Polk County Zoning Commission Monday, January 25, 2021 Staff Report



## Forest Ridge Estates – Preliminary Plat

## **Applicants:**

Blessman International, Inc. (Property Owner)
PAR Partners, LLC – represented by Tom Davies (Developer)
Snyder & Associates, Inc. (Project Engineer/Surveyor)

#### Request:

Preliminary plat approval of a major subdivision plat creating 17 new single-family residential lots

#### **Legal Description:**

Approximately 32.69 acres located within the SW ¼ of Section 17, Township 80 North, Range 24 West of the 5<sup>th</sup> P.M., Polk County, Iowa (Crocker Township).

#### **General Location:**

4200 NW 98<sup>th</sup> Avenue, Polk City; southwest corner of NW Polk City Drive (Hwy 415) and NW 98<sup>th</sup> Avenue, being approximately one and one-quarter (1¼) miles south/southeast of Polk City and directly west of the City of Ankeny.

#### **Existing Zoning:**

"RR" Rural Residential District

# **Surrounding Zoning:**

North "RR" Rural Residential District

**South** "RR" Rural Residential District / "OS" Open Space District

**East** "RR" Rural Residential District / City of Ankeny

West "RR" Rural Residential District

## **GENERAL COMMENTS:**

This preliminary plat proposes 17 new single-family residential lots on approximately 32.69 acres zoned "RR" Rural Residential District. The subject property includes the existing parcel and residence at 4200 NW 98<sup>th</sup> Avenue, Polk City, as well as the adjacent parcel to the west which contains mature trees and open space. These existing properties are owned by Blessman International, Inc. The developer is also in the process of purchasing a 100-foot wide strip of ground adjacent to the east out of the existing farmland owned by Connie Koch. Together, these ~32.69 acres comprise of the subject property and total development area. The proposed 17 lots will be served by a combination of existing public road frontage along NW 98<sup>th</sup> Avenue to the north, a new short cul-de-sac roadway extending south from NW 98<sup>th</sup> Avenue into the subject property, as well as short extensions of two (2) existing dead-end public streets, being NW 95<sup>th</sup> Place and NW 41<sup>st</sup> Court, located adjacent to the south within the development of Cherry Glen Ridge Plat 1.

The subject property is located at the southwest corner of NW Polk City Drive (Hwy 415) and NW 98<sup>th</sup> Avenue, being directly west of the City of Ankeny corporate limits where they terminate along NW Polk City Drive (Hwy 415), and approximately one and one-quarter (1¼) miles south/southeast of the Polk City corporate limits. A vicinity map of the subject property and surrounding area can be found at the end of this report as *Attachment A*. The subject property contains an existing single-family dwelling constructed in 1968 as well as an accessory pole building constructed in 1994, according to County records. The house and building are setback several hundred feet from the property's frontage to the north along NW 98<sup>th</sup> Avenue. Surrounding properties are primarily zoned "RR" Rural Residential District and contain existing single-family residences.

The existing subdivision of Cherry Glen Ridge Plat 1 is located directly to the south and contains approximately 20 single-family homes, platted in 2005. Adjacent to the west is the development of Ballard Estates, platted in 1982 and containing approximately 30 single-family homes. Directly north of Ballard Estates, and lying northwest of the subject property, is a newer single-family development known as Lake Ridge Heights Plat 1 platted in 2017. This development contains a 28 single-family lots, some of which are still under construction. There are also a few existing single-family dwellings situated on larger wooded lots north and west of the subject property along NW 98<sup>th</sup> Avenue and NW 44<sup>th</sup> Street. To the east of NW Polk City Drive (Hwy 415) within the City of Ankeny there is continued single-family development at higher densities. To the southwest of the subject property along Saylorville Lake include areas of public open space including campgrounds, boat launch and general recreation areas. Directly adjacent to the east of the subject property is a remnant piece of farm ground that remains in agricultural production and separates the subject property from NW Polk City Drive (Hwy 415). As stated previously, the developer is in the process of purchasing the westerly 100 feet of this adjacent farm ground in order to implement the proposed development concept.

# **STAFF REVIEW:**

#### Lot Configuration/Plat Layout

Attachment B at the end of this report contains the most recent version of the preliminary plat. A total of 17 lots are proposed as well as a single outlot. The developer is utilizing the cluster development option under the property's existing "RR" Rural Residential District zoning to allow for smaller lots. The cluster option reduces the minimum lot size from 40,000 to 20,000 square feet. It also reduces front and rear setbacks from 50 feet to 30 feet and side yard setbacks from 15 feet to 10 feet. In exchange for smaller lots, the developer is required to preserve a minimum of 25% of the entire development area as permanent open space. Outlot 'X' contains the eight (8) acres of open space preservation required to utilize the cluster development option. While the cluster option allows for lots as small as ~0.50 acres, the majority of proposed lots far exceed that size. Seven (7) of the proposed lots are at or around 0.50 acres in size, while the remaining ten (10) lots range in size from 0.80 acres to 4.82 acres in size with most being within the 1 to 2 acre range. The lot widths vary from approximately 100 feet for the smaller ~0.50-acre lots to over 200 feet for the larger lots. There are also a total of four (4) flag lots with approximately 40 feet of frontage each.

Lots 1 thru 9 will be accessed via a new proposed public cul-de-sac street (NW 40<sup>th</sup> Court) extending south from NW 98<sup>th</sup> Avenue into the subject property, and being approximately 350 feet in length. Lots 10 and 11 will front NW 98<sup>th</sup> Avenue to the north with a proposed shared driveway entrance. Lots 12 thru 15 will have frontage and access onto a proposed northerly extension of NW 41<sup>st</sup> Court, which is located within the Cherry Glen Ridge development to the south and terminates in a dead-end at the boundary with the subject property. Lots 16 and 17 are proposed to have frontage and access onto a proposed easterly extension of NW 95<sup>th</sup> Place, also located to the south with Cherry Glen Ridge. NW 41<sup>st</sup> Court and NW 95<sup>th</sup> Place will be extended far enough to provide access to the proposed lots in these areas, but will remain as dead-end streets. The developer will be required to provide adequate emergency vehicle access/turnaround capabilities along NW 41<sup>st</sup> Court and NW 95<sup>th</sup> Place. The plat currently proposes hammerhead turnarounds to meet this requirement. The existing residence will be located on proposed Lot 10. The existing accessory pole building will be located on proposed Lot 4, and become an accessory structure to a future dwelling on that lot.

#### **Neighborhood Access & Adjoining Properties**

The proposed development includes a new short cul-de-sac street, as well as the partial extension of two (2) existing public roadways within the adjacent Chery Glen Ridge development to the south. The subject property and surrounding land includes steep terrain, woodlands as well as existing residential development and open space/public land. The proposed access points and street extensions provide the best possible connectivity given these constraints. NW 95<sup>th</sup> Place may be further extended to the east at such time as the adjacent farm ground develops. NW 41<sup>st</sup> Court may be further extended in the future to a remaining, currently landlocked piece of ground located at the southwestern corner of the subject property. This adjacent landlocked property can be seen on sheet 2 of the preliminary plat, found as *Attachment B* to this report. It is owned by a Michael Canney and is approximately six (6) acres in size.

