URBAN DESIGN COMMISSION APPLICATION

City of Madison Planning Division 126 S. Hamilton St. P.O. Box 2985 Madison, WI 53701-2985 (608) 266-4635



Complete all sections of this application, including the desired meeting date and the action requested.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the phone number above immediately.

FOR OFFICE USE ONLY:

| Paid | Receipt # |
|-----------------------|-----------|
| Date received | |
| Received by | |
| Aldermanic District | |
| Zoning District | |
| Urban Design District | |
| Submittal reviewed by | |

1. Project Information

| A | Addre | ess: | 9604 Wilrich | Stre | et, Middleton, WI. 53562 | | |
|--|---|--|--|--|--|---|---|
| Т | itle: | | Paragon Plac | ce at | Bear Claw Way - Buildir | ng #4 | * |
| | 2020 | | ype (check all date requested | | apply) and Requested Da July 31st, 2019 | te | |
| New development Alteration to an existing or previously-approximation in the second | | | | | | ously-approved development | |
| | | nformat | ional | | Initial approval | | Final approval |
| 3. P | roje | ct Type | | | | | |
| |] P | Project in | an Urban Desig | gn Dis | trict | Sign | nage |
| | | | | | District (DC), Urban | | Comprehensive Design Review (CDR) |
| - | | | | | xed-Use Center District (MXC) | | Signage Variance (i.e. modification of signage heigh |
| Ļ | Project in the Suburban Employment Center District (SEC). Campus Institutional District (CI), or Employment Campus | | | | | area, and setback) | |
| | | District (E | | Other | | | |
| | | | Development (P | Marca . | | | Please specify |
| | 14 | | eral Developme | | | | |
| | | 82 | ific Implementa | | 1. T. T. | | |
| | P | Planned I | Aulti-Use Site o | r Resi | dential Building Complex | | |
| 4. A | ppli | cant, Ag | ent, and Prop | erty | Owner Information | | |
| A | pplic | cant nar | Ryan I | McM | urtrie | | |
| | | | ic , | VICIVI | artito | Compa | any United Financial Group, Inc. |
| St | treet | t address | 000 14 | | Igeview Drive | | any United Financial Group, Inc. tate/Zip Appleton, WI. 54911 |
| | treet eleph | | 660 W | . Rid | | City/St | any United Financial Group, Inc. tate/Zip Appleton, WI. 54911 RMcMurtrie@UFGroup.net |
| Te | eleph | hone | 660 W (920) 9 | . Rid 968-8 | lgeview Drive | City/St Email | tate/Zip Appleton, WI. 54911 |
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| Te Pi St | eleph rojec | hone ct conta e t address | 660 W (920) t person Ry 660 W | 7. Rid 968-8 an M 7. Rid | lgeview Drive 8100 ext. 137 IcMurtrie | _City/St _Email _Compa _City/St | tate/Zip Appleton, WI. 54911 RMcMurtrie@UFGroup.net |
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| Te Pi Si Te Pi | eleph rojec treet eleph rope | hone ct conta t address hone | 660 W (920) 9 t person Ry 660 W 920) 9 er (if not appli | 2. Rid 968-8 an M 2. Rid 68-8 cant) | lgeview Drive 8100 ext. 137 IcMurtrie Igeview Drive | City/St Email Compa City/St Email Claw V | Appleton, WI. 54911 RMcMurtrie@UFGroup.net any United Financial Group, Inc. tate/Zip Appleton, WI. 54911 RMcMurtrie@UFGroup.net |

5. Required Submittal Materials

- **Application Form**
- Letter of Intent
 - . If the project is within an Urban Design District, a summary of how the development proposal addresses the district criteria is required
 - For signage applications, a summary of how the proposed signage is consistent with the applicable CDR or Signage Variance review criteria is required.
- Development plans (Refer to checklist provided below for plan details)
- Filing fee

Electronic Submittal*

Both the paper copies and electronic copies must be submitted prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. A completed application form is required for each UDC appearance.

For projects also requiring Plan Commission approval, applicants must also have submitted an accepted application for Plan Commission consideration prior to obtaining any formal action (initial or final approval) from the UDC. All plans must be legible when reduced.

*Electronic copies of all items submitted in hard copy are required. Individual PDF files of each item submitted should be compiled on a CD or flash drive, or submitted via email to udcapplications@cityofmadison.com. The email must include the project address, project name, and applicant name. Electronic submittals via file hosting services (such as Dropbox.com) are not allowed. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

6. Applicant Declarations

- Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design 1. Commission staff. This application was discussed with Janine Glaeser on June 4th, 2019
- The applicant attests that all required materials are included in this submittal and understands that if any required 2 information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

| Applicant name Ryan McMurtrie | Relationship to property Applicant & Project Contact Person |
|--|---|
| Paragon Plac | e at Bear Claw Way LLC |
| Authorized signature of Property Owner marked Ma | Shelley Lucitor Date June 10th, 2019 |
| By: United A | partments, Inc., Manager |
| Application Filing Fees By: Marsh | al Gorwitz, President Shelley Austinson, Secretary |

7. Application Filing Fees

Fees are required to be paid with the first application for either initial or final approval of a project, unless the project is part of the combined application process involving the Urban Design Commission in conjunction with Plan Commission and/or Common Council consideration. Make checks payable to City Treasurer. Credit cards may be used for application fees of less than \$1,000.

Please consult the schedule below for the appropriate fee for your request:

- Urban Design Districts: \$350 (per §35.24(6) MGO).
- Minor Alteration in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) : \$150 (per §33.24(6)(b) MGO)
- Comprehensive Design Review: \$500 (per §31.041(3)(d)(1)(a) MGO)
- Minor Alteration to a Comprehensive Sign Plan: \$100 (per §31.041(3)(d)(1)(c) MGO)
- All other sign requests to the Urban Design Commission, including, but not limited to: appeals from the decisions of the Zoning Administrator, requests for signage variances (i.e. modifications of signage height, area, and setback), and additional sign code approvals: \$300 (per §31.041(3)(d)(2) MGO)

A filing fee is not required for the following project applications if part of the combined application process involving both Urban Design Commission and Plan Commission:

- Project in the Downtown Core District (DC), Urban Mixed-Use District (UMX), or Mixed-Use Center District (MXC)
- Project in the Suburban Employment Center District (SEC), Campus Institutional District (CI), or **Employment Campus District (EC)**
- Planned Development (PD): General Development Plan (GDP) and/or Specific Implementation Plan (SIP)
- Planned Multi-Use Site or Residential Building Complex

Each submittal must include fourteen (14) 11" x 17" collated paper copies. Landscape and Lighting plans (if required) must be full-sized. Please refrain from using plastic covers or spiral binding.

URBAN DESIGN COMMISSION APPROVAL PROCESS

Introduction

The City of Madison's Urban Design Commission (UDC) has been created to:

- Encourage and promote high quality in the design of new buildings, developments, remodeling, and additions so as to maintain and improve the established standards of property values within the City.
- Foster civic pride in the beauty and nobler assets of the City, and in all other ways possible assure a functionally efficient and visually attractive City in the future.

Types of Approvals

There are three types of requests considered by the UDC:

- <u>Informational Presentation</u>. Applicants may, at their discretion, request to make an Informational Presentation to the UDC prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design. Applicants should provide details on the context of the site, design concept, site and building plans, and other relevant information to help the UDC understand the proposal and provide feedback. (Does not apply to CDR's or Signage Variance requests)
- Initial Approval. Applicants may, at their discretion, request initial approval of a proposal by presenting preliminary
 design information. As part of their review, the Commission will provide feedback on the design information what
 should be addressed at Final Approval stage.
- <u>Final Approval</u>. Applicants may request Final Approval of a proposal by presenting all final project details. Recommendations or concerns expressed by the UDC in the initial approval must be addressed at this time.

Presentations to the Commission

Primarily, the UDC is interested in the appearance and design quality of projects. Emphasis should be given to the site plan, landscape plan, lighting plan, building elevations, exterior building materials, color scheme, and graphics.

When presenting projects to the UDC, applicants must fill out a registration slip provided in the meeting room and present it to the Secretary. Presentations should generally be limited to 5 minutes or as extended by motion by consent of the Commission. The Commission will withhold questions until the end of the presentation.

Applicants are encouraged to consider the use of various graphic presentation material including a locator map, photographs, renderings/model, scale drawings of the proposal in context with adjacent buildings/uses/signs, etc., as may be deemed appropriate to describe the project and its surroundings. Graphics should be mounted on rigid boards so that they may be easily displayed. Applicants/presenters are responsible for all presentation materials, AV equipment and easels.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

The items listed below are minimal application requirements for the type of approval indicated. Please note that the UDC and/ or staff may require additional information in order to have a complete understanding of the project.

Providing additional

information beyond these

minimums may generate

from the Commission.

a greater level of feedback

1. Informational Presentation

- Locator Map
- Letter of Intent (If the project is within an Urban Design District, a summary of <u>how</u> the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan
- Two-dimensional (2D) images of proposed buildings or structures.

2. Initial Approval

- Locator Map
- Letter of Intent (If the project is within a Urban Design District, a summary of <u>how</u> the development proposal addresses the district criteria is required)
- Contextual site information, including photographs and layout of adjacent buildings/structures
- Site Plan showing location of existing and proposed buildings, walks, drives, bike lanes, bike parking, and existing trees over 18" diameter
- Landscape Plan and Plant List (must be legible)
- Building Elevations in both black & white and color for all building sides (include material callouts)
- PD text and Letter of Intent (if applicable)

3. Final Approval

All the requirements of the Initial Approval (see above), plus:

- Grading Plan
- Proposed Signage (if applicable)
- Lighting Plan, including fixture cut sheets and photometrics plan (must be legible)
- Utility/HVAC equipment location and screening details (with a rooftop plan if roof-mounted)
- D PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials (presented at the UDC meeting)

4. Comprehensive Design Review (CDR) and Variance Requests (Signage applications only)

- Locator Map
- □ Letter of Intent (a summary of <u>how</u> the proposed signage is consistent with the CDR or Signage Variance criteria is required)
- Contextual site information, including photographs of existing signage both on site and within proximity to the project site
- □ Site Plan showing the location of existing signage and proposed signage, dimensioned signage setbacks, sidewalks, driveways, and right-of-ways
- Proposed signage graphics (fully dimensioned, scaled drawings, including materials and colors, and night view)
- Perspective renderings (emphasis on pedestrian/automobile scale viewsheds)
- Graphic of the proposed signage as it relates to what the Ch. 31, MGO would permit

Requirements for All Plan Sheets

- 1. Title block
- 2. Sheet number
- 3. North arrow
- 4. Scale, both written and graphic
- 5. Date
- 6. Fully dimensioned plans, scaled at 1"= 40' or larger

** All plans must be legible, including the full-sized landscape and lighting plans (if required)

> Providing additional information beyond these minimums may generate a greater level of feedback from the Commission.



