PLANNING BOARD MEETING City Hall - 950 Locust St., Carter Lake, Iowa Monday, January 10, 2022 7:00 P.M.

AGENDA

Roll Call

Approval of the Agenda

- 1. Consent Agenda
 - a. Building Permits listing
 - b. City Council Minutes
 - c. Planning Board Minutes
- 2. New Business
 - a. 2614 N. 5th Street TSL location
 - i. Review of site plan
 - ii. Conditional use permit
 - b. Community Center permit
 - i. Stormwater Compliance
 - ii. Building Inspector recommendation
 - c. 2813 N. 9th Street
 - i. Building Inspector zoning recommendation
 - d. M-1 and M-2 Open Storage Requirements height requirements
 - e. Equipment Rental / Sale Remove Conditional Use Permit Requirements
 - f. Election of Chairperson and Vice Chairperson
- 3. Comments
- 4. Adjourn

01/07/22

jmc

PLANNING BOARD MEETING

Monday, December 13, 2021 7:00 P.M.

Board Chair Ed Palandri called the meeting to order at 7:00 p.m. Roll Call: Present: Jay Gundersen, Ed Palandri, Ray Pauly and Drew Evers; Robert Horan, Kathy Dueling, and Tim Podraza.

Pauly moved to approve of the agenda, seconded by Horan; unanimous approval; Podraza moved to approve the consent agenda with the planning board and city council minutes for November along with the building permit report for November, seconded by Gundersen; approved unanimously.

New Business:

City Clerk updated the board on the Council's decision to move forward with building inspection contract with JDW Midwest LLC. The plan is for our contact to handle calls, review and approve permits; schedule inspections and manage projects.

Community Center project: Palandri moved to approve the recommended changes, seconded by Dueling; unanimously approved.

2614 N 5th Street – TSL property is under a proposed lease agreement and new tenants business products are large equipment that is for lease or rent for commercial construction projects. Catalog photos of some of the rental equipment was part of the planning board packet. Equipment is to be hidden behind the fence, landscaping shall be on the outside of the fence. Concerns about some equipment being taller than the fence. Palandri has provided draft for the conditional use permit; and Mr. O'Bradovich prepared and shared with developer/tenants to review and provide comments; we will meet and discuss at the next meeting.

2813 N. 9th Street – Lakeside Auto Recycler scale house – new building inspector will provide zoning code review at the January meeting

902 Avenue R is requesting a parcel split for building new home. The current lot is 1.04 acres. There was a concern if the lot could be split again since it had already been split once. Clerk will follow up with the auditor to confirm.

Wynne Real Estate LLC is requesting address at the west end of Ave H at the IA/NE state line. Gundersen moved to approve 101 Avenue H seconded by Pauly;

Gundersen moved to adjourn at 8:45 p.m. seconded by Evers; unanimous approval.

CARTER LAKE CITY COUNCIL MEETING MONDAY, DECEMBER 20, 2021

Mayor Ronald Cumberledge called the meeting to order at 7:00 p.m. Roll of the council, present: Jackie Wahl, Pat Paterson, Keebie Kessler, Jason Gundersen and Denise Teeple; and city clerk Jackie Carl and city attorney Mike O'Bradovich were also present.

The agenda was reviewed, upon motion duly made by Kessler, and seconded by Wahl, the agenda was approved unanimously. Upon motion of Gundersen seconded by Kessler, the consent agenda was approve that included minutes, department reports and overtime reports; receipts and financial reports for November unanimously approved.

New Business: Mayor Cumberledge swore in city councilmembers Victor Skinner for his first term and Jacleen Wahl for second term. City Clerk Jackie Carl swore in Mayor Ronald Cumberledge for a second term.

Parks and Rec Coordinator Kendra Hollenbach spoke about the first year of the Carter Lake cheer, flag and tackle football seasons. Combined nearly 150 kids participated. All three tackle football teams competed in the Iowa Westside Classic Tournament in Des Moines over the Halloween weekend. The 3/4 grade and 7/8 grade teams finished the weekend in 5th place. The 5/6 grade team not only won the tournament championship, they were the only recreational team invited to the All-Stars National Tournament. The team traveled to Kansas City, KS December 3rd-5th to compete for a National Title. Mayor Cumberledge assisted Kendra with the presentation of team rings to each player of the championship team.

Upon motion of Kessler seconded by Gundersen, to approve re-appointment of Tim Podraza; unanimously approved. Upon motion of Paterson, seconded by Kessler to approve liquor license for Casey's General Store; unanimously approved. Paterson moved to table the salvage yard permits until the inspector returns from personal leave, seconded by Kessler; unanimously approved. Gundersen moved to approve Emma Stenner, Nathaniel Lidgett and Dexter Johnson for fire department membership, seconded by Kessler; unanimously approved.

Mayor Cumberledge invited the project manager to speak, how does the council wish to process change orders for the Community Center? Dollar amount of Mayor approval? Paterson moved to allow up to \$5,000 per change order to be approved by the Mayor, seconded by Teeple; unanimously approved. The Council needs to decide on approving the naming of the community center. Gundersen moved to approve establishing the job description for the Community Center Director, with the employee answering to the Mayor; council will set policies and procedures; seconded by Paterson; Yes: Gundersen, Wahl, Paterson, Kessler No: Teeple.

Kessler moved to approve \$2.75 increase for Bob McCloud retroactive back to when he took over as interim supervisor in the maintenance department, seconded by Paterson; unanimously approved. Kessler moved to approve \$2.00 increase for the hourly employees in the following departments, Parks, Maintenance, Police and City Hall. Roll Call NO: Teeple Wahl YES: Kessler, Paterson, Gundersen.

Kessler moved to change the job description for the Parks Coordinator and Director to answer to the Mayor and not the City Council, seconded by Gundersen; Roll Call YES: Paterson, Kessler, Gundersen NO Teeple, Wahl.

Teeple presented an email from Deborah Peterson to review the golf course lease and prepare a memo to the City Council. Teeple moved to accept proposal for up to \$2,000, seconded by Gundersen; unanimously

approved. Teeple moved to approve posting for the maintenance job at \$50-70,000 seconded by Paterson; unanimously approved. Kessler moved to post job for Community Center director and have two council members assist with interviews and make recommendation to the council for hiring, position will report to Mayor, seconded by Paterson; unanimously approved.

Gundersen moved to table discussions on Parks and Rec coordinator and Senior center coordinator until the community center director has been hired, seconded by Paterson; unanimously approved.

VI. ORDINANCES AND RESOLUTIONS:

Kessler moved to approve first reading of amendment for warehousing, seconded by Gunderson; unanimously approved. Gundersen moved to approve first reading for amendment for large garages added to residential areas, seconded by Kessler; unanimously approved. Kessler moved to approve first reading of ordinance to adopt reprecinting maps and set public hearing, seconded by Gundersen; unanimously approved.

Gundersen moved to approve second reading of ordinance to amend golf cart ordinance, seconded by Kessler; unanimously approved. Gundersen moved to approve resolution to set Max Levy hearing for January 17th meeting, seconded by Kessler; unanimously approved. Gundersen moved to approve resolution for pay request #003 for community center project in amount of \$242,266.15, seconded by Kessler; unanimously approved. Kessler moved to approve resolution for pay request #004 for SJ LOUIS construction of sewer lining in amount of \$260,891.10, seconded by Gundersen; unanimously approved. Gundersen moved to approve pay request #005 for USDA reimbursement for sewer project, seconded by Kessler; unanimously approved. Gundersen moved to table resolution accepting proposed sewer agreement with the City of Omaha until the USDA finishes it review process, seconded by Kessler; unanimously approved. Paterson moved to approve resolution regarding Iowa Public Information Board - open records request, seconded by Gunderson; unanimously approved.

Adjourn at 9:05 p.m.