Mr. Canney was approached by the plat developer regarding the potential inclusion of his property into this development. However, ultimately he decided not to participate in this project. While this property is currently landlocked, the proposed extension of NW 41<sup>st</sup> Court opens the possibility for future access to be provided. In order to meet the intent of the neighborhood access plan provisions of the Subdivision Ordinance, staff requested the developer provide 50% of the public street improvement/extension for NW 41<sup>st</sup> Court in relation to the boundary of this landlocked property, including dedication of future right-of-way. This ensures an equitable cost-sharing outcome if development of this landlocked parcel is desired in the future. Under a future development scenario this adjacent property owner would be responsible for roughly 50% of the cost of the full street extension from its current terminus within the Cherry Glen Ridge development to the south. That future development cost would be proportional to the current cost to extend the street to the property boundary if this property had been included for development at this time. Staff has discussed the proposed development concept and neighborhood access requirements with the adjoining land owner, Mr. Canney.

#### **Natural Resources**

The subject property contains several areas with steep changes in elevation, primarily located along a number of drainageways and ravines throughout the property. The northeastern portion

of the property, where the new cul-de-sac street is proposed, is relatively flat. Additionally, there are areas with more gradual topography located along and outside of the steeper ravines that run throughout the property. There is a high elevation of approximately 950 feet and 970 feet in the northeast corner of the site and along the eastern property boundary, and a low elevation of approximately 890 feet in the southwest corner at the bottom of a large draingeway. Staff has requested the developer/engineer provide a safe slope setback line on the plat for areas with greater than 5:1 slopes. Additionally, plat notes clarify to the developer and future owners that no tree removals, slope modification, fill or construction may occur within these areas without additional geotechnical engineering.

The property contains an existing pond located in the northern area of the property adjacent to the existing house and driveway. The proposed plat improvements include grading work to increase the area and depth of the pond to serve as the required storm water detention for a portion of the development. Additional storm water detention improvements for the remaining portion of the development are proposed further to the south within an existing drainageway. Both detention areas will be located within private easements and required to be continually maintained by the future owner's association. The site contains a significant amount of existing woodlands, including approximately 12.79 acres of mature woodlands and 8.48 acres of young woodlands. A minimum of 75% of all mature woodlands, and 50% of all young woodlands, must be protected. Staff is still working through this issue with the developer and engineer. The latest submittal includes a proposed woodland protection easement to help ensure that the required areas are protected not only during development but long-term after the lots are constructed. The proposed clustering of lots around the cul-de-sac as well as the larger lots and flag lots help minimize the impact upon woodlands and steep slopes throughout the property. In predevelopment meetings with staff, the final proposal for the cul-de-sac street was reduced in length to preserve additional trees.

#### **Roads/Utilities**

NW 98<sup>th</sup> Avenue provides the primary frontage and access to the subject property along the north. NW 98th Avenue is a paved, two-lane local roadway maintained by Polk County. The roadway terminates in a dead-end approximately 600 feet west of the subject property, and provides connection east to NW Polk City Drive (Hwy 415). NW 95<sup>th</sup> Place and NW 41<sup>st</sup> Court are adjacent to the south within the existing development Cherry Glen Ridge, and are proposed to be extended as part of this development. Both streets are paved, two-lane curb and gutter local roads maintained by Polk County. Both streets currently terminate in a dead-end at the Cherry Glen Ridge plat boundary. This development would extend them to serve additional lots, including emergency access turnaround improvements in the form of hammerheads. Public water is available through Des Moines Water Works. An eight-inch (8") water main will be extended along NW 98th Avenue to serve Lots 1 thru 11, including a cross connection between the existing water main along NW 44<sup>th</sup> Street to the northwest and the existing water main along NW Polk City Drive to the east. Lots 12 thru 17 to the south will be served by separate 8" water main extensions brought from within the existing Cherry Glen Ridge development to the south. Sanitary sewer is not available and all lots will be served by individual wastewater treatment systems to be designed and installed at time of future home construction.

#### **Requested Waivers**

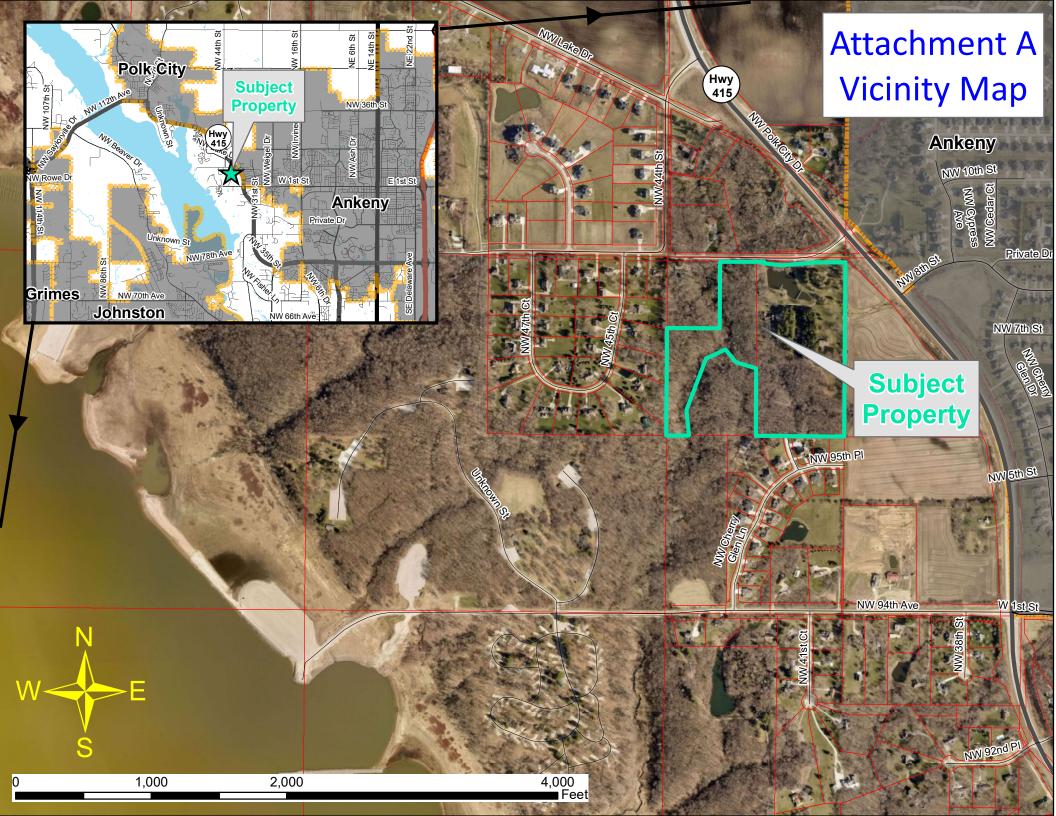
The following waivers are requested from the Subdivision Ordinance based on the proposed layout. The formal waiver request can be found at the end of this report as *Attachment C*.

- A waiver for Lot 5 to the requirement that flag lots not exceed three (3) acres in size in areas without public sanitary sewer. Staff would concur with the rationale provided in the attachment. Both the number of flag lots and required waivers to the flag lot standards have been minimized to the extent possible. The requested waiver for Lot 5 is necessary to help balance the needs of access, adequate buildable area and preservation of natural resources, namely mature woodlands and steep slopes. Attachment C references both Lot 5 and Lot 6, however the latest submittal has been revised so that the waiver for Lot 6 is no longer necessary.
- A waiver to the requirement that ponds shall be held by a single owner or held in common in a Home Owner's Association. The existing pond located in the northern portion of the property will not be contained on a single lot or outlot. The pond will be expanded as part of the plat improvements to serve as required storm water detention, and will also provide an amenity to a portion of the lots within the development on which it will reside (Lots 7 thru 10). Given the natural constraints of the property, namely steep slopes and woodlands, and that the pond is an existing feature, it is not feasible to create a layout which confines the pond to a single lot. The pond will be placed within a private easement and the future owner's association shall be responsible for maintenance.