660 W. Ridgeview Drive Appleton, WI 54911-1254 Telephone (920) 968-100 Facsimile (920) 731-1696

June 11th, 2019

Ms. Heather Stouder Department of Planning & Community & Economic Development City of Madison 215 Martin Luther King Jr. Blvd., Suite 017 (Level Zero "0") Madison, Wisconsin 53703

RE: Letter of Intent – Major Alteration to an Approved Conditional Use Paragon Place at Bear Claw Way – Building #4: 9604 Wilrich Street

Ms. Heather Stouder:

The following is submitted together with the applications, filing fees, and plans for Plan Commission, Urban Design Commission and staff review.

Project Team:

United Financial Group, Inc. Role: Applicant/Construction Manager 660 W. Ridgeview Drive Appleton, WI. 54911 (920) 968-8137 Contact: Ryan McMurtrie Email: <u>RMcMurtrie@UFGroup.net</u>

AG Architecture Role: Architect 1414 Underwood Avenue Wauwatosa, WI. 53213 (414) 431-3131 Contact: John Cronin, AIA Email: JJCron@AGarch.com

Paragon Place at Bear Claw Way LLC Role: Owner 660 W. Ridgeview Drive Appleton, WI. 54911 Contact: Ryan McMurtrie Email: <u>RMcMurtrie@UFGroup.net</u> *Trio Engineering* Role: Civil Engineer 4100 N. Calhoun Rd. Suite 300 Brookfield, WI. 53045 (262) 790-1480 Contact: Josh Pudelko, M.S., P.E. Email: JPudelko@Trioeng.com

Garland Alliance, Inc. Role: Landscape Architect 5707 6th Avenue Kenosha, WI. 53140 (414) 688-1641 Contact: Tim Garland Email: <u>GarlandAlliance@gmail.com</u>

Introduction, Existing Site Conditions, & Project Schedule/Phasing Plan:

The Paragon Place at Bear Claw Way Residential Building Complex is located on the west side of Madison within the south-central portion of the Elderberry Neighborhood, directly north of the Blackhawk Church and west of the Woodstone single-family development, on property generally addressed as 9603 Paragon Street, Middleton, WI. 53562. The site is currently zoned SR-V2.

The existing Conditional Use Permit currently provides for the construction of a clubhouse and 145 apartments in 4 buildings on 2 lots totaling 386,616 square feet (8.88 acres):

- Building #1 (southeast corner) was completed in 2017 and consists of 39 units
- Building #2 (northeast corner) was completed in 2018 and consists of 35 units
- Building #3 (northwest corner) will open this summer, and consists of 39 units
- Building #4 (southwest corner) is currently approved to consist of 32 units

The section of Bear Claw Way between Wilrich Street and Elderberry Road was completed in 2017. Paragon Street was partially constructed in 2017, and extended to the west in 2018 to intersect with Chaska Drive (*which was also constructed in 2018*).

United Financial Group, Inc. (UFG) is seeking approval of a Major Alteration to the Existing Conditional Use Permit with regard to Building #4 (9604 Wilrich Street). Construction on Building #4 is planned to start in the spring of 2020, to provide for a summer 2021 opening.

Neighborhood Input:

The Pre-application Notification was provided to both representatives of the Elderberry Neighborhood Association and the District Alder on March 20th, 2019. In addition, a neighborhood meeting was held at the Blackhawk Church on Tuesday, June 4th to ensure the neighbors had the opportunity to review the plans and ask questions prior to the formal submittal. A copy of both the Pre-Application Notification and the postcard that was sent out to the neighbors have been included with this submittal.

Proposal Description:

Building #4 is currently approved as a straight, 32-unit building that transitions from 3 stories to 2 stories at the end units, and is planned to be positioned slightly east of the southwest corner of the site. The proposed alteration, which is in accordance with the comments received from multiple staff agencies on August 16th, 2018, entails modifying the location, architecture and footprint of building #4 to frame the site more effectively, and increases the number of units from 32 to 45. All SR-V2 zoning district requirements continue to be easily met.

In addition to providing the opportunity for a strong corner element to activate the intersection of Wilrich Street and Chaska Drive, the L-shaped footprint of the revised design is more complementary with the three existing buildings, and allows the interior surface parking to be less visible from Chaska Drive. The proposed façade materials have been consciously placed to provide contrast with building #1 to the east and building #3 to the north, and continue to consist of 3 colors of brick, one type of full-bed-depth stone, pre-cast concrete, and Longboard aluminum siding.

Development Data:

| Site Data: | |
|-----------------------------|--|
| Lot Area: | 386,616 square feet (8.88 acres) |
| Dwelling Units: | 158 units (Building #4 increased to 45 from 32) |
| Lot Area/Unit: | 2,447 (2,000 required) |
| Density: | 17.79 units/acre |
| Useable Open Space: | 87,708 (79,000 required) |
| Useable Open Space/Unit: | 555 square feet (500 required) |
| Lot coverage: | 48.1% (60% maximum) |
| Vehicle Parking: | |
| Surface Parking stalls: | 149 (includes 10 accessible stalls) |
| Underground Parking stalls: | · · |
| Total Parking stalls: | 316 or 2.00/unit (2.5 maximum) |
| Total Farking Stans. | 510 01 2.007 unit (2.5 maximum) |
| Bicycle Parking: | |
| Surface guest stalls: | 27 (16 required) |
| Underground: | <u>168 (158 required)</u> |
| Total Bicycle Stalls: | 195 |
| Building Area: | 240,613 (0.62 FAR) |
| Building Height: | 3 stories of housing (U/G parking exposed on north side) |
| Dwelling Unit Mix: | |
| One Bedroom: | 50 |
| <u>Two Bedroom:</u> | 108 |
| Total Dwelling Units: | 158 |

Concluding Statements:

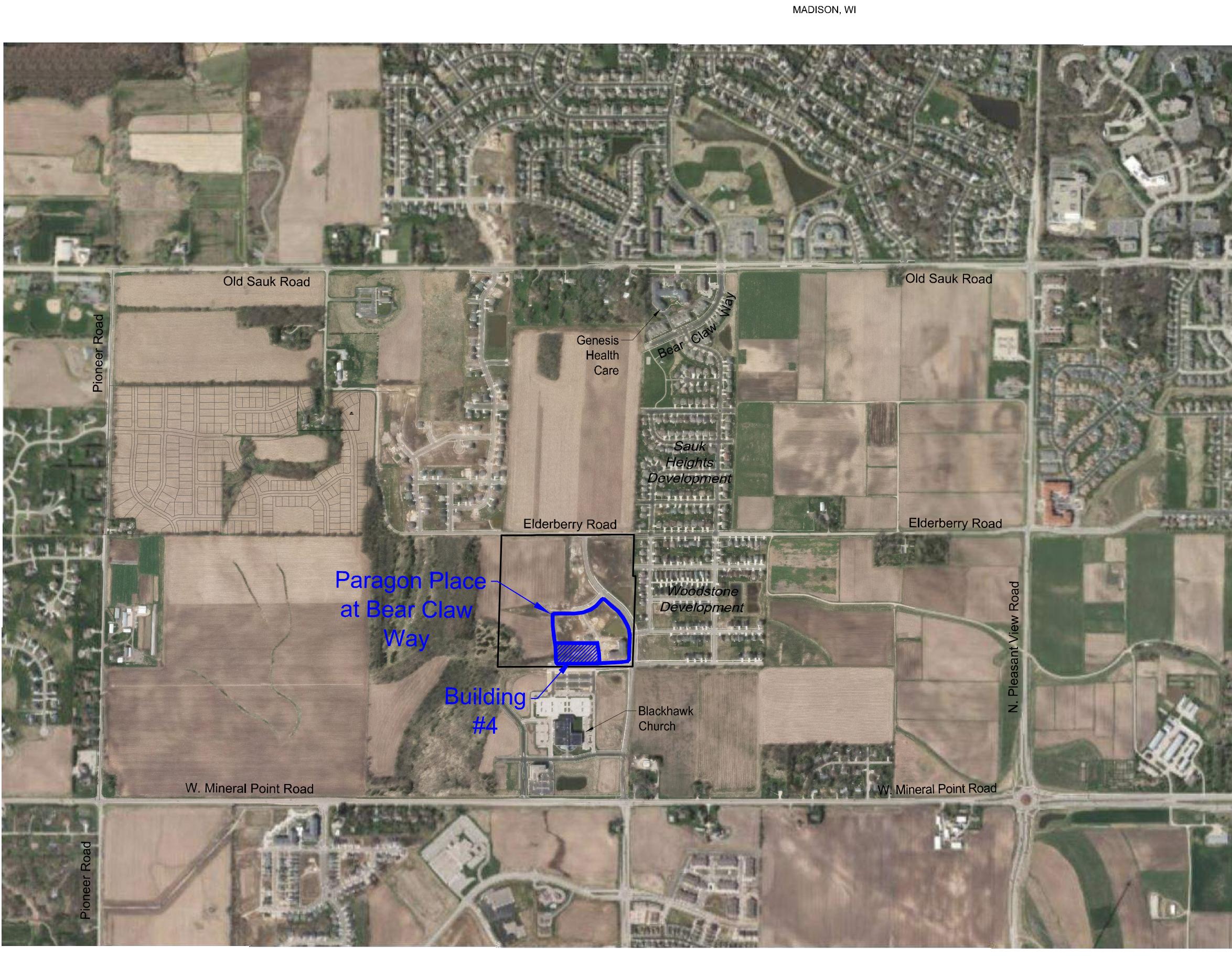
UFG is a family-owned organization with more than 40 years of experience owning and operating apartment communities, and currently has a portfolio of more than 3,500 units within the state of Wisconsin. The Paragon Place Subdivision, as is true with all UFG developments, is wholly owned by the McMurtrie-Salmon families, and all construction and property management services are provided by United Financial Group, Inc.