Jackie Carl, City Clerk

Ronald Cumberledge, Mayor

PERMITS MASTER FILE LISTING Description

Appl Date

Page 1 Fee(s)

| Status Appl Type | Owner Location | Sub-Division Type of Use | Lot Issued Expire | Date Date Cost of Work | Paid Amount Due |
|----------------------------------|---|------------------------------|-------------------------|---------------------------|--------------------------------------|
| CM07-21 Issued Contractor | XTREME HEATING & COOLING PRAXAIR DISTRIBUTION INC 1100 AVENUE H | Sheetmetal, exhaust fans | 12-30 12-30 | , | 401.50 .00 401.50 |
| | | CM07-21 | | 25,000.00 | FEE 401.50 PAID .00 DUE 401.50 |
| CP08-21 Issued Contractor | A RAYMOND PLUMBING LA QUINTA INN & SUITES 1201 AVENUE H | GAS RESTORATION | 12-22 12-22 12-22 | -21 | 25.00 .00 25.00 |
| | | CP08-21 | | 1,000.00 | FEE 25.00 PAID .00 DUE 25.00 |
| MR351-21 Issued Contractor | OWNER AS GEN CONTRACTOR NOLASCO, PAULO 1520 AVENUE P | ROOFING AND SIDING | 12-14 12-14 6-17 | -21 | 32.00 .00 32.00 |
| | | MR351-21 | | 3,000.00 | FEE 32.00 PAID .00 DUE 32.00 |
| MR352-21 Issued Contractor | OWNER AS GEN CONTRACTOR PICKENS, JAMES 3510 230 N 9TH ST | WINDOWS & SIDING | 12-22 12-22 6-20 | -21 | 27.00 .00 27.00 |
| | | MR352-21 | | 30,000.00 | FEE 27.00 PAID .00 DUE 27.00 |
| MR353-21 Issued Contractor | OWNER AS GEN CONTRACTOR PICKENS, JAMES 3510 259 N 9TH ST | REPLACE WINDOWS | 12-22 12-22 6-20 | -21 | 13.50 .00 13.50 |
| | | MR353-21 | | 60,000.00 | FEE 13.50 PAID .00 DUE 13.50 |
| MR354-22 Issued Contractor | JAKE GRIFFEY MCWILLIAMS, JIMMY 4106 N 13TH ST | REMOVE EXISTING PRIVACY FENC | E 12-17 | -21 1.00 | 15.00 .00 15.00 |
| | | MR354-22 | | 1.00 | FEE 15.00 PAID .00 DUE 15.00 |
| RM087-21 Issued Contractor | AIRESERV RYLAND, AARON 1502 AVENUE P | REPLACE 2 GAS FURNACES | 12-14 12-14 | | 54.00 .00 54.00 |

PERMITS MASTER FILE LISTING Description

Appl Date

Page 2 Fee(s)

| Status Appl Type | Owner Location | Sub-Division Type of Use | Lot Issued Dat Expire Dat | e Cost of Work | Amou | Paid nt Due |
|-----------------------------------|--|-----------------------------|---------------------------------|----------------|--------------------|-------------------------|
| | | RM087-21 | | 6,727.90 | FEE PAID DUE | 54.00 .00 54.00 |
| RM088-21 Issued Contractor | AIRESERV RYLAND, AARON 1502 AVENUE P | Replace 2 gas furnaces | 12-22-2: 12-22-2: | | | 55.50 .00 55.50 |
| | | RM088-21 | | | FEE PAID DUE | 55.50 .00 55.50 |
| RM089-21 Issued Contractor | BURTON PLUMBING GUZMAN, MICHAEL 101 SHORELINE DR | REPLACE FURNACE AND REPAIRS | 12-30-2 12-30-2 | | | 52.00 .00 52.00 |
| | | RM089-21 | | 7,000.00 | FEE PAID DUE | 52.00 .00 52.00 |
| ROW051-21 Issued Contractor | ROTO ROOTER DAVID GIBBONS 1526 AVENUE N | Excavation in street | 12-22-2: 12-22-2: 6-20-2: | Ĺ | | 100.00 .00 100.00 |
| | | ROW051-21 | | 1,000.00 | FEE PAID DUE | 100.00 .00 100.00 |
| ROW052-22 Issued Contractor | ALFASDRILLING JOSE PEREZ 1214 AVENUE P | | 1-05-2 1-05-2 7-04-2 | | | 100.00 .00 100.00 |
| | | ROW052-22 | | 2,000.00 | FEE PAID DUE | 100.00 .00 100.00 |
| RP112-21 Issued Contractor | ROTO ROOTER DAVID GIBBONS 1526 AVENUE N | Sewer Repair | 12-22-2: 12-22-2: 3-22-2: | | | 15.00 .00 15.00 |
| | | RP112-21 | | 1,000.00 | FEE PAID DUE | 15.00 .00 15.00 |
| RP113-21 Issued Contractor | BURTON PLUMBING LIVINGSTON, ELLEN 1536 AVENUE P | REPLACE WATER HEATER | 12-30-2 12-30-2 3-30-2 | Ĺ | | 25.00 .00 25.00 |
| | | RP113-21 | | 3,500.00 | FEE PAID DUE | 25.00 .00 25.00 |

Fri Jan 7, 2022 3:05 PM PERMITS MASTER FILE LISTING
Description Page 3 **Appl Date** Fee(s) Permit # Contractor **Sub-Division** Status **Owner** Lot **Issued Date** Paid Type of Use Expire Date Cost of Work Location **Amount Due** Appl Type **GRAND TOTAL** 13 140,228.90 FEE 915.50 PAID .00

DUE

915.50

PEPRMT00 07.01.21 City of Carter Lake IA OPER: JS



September 20, 2021

Lem Sheard, Public Works Director City of Carter Lake, Iowa City Hall 950 East Locust Street. Carter Lake, Iowa 51510

Re:

TSL Carter Lake Storm Study

2614 N. 5th Street Carter Lake, lowa 51510

Mr. Sheard:

The following is our storm drainage analysis for the above referenced project.

PROJECT OVERVIEW

The TSL Carter Lake Property is located at the Northwest corner of the intersection of North 5th Street and H Avenue (See Figure 1). The property is located in Section 20, Township 75 North, and Range 44 West. The property is approximately 4.05 acres. According to the FEMA Flood Insurance Rate Map (FIRM) number 19155C0395E, effective February 4, 2005 (See Figure 2), no portion of the property lies within a designated floodplain zone or floodway.

The site currently supports an office for a freight service and a cell tower. Stormwater runoff from the site sheet flows south to an existing low, grassy area on the property.

The property owner wishes to expand the paved parking area at the facility. To alleviate the effects of stormwater runoff, the owner is proposing to construct a stormwater detention basin along the south and west portions of this property which will be sufficiently sized to store the stormwater runoff generated by this property in a 100-Year, 24-Hour Duration storm event without any outflow from the basin. Stormwater collected in the basin will be dispersed through the natural means of ground infiltration and evapotranspiration.

HYDROLOGIC ANALYSIS

The TSL Carter lake property covers approximately 4.05 acres. With the proposed site improvements, impervious surface and stormwater detention will cover over 85% of the property. The NOAA Atlas lists the precipitation the expected precipitation for this location during a 100-Year, 24-Hour Duration storm event to be 7.29 inches (See Figure 3). Ignoring the volume of stormwater that will be infiltrated yields the conservative value of storm runoff generated on the site during this storm event to be 107,396 cubic feet of water.

STORAGE CAPACITY

The owner is proposing to construct a stormwater detention basin on the west side of this property with a narrow extension running the entirety of the southern boundary along H Avenue and turning north and running along the eastern property line up to the entrance to the property on 5th Street (See Figure 4). The basin is to have a floor



elevation of 973.00 and a berm elevation of 976.00 for a total depth of 3.00 feet and 3:1 sideslopes on the banks. Storage volume for the basin was calculated to be 127,686 cubic feet (See Figure 5).

SUMMARY

The proposed detention basin as shown in Figure 4 will contain the 100-Year, 24-Hour Duration storm runoff of 107,396 cubic feet generated by the site with 20,290 cubic feet of storage capacity to spare, providing approximately 6.5 inches of freeboard in the design storm event.

Patrick Cassity, PE RENAISSANCE INFRASTRUCTURE CONSULTING

Re: Attachments

Figure 1 Aerial Photograph showing location of site

Figure 2 FEMA Firmette of site

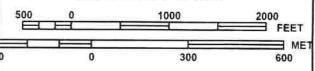
Figure 3 NOAA Atlas table for Carter Lake, Iowa Figure 4 Site plan sheet depicting detention basin

Figure 5 AutoCad Civil 3D Storage Curve for detention basin





MAP SCALE 1" = 1000'



FIRM ALOXOIDHINISIUIRANNICIETPIRIOXGIRANN

FLOOD INSURANCE RATE MAP **POTTAWATTAMIE** COUNTY, **IOWA** AND INCORPORATED AREAS **PANEL 395 OF 725**

PANEL 0395E

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

| I | COMMUNITY | NUMBER | PANEL | SUFFIX |
|---|---------------------------|--------|-------|--------|
| | CARTER LAKE CITY OF | 190492 | 0395 | E |
| | COUNCIL BLUFFS CITY OF | 190235 | 0395 | E |
| | POTTAWATTAMIE COUNTY | 190232 | 0395 | Ε |