#### **RECOMMENDATION:**

Staff has reviewed this plat for compliance with the Polk County Zoning and Subdivision Ordinances as a major plat submittal, including a detailed review of lot density, dimensions, access, frontage, natural resource protection, storm water detention, and waivers. At this stage, the Commission's action would affirm, deny, or amend the overall plat layout and the requested waivers. Moving forward, staff will continue to work with the owner and project engineer in resolving remaining comments. Once all comments have been addressed, the preliminary plat may be forwarded to the Board of Supervisors for their approval. Any significant changes to the preliminary plat would require re-approval by the Zoning Commission. Once the preliminary plat has been approved, the final plat may be submitted for staff review. The final plat will not come before the Zoning Commission. The plat falls within the two-mile extraterritorial review jurisdiction of both Johnston and Ankeny. Johnston has communicated that they will not exercise their review authority given that the property lies east of the Des Moines River/Saylorville Lake. The City of Ankeny has been contacted, but no comments received to-date. Ankeny will have to approve the final plat or waive their authority prior to final approval and recording by Polk County.

Staff recommends approval of the Preliminary Plat of Forest Ridge Estates, including the requested waivers from the Subdivision Ordinance. Prior to official approval of the preliminary plat by the Board of Supervisors all remaining staff comments must be addressed. Furthermore, prior to any construction activity, staff will need to review and approve construction plans for all plat improvements, including street and storm sewer design.



# **Attachment B FEATURES** <u>FOUND</u> Section Corner 1/2" Rebar, Cap # 11579 (Unless Otherwise Noted) ROW Market ROW Rail Control Point Bench Mark Platted Distance Measured Bearing & Distance Recorded As **Deed Distance** Calculated Distance Minimum Protection Elevation Centerline Section Line 1/4 Section Line 1/4 1/4 Section Line **Easement Line EXISTING** X 1225.25 Spot Elevation Contour Elevation Fence (Barbed, Field, Hog) Fence (Chain Link) Fence (Wood) Fence (Silt) Tree Line Tree Stump Deciduous Tree \\ Shrub

SCALE: 1"=1000'

NW 98TH AVE

PROJECT LOCATION

IOWA REGIONAL COORDINATE SYSTEM ZONE 8 (AMES-DES MOINES)

AVENUE & HOUSE #4200 DRIVE, NORTH SIDE OF SITE.

GRAVEL DRIVEWAY, NORTHEAST CORNER OF SITE.

1/2" REBAR WITH RED PLASTIC CAP IN DITCH 35' NORTH OF POWER POLE

BETWEEN NW 98TH AVENUE & NW 94TH STREET, NORTHWEST SIDE OF SITE.

MAG NAIL IN ASPHALT RADIUS AT THE SOUTHWEST QUADRANT OF NW 98TH

1/2" REBAR WITH RED PLASTIC CAP 20' SOUTHWEST OF POWER POLE WITH

TRANSFORMER IN THE NORTHEAST QUADRANT OF NW POLK CITY DRIVE &

1/2" REBAR WITH RED PLASTIC CAP 15' WEST OF FENCE & 200' NORTHEAST

TREELINE, & 375' SOUTH OF SHOP BUILDING ON #4200 PROPERTY, CENTER

1/2" REBAR WITH RED PLASTIC CAP 15' EAST OF HYDRANT AT THE EAST END

CUT "X" IN THE NORTHWEST CORNER OF CONCRETE MAILBOX PAD BETWEEN

1/2" REBAR WITH RED PLASTIC CAP 10' EAST OF TREELINE & 150' SOUTH OF

1/2" REBAR WITH RED PLASTIC CAP BETWEEN PINE TREES 150' WEST OF

1/2" REBAR WITH RED PLASTIC CAP 20' NORTHWEST OF NORTHWEST

SHOP BUILDING & 220' SOUTHEAST OF #4200 NW 98TH AVENUE, CENTER OF

CORNER OF POND & 45' SOUTH OF NW 98TH AVENUE, NORTH SIDE OF SITE.

BURY BOLT ON HYDRANT 15' SOUTH OF THE EAST END OF NW 95TH PLACE

CUT "X" IN BACK OF CURB INTAKE AT THE NORTHWEST END OF NW 41ST

#9534 & #9542 NW CHERRY GLEN LANE, SOUTHWEST OF SITE.

SHOP BUILDING ON #4200 PROPERTY, CENTER OF SITE.

OF SHOP BUILDING ON #4200 PROPERTY, NORTHEAST SIDE OF SITE.

1/2" REBAR WITH RED PLASTIC CAP 15' WEST OF FENCE, 10' NORTH OF

NAD83(2011)(EPOCH 2010.00) IARTN DERIVED - US SURVEY FEET

N=7542534.02 E=18510669.34 Z=950.31

N=7542504.09 E=18511591.13 Z=948.35

N=7542739.45 E=18512001.31 Z=962.42

N=7542146.46 E=18511946.69 Z=956.79

N=7541475.48 E=18511938.34 Z=971.37

N=7540941.95 E=18511996.60 Z=986.32

N=7541190.66 E=18511530.62 Z=970.83

COURT, SOUTHWEST SIDE OF SITE.

N=7540887.96 E=18511501.02 Z=973.68

N=7541718.34 E=18511777.26 Z=958.08

N=7542457.13 E=18511394.88 Z=945.76

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88 - GEOID12A)

CP10 N=7541883.94 E=18511613.96 Z=956.70

BENCHMARKS

IARTN DERIVED - US SURVEY FEET

BM500 N=7540956 E=18511966 ELEV=987.53

OF NW 95TH PLACE, SOUTH SIDE OF SITE.

**CONTROL POINTS** 

NW 98TH AVE

NW 94TH AVE

**VICINITY MAP** 

NW 92ND PL

NW 98TH AVE

# Test Hole Location for SUE w/ID

Coniferous Tree \\ Shrub

Overhead Communication

High Pressure Gas Main with

Underground Electric

Overhead Electric

Gas Main with Size

Duct Bank

Satellite Dish

Sprinkler Head

Irrigation Control Valve

Mailbox

Water Main with Size

Sanitary Sewer with Size

Communication

| (*) Denotes the survey quality se | ervice level for utilities |                  |
|-----------------------------------|----------------------------|------------------|
| Sanitary Manhole                  |                            | <b>Ø</b>         |
| Storm Sewer with Size             | —— ST(*) —— ——             | <u>——sī</u>      |
| Storm Manhole                     | $\underline{\varnothing}$  | 0                |
| Single Storm Sewer Intake         |                            |                  |
| Double Storm Sewer Intake         |                            |                  |
| Fire Hydrant                      | Q                          | •                |
| Fire Hydrant on Building          | $\rightleftharpoons$       | R                |
| Water Main Valve                  | $\bowtie$                  | ×                |
| Water Service Valve               | $\otimes$                  | ❷                |
| Well                              | <b>W</b>                   | ₩                |
| Utility Pole                      | <del></del>                | <del></del>      |
| Guy Anchor                        | $ \uparrow $               | $oldsymbol{	au}$ |
| Utility Pole with Light           | 0-4                        | Õ-≪              |
| Utility Pole with Transformer     | <del>-</del>               | <del>-</del>     |
| Street Light                      |                            | D-≪-             |
| Yard Light                        | Ø                          | Ø                |
| Electric Box                      | EB                         | EB               |
| Electric Transformer              | E                          | E                |
| Traffic Sign                      |                            |                  |
| Communication Pedestal            | C                          | C                |
| Communication Manhole             | ©                          | ©                |
| Communication Handhole            | C                          | C                |
| Fiber Optic Manhole               | €                          | <b>(</b>         |
| Fiber Optic Handhole              | FO                         | FO               |
| Gas Valve                         | ÞG⊲                        | •G•              |
| Gas Manhole                       | <b>©</b>                   | ©                |
| Gas Apparatus                     | G                          | G                |
| Fence Post or Guard Post          | •                          | •                |
| Underground Storage Tank          | (UST)                      |                  |
| Above Ground Storage Tank         | (AST)                      |                  |
| O:                                |                            |                  |