Thank you for taking the time to review and consider our proposal.

Sincerely,

Ryan McMurtrie

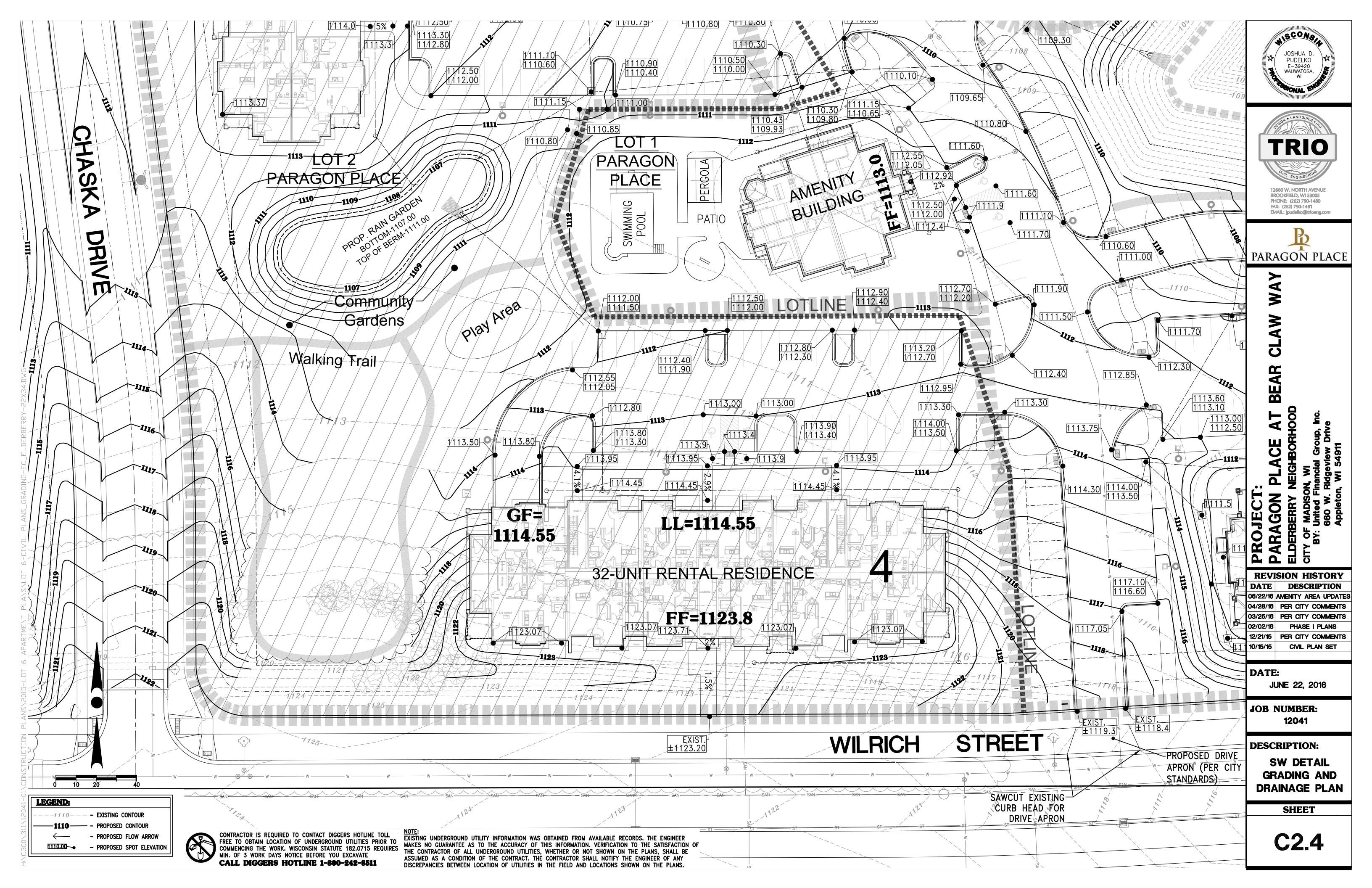
Ryan McMurtrie EVP, Director of Development



VICINITY MAP "PARAGON PLACE AT BEAR CLAW WAY"

by UNITED FINANCIAL GROUP, INC. 660 W. Ridgeview Drive Appleton, WI 54911

Scale: 1" = 500' (22"X34") Scale: 1" = 1000'(11"X17") Date: 06-06-2019

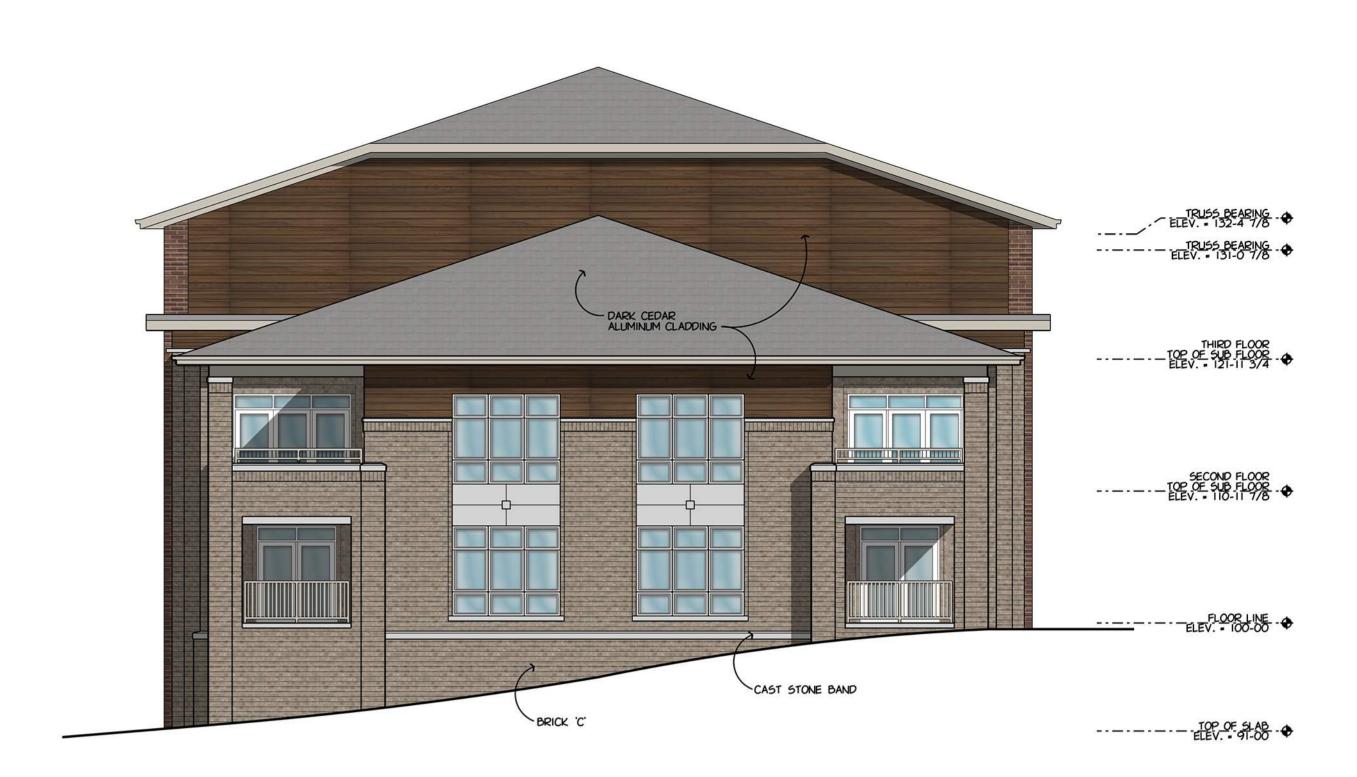






EAST ELEVATION

Paragon Place at Bear Claw Way Approved Building #4, Three/Two Story, 32 Unit Madison, Wisconsin



WEST ELEVATION

SCALE: 1/8" = 1'-0"

- ASPHALT SHINGLES

THIRD FLOOR TOP OF SUB FLOOR ELEV. - 121-11 3/4

FLOOR LINE -



05 Jan 2016



Paragon Place at Bear Claw Way Approved Building #4, Three/Two Story, 32 Unit Madison, Wisconsin