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



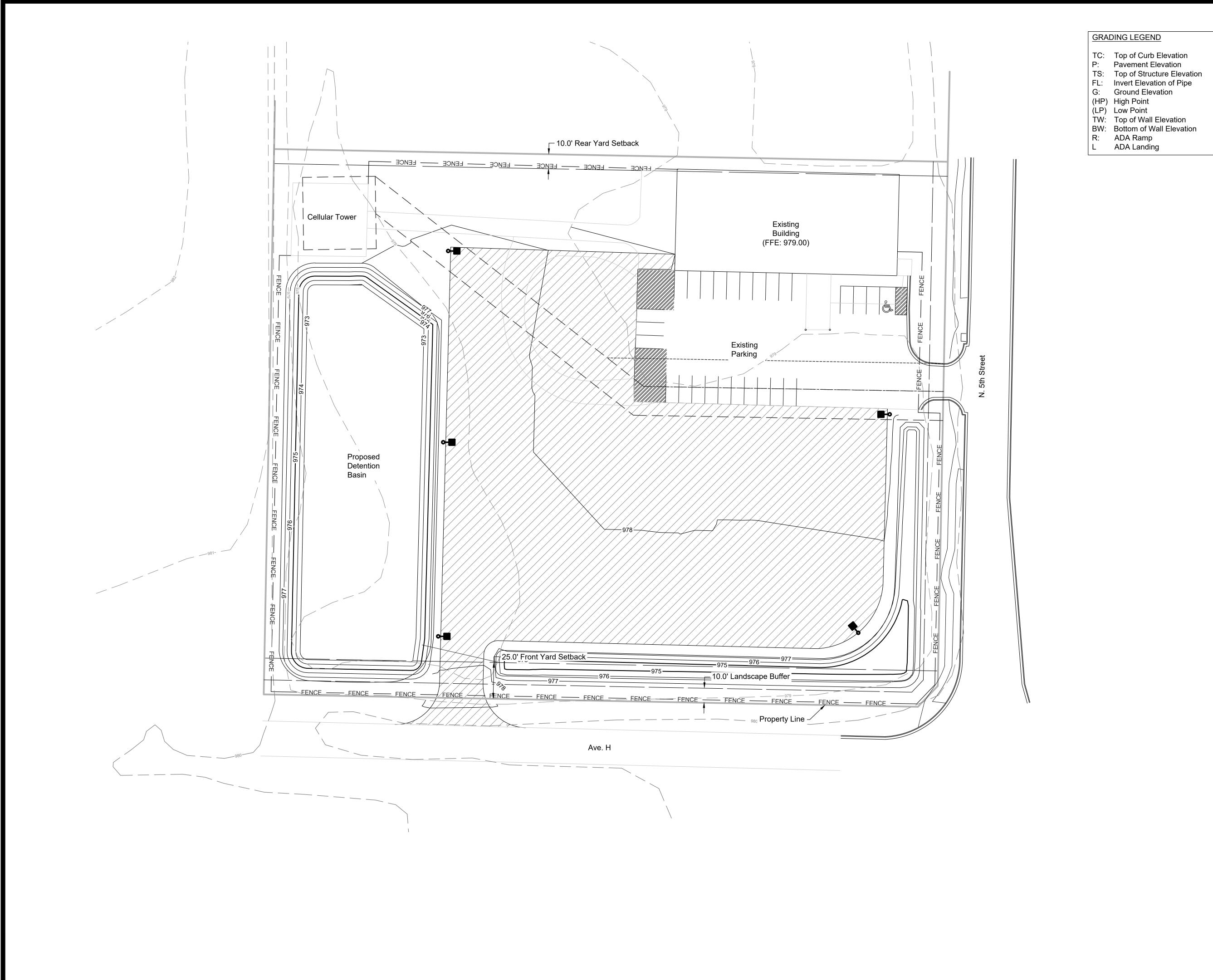
NAZETIONNAN

MAP NUMBER 19155C0395E

EFFECTIVE DATE FEBRUARY 4, 2005

Federal Emergency Management Agency

This is an official FIRMette showing a portion of the above-referenced flood map created from the MSC FIRMette Web tool. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For additional information about how to make sure the map is current, please see the Flood Hazard Mapping Updates Overview Fact Shee vailable on the FEMA Flood Map Service Center home page at https://msc.fema.gov



TC: Top of Curb Elevation

P: Pavement Elevation

— — Existing Minor Contour
— Existing Major Contour
— Proposed Minor Contour
Proposed Major Contour

Final Development Plans 21-0127 TSL Carter La , Pottawattam

REVISION

Grading Plan



Sheet C04



NOAA Atlas 14, Volume 8, Version 2 Location name: Carter Lake, Iowa, USA* Latitude: 41.2849°, Longitude: -95.9166° Elevation: 981.39 ft**



* source: ESRI Maps ** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

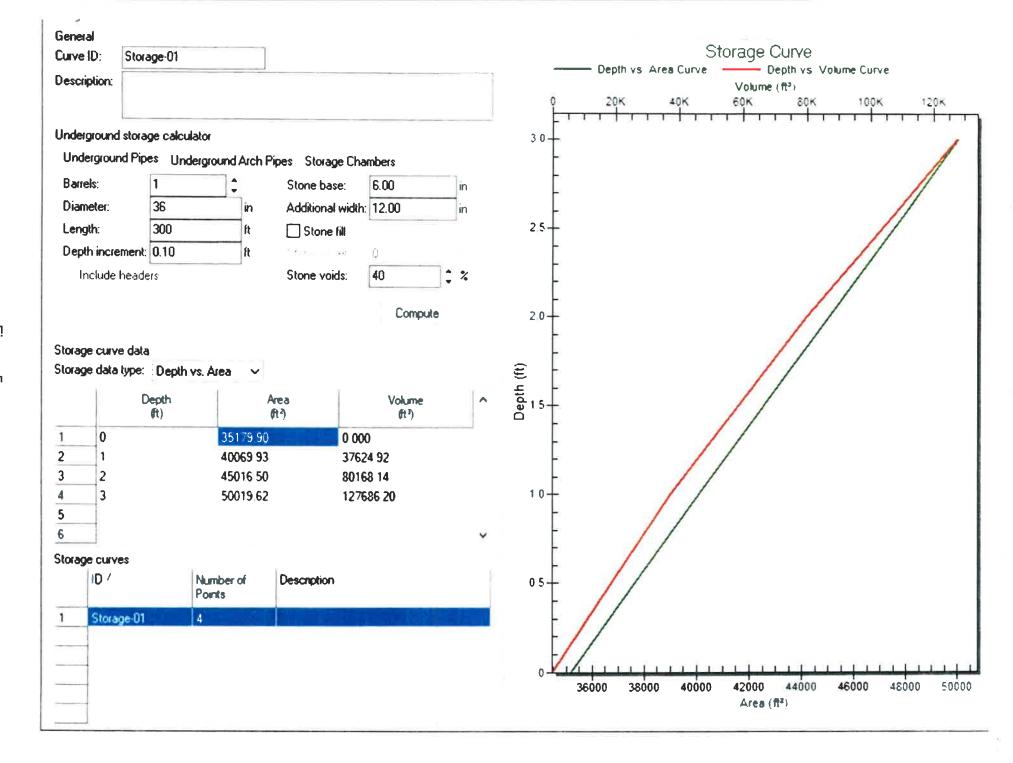
Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