—— OC(\*) —— —

—— FO(\*) —— —

—— E(\*) —— ——

—— OE(\*) —— ——

— DUCT(\*) — — —

\_\_\_\_FO\_\_\_\_

\_\_\_\_\_ DUCT \_\_\_\_\_

# UTILITY QUALITY SERVICE LEVELS

QUALITY LEVELS OF UTILITIES ARE SHOWN IN THE PARENTHESES WITH THE UTILITY TYPE AND WHEN APPLICABLE, SIZE. THE QUALITY LEVELS ARE BASED ON THE CI / ASCE 38-02 STANDARD QUALITY LEVEL (D) INFORMATION IS DERIVED FROM EXISTING UTILITY

RECORDS OR ORAL RECOLLECTIONS. QUALITY LEVEL (C) INFORMATION IS OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE-GROUND UTILITY FEATURES AND USING PROFESSIONAL JUDGMENT IN CORRELATING THIS INFORMATION WITH

QUALITY D INFORMATION. QUALITY LEVEL (B) INFORMATION IS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO

DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION OF SUBSURFACE UTILITIES. QUALITY LEVEL (A) IS HORIZONTAL AND VERTICAL POSITION OF

UNDERGROUND UTILITIES OBTAINED BY ACTUAL EXPOSURE OR VERIFICATION OF PREVIOUSLY EXPOSED SUBSURFACE UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

# UTILITY WARNING

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN COMPRISE ALL SUCH ITEMS IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES OR SUBSURFACE FEATURES SHOWN ARE IN THE EXACT LOCATION INDICATED EXCEPT WHERE NOTED AS QUALITY LEVEL A.

# FOREST RIDGE ESTATES

# **MAJOR PRELIMINARY PLAT - 2021**

PARCEL 2020-206, AS FILED IN THE POLK COUNTY RECORDER'S OFFICE, BEING A PART OF THE EAST 1/2 OF THE SOUTHWEST 1/4 OF SECTION 17, TOWNSHIP 80 NORTH, RANGE 24 WEST OF THE 5TH P.M., POLK COUNTY, IOWA.

THE EAST 1/2 OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 17. TOWNSHIP 80 NORTH, RANGE 24 WEST OF THE 5 TH P.M., POLK COUNTY,

# SUBJECT TO LEGALLY ESTABLISHED HIGHWAYS

ALSO, THE WEST HALF (W1/2) OF THE NORTHWEST QUARTER (NW1/4) OF THE 7. SOUTHWEST QUARTER (SW1/4) OF SECTION SEVENTEEN (17), TOWNSHIP EIGHTY (80) NORTH, RANGE TWENTY-FOUR (24) WEST OF THE 5 HP.M., POLK COUNTY, IOWA EXCEPT LEGALLY ESTABLISHED ROADS AND HIGHWAYS; AND EXCEPT THE TWO PARCELS OF LAND DESCRIBED BELOW AND SUBJECT TO AN EASEMENT TO PARCEL 1 FOR A DRIVEWAY:

# PARCEL 1

A PARCEL BEGINNING AT THE SOUTHEAST CORNER OF SAID W1/2 OF THE NW1/4 OF THE SW1/4 OF SECTION 17, THENCE NORTH 498.0 FEET ON THE EAST LINE THEREOF; THENCE N73 DEG. 06'W 155.0 FEET; THENCE N40 DEG. 19W 123.0 FEET; THENCE S06 DEG. 29'E 188.7 FEET; THENCE N89 DEG. 21'E 286.7 FEET; THENCE S89 DEG. 26'E 205.8 FEET TO THE POINT OF BEGINNING, CONTAINING 6.01 ACRES, MORE OR LESS, AND EXCEPT LEGALLY ESTABLISHED ROADS AND HIGHWAYS.

COMMENCING AT THE NORTHWEST CORNER OF THE WEST 1/2 OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4; THENCE EAST 388 FEET, THENCE SOUTH 525 FEET THENCE WEST 388 FEET, THENCE NORTH 525 FEET, TO THE POINT OF BEGINNING; SUBJECT TO EASEMENTS, RESTRICTIONS, AND UNPAID TAXES OF RECORD

FRONT: 30' MIN.

SIDE: 10' MIN.

REAR: 30' MIN.

MAXIMUM BUILDING HEIGHT = 35'

MAXIMUM BUILDING COVERAGE = 30%

DEVELOPMENT PHASING

PHASE 1: LOTS 1-11 AND STREET LOT A

PHASE 2: LOTS 12-15 AND STREET LOT B

PHASE 3: LOTS 16-17 AND STREET LOT C

ZONE X - MINIMAL FLOOD HAZARD AREA

ZONING CLASSIFICATION

RR - RURAL RESIDENTIAL DISTRICT

FEMA CLASSIFICATION

PANEL NUMBER 19153C0185F

EFFECTIVE FEBRUARY 1, 2019

MINIMUM LOT WIDTH = 100'

OWNER **BULK REGULATIONS** BLESSMAN INTERNATIONAL, INC. MINIMUM LOT AREA = 20.000 SF 4200 NW 98TH AVE YARD SETBACKS:

PHONE: (515) 249-9722 CONNIE R. KOCH (PARCEL 2020-206) 525 NW STATE STREET ANKENY, IOWA 50023-1433

# DEVELOPER

PHONE: (515) 964-3813

POLK CITY, IOWA 50226

PAR PARTNERS, LLC 317 S ANKENY BLVD ANKENY, IOWA 50023 **CONTACT: TOM DAVIES** PHONE: (515) 964-2814

# ENGINEER/SURVEYOR

SNYDER & ASSOCIATES, INC. 2727 SW SNYDER BLVD ANKENY, IOWA 50023 CHAD D. DEVORE, P.E. ERIN D. GRIFFIN, P.L.S. (515) 964-2020

# PLAT AREA 32.69 ACRES (1,424,191 SF)

# DEVELOPMENT OPTION **CLUSTER DEVELOPMENT**

# EXISTING PROPERTY ADDRESS

4200 NW 98TH AVE POLK CITY, IA 50226

# UTILITY CONTACT INFORMATION

UTILITY CONTACT FOR MAPPING INFORMATION SHOWN AS RECEIVED FROM THE IOWA ONE CALL DESIGN REQUEST SYSTEM, TICKET NUMBER 552006403.