NORTH COURTYARD ELEVATION

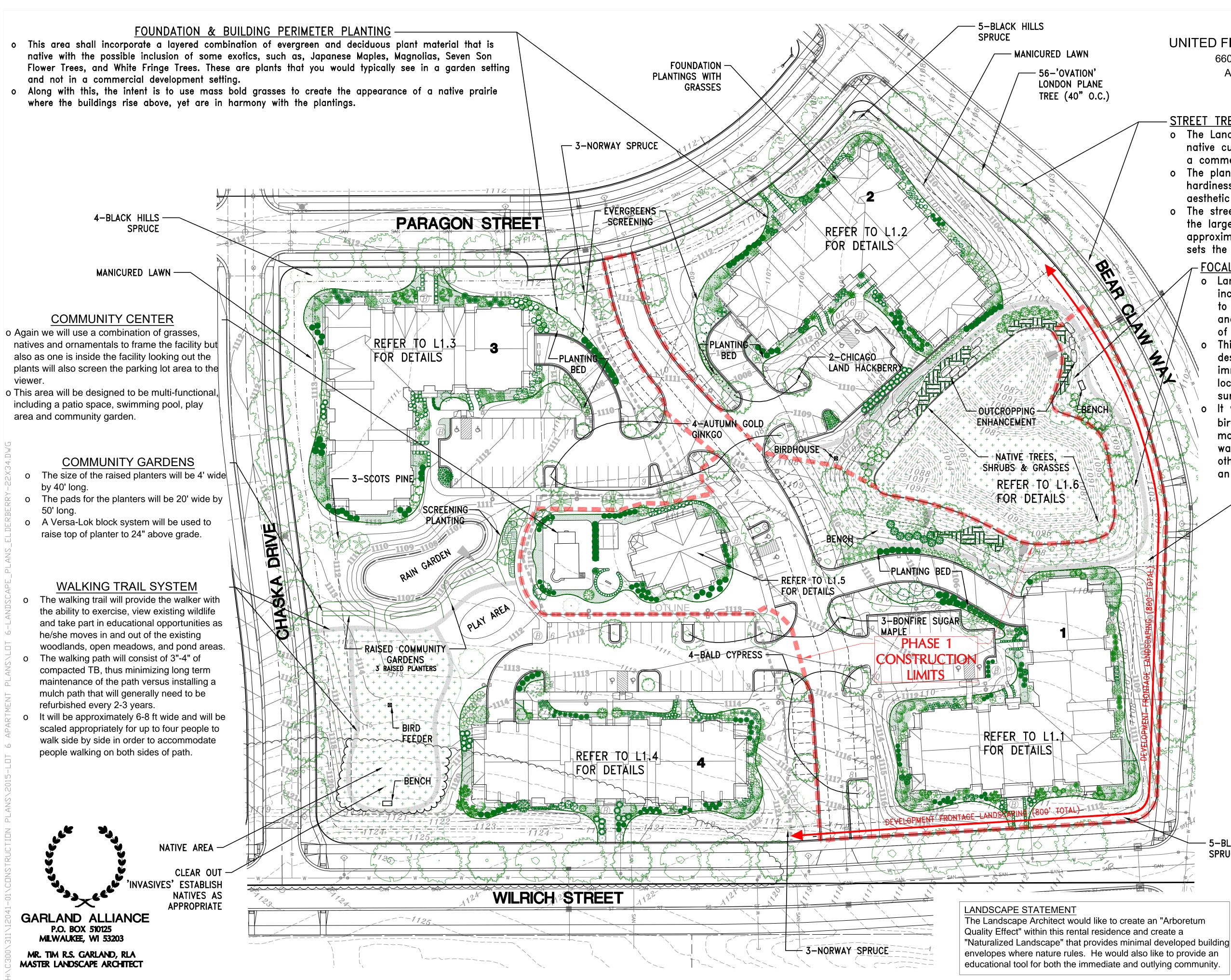
SCALE: 1/8" = 1'-0"



05 Jan 2016

| THIRD FLOOR TOP OF SUB FLOOR ELEV. • 121-11 3/4 • | |
|---|--|
| 12" SOLDIER COURSE PROJECT 3/8" | |
| SECOND FLOOR TOP OF SUB FLOOR ELEV 110-11 7/8 - | |
| | |
| | |
| | |

- native with the possible inclusion of some exotics, such as, Japanese Maples, Magnolias, Seven Son and not in a commercial development setting.
- where the buildings rise above, yet are in harmony with the plantings.



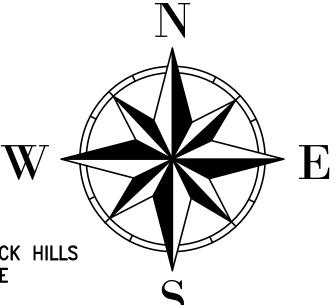
UNITED FINANCIAL GROUP, INC. 660 W. Ridgeview Drive Appleton, WI 54911

STREET TREE PLANTING

- o The Landscape Architect chooses to select native cultivars that are unique in use for a commercial setting.
- o The plants will be selected for their hardiness, their urban tolerance and their aesthetic value.
- o The street tree planting, in effect, creates the large scale outdoor room of this approximately 9 acre development and it sets the stage for the gardens within.
 - FOCAL POND FEATURE o Landscape Architect will incorporate plantings specifically to the pond to further enhance and create a major focal element
 - of this lot. o This will ultimately become a destination point for the immediate community, the overall local community, and the surrounding wildlife.
 - o It will be enhanced with benches, bird feeders/houses and plant material that will attract not only waterfowl but also songbirds and other wildlife typically found in an arboretum setting.

- 5-NORWAY SPRUCE





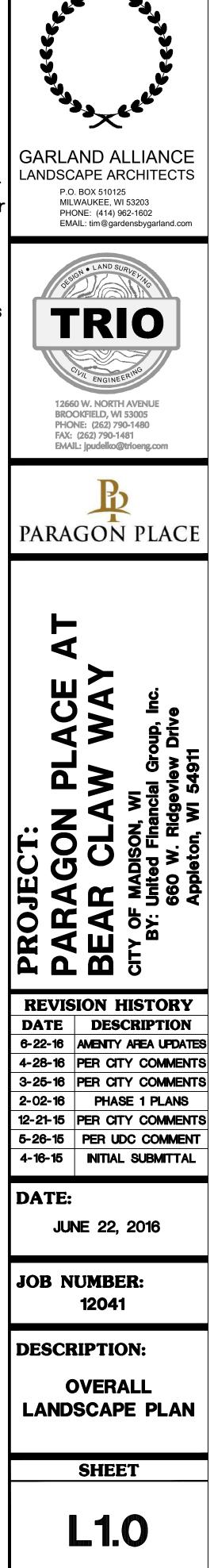
20 40 80

Scale: 1" = 40' (22"X34")

Scale: 1" = 80' (11"X17")

DATE: 06-22-2016

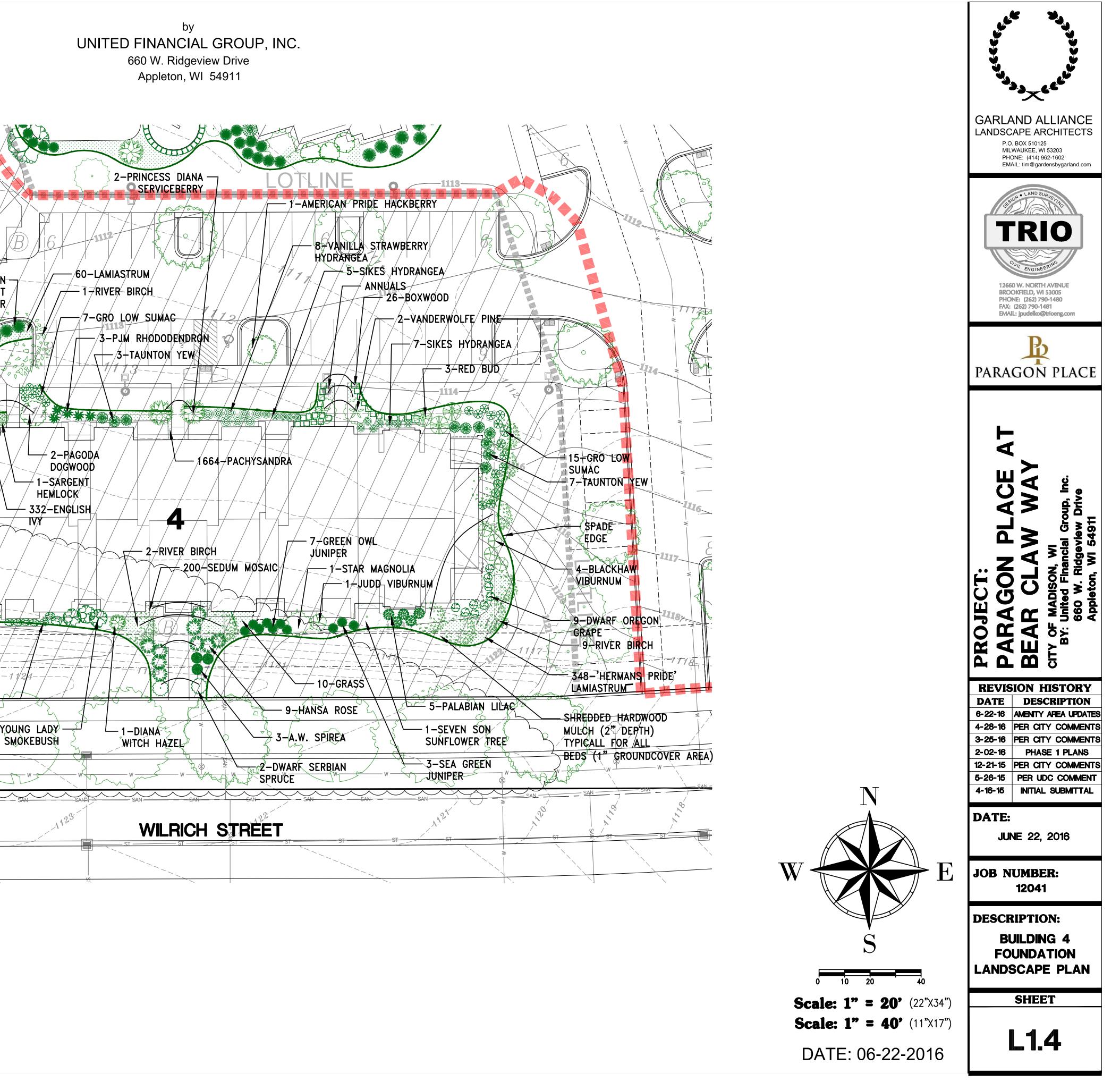
5-BLACK HILLS SPRUCE



AREA oLAY 1≠BLUĘ∕ SHIŅ∕ER SPRUCE 5-GREEN SARGENT JUNIPER 60#GRASSES [⊢]7—∕RÉD WING -[≁]VIBU⁄ŔNUM∕ 1-∕BLACK -- 🛛 / $\tau \nabla$ TUPELO 30+FROSTY MORN SEDUM /7-PURPLE /PAVEMENT ROSĘ ∕†00–ØRNIMÉNTAL∕ GRA\$S · 3-TINA/CRABAPPLE -144-ALL GOLD HAKONECHLOA GRASS 3-RIVER BIRCH 11 1-JAPANESE TREE /--/LILAC/ Z—FÍNE WÍN∦ WEIGELA \sim 1125-3-YOUNG LADY -0

