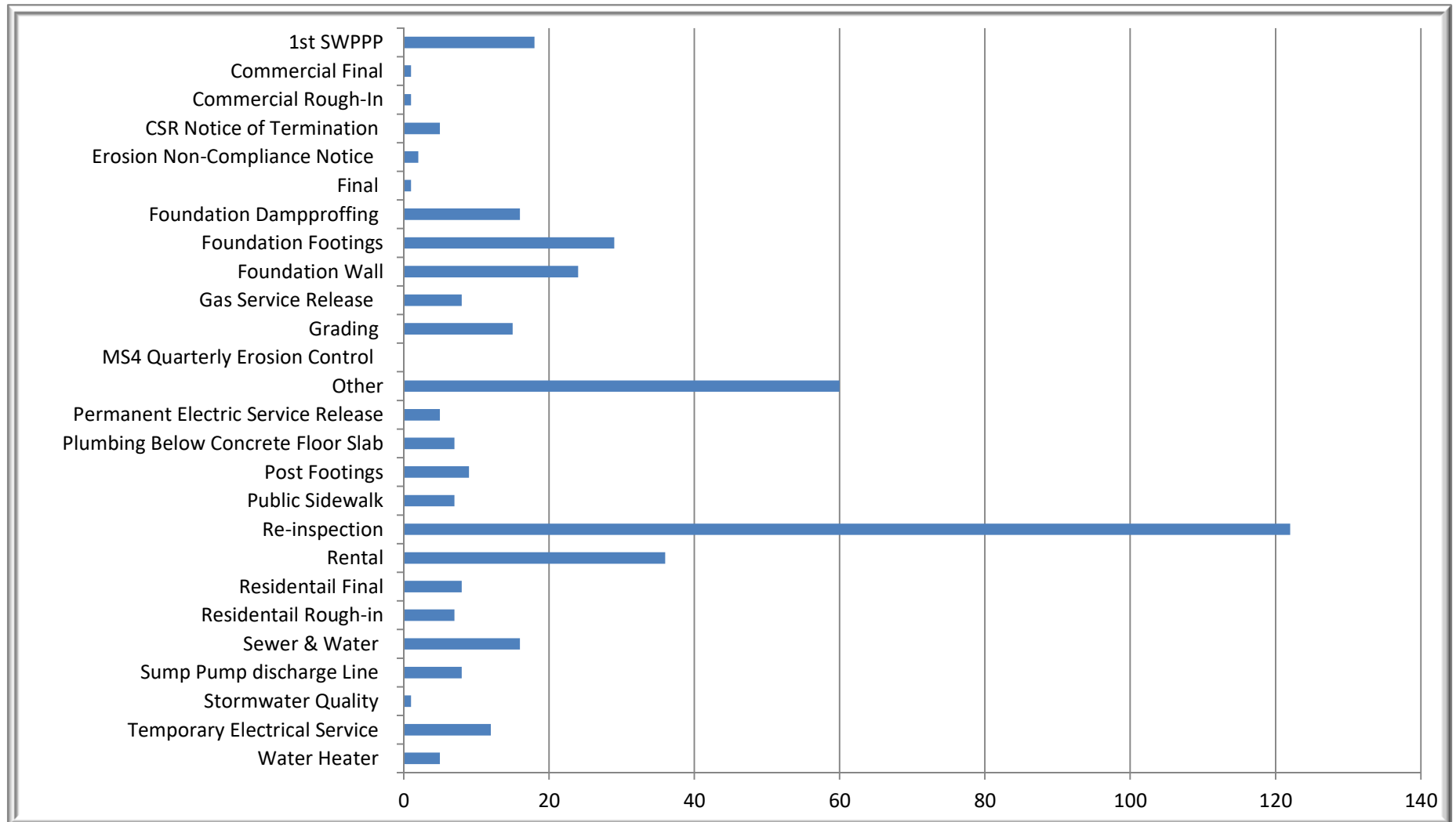
April 2017 Monthly Permit Reports

| Code | Permit Purpose | Permits | Construction Value | Permit Fees | Bldgs. | Units | Notes |
|------|-------------------------------------|------------|-----------------------|--------------------|-----------|-----------|-------|
| 1 | New Single Family Dwelling | 9 | \$1,882,277.00 | \$18,944.50 | 9 | 9 | |
| 2 | New Single Family Dwelling Attached | 4 | \$600,000.00 | \$6,795.00 | 2 | 4 | |
| 3 | New Townhouse | 0 | \$0.00 | \$0.00 | 0 | 0 | |
| 4 | New Multi-Family Housing | 0 | \$0.00 | \$0.00 | 0 | 0 | |
| 5 | New Commercial | 0 | \$0.00 | \$0.00 | 0 | 0 | |
| 6 | New Industrial | 0 | \$0.00 | \$0.00 | 0 | 0 | |
| 7 | School | 0 | \$0.00 | \$0.00 | | | |
| 8 | Residential Alteration | 20 | \$125,455.95 | \$2,395.45 | | | |
| 9 | Residential Addition | 3 | \$105,000.00 | \$1,476.75 | | | |
| 10 | Commercial Alteration | 5 | \$144,449.50 | \$2,153.54 | | | |
| 11 | Commercial Addition | 0 | \$0.00 | \$0.00 | | | |
| 12 | Industrial Alteration | 0 | \$0.00 | \$0.00 | | | |
| 13 | Industrial Addition | 0 | \$0.00 | \$0.00 | | | |
| 14 | Other | 69 | \$6,657.21 | \$4,909.65 | | | |
| 15 | Public | 0 | \$0.00 | \$0.00 | | | |
| | Totals | 110 | \$2,863,839.66 | \$36,674.89 | 11 | 13 | |

SFD Attached are zero lot line units

Townhouse are 3 or more units with shared side walls and have a rear yard area

Inspections for the Month of April



Total Inspections 436

Code Enforcement Report

04/01/2017 - 04/30/2017

| Case Date | Case # | Complaint |
|-----------|--------|--|
| 4/4/2017 | 2021 | Rental permit needed before unit is rented |
| 4/4/2017 | 2022 | clothes in dryer melted |
| 4/4/2017 | 2023 | having too many garage sales in a calendar year |
| 4/4/2017 | 2024 | trailer parked on grass |
| 4/4/2017 | 2025 | trailer parked on grass |
| 4/4/2017 | 2026 | parking on landscaped area of lot |
| 4/4/2017 | 2027 | stair tower fire doors are being blocked open and do not close completely on their own |
| 4/5/2017 | 2028 | trailer parked on grass |
| 4/6/2017 | 2029 | accumulation of solid waste on property |
| 4/6/2017 | 2030 | units are being occupied without the required potable water system |
| 4/6/2017 | 2031 | installing electrical equipment without valid permit |
| 4/7/2017 | 2032 | abandoned vehicle on property |
| 4/7/2017 | 2033 | vehicle parked on grass |
| 4/7/2017 | 2034 | units are being occupied without the required potable water system |
| 4/7/2017 | 2035 | units are being occupied without the required potable water system |
| 4/7/2017 | 2036 | units are being occupied without the required potable water system |
| 4/7/2017 | 2037 | vehicle parked on landscaped area of the lot |
| 4/7/2017 | 2038 | Occupying space without the C.O. |
| 4/7/2017 | 2039 | The tenant occupied Unit 4 without obtaining the required zoning certificate |
| 4/7/2017 | 2040 | unattended trailer and boat in street |
| 4/10/2017 | 2041 | illegal sign on property |
| 4/10/2017 | 2042 | Failure to maintain a valid rental permit |
| 4/10/2017 | 2044 | Working without a permit |
| 4/11/2017 | 2045 | vehicle parked on grass |
| 4/12/2017 | 2046 | renting without permit |
| 4/13/2017 | 2047 | addition of dirt to property possibly altering natural grade |
| 4/13/2017 | 2048 | dogs running at large, pooping on his tenants yard and getting into their house |
| 4/13/2017 | 2049 | dogs running at large, pooping on his tenants yard and getting into their house |
| 4/17/2017 | 2050 | no zoning permit |
| 4/17/2017 | 2054 | has installed a fence without the required permit |

| | | |
|-----------|------|--|
| 4/18/2017 | 2051 | units are being occupied without the required potable water system |
| 4/18/2017 | 2052 | drainage issue in the back yard |
| 4/18/2017 | 2053 | There is an odor that comes from the south side of the house. Dahnovan Builders called Artic Insulation out to recheck the insulation. |
| 4/19/2017 | 2055 | outside storage, specifically a scooter being stored by the bike path |
| 4/19/2017 | 2056 | DUPLICATE OF CASE NUMBER 2053-Thinks something might be wrong with house. Smell in SE upper bedroom when it is windy. |
| 4/20/2017 | 2057 | vehicle parked on grass |
| 4/21/2017 | 2058 | Failure to maintain a valid rental permit |
| 4/21/2017 | 2059 | accumulation of garbage/trash on open lot at the corner of Saint Andrew Dr. and South Jones Blvd. |
| 4/24/2017 | 2060 | vehicle parked on grass |
| 4/24/2017 | 2061 | parking truck on rock at the end of the street |
| 4/25/2017 | 2063 | retaining wall is falling apart |
| 4/25/2017 | 2064 | collection of solid waste on property (dishwasher and other garbage in front yard) |
| 4/26/2017 | 2065 | dryer vents are in disrepair and have become a fire hazard |
| 4/28/2017 | 2068 | dryer vent damper needs repaired and needs to be cleaned periodically to help prevent fires |
| 4/28/2017 | 2069 | renting without permit |
| 4/28/2017 | 2070 | Mowing |
| 4/28/2017 | 2071 | Mowing |
| 4/28/2017 | 2072 | Mowing |
| | | |



977 Elizabeth Street, Elgin, IL 60120 (847) 742-2296 (847) 214-9696 fax

Protecting your water supply from contamination

www.AquaBackflow.com

www.TrackMyBackflow.com

Tom Palmer
City of North Liberty
1 Quail Creek Circle
North Liberty, IA 52317

Dear Tom,

March 21, 2017

Thank you for the opportunity to provide you with a guide to our professional services. As you will see by the information in this packet, Aqua Backflow has a unique, global approach to solving a decades old paper-consuming and data entry nightmare...Internet-based tracking programs that can be funded specifically by those customers that have created this additional expense and workload for you.