G1-GAS MAIN OE1-OVERHEAD ELECTRIC UE1-UNDERGROUND ELECTRIC

MIDAMERICAN ENERGY CRAIG RANFELD 515-252-6632 MECDSMDesignLocates@midamerican.com

onecallmaps@dmww.com

W1-WATER MAIN CITY OF ANKENY SHAWN BUCKNER

515-963-3524 sbuckner@ankenyiowa.gov

W2-WATER MAIN DES MOINES WATER WORKS JANA HODGES 515-283-8729

FO1-FIBER OPTIC **AUREON NETWORK SERVICES** JEFF KLOCKO 515-830-0445

jeff.klocko@aureon.com CO1-COMMUNICATION CENTURYLINK

> TOM STURMER 303-453-9927 thomas.sturmer@centurylink.com

# SHEET INDEX

C100 MAJOR PRELIMINARY PLAT - 2021 TITLE SHEET

C200 MAJOR PRELIMINARY PLAT - 2021 OVERALL SITE LAYOUT

C300 MAJOR PRELIMINARY PLAT - 2021 LAYOUT PLAN

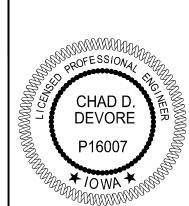
C400 MAJOR PRELIMINARY PLAT - 2021 GRADING PLAN

C500 MAJOR PRELIMINARY PLAT - 2021 UTILITY PLAN

POLK COUNTY GENERAL NOTES

SOURCE OF WATER SUPPLY - DES MOINES WATER WORKS

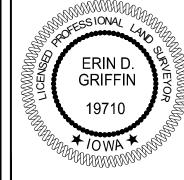
- MAILBOXES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE OF A BREAKAWAY DESIGN
- FUTURE DEVELOPMENT OF THE PROPERTY IS SUBJECT TO ARTICLE 7. SECTION 4. "NATURAL RESOURCE PROTECTION. WOODLANDS" OF THE POLK COUNTY ZONING CODE, WHICH PRESERVES WOODED AREAS OF THE PROPERTY. THERE ARE 21.27 ACRES OF MATURE WOODLANDS REQUIRING A MINIMUM PROTECTION OF 15.95 ACRES. THE PROPOSED REMOVAL
- ANY SUBSURFACE DRAINAGE FACILITIES THAT ARE DISTURBED MUST BE RESTORED OR REROUTED BY THE PROPERTY
- SERVICES TO ALL UTILITIES LOCATED ON THE OPPOSITE SIDE OF THE ROADWAY MUST BE BORED UNDER THE ROADWAY
- MAINTENANCE OF ALL DRAINAGE EASEMENTS TO BE THE RESPONSIBILITY OF THE PROPERTY OWNER.
- CULVERTS TO BE USED FOR CROSSING DRAINAGE FASEMENTS MUST BE DESIGNED BY A LICENSED PROFESSIONAL
- STREET LOT A, STREET LOT B, STREET LOT C, AND STREET LOT D SHALL BE DEDICATED TO POLK COUNTY FOR ROADWAY PURPOSES AT SUCH TIME THE ROADWAY HAS BEEN IMPROVED AND ACCEPTED INTO THE POLK COUNTY SECONDARY ROAD SYSTEM BY THE POLK COUNTY BOARD OF SUPERVISORS.
- POST DEVELOPMENT RUNOFF WILL NOT ADVERSELY AFFECT DOWNSTREAM DRAINAGE FACILITIES OR PROPERTY
- RELOCATION OF ANY ENTRANCE OR UTILITY TO CONFORM TO THE REQUIREMENTS OF THIS PLAT WILL BE AT THE **DEVELOPER'S EXPENSE**
- 10. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO APPLY FOR AND OBTAIN ANY STORM WATER DISCHARGE PERMITS FROM THE IOWA DEPARTMENT OF NATURAL RESOURCES.
- POLK COUNTY DOES NOT REQUIRE OR ISSUE PERMITS FOR SIDEWALKS AND DOES NOT ACCEPT THE LIABILITY AND/OR RESPONSIBILITY FOR CONSTRUCTION PLACEMENT, REPAIR, OR MAINTENANCE THEREOF OF ANY STREET SIDEWALK INSTALLED IN THE PLAT BY ANY HOME OWNER
- GRADING CONTRACTOR WILL BE REQUIRED TO PROVIDE A 4-YEAR MAINTENANCE BOND FOR EROSION CONTROL. THE IDNR
- DETENTION FOR LOTS 1 THRU 4. 7 THRU 9 AND THE PORTION OF LOTS 5. 6 AND 10 THAT CONVEYS RUNOFF TO THE DETENTION POND AND DETENTION OUTLET FACILITIES. A COMMON PRIVATE STORMWATER DETENTION BASIN IS PROPOSED WITHIN LOTS 5. 6. 13 AND 14 THAT WILL PROVIDE DETENTION FOR LOTS 12 THRU 14 AND THE PORTION OF LOTS 5. 6 AND 15 THRU 17 THAT CONVEY'S RUNOFF TO THE PROPOSED BASIN. THE HOMEOWNERS ASSOCIATION WILL BE RESPONSIBLE FOR THE MAINTENANCE AND REPAIR OF THE DETENTION BASIN AND DETENTION OUTLET FACILITIES
- 14. ACCESS TO EACH LOT IS RESTRICTED TO THE SUBDIVISION ROADS WITH THE EXCEPTION OF LOTS 10 AND 11 WHICH WILL HAVE A SHARED DRIVEWAY CONNECTION TO EXISTING NW 98TH AVENUE.
- 15. DUE TO SOIL TYPES, LIMITATIONS, AND DISTURBANCE, ALTERNATIVE SEPTIC SYSTEMS MAY BE REQUIRED. SEWER SERVICE TO BE PROVIDED VIA INDIVIDUAL ON-SITE WASTEWATER TREATMENT SYSTEMS, TO BE INSTALLED BY THE LOT OWNER AT TIME OF HOME CONSTRUCTION.
- 16. WATER SERVICE TO THE SUBDIVISION SHALL BE PROVIDED BY DES MOINES WATER WORKS. ALL WATER INSTALLATION TO BE IN ACCORDANCE WITH DES MOINES WATER WORKS RULES AND REGULATIONS.
- ALL WATER MAINS AND WATER SERVICE STUBS MUST BE INSTALLED PRIOR TO PAVING
- NO INDIVIDUAL LOT ENTRANCE SHALL BE ALLOWED WITHIN 150 FEET FROM THE CENTERLINE CENTERLINE INTERSECTION OF TWO PUBLIC ROADWAYS CONNECTING OUTSIDE THE PLAT OR WITHIN 70 FEET FROM THE CENTERLINE CENTERLINE INTERSECTION OF TWO PUBLIC ROADWAYS WITHIN THE PLAT
- 19. THE PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED AS PER THE 2021 SUDAS SPECIFICATIONS.
- 20. NO STRUCTURES, INCLUDING FENCES, ARE PERMITTED WITHIN ANY PRIVATE STORM SEWER OR STORM WATER
- STREET LIGHTS AND SIDEWALKS WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS IF ANNEXED BY THE CITY OF
- 22. LOTS 7-9 AND 15-17 SHALL OUTLET SUMP PUMP AND SEPTIC DISCHARGE ON-SITE EITHER BY GRAVITY PIPES ON GRADE OR TO AN ON-SITE GRAVEL DRY WELL CONSTRUCTED ACCORDING TO THE DETAIL PROVIDED. ANY SEPTIC DISCHARGE LINE WILL REQUIRE A UV LIGHT PRIOR TO DISCHARGE. ANY PIPE THAT OUTLETS ON GRADE WILL NEED TO BE A MINIMUM OF 10' FROM ANY LOT LINE AND REQUIRE A MINIMUM OF 5 TONS OF EROSION STONE WITH ENGINEERING FABRIC AT THE OUTLET LOCATION. THE OUTLET LOCATION SHALL BE LOCATED AND AS FAR DOWN THE SLOPE AS POSSIBLE TO MINIMIZE
- 23. LOT 10 (EXISTING HOME) TO CONTINUE TO USE EXISTING SEPTIC AND SUMP SYSTEMS. LOTS 5-6 AND 11-14 SHALL OUTLET SUMP PÙMP AND SEPTIĆ DISCHAGE ON-SITE BY GRAVITY PIPES ON GRADE. ANY SEPTIC DISCHARGE LINE WILL REQUIRE A UV LIGHT PRIOR TO DISCHARGE. ANY PIPE THAT OUTLETS ON GRADE WILL NEED TO BE A MINIMUM OF 10' FROM ANY LOT LINE AND REQUIRE A MINIMUM OF 10 TONS OF RIPRAP WITH ENGINEERING FABRIC AT THE OUTLET LOCATION. THE OUTLET LOCATION SHALL BE LOCATED AND AS FAR DOWN THE SLOPE AS POSSIBLE TO MINIMIZE POTENTIAL FOR EROSION.
- 24. THE HOMEOWNER'S ASSOCIATION WILL OWN AND MAINTAIN THE SEPTIC DISCHARGE COLLECTOR LINES THAT ARE LOCATED WITHIN THE 30' PRIVATE SEPTIC DISCHARGE COLLECTOR LINE EASEMENTS. THE SEPTIC DISCHARGE COLLECTOR LINES PROVIDE AN OUTLET FOR THE PRIVATE ALTERNATIVE ON-SITE WASTEWATER TREATMENT SYSTEMS FOR LOTS 1-4, THE SUMP AND SEPTIC DISCHARGE SHALL BOTH OUTLET TO THE PRIVATE COLLECTION LINE. A SAMPLING PORT AND UV LIGHT SHALL BE INSTALLED IN THE SEPTIC DISCHARGE LINE PRIOR TO THE CONNECTION POINT WITH THE
- 25. A GEOTECHNICAL REPORT SHALL BE COMPLETED FOR THE EMBANKMENT OF THE EXISTING POND. THE REPORT SHALL INCLUDE RECOMMENDATIONS FOR THE PROPOSED IMPROVEMENTS TO THE POND EMBANKMENT
- 26. THE FOLLOWING LOTS WILL HAVE SHARED DRIVEWAYS/ENTRANCES: LOTS 5 AND 6, LOTS 10 AND 11, AND LOTS 12 AND 13 THE LOT OWNERS ARE RESPONSIBLE FOR MAINTAINING THE SHARED ENTRANCES
- 27. THIS PLAT IS BEING PREPARED UTILIZING THE CLUSTER DEVELOPMENT OPTION UNDER THE RURAL RESIDENTIAL DISTRICT REQUIRING A MINIMUM OF 8.05 ACRES OF OPEN SPACE. THIS REQUIRED OPEN SPACE IS LOCATED ON OUTLOT "X" AND SHALL BE MAINTAINED AS PERMANANT/UNBUILDABLE OPEN SPACE BY THE HOMEOWNERS ASSOCIATION.
- 28. ANY TREE REMOVALS AND NATIVE SLOPE MODIFICATION ON SLOPES GREATER THAT 5:1 OR WITHIN THE SAFE SLOPE BUILDING SETBACK LINE SHALL REQUIRE ADDITIONAL GEOTECHNICAL INVESTIGATION BY A LICENSED GEOTHECHNICAL ENGINEER. NO FILL FROM HOMEOWNER/HOMEBUILDERS SHALL BE ALLOWED WITHIN THE TREE LINE OR ON SLOPES STEEPER THAN 5:1 WITHOUT ADDITIONAL GEOTECHNICAL INVESTIGATION.
- 29. CONSTRUCTION WITHIN THE SAFE SLOPE SETBACK SHALL REQUIRE FOUNDATION DESIGN BY A PROFESSIONAL STRUCTURAL ENGINEER AND SLOPE STABILIZATION REVIEW AND DESIGN BY A PROFESSIONAL GEOTECHNICAL ENGINEER.
- 30. THE FUTURE DRIVEWAYS FOR LOTS 14 AND 17 MAY NOT ACCESS FROM EITHER THE HAMMERHEAD OR THE DEAD-END PORTION OF PUBLIC ROADWAY



hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Chad D. DeVore, P.E. License Number P16007

My License Renewal Date is December 31, 2021 Pages or sheets covered by this seal: C100-C500



I hereby certify that this land surveying document was prepared and the related survey work was performed by me or under my direct personal supervision and that I am a duly licensed Professional Land Surveyor under the laws of the State of Iowa.

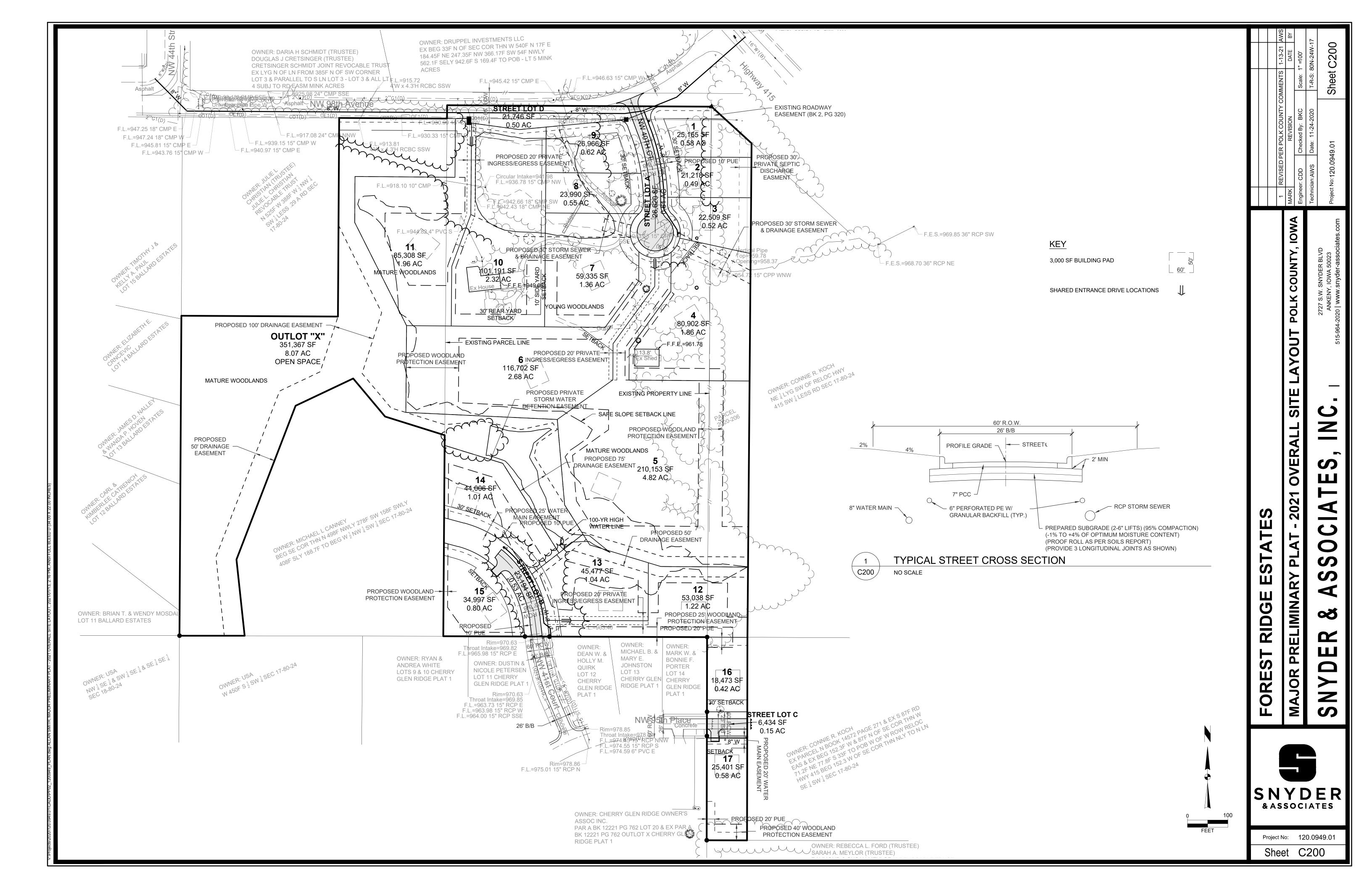
Erin D. Griffin, PLS License Number 19710