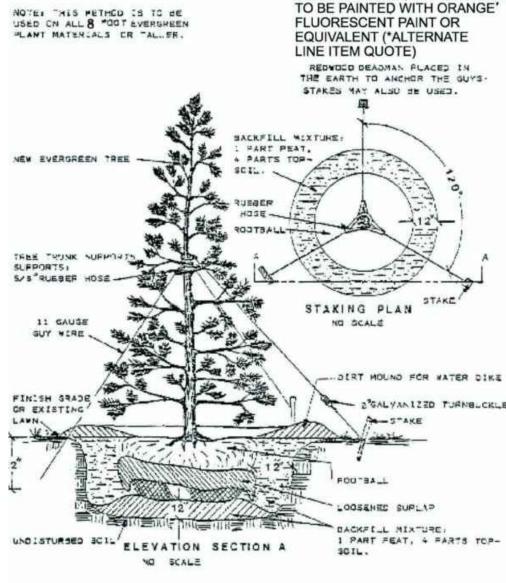


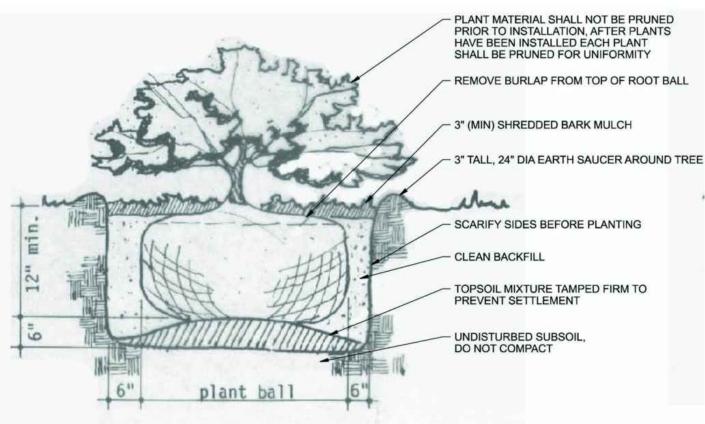
by 660 W. Ridgeview Drive





EVERGREEN TREE PLANTING DETAIL





B&B SHRUB PLANTING DETAIL

CONTAINER SHRUB DETAIL



OF CONTAINER TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT (6" TYP)

UNDISTURBED SUBSOIL

DO NOT COMPACT

* MINIMUM 2"x2"x6' TREATED WOOD STAKE, 2 PER TREE DRIVE STAKE AT ANGLE AND DRAW VERTICAL, TOP OF STAKES

EXCAVATE SHRUB WELL 1-1/2 TIMES SIZE

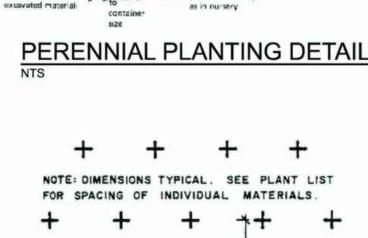
- CLEAN BACKFILL

SCARIFY SIDES BEFORE PLANTING

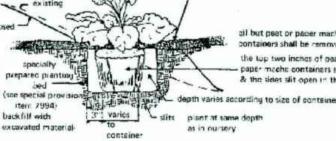
" TALL 24" DIA EARTH SAUCER **ROUND PLANT**

PRIOR TO INSTALLATION, AFTER PLANTS HAVE BEEN INSTALLED EACH PLANT SHALL BE PRUNED FOR UNIFORMITY " (MIN) SHREDDED BARK MULCH REMOVE CONTAINER

PLANT MATERIAL SHALL NOT BE PRUNED



GROUNDCOVER PLANTING DETAIL

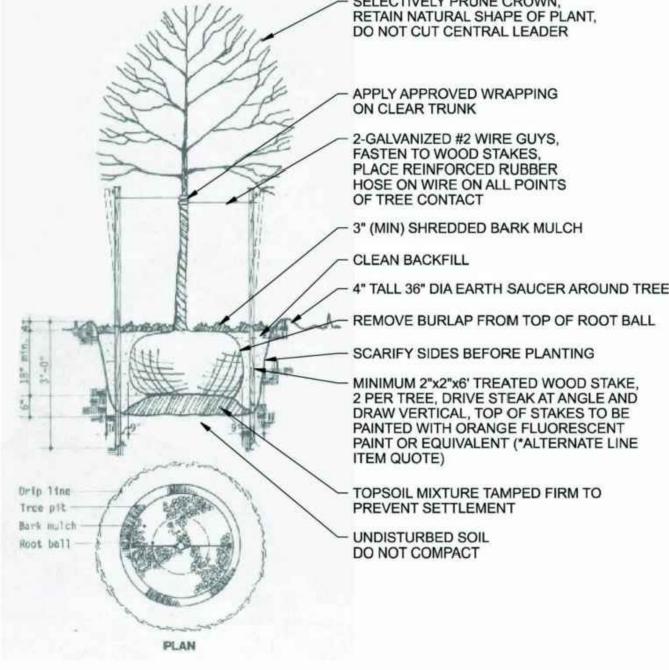


all but peat or paper mache containers shall be removed completely the top two inches of paat or paper mecha containers shall be remove & the sides slit open in three places

shredded pine back muleh

's" death at stems 2" depth batween plants

by UNITED FINANCIAL GROUP, INC. 660 W. Ridgeview Drive Appleton, WI 54911



SELECTIVELY PRUNE CROWN, RETAIN NATURAL SHAPE OF PLANT, DO NOT CUT CENTRAL LEADER

APPLY APPROVED WRAPPING ON CLEAR TRUNK

2-GALVANIZED #2 WIRE GUYS, FASTEN TO WOOD STAKES, PLACE REINFORCED RUBBER HOSE ON WIRE ON ALL POINTS OF TREE CONTACT

- 3" (MIN) SHREDDED BARK MULCH

- CLEAN BACKFILL

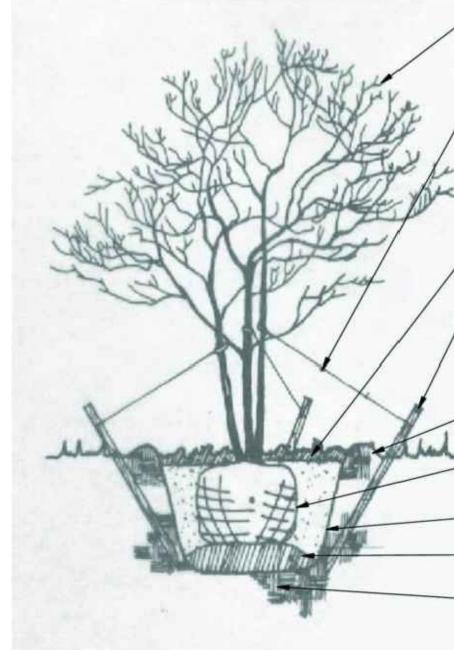
- REMOVE BURLAP FROM TOP OF ROOT BALL

SCARIFY SIDES BEFORE PLANTING

MINIMUM 2"x2"x6' TREATED WOOD STAKE, 2 PER TREE, DRIVE STEAK AT ANGLE AND DRAW VERTICAL, TOP OF STAKES TO BE PAINTED WITH ORANGE FLUORESCENT PAINT OR EQUIVALENT (*ALTERNATE LINE ITEM QUOTE)

TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT

- UNDISTURBED SOIL DO NOT COMPACT



SMALL TREE PLANTING DETAIL

NTS

THE LANDSCAPE CONTRACTOR SHALL VERIFY GRADES ESTABLISHED DURING FINAL SOIL PREPARATION AS BEING TRUE TO FINISH CONTOURS SHOWN, AND SHALL MAINTAIN SUCH AREAS UNTIL THE EFFECTIVE DATE TO BEGIN SODDING AND/OR SEEDING OPERATIONS. IN SUCH INSTANCES WHERE A SPLIT RESPONSIBILITY EXISTS BETWEEN GRADING AND GRASSING CONTRACTORS, IT SHALL BE THE RESPONSIBILITY OF THE GRASSING CONTRACTOR TO MAINTAIN A SUITABLE GRADE FOR GRASSING ONCE HE HAS ACCEPTED THE GRADE PROVIDED TO HIM. IN ALL CASES, THE GROUND SHALL BE HAND RAKED IMMEDIATELY PRIOR TO BEING SODDED TO REMOVE ANY IRREGULARITIES IN THE GRADE.

GUARANTEE PERIOD FOR PLANT MATERIALS SHALL BE AS FOLLOWS

| 3 MONTHS |
|--|
| 3 MONTHS |
| 12 MONTHS |
| 12 MONTHS |
| 90 DAYS FROM INTRODUCTION |
| LAND NOT GIVEN FULL 90 DAYS OF GUARANTEE PERIOD, OR IF NOT THAT TIME, CONTINUE GUARANTEE THE FOLLOWING SPRING UNTIL |
| ISHED. |
| D BE LINED WITH A MINIMUM OF 3" SHREDDED BARK MULCH (NO PLASTIC SE OF ALL TREES (MIN. 3' DIA.). |
| |

A 10/10/10 FERTILIZER MIXTURE SHALL BE APPLIED AT 20#/1000 SF WORKED INTO THE LAWN BED BEFORE SEEDING OR SODDING.

TYPICAL SEED FIXTURE: ed KENTUCKY BLUEGRASS 50% RED FESCUE

PERENNIAL RYE GRASS 20%

PROPOSED TREES TO BE OPTIONALLY STAKED AS PER PLANTING DETAILS. (PLEASE SPECIFY LINE ITEM IN PROPOSAL FOR STAKING).

ANY SERIES OF TREES TO BE PLACED IN A PARTICULAR ARRANGEMENT WILL BE FIELD CHECKED FOR ACCURACY. TREES OF SAME SPECIES TO BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY. ANY TREES MISPLACED WILL BE SUBJECT TO REJECTION.

UPON ACCEPTANCE OF THE LANDSCAPE INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL SUPPLY THE LANDSCAPE ARCHITECT WITH A COMPLETE AND ADEQUATE MAINTENANCE PROGRAM TO BE FOLLOWED DURING AND AFTER THE GUARANTEE PERIOD. THE LANDSCAPE CONTRACTOR SHALL MAKE PERIODIC INSPECTIONS OF THE JOB DURING THE GUARANTEE PERIOD TO DETERMINE IF PROPER MAINTENANCE IS BEING GIVEN.