PF tabular | PF graphical | Maps & aerials

PF tabular

| Durotlon | Average recurrence interval (years) | | | | | | | | | |
|----------|-------------------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| Duration | 1 | 2 | 5 | 10 | 25 | 50 | 100 | 200 | 500 | 1000 |
| 5-min | 0.358 (0.305-0.422) | 0.424 (0.361-0.500) | 0.536 (0.454-0.634) | 0.632 (0.532-0.750) | 0.768 (0.627-0.943) | 0.877 (0.698-1.09) | 0.990 (0.760-1.25) | 1.11 (0.814-1.44) | 1.27 (0.894-1.69) | 1.39 (0.955-1.87 |
| 10-min | 0.524 (0.446-0.617) | 0.621 | 0.785 | 0.925 | 1.13 (0.918-1.38) | 1.29 (1.02-1.59) | 1.45 | 1.62 | 1.86 (1.31-2.47) | 2.04 |
| 15-min | 0.638 (0.544-0.753) | 0.757 (0.644-0.893) | 0.957 (0.811-1.13) | 1.13 (0.951-1.34) | 1.37 (1.12-1.68) | 1.57 (1.25-1.94) | 1.77 (1.36-2.24) | 1.98 (1.45-2.57) | 2.26 (1.60-3.01) | 2.48 (1.71-3.34) |
| 30-min | 0.940 (0.801-1.11) | 1.12 (0.953-1.32) | 1.42 (1.21-1.68) | 1.68 (1.42-2.00) | 2.05 (1.67-2.51) | 2.34 (1.86-2.90) | 2.63 (2.02-3.34) | 2.94 (2.16-3.82) | 3.36 (2.37-4.47) | 3.69 (2.53-4.96) |
| 60-min | 1.23 (1.05-1.45) | 1.48 (1.26-1.75) | 1.91 (1.62-2.26) | 2.29 (1.93-2.72) | 2.83 (2.32-3.49) | 3.28 (2.61-4.08) | 3.74 (2.87-4.75) | 4.22 (3.11-5.49) | 4.89 (3.46-6.52) | 5.43 (3.72-7.30) |
| 2-hr | 1.52 (1.30-1.78) | 1.84 (1.58-2.16) | 2.40 (2.05-2.82) | 2.90 (2.46-3.41) | 3.62 (2.98-4.44) | 4.21 (3.38-5.22) | 4.84 (3.75-6.12) | 5.50 (4.08-7.12) | 6.43 (4.58-8.52) | 7.17 (4.95-9.58) |
| 3-hr | 1.68 (1.45-1.96) | 2.04 (1.76-2.38) | 2.68 (2.30-3.14) | 3.25 (2.77-3.82) | 4.11 (3.41-5.04) | 4.82 (3.89-5.96) | 5.58 (4.34-7.05) | 6.39 (4.77-8.27) | 7.54 (5.40-9.98) | 8.47 (5.88-11.3) |
| 6-hr | 1.98 (1.72-2.29) | 2.37 (2.05-2.74) | 3.08 (2.66-3.57) | 3.73 (3.20-4.35) | 4.74 (3.98-5.81) | 5.60 (4.57-6.91) | 6.54 (5.14-8.23) | 7.56 (5.68-9.73) | 9.01 (6.51-11.9) | 10.2 |
| 12-hr | 2.29 (2.00-2.63) | 2.66 (2.32-3.06) | 3.36 (2.92-3.87) | 4.02 (3.47-4.65) | 5.05 (4.28-6.15) | 5.94 (4.89-7.29) | 6.92 (5.48-8.67) | 8.00 (6.07-10.3) | 9.56 (6.96-12.5) | 10.8 |
| 24-hr | 2.62 (2.31-2.99) | 2.98 (2.62-3.40) | 3.65 (3.20-4.18) | 4.31 (3.75-4.95) | 5.36 (4.58-6.49) | 6.27 (5.20-7.65) | 7.29 (5.82-9.07) | 8.41 (6.43-10.7) | 10.1 (7.37-13.1) | 11.4 |
| 2-day | 2.96 (2.62-3.35) | 3.37 (2.98-3.82) | 4.13 (3.65-4.70) | 4.85 (4.25-5.53) | 5.96 (5.12-7.14) | 6.92 (5.77-8.35) | 7.97 (6.40-9.82) | 9.12 (7.01-11.5) | 10.8 | 12.1 (8.65-15.7) |
| 3-day | 3.22 (2.87-3.64) | 3.69 (3.28-4.16) | 4.52 (4.01-5.12) | 5.29 (4.66-6.01) | 6.47 (5.55-7.68) | 7.46 (6.23-8.93) | 8.53 (6.87-10.4) | 9.69 | 11.3 (8.39-14.6) | 12.7 |
| 4-day | 3.47 (3.09-3.90) | 3.96 (3.53-4.46) | 4.84 (4.30-5.46) | 5.64 (4.98-6.39) | 6.85 (5.89-8.08) | 7.85 (6.57-9.36) | 8.93 | 10.1 (7.80-12.6) | 11.7 (8.71-15.0) | 13.1 (9.39-16.8) |



TSL Carter Lake

2614 N. 5th Street

Carter Lake, Pottawattamie County, Iowa Section 20, Township 75 N, Range 44 W

Final Development Plans

Sheet List Table Sheet Number Sheet Title Title Sheet **General Layout** Dimension Plan Grading Plan Section View Landscape Plan Lighting Plan

Description:

That part of Lot 16, in Auditor's Subdivision of Section 20, Township 75, Range 44 West of the 5th P.M. in Pottawattamine County, Iowa, described as follows: Beginning at the Northwest Corner of the intersection of Fifth Street and Avenue H in said section, thence North 376 feet; thence West 464 feet, thence South 376 feet, thence East along the North line of Avenue H to the point of beginning, except that part acquired by City of Carter Lake, for right of way purposes.

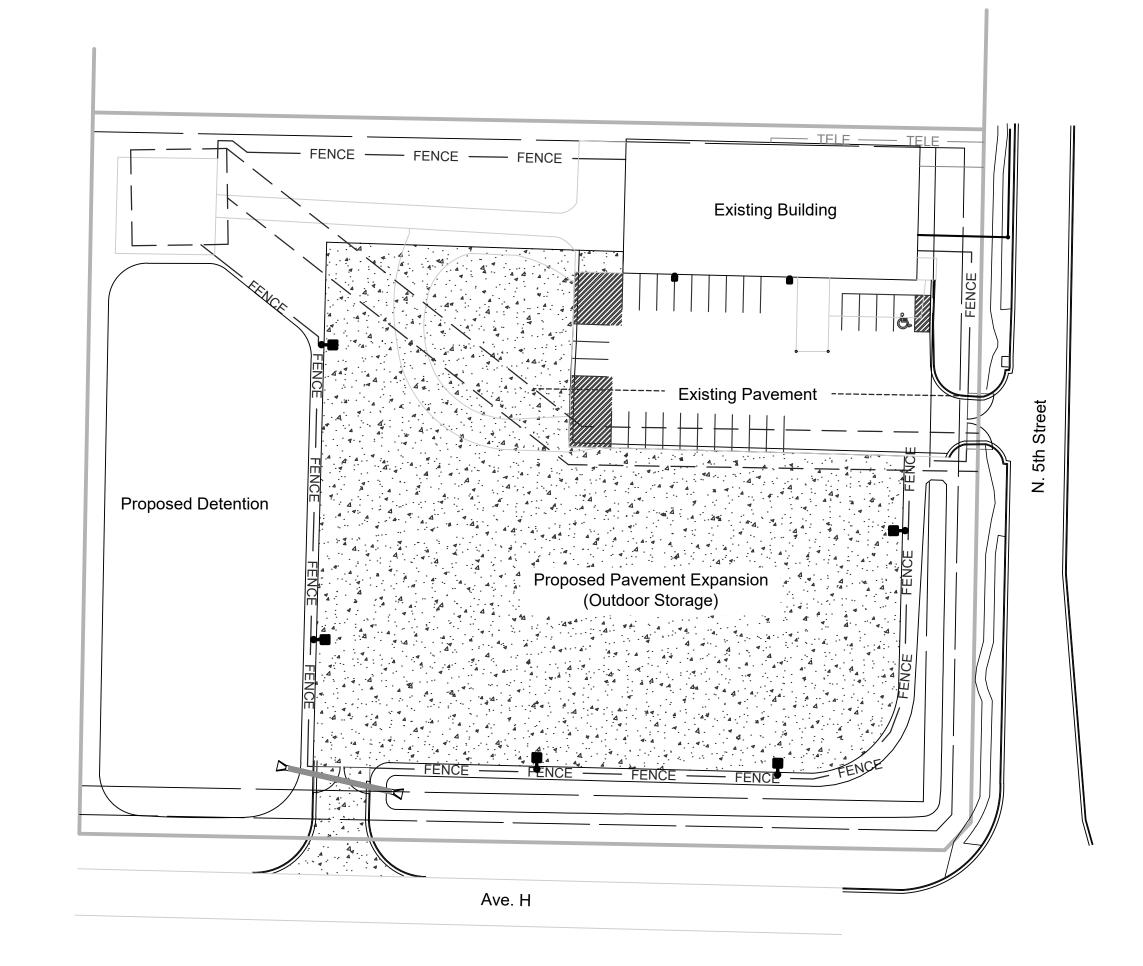
Performance Points:

Per Section 1403 of the Zoning District Regulations, this property is subject to the Performance Points System. This property achieves the 30 points required as follows:

15 Points-Reduces impervious coverage by 30% below district requirements (51% Site Total) 15 Points-1 point per foot of landscaping provided back from the street property line (190 LF Total)

Site Development Regulations:

| Zoning: | M1 |
|------------------------------|---------|
| Minimum District Size: | 10,000 |
| Minimum Lot Area: | 10,000 |
| Minimum Lot Width: | 100 Ft. |
| Minimum Yards: | |
| Front: | 25 Ft. |
| Side: | 0 Ft. |
| Street Side Yard: | 25 Ft. |
| Rear Yard: | 10 Ft. |
| Maximum Height: | 75 Ft. |
| Maximum Building Coverage: | 70% |
| Maximum Impervious Coverage | e: 90% |
| Floor Area Ratio: | 1.0 |
| Maximum Amount of Total Park | king |
| Located in Street Yard: | 100% |
| Minimum Depth of Landscaping | g |
| Adjacent to Street ROW: | 10 Ft. |
| | |