Each and every tracking program is unique and is set up to the specifications or requests of the water purveyor. All forms, educational material, and letters can be customized to your program. You also always have full unlimited access to your data, histories, site notes, tests, and more via your included online portal.

Just one interesting feature of our program is our available Hazard ID tracking system. A tag can be sent to each hazard location and is hung on the hazard. The online data entry website is listed on the tag as well as the water hazard and a Hazard ID #. The water purveyor or municipality name is on each tag as well. The Hazard ID number never changes...not even if the backflow preventer is replaced! A QR Code is also on the tag for easy scanning and data entry via tablet or smart phone while at the test site. There is no additional cost for tagging.

In review, Aqua Backflow truly is unique and innovative. Not only will your program be effective, eco-friendly, and low cost, it will also be easy to use for your local testers. We regularly receive testimonials from backflow testers stating that they love the simplicity of our program, love dealing with our courteous staff, and have also noted that they have seen an increase in work since we took over the program. Water purveyors love us too, as witnessed by the accolades Aqua Backflow receives from its many customers.

There is absolutely no cost to you for your program – Nothing! Utility-owned assemblies are entered by your tester at no charge. New installations are entered by our staff at no cost. Note too that you can lock in your contract pricing for up to 3 years! (We have never raised our prices!)

Thank you again for your time and consideration. Feel free to contact me if you have any questions.

Sincerely,

Tom Staroske
Chief Operating Officer



North Liberty Fire Department 2017 Monthly/YTD Hour & Response Report

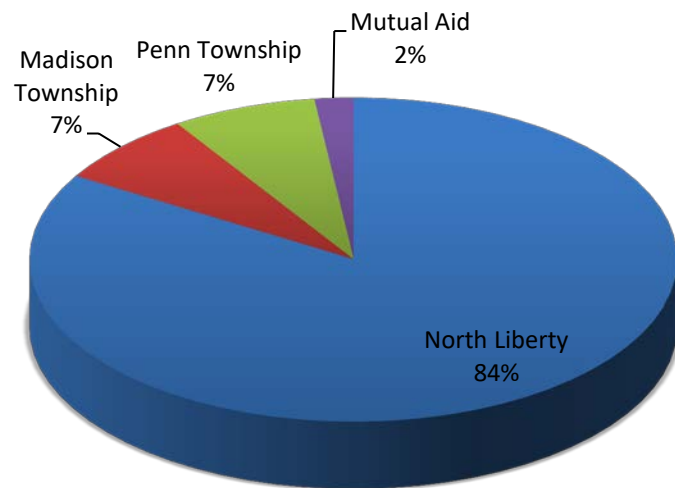
2017 North Liberty Fire Department Responses By Fire District

| | January | February | March | April | May | June | July | August | September | October | November | December | Year To Date | Percent To Date |
|------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|--------------|-----------------|
| North Liberty | 89 | 75 | 78 | 59 | | | | | | | | | 301 | 83.61% |
| Madison Township | 6 | 8 | 5 | 7 | | | | | | | | | 26 | 7.22% |
| Penn Township | 2 | 11 | 6 | 7 | | | | | | | | | 26 | 7.22% |
| Mutual Aid | 1 | 1 | 3 | 2 | | | | | | | | | 7 | 1.94% |
| Total Responses | 98 | 95 | 92 | 75 | | | | | | | | | 360 | |

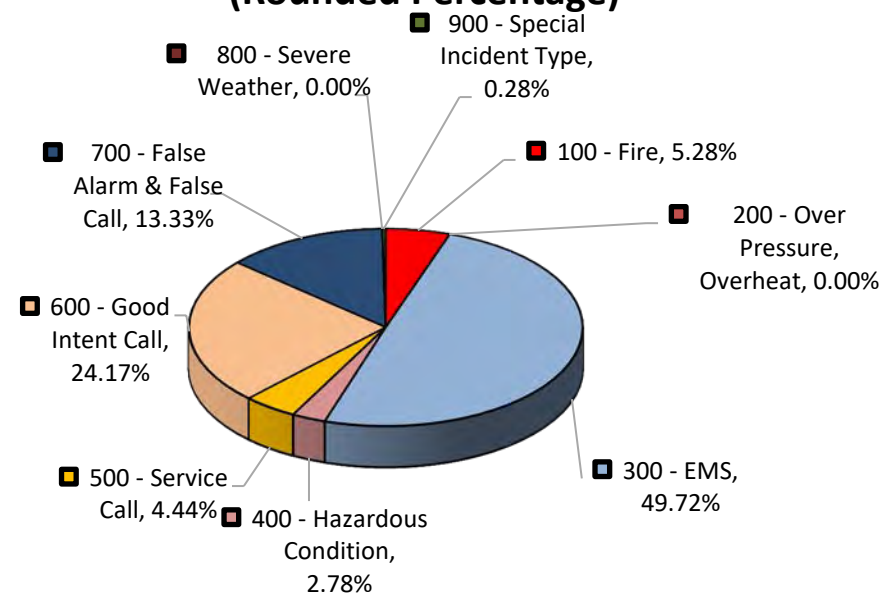
2017 North Liberty Fire Department Responses By Type of Incident

| | January | February | March | April | May | June | July | August | September | October | November | December | Year To Date | Percent To Date |
|--------------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|--------------|-----------------|
| 100 - Fire | 4 | 8 | 6 | 1 | | | | | | | | | 19 | 5.28% |
| 200 - Over Pressure, Overheat | | | | | | | | | | | | | | |
| 300 - EMS | 46 | 45 | 48 | 40 | | | | | | | | | 179 | 49.72% |
| 400 - Hazardous Condition | 2 | 3 | 1 | 4 | | | | | | | | | 10 | 2.78% |
| 500 - Service Call | 6 | 4 | 3 | 3 | | | | | | | | | 16 | 4.44% |
| 600 - Good Intent Call | 22 | 25 | 20 | 20 | | | | | | | | | 87 | 24.17% |
| 700 - False Alarm & False Call | 18 | 9 | 14 | 7 | | | | | | | | | 48 | 13.33% |
| 800 - Severe Weather | | | | | | | | | | | | | | |
| 900 - Special Incident Type | | 1 | | | | | | | | | | | 1 | 0.28% |
| Total Responses | 98 | 95 | 92 | 75 | | | | | | | | | 360 | |

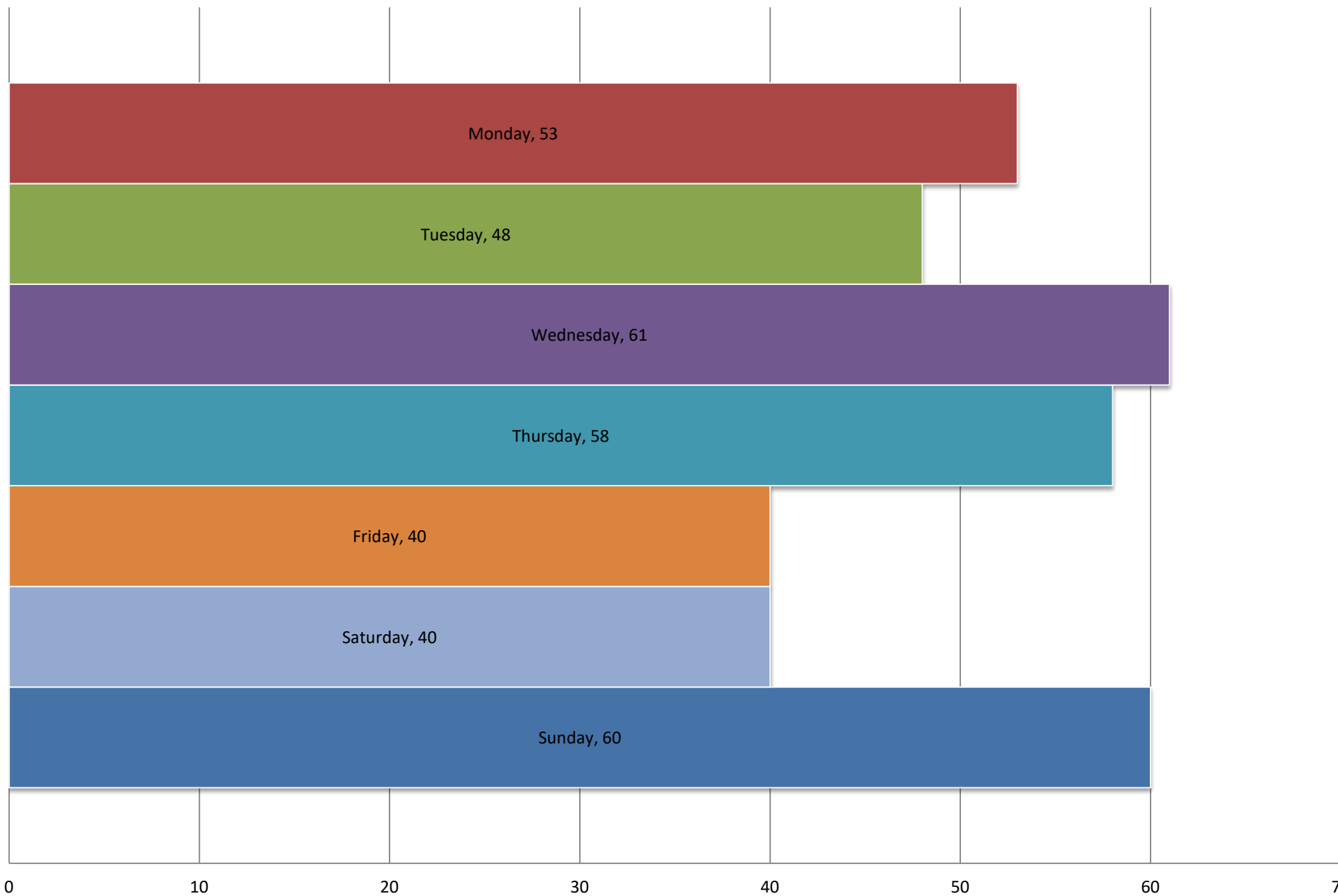
**2017 District Responses YTD
(Rounded Percentage)**