IT SHALL BE UNDERSTOOD THAT IN ACCORDANCE WITH THE TERMS OF THE GUARANTEE THAT THE LANDSCAPE CONTRACTOR MUST PROMPTLY INFORM THE OWNER IF PROPER MAINTENANCE IS NOT BEING GIVEN TO THE INSTALLATION. SUCH NOTICE SHALL BE IN WRITING, OUTLINING CORRECTIVE MEASURES TO BE TAKEN, WITH A COPY TO THE LANDSCAPE ARCHITECT. AT ANY TIME DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO REPLACE ALL PLANTS THAT ARE DEAD OR IN UNSATISFACTORY CONDITION OF GROWTH. ALL REPLACEMENT PLANTS SHALL BE OF LIKE SIZE AND KIND OF THE PLANTS REMOVED. ANY SEED AREAS OVER ONE FOOT SQUARE NOT COVERED BY TURF SHALL BE RESEEDED BY THE CONTRACTOR. ANY SODDED AREAS OVER ONE FOOT SQUARE THAT ARE DEAD OR DYING SHALL BE RESODDED BY THE LANDSCAPE CONTRACTOR. ALL REPLACEMENTS INCLUDED WITHIN THE GUARANTEE SHALL BE THE LANDSCAPE CONTRACTOR'S EXPENSE

ANY ALTERATIONS TO THE LANDSCAPE PLAN WILL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL BY THE LANDSCAPE CONTRACTORS ARE RESPONSIBLE FOR MAKING SURE ALL TREE BALLS. ARE MOIST AT THE CORE, WHEN TREES ARE INSTALLED.

LAWN EDGES THAT ABUT PARKING LOTS WITH NO CURBING SHALL BE DOUBLE SEEDED TO A WIDTH OF 5'-0". HERBICIDE (TREFLAN OR EQUIVALENT) TO BE APPLIED TO ALL PLANT BEDS PRIOR TO PLANTING FOR NOXIOUS WEED CONTROL.

THE QUANTITIES INDICATED ON THE MATERIAL SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. IN THE EVENT OF A DISCREPANCY. THE PLANTING PLAN WILL TAKE PRECEDENCE OVER THE MATERIAL SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY CALCULATIONS AND THE LIABILITY PERTAINING TO THOSE QUANTITIES AND ANY RELATED CONTRACT DOCUMENTS AND/OR PRICE QUOTATIONS.

MULTI-TRUNK TREE PLANTING NTS

PLANTING AND LANDSCAPE NOTES

THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COORDINATION OF PLANTING OPERATIONS AND RELATED CONTRACTUAL OPERATIONS WITH THE OTHER CONTRACTORS ON THE JOB. REPAIR OF DAMAGE TO PLANTS, GRADES, LAWNS, ETC., DURING INSTALLATION SHALL NOT BE CONSIDERED AS AN EXTRA, AND NOT CHARGEABLE TO THE OWNER. DAMAGE CAUSED BY OTHER CONTRACTORS SHALL BE THE RESPONSIBILITY OF SAID CONTRACTOR.

THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL, SOIL, AND/OR RUBBISH CAUSED BY HIS EMPLOYEES OR WORK. CONTRACTOR SHALL CLEAN BEHIND HIS WORK IMMEDIATELY AND SHALL TAKE NECESSARY PRECAUTIONS TO KEEP CONCRETE, BRICK AND OTHER PAVING MATERIAL CLEAN OF SOIL.

MATERIALS PLANTED AND DAMAGED OR DESTROYED BY ANY PHENOMENA CONSIDERED AS AN ACT OF GOD, E.G., VANDALISM, WIND, FIRE, FLOOD, FREEZE, THEFT, RAIN, HAIL, ETC., SHALL BELONG TO THE OWNER AND SHALL BE HIS RESPONSIBILITY. MATERIALS STORED ON-SITE AS YET NOT PLANTED ARE NOT COVERED BY THIS CLAUSE AND ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

ALL PLANT MATERIAL FURNISHED BY THE CONTRACTOR, UNLESS OTHERWISE SPECIFIED, SHALL BE NO. 1 GRADE OR BETTER IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS. THE LANDSCAPE ARCHITECT RESERVES ALL RIGHTS TO DETERMINE ACCEPTABILITY OF PLANT MATERIAL SUBMITTED FOR PLANTING.

ALL PLANTS SHALL BE PLANTED IN PITS, CENTERED AND SET ON SIX-INCHES OF COMPACTED TOPSOIL TO SUCH A DEPTH THAT THE FINISH GRADE LEVEL AT THE PLANT AFTER SETTLEMENT WILL BE THE SAME AS THAT AT WHICH THE PLANT WAS GROWN. ALL PLANTING AREAS SHALL RECEIVE ADEQUATE FERTILIZATION WITH "EEEESY GROW" 1-YEAR (1 OZ.) FERTILIZER PACKETS OR EQUIVALENT, OR AGREED UPON GRANULAR FERTILIZER AS DISCUSSED WITH LANDSCAPE ARCHITECT.

APPLICATION RATES SHALL BE AS FOLLOWS:

1-1/2" TO 3" CAL .: 2 PACKETS, ONE EACH SIDE GREATER THAN 3": 1 PACKET PER 1" CAL. (I.E. 4"=4 PACKETS)

SHRUBS 1 PACKET FOR EVERY 12" HEIGHT OR SPREAD. (SPACE EVENLY IF 2 OR MORE PACKETS IS REQUIRED.)

CONTRACTOR IS RESPONSIBLE FOR WATERING PLANTS DURING THE DURATION OF THE INSTALLATION.

PERFORM ALL WORK NECESSARY FOR INSTALLING SOD AND/OR SEED AS SHOWN ON THE DRAWINGS OR INFERABLE THEREFROM AND/OR AS SPECIFIED, IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. IMMEDIATELY PRIOR TO SEEDING, THE GROUND SHALL BE MECHANICALLY SCARIFIED AND RAKED TO A FRIABLE FINE TEXTURE. LAWN AREAS SHALL BE SEEDED WITH A MECHANICAL SPREADER AT THE RATE OF 5#/100SF. AFTER SEEDING, ALL AREAS SHALL BE RAKED AND ROLLED TO SATISFACTORILY COVER SEED, AND THEN THOROUGHLY WATERED, AND COVERED WITH TREATED SHREDDED PAPER MULCH OR STRAW MULCH. THE METHOD OF SEEDING MAY BE VARIED BY THE CONTRACTOR BY HIS OWN RESPONSIBILITY TO ESTABLISH A SMOOTH UNIFORM TURF. INSTALL EROSION CONTROL FABRIC ON EMBANKMENTS THAT EXCEED 1:3 SLOPE.

SEED SHALL BE TRUE TO SPECIE AS CALLED FOR ON THE SEEDING PLAN. ALL SEED SHALL BE DELIVERED TO THE JOB SITE IN PACKS PLAINLY MARKED AND CERTIFIED AS TO CONTENT.

SOD SHALL BE PLACED WHEN THE GROUND IS IN WORKABLE CONDITION AND TEMPERATURES ARE LESS THAN 90 DEGREES FAHRENHEIT.

LANDSCAPE CONTRACTOR SHALL WATER SOD IMMEDIATELY AFTER INSTALLATION TO PREVENT EXCESSIVE DRYING DURING PROGRESS OF THE WORK. AS SODDING IS COMPLETED IN ANY ONE SECTION, THE ENTIRE AREA SHALL BE ROLLED. IT SHALL THEN BE THOROUGHLY IRRIGATED TO A DEPTH SUFFICIENT THAT THE UNDERSIDE OF THE NEW SOD PAD AND SOIL IMMEDIATELY BELOW THE SOD ARE THOROUGHLY WET.

SELECTIVELY PRUNE CROWNS, RETAIN NATURAL SHAPE OF PLANT

3-GALVANIZED #2 WIRE GUYS, SPACED EQUIDISTANTLY AT **45 DEGREE ANGLE TO FINISH** GRADE W/ MULTITRUNK PLANTS, ATTACH GUYS TO VARIOUS LIMBS, PLACE REINFORCED RUBBER HOSE ON WIRE AT ALL POINTS OF TREE CONTACT

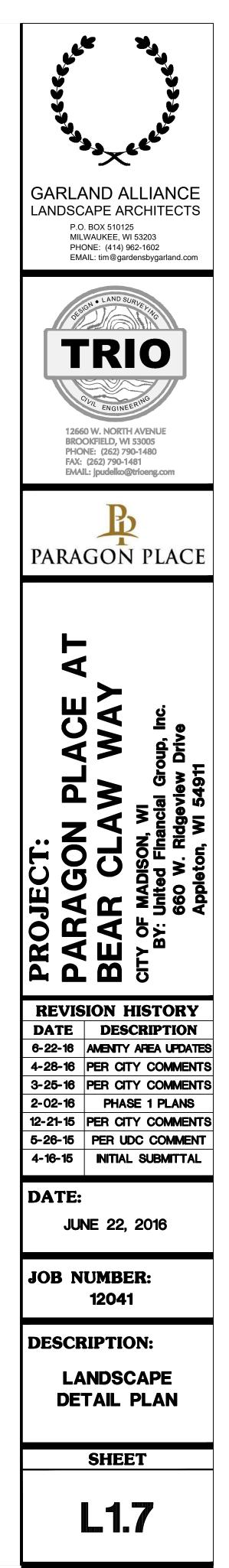
- 3" (MIN) SHREDDED BARK MULCH

MINIMUM 2"x2"x3'-6" TREATED WOOD STAKE, POSITION TO SECURELY STABILIZE TREE TOP OF STAKES TO BE PAINTED WITH ORANGE FLUORESCENT PAINT OR EQUIVALENT (*ALTERNATE LINE ITEM QUOTE)

- 4" TALL 36" DIA EARTH SAUCER AROUND TREE
- REMOVE BURLAP FROM TOP OF ROOT BALL
- SCARIFY SIDES BEFORE PLANTING

TOPSOIL MIXTURE TAMPED FIRM TO PREVENT SETTLEMENT UNDISTURBED SOIL DO NOT COMPACT

DATE: 06-22-2016



PARAGON PLACE- SHEET L1.0 FEBRUARY 02, 2016

| Qty | Botanical Name | Common Name | Size | Root Cnd | Comments |
|-----|-----------------------------------|-----------------------|--------|----------|---------------------|
| 3 | Acer saccharum "Bonfire" | Bonfire sugar Maple | 2-1/2" | B&B | |
| 2 | Celtis occidentalis "Chicagoland" | Chicagoland Hackberry | 2-1/2" | B&B | |
| 4 | Ginkgo biloba "Autumn gold" | Autumn Gold Ginkgo | 2-1/2" | B&B | |
| 0 | Gymnocladus dioica | Kentucy Coffeetree | 2-1/2" | B&B | Noted on sheet L1.5 |
| 5 | Larix | Amreican Larch | 10-12' | B&B | |
| 56 | Plantanus x acerifolia | Ovation Planetree | 2-1/2" | B&B | |
| 4 | Taxodium distichum | Bald Cypress | 8-10' | B&B | |
| 1 | Nyssa sylvatica | Black tupelo | 2-1/2" | B&B | Noted on sheet L1.4 |
| 11 | Pícea abies | Norway Spruce | 6-7' | B&B | |
| 14 | Picea pungens densata | Black Hills Spruce | 5-6' | B&B | |
| 3 | Pinus sylvestris | Scot Pine | 6-7' | B&B | |