<u>LEGEND</u>

| | Existing Section Line | | Proposed Right-of-Way |
|----------|----------------------------|-----|---------------------------|
| | Existing Right-of-Way Line | | Proposed Property Line |
| | Existing Lot Line | | Proposed Lot Line |
| | Existing Easement Line | | Proposed Easement |
| | Existing Curb & Gutter | | Proposed Curb & Gutter |
| | Existing Sidewalk | | Proposed Sidewalk |
| | Existing Storm Sewer | ST | Proposed Storm Sewer |
| 0 | Existing Storm Structure | | Proposed Storm Structure |
| | Existing Waterline | А | Proposed Fire Hydrant |
| 0A8 0A8 | Existing Gas Main | w/L | Proposed Waterline |
| | Existing Sanitary Sewer | SS | Proposed Sanitary Sewer |
| S | Existing Sanitary Manhole | 6 | Proposed Sanitary Manhole |
| | Existing Contour Major | | Proposed Contour Major |
| | Existing Contour Minor | | Proposed Contour Minor |
| | | | Future Curb and Gutter |
| /E | Utility Easement | | |
| /E | Sanitary Sewer Easement | A/E | Access Easement |
| /E | Drainage Easement | T/E | Temporary Easement |
| | | | |

OWNER/DEVELOPER

Hastings Family Holdings, LLC 10001 S. 152nd St. Omaha, NE 68138

CONSULTANT Patrick Cassity Renaissance Infrastructure Consulting 8653 Penrose Lane, Lenexa, KS., 66219

816.800.0950

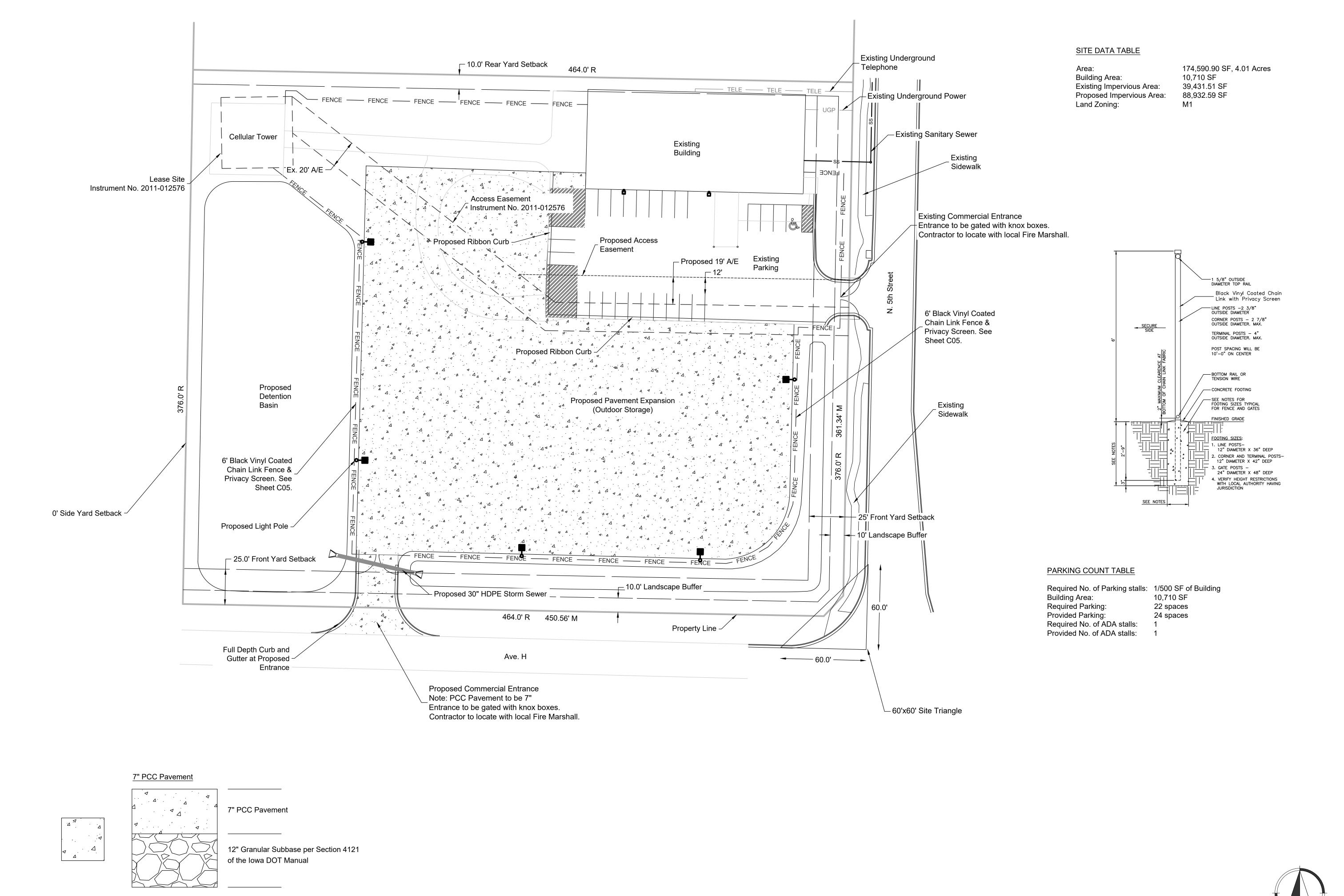


Sheet

12/3/2021 Per City Comments

REVISION

Sheet



1"=30' 0 15' 30'