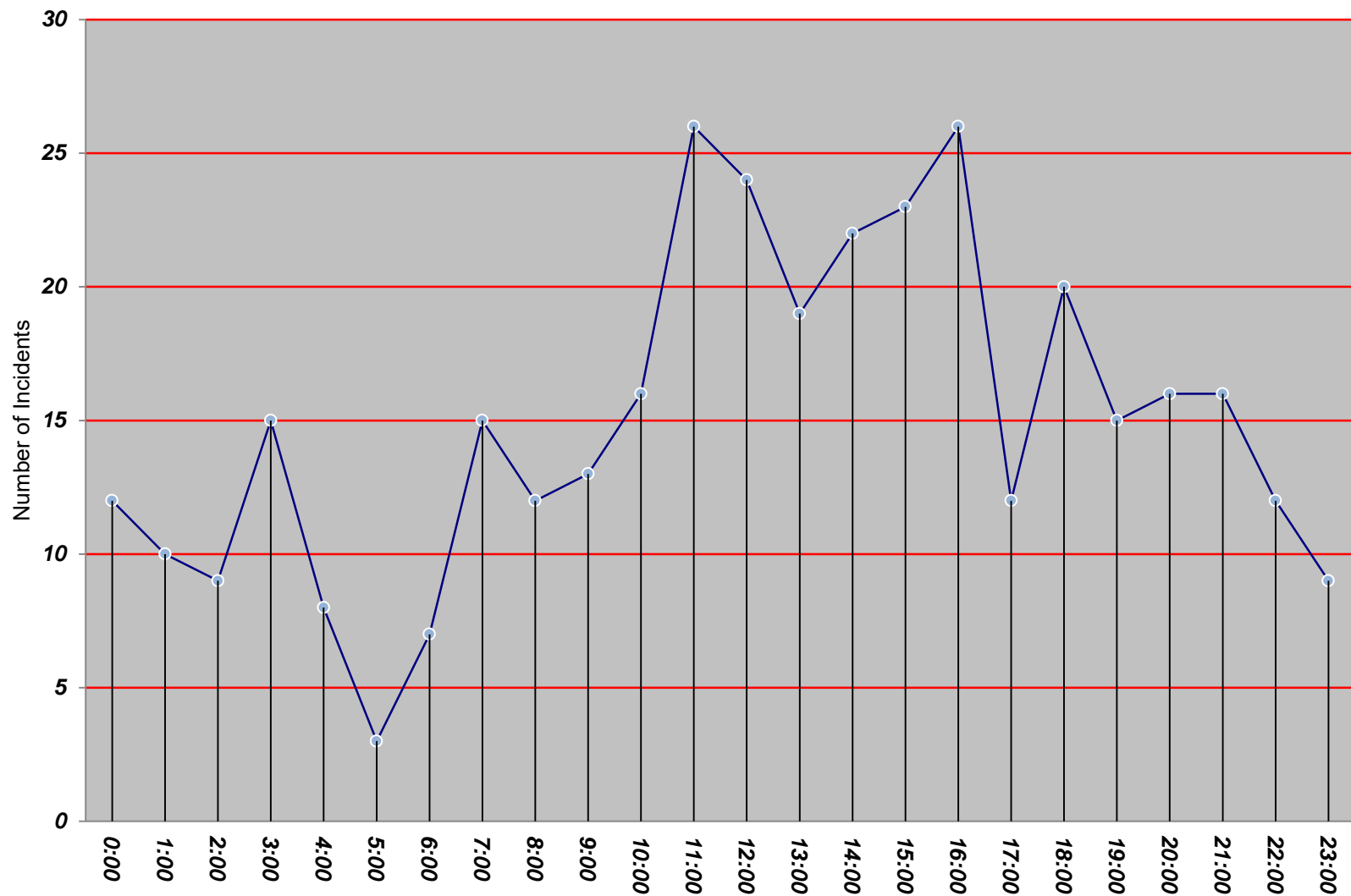
**2017 Type of Incidents YTD
(Rounded Percentage)**