PARAGON PLACE- SHEET L1.1 FEBRUARY 02, 2016

| | | | | | / |
|-----|--------------------------------------|-----------------------------|--------|----------|-------------|
| | | | | | |
| Qty | Botanical Name | Common Nam e | Size | Root Cnd | Comments |
| 2 | Acer psuedosieboldianum | Fullmoon Maple | 6-7' | B&B | |
| 2 | Acer palmatum 'Bloodgood' | Bloodgood Japanese Maple | 6-7' | B&B | Multi-trunk |
| 20 | Betula nigra 'Heritage' | Heritage Rver Birch | 10-12' | B&B | Multi-trunk |
| 2 | Carpinus caroliniana | Blue Beech | 6=7' | B&B | Multi-trunk |
| 1 | Cladastris lutea | Yellowwood | 2-1/2" | B&B | |
| 3 | Crataegus crus galli inermis | Thornless Cockspur Hawthorn | 2-1/2" | B&B | |
| 1 | Crataegus phanopyrum | Washington Hawthorn | 6-7' | B&B | Multi-trunk |
| 3 | Fagus sylvatica 'Red Obelisk' | Red Obelisk Beech | 2-1/2" | B&B | |
| | Heptacodium miconiodes | Seven Son Flower Tree | 7-8' | B&B | Multi-trunk |
| 1 | Liriodendron tuliperifa | Tulip Tree | 2-1/2" | B&B | |
| 2 | Magnolia x 'Ann' | Ann Magnolia | 6-7' | B&B | |
| 1 | Malus x 'Professor Sprenger' | Professor Sprenger Crab | 5-6' | B&B | Multi-trunk |
| 1 | Malus x 'Red Jewel' | Red Jewel Crab | 5-6' | B&B | Multi-trunk |
| 1 | Viburnum prunifolium | Blackhaw Viburnum | 7-Jun | B&B | Multi-trunk |
| 5 | Picea glauca densata | Black Hills Spruce | 5-6' | B&B | |
| 1 | Picea pungens 'Fastigiata' | Columnare Blue Spruce | 7-8' | B&B | |
| 6 | Picea omorika | Serbian Spruce | 6' | B&B | |
| 3 | Picea x 'Cupressina' | Cupressina Spruce | 5-6' | B&B | |
| 1 | Pinus nigra | Austrian Pine | 5-6' | B&B | |
| | Pinus flexis 'Vanderwolf's | | | | |
| 1 | Pyramid' | Vanderwolf's Pine | 5-6' | B&B | |
| 1 | Pinus strobus 'Fastigiata' | Columnare White Pine | 6-7' | B&B | |
| 2 | Pinus sylvestris | Scots Pine | 8' | B&B | |
| 1 | Pinus x 'Forest Sky Mexican' | Forest Sky Mexican Pine | 6-7' | B&B | |
| | | | | | |
| | Aronia arbutifolia "Brilliantissima' | Brilliant Red Chokeberry | 24-30" | cont. | |
| 7 | Aronia melanocarpa | Black Chokeberry | 24-30" | cont. | |
| 9 | Clethra anifolia | Clethra | 18-24" | cont. | Ruby Spice' |
| 3 | Fothergilla gardenii | Fothergilla | 18" | cont. | |
| 7 | Forsythia x 'Sunrise' | SunriseForsythia | 30-36" | cont. | |
| 3 | Hamamelis vernalis | Vernal Witchhazel | 3-4' | cont. | |
| | Hydrangea arborescens | | | | |
| 3 | .Annabelle' | Annabelle Hydrangea | 24-30" | cont. | |
| 3 | Sambucus nigra 'Black Lace' | Black Lace elderberry | 18" | cont. | |
| 5 | Spiraea x Froebellii' | Froebel Spirea | 15=18" | cont. | |
| 1 | Syringra patula 'Miss Kim' | Miss Kim Lilac | 24" | cont. | |
| 2 | Viburnum carlesii | Korean Spice Viburnum | 24" | cont. | |
| 2 | Viburnum x 'Juddii' | Judd Viburnum | 24" | B&B | |
| | | | | | |
| 3 | Viburnum dentatum 'Blue Muffin' | Blue Muffin Viburnum | 3-4' | cont. | |
| 9 | Viburnum lantana 'Mohican' | Mohican Viburnum | 3-4' | cont. | |
| 5 | Weigela x 'Dark Horse' | Dark Horse Weigela | 24-30" | cont. | |
| 46 | Buxus x 'Green Mountain' | Green Mountain Boxwood | 18" | 5 gal | |
| 5 | Mahonia aquifolium | Oregongrape Holly | 18" | 5 gal | |
| 6 | Illex x 'Berrimagic' | Berrimagic Holly | 18" | 3 gal | |
| 7 | Juniperus chinensis 'Pfitzeriana' | Pfitzer Juniper | 24-30" | cont. | |
| 8 | Juniperus sargentii glauca | Blue Sargent Juniper | 24-30" | cont. | |
| 7 | Juniperus sargentii viridis | Green Sargent Juniper | 24-30" | cont. | |
| 7 | Juniperus x 'Grey Owl' | Grey Owl Juniper | 24" | cont. | |
| 2 | Picea gluaca 'R. H. Montgomery' | Dwarf Globe Blue Spruce | 24" | 5 gal | |
| 2 | Piea x 'Pumilo' | Pumilo Spruce | 18" | cont. | |
| 2 | Pinus x 'Blue shag' | Blue Shag Pine | 15-18" | cont. | |
| 2 | Pinus strobus 'Globosum' | Globe White Pine | 24" | cont. | |
| 16 | Taxus x 'Tautonii' | Taunton Yew | 24" | B&B | |
| 630 | Euonymus fortunei coloratus | Wintercreeper | 3" | cont. | |
| 40 | Sapphire Blue Oats Grass | Grass | 1 gal | cont. | |
| 60 | River Mist Nothern Sea Oats | Grass | 1 gal | cont. | |
| 72 | Bronze Veil Deschampsia | Grass | 1 gal | cont. | |
| 620 | Carex | Sedges | 1 gal | cont. | |
| 36 | Ornamentl Grasses | Grass | 1 gal | cont. | |
| 228 | Geranium 'Big Leaf' | Perennial Big Leaf Geranium | 4-1/2" | cont. | |
| 300 | Sedum | Assorted Groundcover Sedum | 4-1/2" | cont. | |
| | | | | | |

| Qty | Botanical Name | Common Name | Sîze | Root Cnd | Comments |
|-----|----------------------------------|-----------------------------|--------------|----------|-----------------|
| 4 | Acer psuedo | Fullmoon Maple | 6-7' | B&B | |
| 15 | Betula nigra 'Heritage' | Heritage river Birch | 10-12' | B&B | Multi-trunk |
| 3 | Cornus alternifolia | Pagoda Dogwood | 6- 7' | B&B | Multi-trunk |
| 2 | Chionanthus virginicus | White Fringe Tree | 6-7' | B&B | Multi-trunk |
| 1 | Carpinus betulus "Fastigiata" | Columnare European Hornbeam | 3" | 8&B | Multi-trunk |
| 1 | Crataegus viridis "Winterking" | Winter King Hawthorn | 2" | B&B | |
| 3 | Fagus sylvatica "Red Obelisk" | Red Obelisk Beech Tree | 2" | B&B | |
| 3 | Quercus robur 'Fastigiata' | Skyrocket Oak | 2-1/2" | B&B | |
| 5 | Picea Glauca densata | lack Hills Spruce | 6-7' | B&B | |
| 1 | Pinus sylvetris | Scot Pine | 6-7' | 8&B | |
| 1 | Magnolia x "Leonard Messel" | Leonard Messel Magnolia | 7-8' | B&B | Multi-trunk |
| 15 | Amelanchier stolonifera | Running Serviceberry | !5-18" | cont. | |
| 5 | Cornus sericea "Cardinal" | Cardinal Redtwig Dogwood | 3-4' | cont. | |
| 9 | Hydrangea x 'Limelight' | Limelight Hydrangea | 18" | 3 gal | "Shiner" |
| 8 | Rhus aromatica 'Gro-Low' | Gro-low sumac | 18" | 3 gal | |
| 15 | Rosa rugosa 'Hansa' | Hansa Shrub Rose | 18" | 3 gal | |
| 5 | Rosa x 'Purple Pavement' | Purple Pavement shrub Rose | 18" | 3 gal | |
| 3 | Syringa x 'Miss Kim' | Miss Kim Lilac | 18" | 3 gal | |
| 3 | Syringa patula 'Little Boy blue' | Little Boy Blue Lilac | 24" | 3 gal | |
| 1 | Viburnum x 'Juddii' | Judd Viburnum | 30-36" | B&B | |
| 4 | Viburnum lantana 'Mohican' | Mohawk viburnum | 3-4' | cont. | |
| 1 | Viburnum carlesii | Korean spice Viburnum | 30-36" | B&B | |
| 6 | Viburnum trilobum 'Hahs' | Hah's Viburnum | 3-4' | cont. | |
| | | | | | |
| 9 | Vibumum dentatum 'Blue Muffin' | Blue Muffin Viburnum | 3-4' | cont. | |
| 7 | Weigela florida 'Wine and Roses' | Wine and Roses Weigela | 24-30" | cont. | |
| 54 | Buxus x 'Green Mountain' | Green Mountain Boxwood | 18" | cont. | |
| 9 | Illex x 'Berrimagic' | Berrymagic Winterberry | 18" | cont. | |
| 14 | Juniperus chinensis Pfitzeriana | Pfitzer Juniper | 24-30" | cont. | |
| 3 | Juniperus chinensis 'Kallay's | Kallays Compact Juniper | 24" | cont. | |
| 9 | Juniperus x 'Sea Green' | Sea Green Juniper | 24-30" | cont. | |
| 12 | Mahonia aquifolium | Oregongrape Holly | 18-24" | cont. | Compact variety |
| 10 | Taxus x 'Tauntonii' | Taunton yew | 24-30" | cont. | |
| 2 | Picea x 'Birds Nest' | Birds Nest Spruce | 18" | cont. | |
| 3 | Pinus mugho 'Enci' | Encí Mugo Pine | 18" | cont. | |
| 2 | Pinus x Globosum | Globe White Pine | 24" | cont. | |
| 1 | Pinus x 'Mops' | Mop's Pine | 24" | cont. | |
| 594 | Euonymus fortunei var.coloratus | Purpleleaf Wintercreeper | 3" | pot | |
| 30 | Aster | Fall Aster | 1 gal | pot | |
| 30 | Hemerocallis | Tetraploid Daylily | 1 gal | pot | |
| 132 | Hosta | Hosta | 1gal | pot | |
| 60 | Sedum | Sedum | 1 gal | pot | |
| 582 | Ornamental Grasses | Grasses | 1 gal | pot | |
| | | | - 0 | _ F - 1 | |