Sheet C02

12/3/2021 Per City Comments

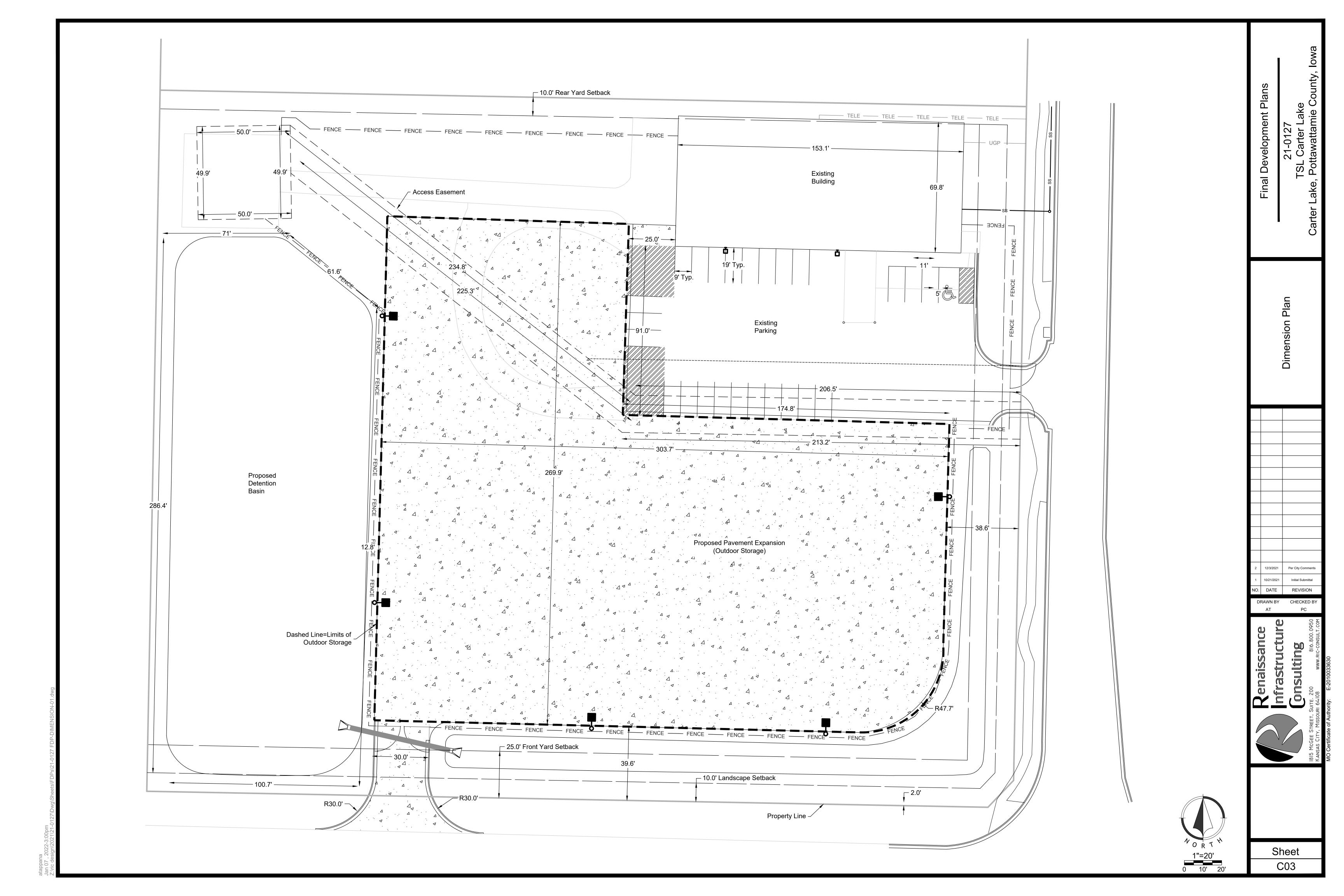
Initial Submittal

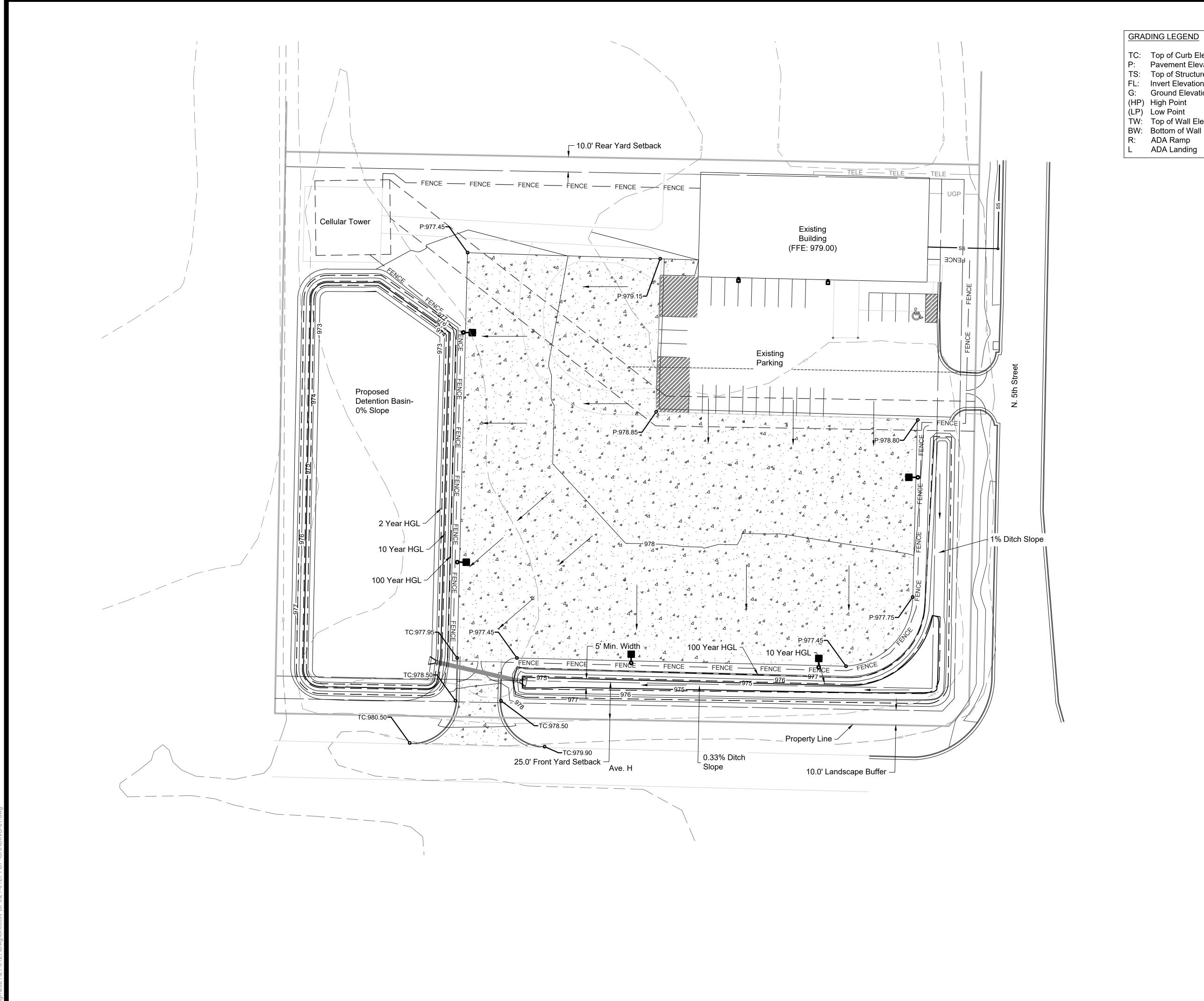
REVISION

CHECKED BY

Development

21-0127 TSL Carter L Pottawattam





TC: Top of Curb Elevation
P: Pavement Elevation
TS: Top of Structure Elevation
FL: Invert Elevation
G: Ground Elevation
(HP) High Point
(LP) Low Point
TW: Top of Wall Elevation
BW: Bottom of Wall Elevation
R: ADA Ramp
L ADA Landing