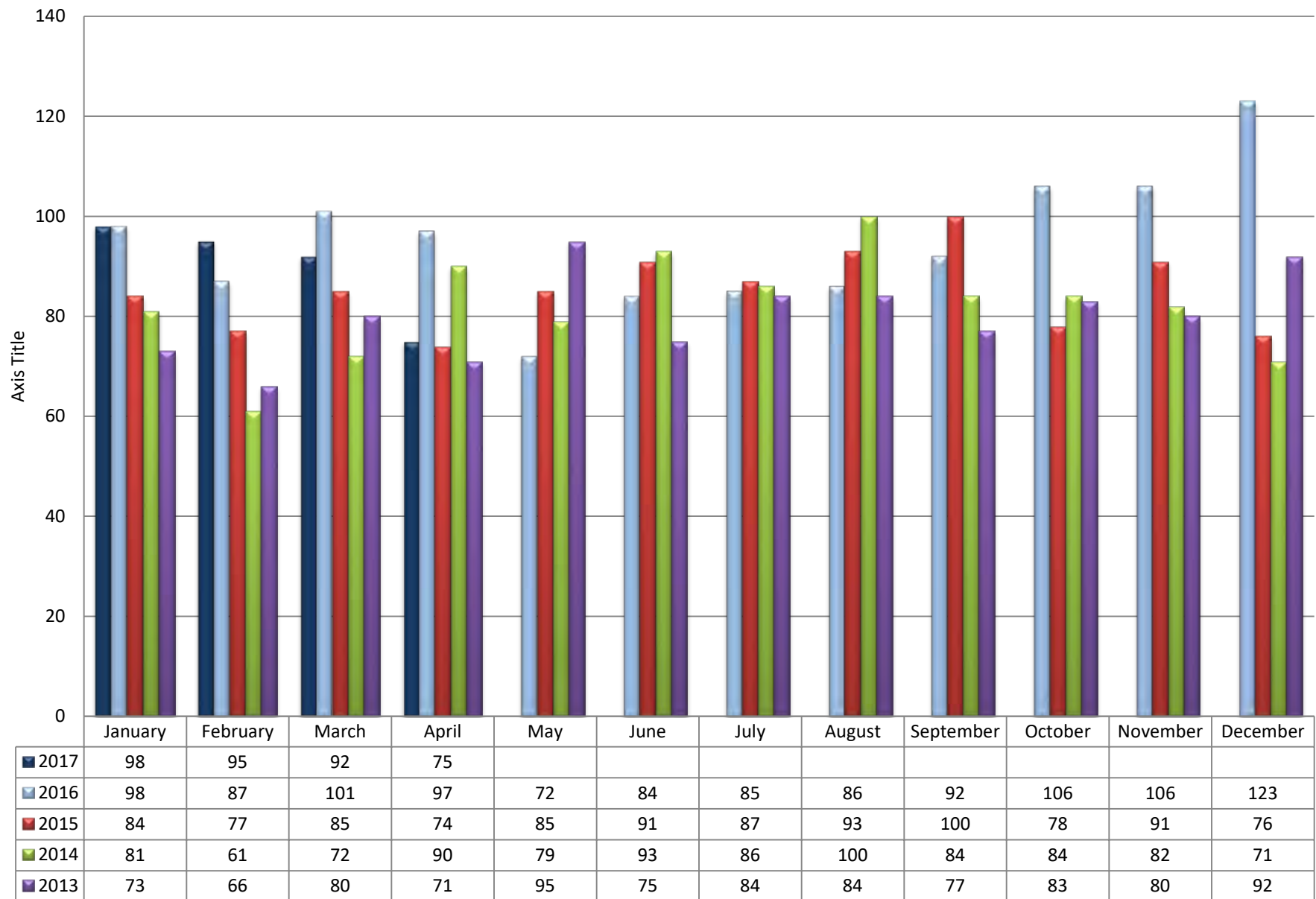
2017 Responses by Day of Week



2017 Number of Responses by Hour of Day



2013 - 2017 Monthly Incident Response Comparison





2017 North Liberty Fire Department Member Responses By Month

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Year To Date | Percent To Date |
|----------------------------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----------------|--------------------|
| Responses for Month | 98 | 95 | 92 | 75 | | | | | | | | | 360 | |
| Barney, Mallory | 17 | 13 | 18 | 19 | | | | | | | | | 67 | 18.61% |
| Brumm, Ryan | 11 | 14 | 10 | 12 | | | | | | | | | 47 | 13.06% |
| Burleson, Lynn | 18 | 8 | 16 | 8 | | | | | | | | | 50 | 13.89% |
| Chiles, Branden | 10 | 18 | 13 | 6 | | | | | | | | | 47 | 13.06% |
| Coyle, Jim* | 0 | 0 | 1 | 0 | | | | | | | | | 1 | 0.28% |
| Dickerson, Matt | 9 | 6 | 5 | 3 | | | | | | | | | 23 | 6.39% |
| Dolezal, Dan | 21 | 10 | 8 | 10 | | | | | | | | | 49 | 13.61% |
| DuBay, Rob | 0 | 0 | 0 | 4 | | | | | | | | | 4 | 1.11% |
| English, Joseph | 45 | 43 | 29 | 24 | | | | | | | | | 141 | 39.17% |
| Hardin, Bryan | 12 | 13 | 14 | 5 | | | | | | | | | 44 | 12.22% |
| Hofsommer, Greg | 19 | 16 | 22 | 19 | | | | | | | | | 76 | 21.11% |
| Jaeger, Jeff | 30 | 23 | 19 | 16 | | | | | | | | | 88 | 24.44% |
| Johnston, Mike | 11 | 6 | 9 | 6 | | | | | | | | | 32 | 8.89% |
| Kaduce, Michael | 19 | 13 | 11 | 12 | | | | | | | | | 55 | 15.28% |
| Keitel, Brad | 15 | 11 | 4 | 3 | | | | | | | | | 33 | 9.17% |
| Kelchen, Jessica | 27 | 31 | 24 | 22 | | | | | | | | | 104 | 28.89% |
| Kochanny, Chris | 22 | 25 | 36 | 30 | | | | | | | | | 113 | 31.39% |
| Kramer, Adam | 12 | 8 | 7 | 4 | | | | | | | | | 31 | 8.61% |
| Lundquist, Jonathan | 19 | 10 | 12 | 8 | | | | | | | | | 49 | 13.61% |
| McDonald, James | 26 | 24 | 18 | 19 | | | | | | | | | 87 | 24.17% |
| Messinger, Matt | 10 | 6 | 16 | 15 | | | | | | | | | 47 | 13.06% |
| Miller, Jordan | 32 | 33 | 31 | 18 | | | | | | | | | 114 | 31.67% |
| Moliterno, Brad | 24 | 21 | 38 | 18 | | | | | | | | | 101 | 28.06% |
| Newkirk, Richard | 27 | 25 | 13 | 7 | | | | | | | | | 72 | 20.00% |
| Place, Alexander | 19 | 14 | 17 | 9 | | | | | | | | | 59 | 16.39% |
| Ransom, Eric | 22 | 16 | 8 | 5 | | | | | | | | | 51 | 14.17% |
| Reasner, Richard | 15 | 20 | 3 | 12 | | | | | | | | | 50 | 13.89% |
| Rennekamp, Bryan | 15 | 23 | 17 | 12 | | | | | | | | | 67 | 18.61% |
| Rigdon, Zach | 6 | 17 | 6 | 8 | | | | | | | | | 37 | 10.28% |
| Ropp, Brian | 41 | 34 | 19 | 30 | | | | | | | | | 124 | 34.44% |
| Schmooke, Bill | 14 | 12 | 12 | 3 | | | | | | | | | 41 | 11.39% |
| Schoening, Austin | 4 | 18 | 17 | 11 | | | | | | | | | 50 | 13.89% |
| Schultz, Christine | 8 | 12 | 11 | 9 | | | | | | | | | 40 | 11.11% |
| Taylor, Ryan | 14 | 10 | 14 | 8 | | | | | | | | | 46 | 12.78% |
| Voparil, Craig | 17 | 16 | 8 | 6 | | | | | | | | | 47 | 13.06% |
| White, Geoffery | 24 | 22 | 25 | 19 | | | | | | | | | 90 | 25.00% |
| Wichmann, Megan | 15 | 33 | 31 | 13 | | | | | | | | | 92 | 25.56% |
| Williams, Justin | 13 | 10 | 3 | 8 | | | | | | | | | 34 | 9.44% |

* Fire Dept. Chaplain

| 2017 - Top 5 Calls Made by Month | | | | | | |
|----------------------------------|-----------------------|------------------------|-----------------------|---|-----|-----|
| | Jan | Feb | Mar | Apr | May | Jun |
| 1 | English 45 | English 43 | Moliterno 38 | Kochanny Ropp 30 | | |
| 2 | Ropp 41 | Ropp 34 | Kochanny 36 | English 24 | | |
| 3 | Miller 32 | Miller 33 Wichmann | Miller 31 Wichmann | Kelchen 22 | | |
| 4 | Jaeger 30 | Kelchen 31 | English 29 | Barney 19 Hofsommer McDonald White | | |
| 5 | Kelchen 27 Newkirk | Newkirk 25 Kochanny | White 25 | Miller 18 Moliterno | | |
| | | | | | | |
| | July | Aug | Sep | Oct | Nov | Dec |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

| 2017 - Top 5 Calls Made by Year-To-Date | | | |
|---|----------|-----|--------|
| 1 | English | 141 | 39.17% |
| 2 | Ropp | 124 | 34.44% |
| 3 | Miller | 114 | 31.67% |
| 4 | Kochanny | 113 | 31.39% |
| 5 | Kelchen | 104 | 28.89% |

| Monthly Incident Comparison (2007-2017) | | | | | | | | | | | | | Total |
|---|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| | January | February | March | April | May | June | July | August | September | October | November | December | |
| 2017 | 98 | 95 | 92 | 75 | | | | | | | | | 360 |
| 2016 | 98 | 87 | 101 | 97 | 72 | 84 | 85 | 86 | 92 | 106 | 106 | 123 | 1137 |
| 2015 | 84 | 77 | 85 | 74 | 85 | 91 | 87 | 93 | 100 | 78 | 91 | 76 | 1021 |
| 2014 | 81 | 61 | 72 | 90 | 79 | 93 | 86 | 100 | 84 | 84 | 82 | 71 | 983 |
| 2013 | 73 | 66 | 80 | 71 | 95 | 75 | 84 | 84 | 77 | 83 | 80 | 92 | 960 |
| 2012 | 58 | 59 | 66 | 76 | 70 | 81 | 111 | 87 | 62 | 69 | 71 | 75 | 885 |
| 2011 | 64 | 57 | 45 | 52 | 52 | 70 | 71 | 63 | 52 | 62 | 54 | 70 | 712 |
| 2010 | 72 | 53 | 63 | 45 | 67 | 67 | 55 | 52 | 59 | 53 | 63 | 49 | 698 |
| 2009 | 79 | 48 | 60 | 53 | 74 | 71 | 65 | 71 | 46 | 45 | 50 | 61 | 723 |
| 2008 | 50 | 68 | 50 | 52 | 53 | 53 | 65 | 60 | 48 | 64 | 50 | 84 | 697 |
| 2007 | 47 | 84 | 68 | 59 | 54 | 63 | 66 | 65 | 54 | 41 | 57 | 87 | 745 |

| YTD Monthly Incident Comparison (2007-2017) | | | | | | | | | | | | | Total |
|---|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|-------|
| | January | Jan-Feb | Jan-Mar | Jan-Apr | Jan-May | Jan-Jun | Jan-July | Jan-Aug | Jan-Sep | Jan-Oct | Jan-Nov | Jan-Dec | |
| 2017 | 98 | 193 | 285 | 360 | | | | | | | | | 285 |
| 2016 | 98 | 185 | 286 | 383 | 455 | 539 | 624 | 710 | 802 | 908 | 1014 | 1037 | 1037 |
| 2015 | 84 | 161 | 246 | 320 | 405 | 496 | 583 | 677 | 776 | 854 | 945 | 1021 | 1021 |
| 2014 | 81 | 142 | 214 | 304 | 383 | 476 | 562 | 662 | 746 | 830 | 912 | 983 | 983 |
| 2013 | 73 | 139 | 219 | 290 | 385 | 460 | 544 | 628 | 705 | 788 | 868 | 960 | 960 |
| 2012 | 58 | 117 | 183 | 259 | 329 | 410 | 521 | 608 | 670 | 739 | 810 | 885 | 885 |
| 2011 | 64 | 121 | 166 | 218 | 270 | 340 | 411 | 474 | 526 | 588 | 642 | 712 | 712 |
| 2010 | 72 | 125 | 188 | 233 | 300 | 367 | 422 | 474 | 533 | 586 | 649 | 698 | 698 |
| 2009 | 79 | 127 | 187 | 240 | 314 | 385 | 450 | 521 | 567 | 612 | 662 | 723 | 723 |
| 2008 | 50 | 118 | 168 | 220 | 273 | 326 | 391 | 451 | 499 | 563 | 613 | 697 | 697 |
| 2007 | 47 | 131 | 199 | 258 | 312 | 375 | 441 | 506 | 560 | 601 | 658 | 745 | 745 |



TO: City Administrator and City Council

FROM: Jennie Garner, Library Director

DATE: May 3, 2017

SUBJECT: Library Monthly Report

At a Glance

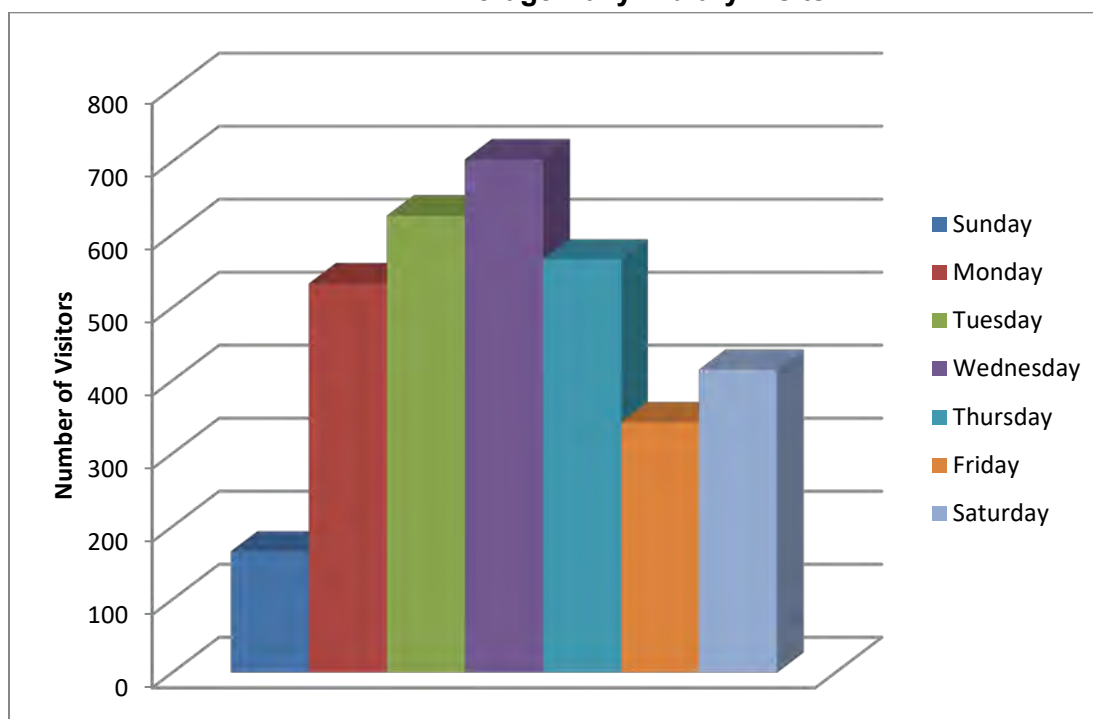
Door Count 14281

Computer Usage 2619

Database Use 1857

Meeting Room Use 850

Average Daily Library Visits



Programming, Events and News

The Eric Litwin author visit was a huge success. We had about 500 people total attend the two shows and feedback was very positive.