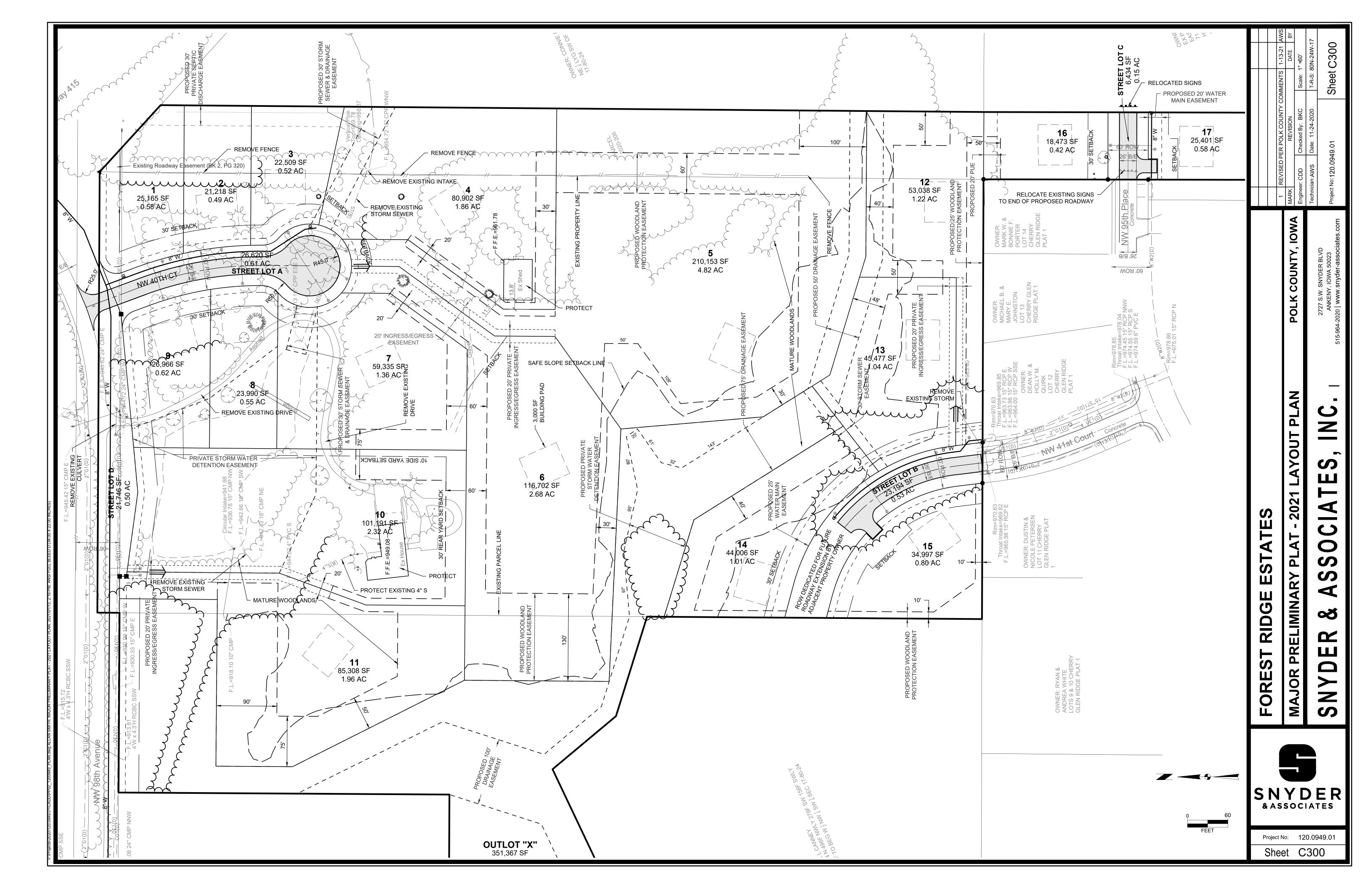
My License Renewal Date is December 31, 2021 Pages or sheets covered by this seal: C100-C200