A Per City Comments

1 10/21/2021 | Initial Structure

NO. DATE REVISION

DRAWN BY CHECKED BY

AT PC

8 16.800.0950 | 8 16.800.0950 | 8 16.800.0950 |

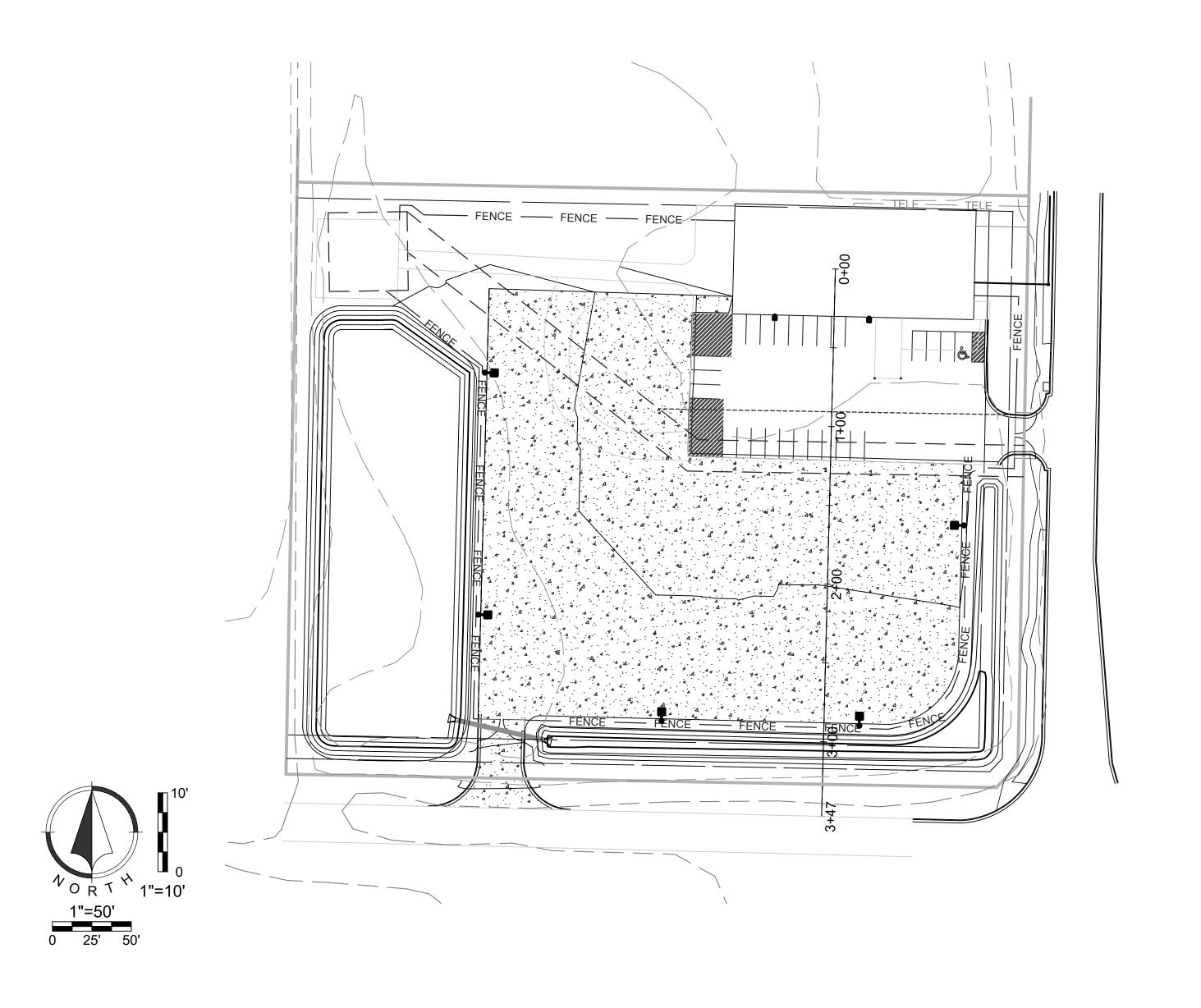
KANSAS CITY, MISSOURI 64108 | WWW.RIC-CONSULT.COM

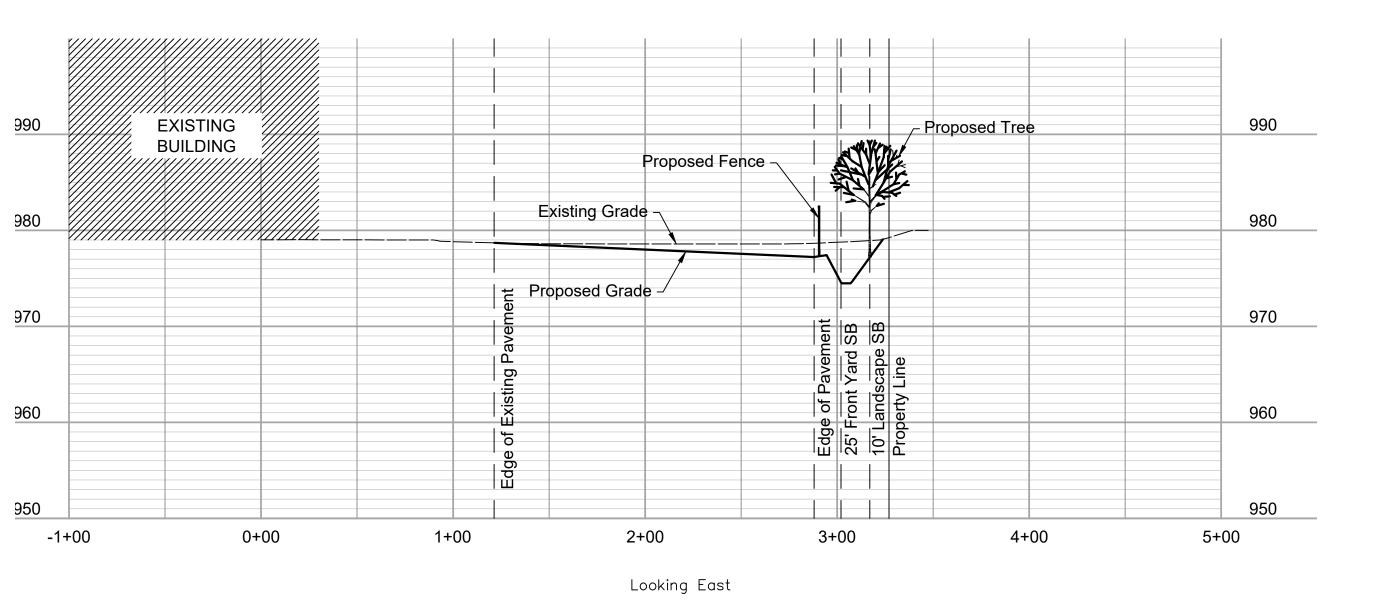
Final Development Plans

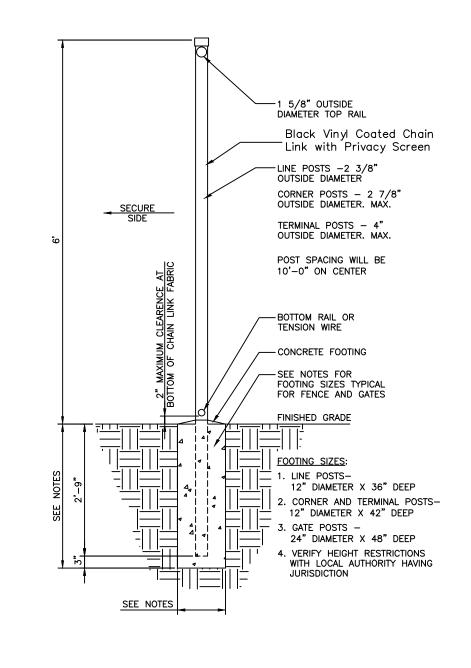
21-0127 TSL Carter L , Pottawattam

1"=30' 0 15' 30'

Sheet C04







Development Plans

Final

Section View

21-0127 TSL Carter Lake



Privacy Screen on Perimeter Fence

Renaissance

IBI5 MCGEE STREET, SUITE. 200
KANSAS CITY, MISSOURI 64108

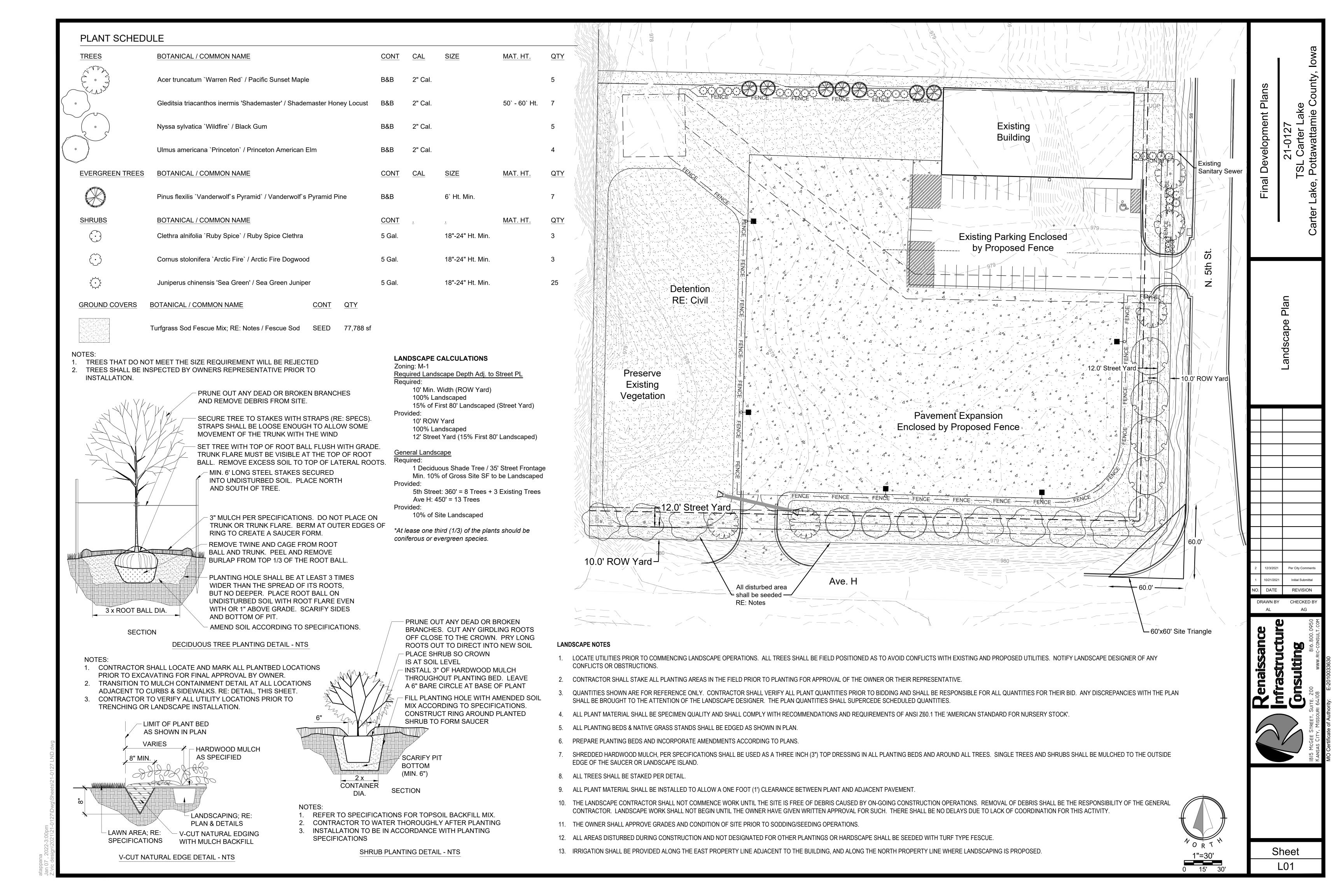
MO Certificate of Authority: E-2010033630