The library also hosted our first annual Waddle Walk. This first-time event went off pretty well. Thanks to those of you who came out to walk and support the library's Read to the Bump initiative. We had a small group but everyone seemed to enjoy themselves and we've already got some ideas to encourage more participation next year.

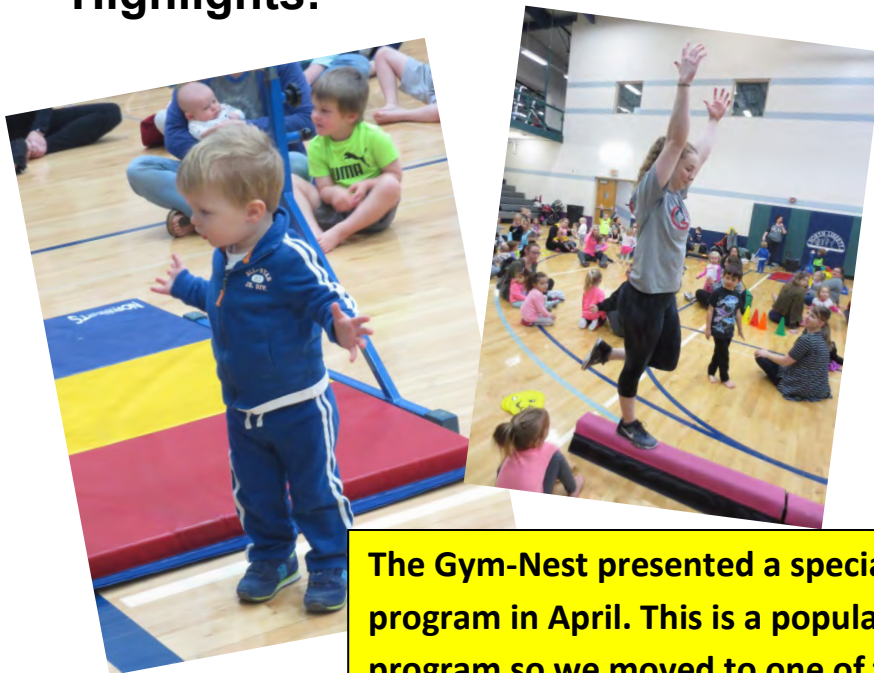
The Friends of the Library sent out their annual contribution drive forms. Those forms are also available in the library if you didn't receive one and would like to contribute to Friends. The Friends helps the library with financial support to supplement the budget when needed and also has active members who volunteer to help at large events like the Litwin program.

We are very grateful for all they do. The contribution drive is a large portion of their fund-raising efforts and the Friends have been able to really grow their funds in recent years. Some of the funding they have helped us with in the last year include the new shelving unit in the children's area, sponsorship to launch 1000 Books before Kindergarten, books to distribute as prizes for each child who finishes our Summer Reading Program this year and more.

Speaking of Summer Reading Programs, we've expanded our programming two weeks this year, making an eight week program and added activities almost every weekday for kiddos. The theme this year is Build a Better World and we're excited with the programming options for that. We have programs for adults through babies and this year is promising to be the biggest and best ever. We're once again offering our Family Reading Challenge to encourage all members of the family to participate and read over the summer. Our annual kick off will be held at the Hwy 965 and Zeller location of Hills Bank on May 31.

Our adult services librarian, Elaine, and our Youth & Teen Services Librarian, Erin, are teaming up to create a small raised bed community garden. They were successfully awarded a \$1000 Community Garden grant from HyVee and the Parks department generously built the raised bed for the library with some wood they had left over from other projects.

Highlights:



The Gym-Nest presented a special Tot program in April. This is a popular program so we moved to one of the recreation side's gyms to give them room to spread out.

Eric Litwin's interactive family program was a hit for all ages and his beloved book character, Pete the Cat, made a special appearance.



The sun was out for a successful first Waddle Walk!



To: Mayor and City Council
Parks and Recreation Commission
City Administrator

From: Guy Goldsmith, Director of Parks, Building and Grounds

Date: May 2, 2017

Re: Monthly Report

We performed various building maintenance tasks as needed this month.

We picked up trash and pet waste stations from our Parks as needed this month.

We performed ground and landscape maintenance. We have trimmed and pruned trees as needed. We continue to mow and trim as time permits but with the recent rain and short on staff it has been challenging. We applied 90 acres of turf grass fertilizer as well as continued efforts aerating park property.

We continue to maintain ball fields and facilities this month. A considerable amount of time has been spent making improvements to the Babe Ruth field in preparation for Liberty High Baseball. Park staff continues to maintain ball fields on weekends in support of weekend tournaments.

The annual Muddy Creek and Bike Trail clean-up on April 8th was a success. I would like to thank the Tree & Storm Water Board, City Councilor Brian Wayson, Boy Scouts and Cub Scouts, City staff, and the Public for helping with removing trash and debris along Muddy Creek and the trail that had accumulated over the winter.

Park staff prepared and tilled the Community Gardens site located at the northeast corner of Penn Meadows Park next to the barn in preparation for the May 1 garden plot renters. This program has been a great success.

We met with Sitler's LED Supplies regarding changing the light fixtures to LED at the Parks maintenance facility. We have approximately 1/3 of the old fixtures at the facility that are in need of new bulbs and or ballasts and instead of replacing with traditional parts we thought this may be the right time to upgrade and replace with LED style fixtures. We are currently eligible to participate in the rebate program from Alliant Energy to reduce the cost of replacement.

We received two solar LED fixtures and poles for testing and evaluation. The solar LED testing is in preparation of the upcoming trail lighting project from Zeller Street to Forevergreen Road. Initial testing has been very positive.

The Parks Department on April 29th participated with other City Departments in the annual City Wide Clean-up Day.

Planning and preparation continue for the July 8th Blues & BBQ celebration.

We have 7 of our 12 seasonal employees currently working. The remaining five will start work on various dates after college is out for the summer.



North Liberty Police Monthly Report April 2017

Training:

- All officers participated in scenario based judgment training incorporating de-escalation, correct reactions to threats, and tactical medical training. This was for 8 hours and hosted by NLPD in Cedar Rapids. (168 hours)
- 3 newer officers attended Interview and Interrogation training presented by CTK in Waterloo, Iowa (72 hours).
- Our newest officer attended 2 hours of Domestic Violence Risk Assessment training in Iowa City (2 hours).
- 2 Supervisors went to the Advanced Racial Equality in Government Symposium in Iowa City (16 hours).
- Officers attended the monthly Bomb Squad and Dive Team Training (16 hours)
- 2 officers attended Police Mountain Bike School in Davenport (80 hours).
- An officer attended the Duane Arnold Energy Functional Exercise and walk through event at the fairgrounds. This is a practice exercise for evacuation procedures to Johnson County in case of radiation exposure. (3 hours)
- One officer attended a 3 day conference in Altoona, presented by the Governor's Traffic Safety Bureau (GTSB). Topics discussed were case law, new legislation, safety features, grant management, and new technology for traffic safety (24 hours).
- The Lieutenant traveled to New Orleans for a 2 day conference on best practices for Body-Worn Cameras. This was required and partially funded out of the Body Camera grant. (16 hours)
- Officers attended Bomb squad and Dive team training. (16 hours)

| Traffic Contacts | 358 |
|---------------------------------------|------|
| Parking Contacts | 34 |
| Vehicle Inspections | 37 |
| Vehicle Unlocks | 30 |
| Crash Investigations | 17 |
| Public Assists | 300 |
| Assist Other Agency | 83 |
| Crimes Against Persons Report | 4 |
| Crimes Against Property Report | 14 |
| Other Reports | 39 |
| Arrests | 37 |
| Warrants | 4 |
| Alcohol/Narcotics Charges | 21 |
| Crimes Against Persons Charges | 8 |
| Crimes Against Property Charges | 2 |
| Other Charges | 19 |
| Animal Calls | 39 |
| Total Calls for Service | 1736 |
| *Total Calls for Service for the year | 7391 |

Public Relations:

- Several Officers volunteered to help with the 3rd Annual Kites for Kids event at NCJH which is a child abuse prevention event. Officers helped put kites together, fly kites, and provided tours of the squad cars.
- For two days the Department hosted of open house tours of the Police Station. We had 40 people go through the building, including local media.
- Officers attended the Glow in the Dark Easter Egg Hunt at Penn Meadows.
- Chief Venenga attended a 4 hour public forum on Re-entry after Incarceration in Coralville.
- The department hosted the annual DEA Prescription Drug take back April 29th. We collected over 100 pounds of medications for disposal.
- An officer presented a summer safety video at North Bend Elementary.
- Donations for the K-9 continue to be collected. We received \$1500 from the Iowa City Jaycees and \$2000 from the NL Betterment Community. Thanks to the generosity of our community we have raised \$56,000 to date.

- An officer continues to represent NLPD at the citizen police academy. He recently taught the OWI detection, investigation and procedures for processing an OWI.

Equipment:

- We replaced a ballistic vest at the manufacturer's recommendation which is every five years. Officers are measured and can pick up the vest the same day at Carpenter Uniforms. We use a federal grant to purchase the vests and get reimbursed for most of the cost.
- Several worn summer uniforms were replaced.
- Investigations replaced several evidence processing/collection items.

Enforcement:

- Investigations followed-up on a reported sexual assault from an IC Church involving an NL resident and several children. Charges were filed in the case.
- Officers conducted localized traffic enforcement at the elementary schools, based on complaints of excessive speeding when children are walking to school.