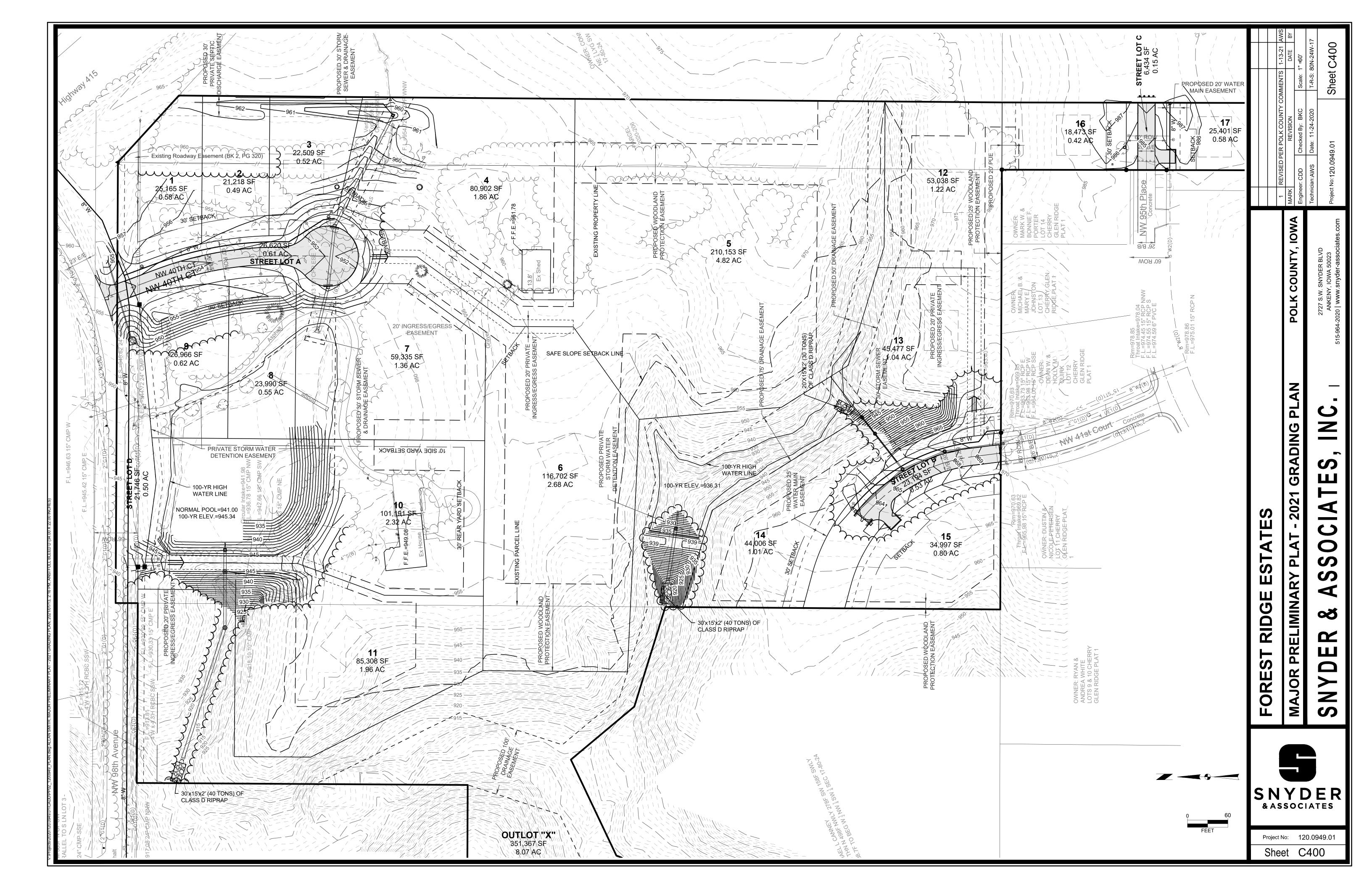
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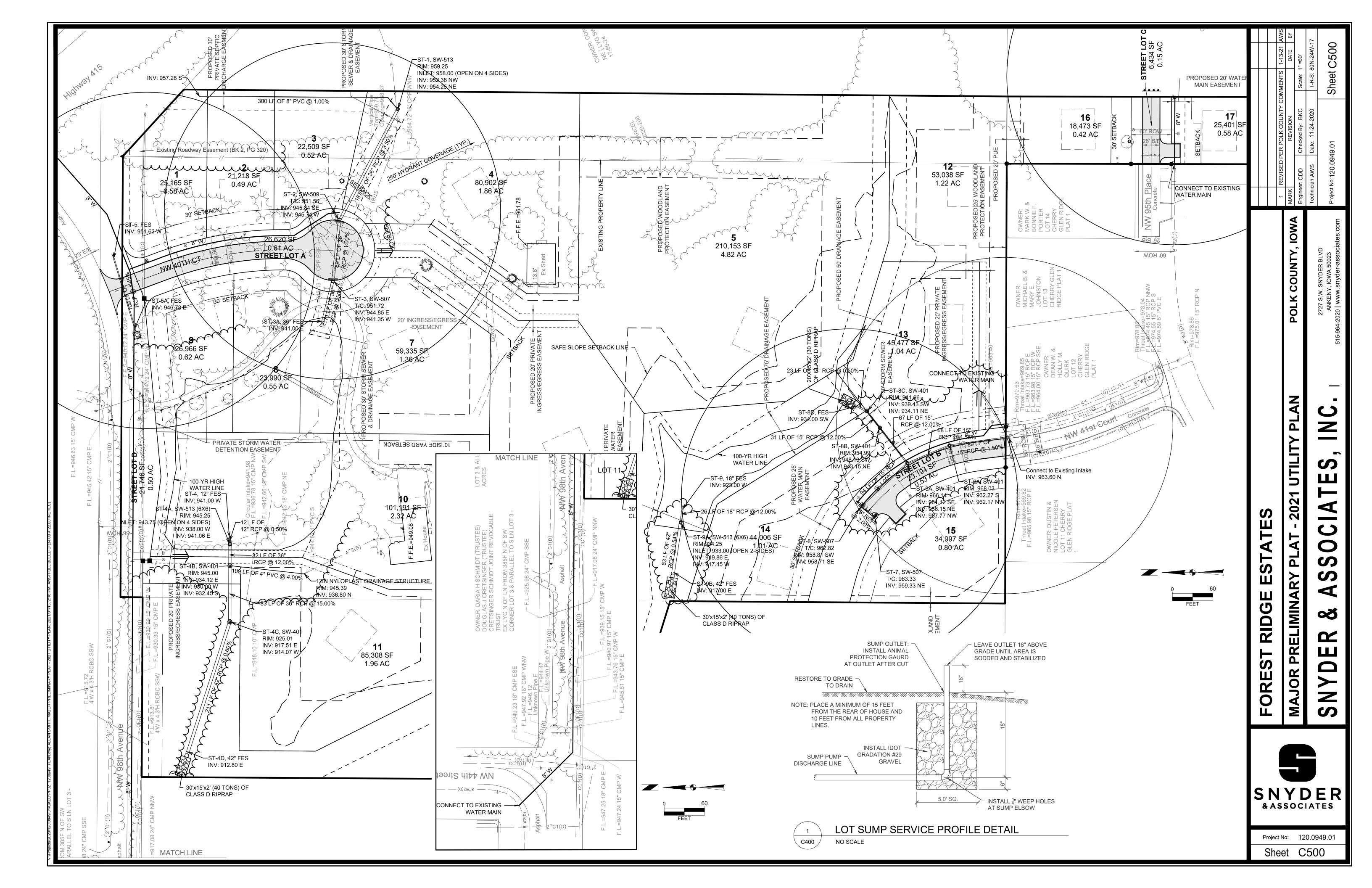
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January 13, 2021

Mr. Bret Vandelune Planning and Development Manager Polk County Public Works 5885 NE 14th Street Des Moines, IA 50313

RE: WAIVER REQUESTS

FOREST RIDGE ESTATES –PRELIMINARY PLAT 2021 BLESSMAN INTERNATIONAL, INC PROPERTY PART OF THE SW ¼ OF SEC. 17, T80N, R24W S&A Project No. 120.0949.01

Dear Bret:

On behalf of Tom Davies with PAR Partners, LLC, as applicant and developer, please find this letter as the formal waiver request for the following two items for Forest Ridge Estates: (1) to allow flag lots to exceed 3 acres in size, and (2) to allow a private detention basin(s) to be located on multiple lots.

Polk County Subdivision Ordinance, Article 5, Section 19 (J.3) states that "flag lots shall not exceed three (3) acres in size in areas without public sanitary sewer. Given the majority of the property only has access available from NW 98<sup>th</sup> Avenue because of topographic constraints, geographic barriers, and dense woodland characteristics while maintaining the length of the cul-de-sac at or below the County's requirements, two lots (lots 5 and 6) are created that are larger than 3 acres. Considering the amount of mature woodlands on this site, having these lots larger than 3 acres should create lots desirable to future home owners while trying to minimize tree removal on the overall development.

Polk County Subdivision Ordinance, Article 5, Section 19 (G), states that "ponds shall be held by a single owner or held in common, in a Home Owners Association". There is an existing pond on this site that is being expanded to provide the necessary storm water detention for the northern portion of the development. Given the shape and topography of the parcel along the applicant's desire to save the existing home that will be located on Lot 10, it is not feasible to have the pond located on just one lot. David Nelson with Whitfield Eddy, PLC is drafting strict shoreline maintenance guidelines and procedures for these individual lot owners. The Home Owners Association will be responsible for maintaining the pond and its outlet within the easements that will be located on portions of Lots 7, 8, 9 and 10 and will be an amenity that will make these lots attractive to future homeowners.

If you have any questions or require additional information, please contact this office at your convenience. Thank you.

Sincerely,

SNYDER & ASSOCIATES, INC.

Enclosure

cc: Tom Davies, PAR Partners, LLC (w/enclosures emailed)

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