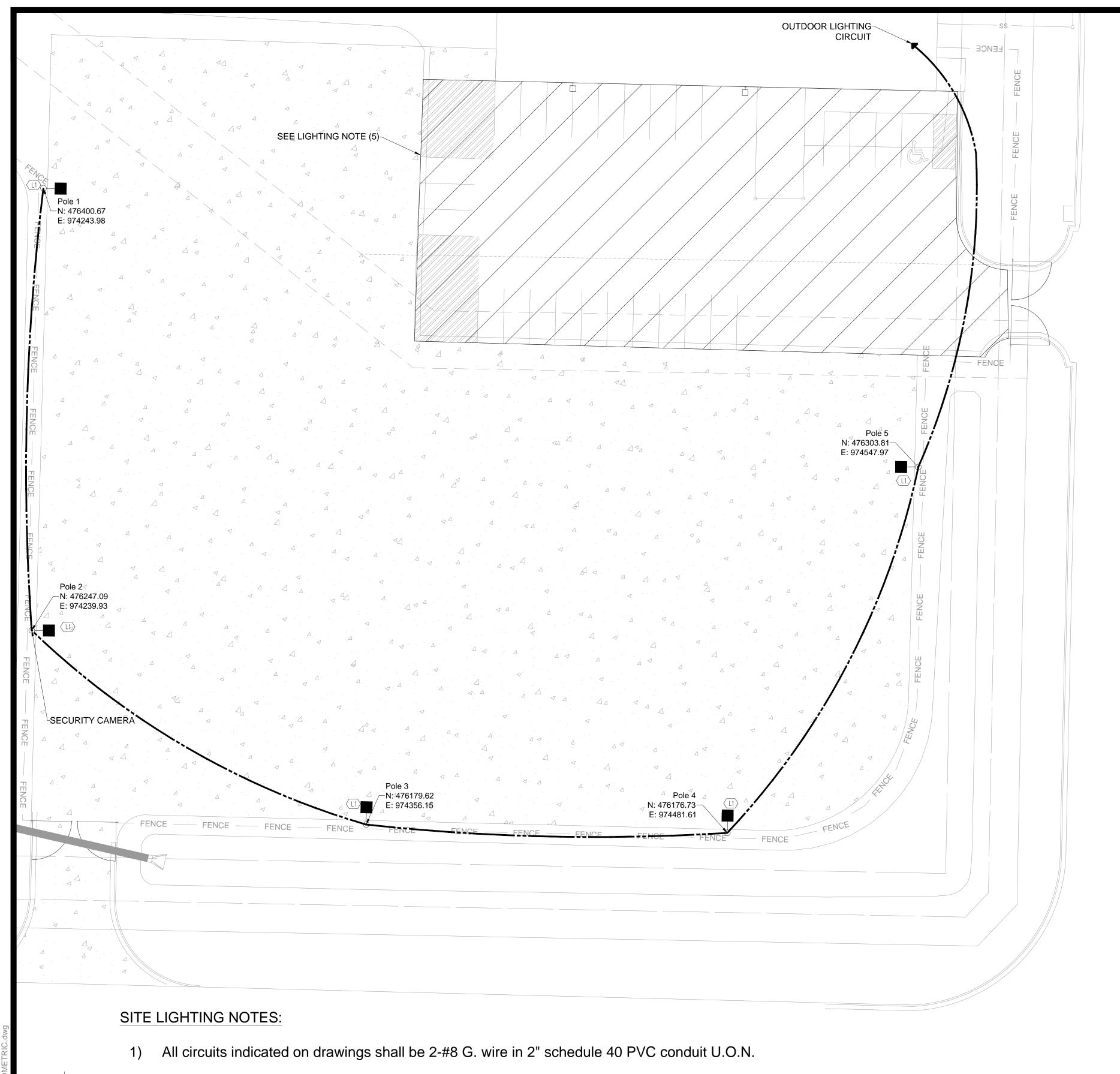
12/3/2021 Per City Comments

Initial Submittal

Sheet C05

Jan 07 , 2022-3:00pm Z:\ric design\2021\21-0127\Dwg\Sheets\FDPs\21-01





- 2) A ground conductor sized per N.E.C. article 250 is required in all power, receptacle, and lighting circuits. Ground conductors are not shown on drawings.
- Wiring shall be in accordance with the National Electrical Code (NEC), 2011 Edition and/or applicable local, state, and utility company rules, laws, and accordances
- Pole shall be Hubbell RTS-H-35-80-A-2-BLT or approved alternative.
- 5) Parking lot to be lit by existing building mounted lighting fixtures.

| LUMINAIRE SCHEDULE | | | | | | | |
|--------------------|--------|----------|--|---------|----------|--------------------|----------------------|
| CALLOUT | SYMB0L | QUANTITY | MODEL | WATTAGE | MOUNTING | MOUNTING HEIGHT | LAMP DEPRECIATION |
| L1 | 0— | 5 | HUBBELL OUTDOOR, RAR-2-480L-210-4K7-4-BC | 210 W | POLE | 35 FT. | 0.9 |

FEATURES

- \bullet Low profile LED area/site luminaire with a variety of IES distributions for lighting applications such as retail, commercial and campus parking lots
- Featuring Micro Strike Optics which maximizes target zone illumination with
- minimal losses at the house-side, reducing light trespass issues Visual comfort standard
- Compact and lightweight design with low EPA
- 3G rated for high vibration applications including bridges and overpasses
- Control options including photo control, occupancy sensing, NX Distributed
- Intelligence™ and 7-Pin with networked controls • Best in class surge protection available







13.5-24 (6.1-10.9)







Sheet

enaissance

CONTROL TECHNOLOGY







RAR2 EPA

| KEY DATA | | | | | |
|--------------------------------|--------------|--|--|--|--|
| Lumen Range | 3,000–48,000 | | | | |
| Wattage Range | 25–340 | | | | |
| Efficacy Range (LPW) | 118–155 | | | | |
| Fixture Projected Life (Hours) | 170>60K | | | | |

SPECIFICATIONS

retrofit applications

Weights lbs. (kg)

CONSTRUCTION

- Rectilinear form mimics the traditional shoebox form factor keeping a similar but updated style and appearance, ideal for
- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 80, 160, 320 or 480 midpower LEDs 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt

Field rotatable optics

- INSTALLATION Standard square arm mount, compatible with B3 drill pattern
- Optional universal mounting block for eas of installation during retrofit applications. Available as an option or accessory for square and round poles.
- Knuckle arm fitter option available for 2-3/8" OD tenon. Max tilt of 60 degrees with 4 degree adjustable increments. (Restrictions apply for 7-pin options)

Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz

ELECTRICAL (CONTINUED)

- 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 20kA protection meeting ANSI/ IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device

CONTROLS

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

is compromised

- 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, must specify lead length)
- SiteSync™ wireless control system is available via 7-pin See ordering information and details at: www.hubbelllighting.com/sitesync NX Distributed Intelligence[™] available with

in fixture wireless control module, features

dimming and occupancy sensor • wiSCAPE® available with in fixture wireless control module, features dimming and occupancy sensor via 7-pin

CERTIFICATIONS

- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations.
- Please refer to the DLC website for specific product qualifications at www.designlights.org
- 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 Fixture is IP66 rated
- Meets IDA recommendations using 3K CCT
- This product qualifies as a "designated country construction material" per FAR 52.225-11 Buy American-Construction

Materials under Trade Agreements effective

04/23/2020. See Buy American Solutions

configuration at 0 degrees of tilt

- 5 year limited warranty
- See <u>HLI Standard Warranty</u> for additional information

-TERMINATE 1#6 BARE COPPER ON GROUND LUG INSIDE POLE HAND HOLE -BOLT LENGTH & DIAMETER AS REQUIRED BY POLE MANUFACTURER. BOLT SPACING AS REQUIRED TO FIT BASE BOLT CIRCLE. #3 TIE BARS @12" O.C. VERT. ENTIRE DEPTH OF PIER 3 #4 BARS WITHIN TOP -4000 LB CONCRETE 1'-0" OF PIER -8 #6 VERT BARS EQUALLY SPACED TO MISS CONDUITS 1#6 BARE COPPER IN CONDUIT GROUND CLAMP -PVC CONDUIT THRU BASE (TYPICAL) 5/8"x8'-0" COPPERCLAD #3 TIE BARS @ GROUND ROD 12"O.C. VERT. + |-- |-- | ENTIRE DEPTH OF PIER 3" CLEAR COVER (TYP.)

POLE FOUNDATION DETAIL

SCALE: NONE

1"=20' 0 10' 20'