Department Admin:

- Ongoing for Policy migration, Target Solutions Records Management software, and body-worn camera grant requirements.
- Continue with discussions about the PD expansion and have comment cards in our front lobby for folks to fill out that came to visits the PD.
- The annual power point report for 2016 was completed.
- Planning continues for the acquisition of a K-9 and planning for officer and kennel selection.

Respectfully Submitted by Chief Diane Venenga and Alisha Ruffcorn 5/3/2017

To: Mayor, City Council and City Administrator
From: Shelly Simpson, Recreation Director
Date: May 1, 2017

Monthly Report – April 2017

Recreation Update:

“Kids Campsite” usage for this month, totaling 786 participants.

April was a big registration month, taking in \$125,083.28. The majority of this was for Summer Camp, swim lessons and classes/programs. The Easter Egg Hunt was held outside for once and it was well attended as usual; 500 kids plus adults.

Numerous meetings were attended. New class leads include Zumba, yoga and weight lifting. Others included security camera proposals, bicycle events, and a Senior Dining “Potluck” was held this month.

Summer preparations continue.

Pool Update:

This is a busy time of year for indoor pool usage. Ashley continues to listen to many demands such as lap swimmers, water fitness classes, and swim lessons. Ashley had 9 participants enrolled in her Recreation Swim Team offered this session and 13 enrollees took part in the Lifeguard Class. We are running the trial run with the Accutab system on the indoor pool. Pulsar will still be used on outside pool during the summer months.

Outdoor Pool preparations are underway. The inside of the slides have been re-furbished. The outdoor pool shell and deck have been re-caulked and pool shell re-painted. A hose bib was capped and work continues as we prepare to fill.

Ashley continues to work on summer staffing. Many of our lifeguards were HS students last year and this so the week between Memorial Day and when school is out, the outdoor pool will not be open to the public.

Park Board members are anxious to review the Aquatic Master Plan and are waiting patiently for a joint meeting with City Council to work on implementation.

Submitted by Shelly Simpson

To: Mayor and City Council

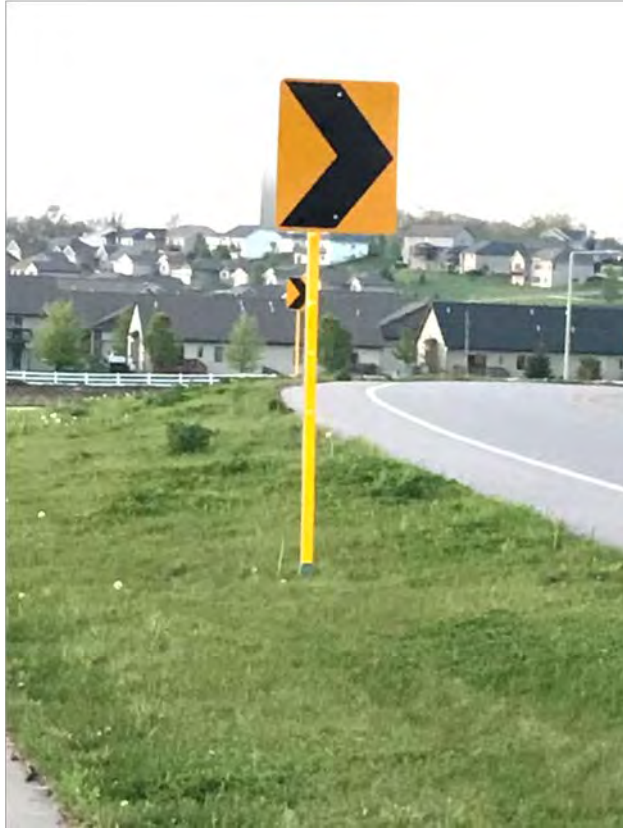
From: Michael Pentecost, Street Superintendent

Re: April 2017 Monthly Report

May 1, 2017

The following items took place in the month of April that involved the Streets Department.

- Locating of City Utilities (388 job tickets) ongoing
- Continued animal control services (responded to 9 animal issues)
- Cemetery plot locates (2 in total)
- Removal of remaining snow equipment off the fleet
 - a. Inspected, serviced, organized and put away into cold storage
- Training for staff
 - a. Lock out/tag out procedures
 - b. Safe and efficient jetting and vaccing procedures
 - c. Completed annual fire extinguisher inspection of all street building and vehicles
- Street sweeping continued
 - a. Approximately 40 hopper loads or 61 tons of material cleaned off of streets so far
 - b. All material hauled to landfill at a cost of just under \$3000 so far
- Completed spring leaf collection (approximately 40 cubic yards of material collected)
- Tilling and seeding repair of right-of-way areas damaged around the city
- Initiated jetting of sewer main program
 - a. System cleaning, inspection, and documentation
 - b. Started on north side of town working to the south
 - c. Program will take a number of years to complete the whole city infrastructure
 - d. Additional manhole rehabilitation identify for summer of 2017 infrastructure work
- Penn Street and North Liberty Rd construction projects continuing
 - a. Penn Street project is a little over 18% complete
 - b. North Liberty Rd project is a little under 13% complete
- Cold patch repair of streets and damaged sidewalk removal and replacement
- Building maintenance and facility work at public works shop
 - a. Overhead doors serviced and repaired
 - b. Electric gate prepared for hardwired entrance
 - c. Storm sewer work completed for brine building site
- Traffic control software programmed, updated, and cabinet maintenance performed
- City trail street lights repaired
- Met with IDOT about Forevergreen Rd final plan review along with a PIM later into the evening
- Attended TIM (Traffic Indecent Management) meeting regarding upcoming I80/380 interchange project
- Street sign repair, replacement and install of reflective post attachments on N. Front St curve by South Slope building and Cedar Springs Drive for better curve identification
- Annual City Wide Spring Clean Up day conducted at public works campus



Reflective Posts on North Front Street



Spring Clean-up (Electronics section, mainly TVs)



Multiple drop spots set up to organize and sort



Lines moved very quickly

Communications Department Report

Submitted to the North Liberty City Council

April 28, 2017 for the month of April 2017

Communications Assistant

We will be filling a new position for FY 2018 to help with video production, event support, website updates and more. When we closed the applications on April 24, we had more than 80 applicants. We plan to interview about four candidates in person, with staff calling potential interviewees in the interim. We expect to make an offer following interviews.

Blues & BBQ

With just over two months to go, planning is well underway. Staff and committee volunteers have announced our presenting sponsor (Veridian Credit Union) and headliner (Anderson East) and are preparing to announce the remaining lineup, food vendors, and our Pig & Pint Prelude fundraiser over the next several weeks.

Volunteer opportunities (we have some 300 of them) are available at northlibertyblues.org/volunteer and we'd love the public's help.

Another Episode

Jillian has been making final preparations for our new free community binge-watching series. On the third Thursday of May, June, July and August, we'll host community member on the Community Center lawn. The first night will be season one of Parks and Recreation, with subsequent shows to be voted on by the public. Information is available at anotherepisode.org. Megan has been working on social promo pieces as well as video to play between episodes.

United Way

Megan is working on a collaboration with the staff from Iowa City and Coralville to produce a United Way of Johnson and Washington Counties promotional video. The hope is to complete the video by late May.

North Liberty Police Department

Staff planned for public outreach and information about the North Liberty Police Department's future space needs. Jillian and Megan reached out to local media, Megan produced an animated timeline explaining the police department's growth, and Jillian assembled a slide deck for the open house explaining the current facility's inadequacies. The police department will be hosting tours in early April to help residents understand the needs.

Think Bicycles Bike Month

We're sponsoring the county-wide Bike Month this year and hosting a variety of bike-events in North Liberty, including a "how to bike to work" presentation, a bike commuter breakfast at

Sugar Bottom and some promotions to encourage biking to the farmers market and the May edition of Another Episode. You can find the full schedule of events at thinkbicycles.org

Special Election

For the April 25 special election, staff solicited and published statements from each of the candidates. Additionally, we compiled and shared election information in advance of the election.

Other

We produced and submitted City Council and Johnson County joint entities meetings to the Iowa City government and Coralville channels.

Staff represented the City of North Liberty at meetings of the following: Iowa City Area Chamber of Commerce North Liberty steering committee.

Staff made appearances on The Gazette, Press-Citizen, the North Liberty Leader, KCJJ, KXIC, KGAN and KCRG to promote city news.

We sent news releases about cleanup day, garage sales, volunteer board and commission applications, smart residents and more.

Social media (Current month and preceding 12)

| Month | Facebook new likes | Facebook reach (28 days) | Twitter new follows | Twitter impressions | Instagram net new follows |
|----------------|--------------------|--------------------------|---------------------|---------------------|---------------------------|
| April 2017 | 72 | 37,913 | 36 | 28,400 | 15 (926) |
| March 2017 | 92 | 63,364 | 29 | 20,100 | 10 (911) |
| February 2017 | 54 | 40,720 | 39 | 38,100 | 14 (901) |
| January 2017 | 41 | 27,035 | 59 | 17,400 | 13 (887) |
| December 2016 | 51 | 59,538 | 29 | 17,800 | 14 (874) |
| November 2016 | 48 | 50,690 | 36 | 12,700 | 17 (860) |
| October 2016 | 79 | 74,835 | 42 | 30,300 | 19 (843) |
| September 2016 | 64 | 62,860 | 52 | 25,000 | 21 (824) |
| August 2016 | 84 | 74,265 | 55 | 29,500 | 82 (803) |
| July 2016 | 110 | 83,551 | 70 | 16,500 | 124 (721) |
| June 2016 | 217 | 66,227 | 92 | 25,400 | 89 (597) |
| May 2016 | 112 | 54,190 | 55 | 37,800 | 46 (508) |
| April 2016 | 122 | 62,193 | 30 | 24,500 | 43 (462) |

Website Statistics (Current month and preceding 12)

| Month | Sessions | Users | Pageviews | Pages/Session | Avg. Session |
|---------------|----------|--------|-----------|---------------|--------------|
| April 2017 | 17,784 | 12,520 | 36,183 | 2.03 | 1:26 |
| March 2017 | 27,434 | 21,552 | 47,673 | 1.74 | 0:59 |
| February 2017 | 13,340 | 9,711 | 29,186 | 2.19 | 1:32 |
| January 2017 | 15,482 | 10,918 | 35,254 | 2.28 | 1:33 |

| | | | | | |
|-----------------------|--------|--------|--------|------|------|
| December 2016 | 12,687 | 9,167 | 29,048 | 2.29 | 1:30 |
| November 2016 | 13,679 | 9,930 | 28,603 | 2.09 | 1:25 |
| October 2016 | 18,311 | 12,813 | 35,906 | 1.96 | 1:25 |
| September 2016 | 14,139 | 10,256 | 30,028 | 2.12 | 1:30 |
| August 2016 | 21,915 | 15,496 | 42,191 | 1.93 | 1:22 |
| July 2016 | 21,164 | 15,123 | 40,525 | 1.91 | 1:22 |
| June 2016 | 23,761 | 16,469 | 47,658 | 2.01 | 1:27 |
| May 2016 | 19,917 | 14,231 | 39,812 | 2.00 | 1:22 |
| April 2016 | 16,898 | 12,044 | 36,230 | 2.14 | 1:38 |

Completed Shoots

| Title | Requested By | Date Shot | Duration |
|---|---|------------------|-----------------|
| League of Women Voters legislative forum | LWV of JC | March 25 | 2:00 |
| Communications Advisory Commission | City Administration | April 3 | 0:26 |
| Virtual NLPD Tour | Communications | April 4 | 0:03 |
| Planning and Zoning | City Administration | April 4 | 0:51 |
| Social: Eric Litwin | Library | April 5 | 0:01 |
| Parks and Recreation | City Administration | April 6 | 1:26 |
| Social: Kites for Kids | Communications | April 8 | 0:01 |
| Social: Easter Egg Hunt | Communications | April 8 | 0:01 |
| Social: Another Episode | Communications | April 10 | 0:01 |
| City Council | City Administration | April 11 | 1:06 |
| Preschool Story Time | Library | April 12 | 0:25 |
| Tree and Strom Water Board | City Administration | April 12 | 0:15 |
| Joint Entities | City Administration | April 17 | 1:05 |
| Library Board of Directors | City Administration | April 17 | 0:33 |
| Preschool Story Time | Library | April 19 | 0:25 |
| Social: Waddle Walk | Communications | April 23 | 0:01 |
| Social: NLCP Garden | Communications | April 20 | 0:01 |
| City Council | City Administration | April 25 | 0:53 |
| Total shoots: 18 | Duration of new video: 9.6 hours | | |



Water Pollution Control Plant



Iowa

TO: City Council, Mayor and City Administrator

FROM: Dave Ramsey


DATE: May 1, 2017

SUBJECT: April 2017 Water Pollution Control Plant (WPCP) Report

1. All scheduled preventative maintenance at the plant and lift stations was completed. Staff stayed very busy with numerous operational jobs throughout the month.
2. This month's staff safety meeting was on Personal Protective Equipment.
3. We held our 22nd construction meeting on the WPCP Phase 2 expansion project. We are working with the general contractor and Fox Engineering on a daily basis to keep the project moving forward while trying our best to minimize change orders and related costs.
4. We performed our yearly generator maintenance on 9 lift station generators and 3 plant generators. This maintenance consisted of changing all oils and filters, and inspecting all operations and controls of each generator.
5. We performed our yearly lift station maintenance which consists of pulling all pumps for inspections and checking all control systems for each of our 10 lift stations. Last year numerous pumps needed major work due to more than 10 plus years of operations. This year we only found minor issues that were all resolved.
6. We needed very costly highly specialized parts; 20 specialized support bolt brackets manufacturer priced at \$5238 and 5 custom thrust brass bushings manufacturer priced at \$2525. We had both sets of parts made at a local machine shop for \$3051 and \$1704 respectively. This resulted in a savings of \$3008 for the city.

David Ramsey
WPCP Supt.

City of North Liberty
3 Quail Creek Circle
PO Box 77
North Liberty, IA 52317



Phone: 319-626-5738
Fax: 319-626-5739
northlibertyiowa.org

To: Mayor and City Council

From: Greg Metternich, Water Superintendent

Re: Monthly Report

May 2, 2017

We read 8,134 radio reads last month that's an increase of 11 accounts. We had to re-read approximately 79 accounts.

We delivered 110 shut off notices and shut off approximately 37 overdue accounts for non-payment last month.

In the month of April we treated a total of 48,236,000 gallons of water, our average daily flow was 1,556,000 gallons, and our maximum daily flow was 1,780,000 gallons. The total for the month was 8.56% higher than last April. We injected 11,990,000 gallons into the ASR well in April, which brings us to a total of about 38,000,000 gallons of injected water. We should be finished with the injection process on May 4, 2017.

The test pumping on wells 8 and 9 has been completed. The new Silurian produced about 311 gallons per minute (gpm) that's about 200 gpm more than any other Silurian well we have, and the new Jordan produced a little over 1200 gpm. Gingrich is waiting for the engineers to finish reviewing the test pump data; once they give their approval Gingrich will begin removing the sound wall. Peerless is also waiting on approval from the engineers before removing the test pumping equipment.

Portzen has finished installing all of the meter manholes at wells 3, 4, and 5. Randel Electric has installed the control cabinets and the VFD drives at wells 3 and 4. They're currently installing the underground conduits at well 5. Portzen will begin construction on the new well building for wells 8 and 9 this week. The sub-contractor working on the 750,000 gallon Ground Storage Tank started on site this week.

We changed out around 35 meters last month and installed 29 set valves.

Water Superintendent

Greg Metternich

North Liberty Parks & Recreation Committee Meeting
Thursday, May 4, 2017
Proposal of Agenda

REGULAR MEETING: 7:00PM

NEW BUSINESS:

1. Approve minutes from meeting (s) of: Minutes from April 6 meeting.
2. Public Comments/Concerns: Open to public for comments and concerns;
5 minutes per person time limit.
3. Board Applications: Two terms expiring: Jami Maxson & Scott Stahmer;
Fill out applications; reapply by May 19 to City Hall
4. Building & Grounds Report: Parks Monthly Report
5. Summer Preparations: Many summer programs begin Week of May 1
Summer Camp preparations
Outdoor Pool / Concessions preparations
Field Rentals
6. Upcoming Events: Community Gardens May 1 – planting begins
Next Swim Lesson Session: Week of June 5
7. Facility Holiday Hours: Memorial Day Weekend: Sat/Sun/Mon., May 27-29
Rec Center / Indoor Pool: 8am-6pm
Outdoor Pool: 12 (noon) – 6pm
8. Any new issues not on the agenda?

OLD BUSINESS:

1. Recreation Monthly Report: Report included in packet summarizing the past month.
2. Any old business not on agenda?

CONCLUSION:

1. Next Meeting Thursday, June 1, 2017 at 7:00 PM
Location: City Council Chambers at 1 Quail Creek Circle
2. Adjourn

North Liberty Parks & Recreation Committee Meeting

Thursday, April 6, 2017

Board Members Present: Jef Farland, Jami Maxson, Scott Stahmer, Matthew Eckhardt, Jeff Kellbach

Others Present: Guy Goldsmith, Tim Hamer, Shelly Simpson and Brian Motley

Meeting called to order: 7:00 pm

NEW BUSINESS:

1. Approve minutes: Minutes from March 2 meeting approved.
2. Building and Grounds Report: All parks buildings now in service, new Penn Meadows concession/restroom building had no issues with winterization. Starting work on ball fields. Muddy Creek and bike trail cleanup April 8. Eagle Scout project planned to put together 10 picnic tables, another to replace park benches. Still grading and dirt to be removed at Centennial Park before seeding, likely no on-site parking for Blues & BBQ.
3. Summer Activity Guide: Registration opened this week (due to computer snafu, registration opened sooner than intended, had to make some adjustments).
4. Youth Baseball/Softball: Practices begin in May, high school will be using as well as NLYBS and Babe Ruth, presents some challenges for maintenance.
5. Upcoming events:

| | |
|---------------------------|--|
| Community Gardens | Reserve plots April 7 for prior users, April 14 for new users |
| Easter Egg Hunt | April 8 |
| Kayak Trip | April 22 (register by April 15) |
| Next session swim lessons | April 24 |
6. Aquatic Plan Review: Site had 28,381 uses by 2882 pass members, 37,349 daily users. Comments/questions/clarifications re report
 - a. Sodium hypochlorite cheaper but more utilized than calcium hypochlorite
 - b. Remove wall with BB hoop - visibility barrier for lifeguards
 - c. Replace play feature - bottom creates site barriers, benefits also due to unit rusting and has had issues, could do larger unit
 - d. Expand zero depth entry area
 - e. Joint venture with high schools - in survey was low priority item, may be future need for this
 - f. Idea of wall to separate water exercise area, need to make sure area deep enough to utilize
 - g. Peak busy times 8-10am, 11:30-1, survey indicated not meeting needs as far as physical space, such as for swim lessons, and sharing of lap swim and exercise area
 - h. Need to change to 25 yards pool - benefits to 50m pool but increases expenses, would need to diversify
 - i. Need more parking for expansion - limited options for this
 - j. Looking at \$10 million cost, would need to go to public

OLD BUSINESS:

1. Aquatic Feasibility Study: Still waiting to hear about joint meeting with City Council to discuss further.
2. Recreation Monthly Report: Activities as usual. Working on getting people counters to better assess usage.
3. Added 7 new pieces of cardio equipment.

CONCLUSION:

1. Next Meeting
Thursday, May 4, 2016 at 7:00PM
Location: City Council Chambers at 1 Quail Creek Circle
2. Adjourned at 8:25 pm

Minutes submitted by Jami Maxson

To: Park & Recreation Commission Board Members
Mayor, City Council and City Administrator
From: Shelly Simpson, Recreation Director
Date: May 1, 2017
Re: Monthly Report – April 2017

Program Summaries – April

Swim Lessons:

| | |
|---------------------------|---------------------------------------|
| <u>Parent Tot:</u> | This session had 30 participants. |
| <u>Tadpoles:</u> | This session had 15 participants. |
| <u>Level 1:</u> | This session had 23 participants. |
| <u>Level 2:</u> | This session had 15 participants. |
| <u>Level 3:</u> | This session had 15 participants. |
| <u>Level 4:</u> | This session had 14 participants. |
| <u>Level 5:</u> | This session had 12 participants. |
| <u>Level 6:</u> | This session had 8 participants. |
| <u>Private Lessons:</u> T | This session had 23 participants. |
| TH | This session had 27 participants. |
| | Total participation; 182 participants |

Pool Programs:

| | |
|-----------------------|--|
| <u>Water Fitness:</u> | Early Bird Aqua Aerobics: 4 participants, plus drop-ins. |
| | Easy Does It: 6 participant, plus drop-ins. |
| | Water Resistance AM 2 participants, plus drop-ins. |
| | Aqua Boot Camp: 1 participant, plus drop-ins. |
| | Arthritis Foundation Aqua: 20 participants, plus drop-ins. |
| | Noodle Triathlon Workout: Drop-ins only. |

Rec Swim Team: 9 participants, took part in this month session.

Lifeguard Class (April) 13 enrollees

Preschool:

| | |
|-------------------------------|--|
| <u>Kids Campsite:</u> | This month = 786 participants |
| <u>Lucky Duck:</u> | Held on Tues & Thurs mornings, this session \$ 89.00 collected |
| <u>Wiggle Worms:</u> | 21 participants, plus drop-ins |
| <u>Stroller Strides:</u> | AM = 1 participant, plus drop-ins. |
| | PM = 2 participants, plus drop-ins |
| <u>Kinder Club – Tues.</u> | 8 participants, plus drop-ins |
| <u>Maker Space (April 21)</u> | 1 participant, plus drop-ins. |

Youth Programs:

Recsters BASP: AM = 15 participants; PM = 59 participants, totaling 74 participants

Youth Sports:

| | |
|--------------------------|--------------------------------|
| <u>Tae Kwon Do M/TH:</u> | No participants this month |
| <u>Tae Kwon Do T/W:</u> | 10 participants, plus walk-ins |
| <u>Junior Golf:</u> | 11 participants |

Adult Sports/Programs:

| | |
|--------------------|---|
| <u>Basketball:</u> | Package \$70; Drop-in \$124; totals \$194.00 |
| <u>Pickleball:</u> | Package \$205; Drop-in \$478; totals \$683.00 |
| <u>Volleyball:</u> | Package \$ -0-; Drop-in \$50; totals \$50.00 |



NORTH LIBERTY PLANNING COMMISSION

Minutes

May 2, 2017

Roll Call

Chair Ronda Detlefsen called the May 2, 2017 Regular Session of the North Liberty Planning Commission to order. Commission members present: Jennifer Bleil, Ronda Detlefsen, Adam Gebhart, Kylie Pentecost and Patrick Staber. Absent – Josh Covert and Jason Heisler.

Others present: Ryan Heiar, Tracey Mulcahey, Scott Peterson, Kevin Trom, Megan Benischek and other interested parties.

Agenda Approval

Bleil moved, Staber seconded to approve the agenda. The vote was all ayes. Agenda approved.

Hodge Construction Site Plan

Staff Presentation

Heiar presented the request from Hodge Construction to approve a site plan for multi-family property is located near the northwest corner of Forevergreen Road and S. Front Street. Staff recommends approval of the application.

Applicants Presentation

Kevin Digmann and Andy Hodge presented information on the proposed site plan.

Public Comments

Jonathan Davis, Creekside Subdivision resident and president of the Creekside Homeowner's Association, expressed concerns that he has received by calls and messages. The concerns include traffic through the Creekside neighborhood, the available parking in the multifamily buildings making it more enticing to break into adjacent homes, the high probability of decreasing property values, light pollution, the ruining of the integrity and aesthetics of the Creekside neighborhood and stormwater runoff. The applicant, Hodge and Digmann, responded to the concerns expressed. The connection constructed during this subdivision was planned when Creekside was originally constructed. Amanda Pitts, 1492 Sadler Drive, expressed concern regarding speeding through the neighborhood. Detlefsen responded to the speeding concern. Heiar offered to have police patrol the neighborhood based on complaints. Peterson reported that the City has seen many speeding tickets from tickets issued in this area. Trom reported that Bernardy Drive was planned as Creekside was developed completely with one access. Trom reported that the City of Coralville owns and controls all of Forevergreen Road adjacent to this development. The developer is working with Coralville staff to dedicate right of way for a potential roundabout at that intersection. With regards to the light pollution concern, the developer has submitted lighting plans to city regarding foot candles. The lighting does stop at the northern boundary. Stormwater management design does meet City ordinance regarding runoff. Staff recommends that this application be held until the subdivision is complete.

AJ McBride, Creekside resident, expressed concern regarding commercial construction traffic. He requested a traffic impact analysis before moving ahead with this application. Heiar stated that elementary school traffic at opening and closing of the facility always results in congestion. If traffic does cut through the subdivision, residents are encouraged to reach out to City staff. Staff will request a Traffic Study from the MPOJC.

Andrew Durham, a Creekside resident, asked if any proposed green space in the next two other phases of the development are proposed particularly for wildlife. He expressed concerns over the number of new students coming from this development into already overcrowded schools. Paul Anderson, MMS Consultants, offered information on the green space in the site plan. The planned green spaces are focused on the residents, not wildlife. Heiar reported that the City works closely with the district. The ICCSD has a consultant that provides student data projections based on existing zoning and planned and existing development. Staff meets with the school district monthly to talk about developments. Anderson reported that this property was owned and zoned for approximately 20 years, even before the homes to the north were built. Heiar asked about the further east development. Anderson plan to the east is the same development mix as on this lot.

Questions and Comments

The Commission discussed the application regarding city code compliance, the potential of traffic control with speed bumps, traffic calming, traffic study, and roundabouts. Peterson reported that staff has drafted an agreement with the developer that will require that all walkways be unobstructed with parked vehicles. The Commission discussed the quality of the design, the concern of thefts, and other safety concerns. Detlefsen offered feedback regarding the concerns expressed.

Recommendation to the City Council

Pentecost moved, Bleil seconded to recommend approval of the application to the City Council. The vote was: ayes – Detlefsen, Pentecost, Staber, Gebhart, Bleil; nays – none. Motion approved.

First United Methodist Church Site Plan

Staff Presentation

Heiar presented the request of First United Methodist Church to approve a revised site plan for additions to the church located at 85 N Jones Boulevard, south of Penn Street. Staff recommends approval of the application.

Applicants Presentation

Glen Siders spoke regarding the application and presented additional information. The plan is to begin construction the beginning of June. Siders requested discussion on the the sidewalk installation. The applicant is requesting delay until the sidewalk from Cherry or Zeller Street is installed to the property line, then the walk on this property would be installed within 18 months of completion of the sidewalk.

Public Comments

No public comments were offered.

Questions and Comments

The Commission, staff and the applicant discussed the installation of the sidewalk. LL Pelling is installing the walk to connect from church property to Cherry Street intersection. The Commission

offered compliments for the design and expressed concerns for non-compliance with ADA requirements.

Recommendation to the City Council

Bleil moved, Staber seconded to recommend approval of the application to City Council as submitted. The vote was: ayes – Pentecost, Bleil, Detlefsen, Staber, Gebhart; nays – none. Motion carried.

Approval of Previous Minutes

Staber moved, Gebhart seconded to approve the minutes from the April meeting. The vote was all ayes. Minutes approved.

Old Business

No old business was presented.

New Business

No new business was presented.

Adjournment

At 7:37 p.m., Bleil moved, Gebhart seconded to adjourn. All ayes. Meeting adjourned.

Adult Basketball: 16 teams in B Division play.
Co-ed Volleyball: 16 teams in B Division play.

Adult Fitness:

Cardio Pump: 10 participants, plus drop-ins.
Kickboxing PM: 3 participants, plus drop-ins.
Boot Camp: Drop-ins only.
Abs, Buttocks, Core: Class canceled this month.
Lower Body Blast: Drop-ins only.
Body Blast: 4 participants, plus drop-ins.
Body Sculpt: Drop-ins only.
Personal Training: This month totals: Kris = -0-; Allan = -0-; Rachel = \$400

Senior Citizens:

Senior Dining: April 7 = 22 participants
 April 14 = no senior meals, city holiday
 April 21 = 22 participants
 April 28 = 17 participants
 Total for month: 61 participants

Special Events:

Easter Egg Hunt: April 8 Finally outside! Approx. 500 kids
 Kayak Trip: April 22 Canceled
 Community Gardens: 37 plot holders to date

ActiveNet Totals: Gross Income = \$ 125,083.28

| | | | | | |
|----------------------------|-------------------------|--|-----------------------------|---------------------|-----------------|
| Residency Breakdown | | | | | |
| April 1-30, 2017 | | | | | |
| <u>Package</u> | <u>Residents</u> | | <u>Non-residents</u> | <u>Total</u> | |
| Track Package | 52 | | 33 | 85 | vs. Mar = 130 |
| | | | | | |
| <u>Daily Fees</u> | | | | | |
| April 1-30, 2017 | | | | | |
| Daily Weight | 698 | | 67 | 765 | vs. Mar = 1,017 |
| Senior Daily Weight | 203 | | 39 | 242 | vs. Mar = 336 |
| Sub Total | 901 | | 106 | 1,007 | vs. Mar = 1,353 |
| <u>Pool</u> | | | | | |
| April 1-30, 2017 | <u>Adult</u> | | <u>Youth/Seniors</u> | <u>Total</u> | |
| Daily Fees | 437 | | 631 | 1,068 | vs. Mar = 1,176 |