| | PARAGO | N PLACE- SHEET | L1.3 | FEBR | UARY 02, 2016 |
|----------------------|---|---------------------------------|------------------|--------------|---------------|
| Qty | Botanical Name | Common Nam e | Size | Root Cnd | Comments |
| 3 | Acer griseum | Paperbark Maple | 2-1/2" | B&B | |
| 1 | Acer palmatum 'Bloodgood' | Bloodgood Japanese Maple | 6-7' | B&B | |
| 3 | Amelanchier x 'Cumulus' | Cumulus' Serviceberry | 8-9' | B&B | Multi-trunk |
| 15 | Betula nigra 'Heritage' | Heritage' River Birch | 10-12' | B&B | |
| 3 | Cornus mas 'Golden Glory' | Golden Glory' Cornealiancherry | 7-8' | B&B | Multi-trunk |
| 2 | Crataegus crus galli inermis | Thornless Hawthorn | 5-6' | B&B | Multi-trunk |
| 1 | Magnolia x "Ann" | Ann Magnolia | 5-6' | B&B | |
| 3 | Ostrya virginiana | Ironwood | 2-1/2" | B&B | |
| 1 | Syringa reticulata | Japanese Tree Lilac | 2" | B&B | |
| 1 | Picea abies | Norway Spruce | 10' | B&B | |
| 4 | Pinus sylvestris | Scot Pine | 6-7' | B&B | |
| 15 | · | Cool Splash Dwarfbush | 18" | cont | |
| 15 | Diervilla sessilifolia 'Coolsplash' Diervilla sessilifolia 'Butterfly' | Honeysuckle | 18 | cont. | |
| 15 | , | Butterfly' Dwfbush Honeysuckle | | cont. | |
| 6 | Hydrangea quecifolia 'Sikes' | Sikes' Hydrangea | 18" 18" | cont. | |
| 7 | Kerria japonica 'Geisha' | Geisha' Kerria | | cont. | |
| 9 | Rhus aromatica "Gro-low" | Gro-Low Fragrant Sumac | 18" | cont. | |
| 5 | Rosa rugosa " Purple Pavement' Viburnum x "Juddii" | Purple Pavement' Shrub Rose | 18" | cont. B&B | |
| 1 | | Judd Viburnum | 24-30" | | |
| 1 | Viburnum carlesii | Koreanspice Viburnum | 24-30" | B&B | |
| 3 | Viburnum dentatum "Blue Muffin" | Blue Muffin Viburnum | 30-36" | B&B | |
| 10 | Viburnum dentatum "Chicago Lustre" | Chicago Lustre Viburnum | 3-4" | cont. | |
| 5 | Viburnum prunifolium | Blackhaw Viburnum | 5-6' | B&B | |
| | Physocarpus opulifolius "Summer Wine" | Summer Wine Ninebark | 4-Mar | cont. | |
| 42 | Buxus x 'Green Mountain' | Green Mountain Boxwood | 18" | B&B | |
| 8 | Juniperus chinensis Pfitzeriana "Kallays Compact" | Kallays Compact Pfitzer Juniper | 24-30" | cont. | |
| 10 | Juniperus sargentii viridis | Green Sargent Juniper | 24-30" 24-30" | cont. | |
| 5 | Juniperus sargentii var. glauca | Blue Sargent Juniper | 24-30" 24-30" | cont. | |
| 9 | Juniperus x "Grey Owl" | Grey Owl Juniper | 24-30" 24-30" | cont. | |
| 2 | Picea omorika 'Nana' | Dwarf Serbian spruce | 24-30 18" | cont. | |
| 10 | Taxus x 'Tautonii' | Tuaton Yew | 24-30" | B&B | |
| 2944 | Pachysandra terminalis | Pachysandra | 24-50 plug | 32/flat | |
| 2944 2 4 0 | Geranium | Perennial Geranium | | | |
| 360 | Sedum | Sedum | 1 gal | cont. | |
| 288 | Ornamental Grasses | | 1 gal 1 gal | cont. | |
| | Ornamental Glasses | Grasses | TS91 | cont. | |

by UNITED FINANCIAL GROUP, INC. 660 W. Ridgeview Drive Appleton, WI 54911

PARAGON PLACE- SHEET L1.2 FEBRUARY 02, 2016

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GARLAND ALLIANCE P.O. BOX 510125 MILWAUKEE, WI 53203

MR. TIM R.S. GARLAND, RLA MASTER LANDSCAPE ARCHITECT

DATE: 06-22-2016

| Qty | Botanical Name | Common Name | Size | Root Cnd | Comments |
|------|--------------------------------|------------------------------|--------|----------|-------------|
| 2 | Amelanchier x 'Princess diana' | Princess Diana Serviceberry | 8-Jul | B&B | Multi-trunk |
| 15 | Betula nigra 'Heritage' | Heritage River Birch | 8-10' | B&B | Multi-trunk |
| 3 | Cercis canadensis | Eastern Redbud | 6-7' | B&B | Multi-trunk |
| 3 | Cotinus x 'Young Lady' | Young lady Smokebush | 6-7' | B&B | |
| 2 | Cornus alternifolia | Pagoda Dogwood | 7-8' | B&B | Multi-trunk |
| 1 | Hamamelis vernalis 'Diana' | Diana Witchhazel | 5-6' | B&B | |
| 1 | Heptacodium miconiodes | Seven Son flower | 6-7' | B&B | |
| 1 | Magnolia stellata | Star Magnolia | 5-6' | B&B | Multi-trunk |
| 3 | Malus x 'Tina' | Tina flowering Crab | 5-6' | B&B | Multi-trunk |
| 1 | Nyssa sylvatica | Black Tupelo | 2-1/2" | B&B | |
| 1 | Syringa reticulata | Japanese Tree Lilac | 6-7' | B&B | Multi-trunk |
| 2 | Picea omorika 'Compactum' | Dwarf Serbian Spruce | 18" | cont. | |
| | Pinus flexis 'Vanderwolf's | • | | | |
| 2 | Pyramid' | Vanderwolf's Pine | 6-7' | B&B | |
| 8 | Hydrangea 'Vanilla Strawberry' | Vanilla Strawberry Hydrangea | 18" | cont. | |
| 12 | Hydrangea quercifolia 'Sikes' | Sikes Hydrangea | 18" | 3 gal. | |
| 1 | Illex 'shamrock' | Male Holly | 18" | 3 gal | |
| 6 | Illex x 'Afterglow' | Afterglow Holly | 18" | 3 gal | |
| 5 | Itea 'Merlot' | Merlot Itea | 24" | 3 gal | |
| 3 | Syringa patula 'Palabin' | Dwarf Korean Lilac | 24" | 3 gal | |
| 9 | Rosa rugosa 'Hansa' | Hansa Shrub Rose | 18" | cont. | |
| 7 | Rosa rugosa 'Purple Pavement' | Purple Pavement Shrub Rose | 18" | cont. | |
| 22 | Rhus aromatica 'Gro-Low' | Gro Low Sumac | 18" | 3 gal | |
| | Spiraea bumalda 'Anthony | | | - 8 | |
| 3 | Waterer' | Anthony Water Spirea | 18" | cont. | |
| 4 | Viburnum prunifolium | Blackhaw Viburnum | 5-6' | B&B | |
| 7 | Viburnum trilobum 'Red Wing' | Red Wing Viburnum | 24-30" | 3 gal | |
| 7 | Weigela florida 'Fine Wine' | Fine Wine Weigela | 24-30" | cont. | |
| 26 | Buxus x 'Green Mountain' | Green Mountain Boxwood | 18" | B&B | |
| 7 | Juniperus x 'Grey Owl' | Grey Owl Juniper | 24-30" | cont. | |
| 3 | Juniperus x 'Sea Green' | Sea Green Juniper | 24-30" | cont. | |
| 5 | Juniperus sargentii viridis | Green Sargent Juniper | 24-30" | cont. | |
| 7 | Juniperus chinensis 'Gold Tip' | Gold Tip Juniper | 24-30" | cont. | |
| | | | | | |
| 9 | Mahonia aquifolium 'Compactum' | Dwarf Oregon Grape Holly | 24" | cont. | |
| 2 | Picea omorika 'Nana' | Dwarf Serbian spruce | 18" | cont. | |
| 3 | Rhododendron x PJM | PJM Rhododendron | 18" | B&B | |
| 10 | Taxus x 'Tautonii' | Tauton Yew | 24-30" | B&B | |
| 1 | Tsuga canadensis 'sargentii' | Sargent Hemlock | 24-30" | cont. | |
| 1664 | Pachysandra terminalis | Pachysandra | plug | 32/flat | |
| 408 | Lamiastrum 'Herman's Pride' | Archangel | 4-1/2" | cont. | |
| 30 | Sedum 'Frosty Morn' | Frosty Morn Sedum | 1gal | cont. | |
| 120 | Sedum 'Autumn fire' | Autumn Fire Sedum | 4-1/2" | cont. | |
| 200 | Sedum 'Angelina' | Angelina Sedum | 4-1/2" | cont. | |
| 144 | Hakonechloa 'Aurorea' | All Gold Hakonechloa Grass | 4-1/2" | cont. | |
| 170 | Ornamental Grasses | Grasses | 1gal | cont. | |

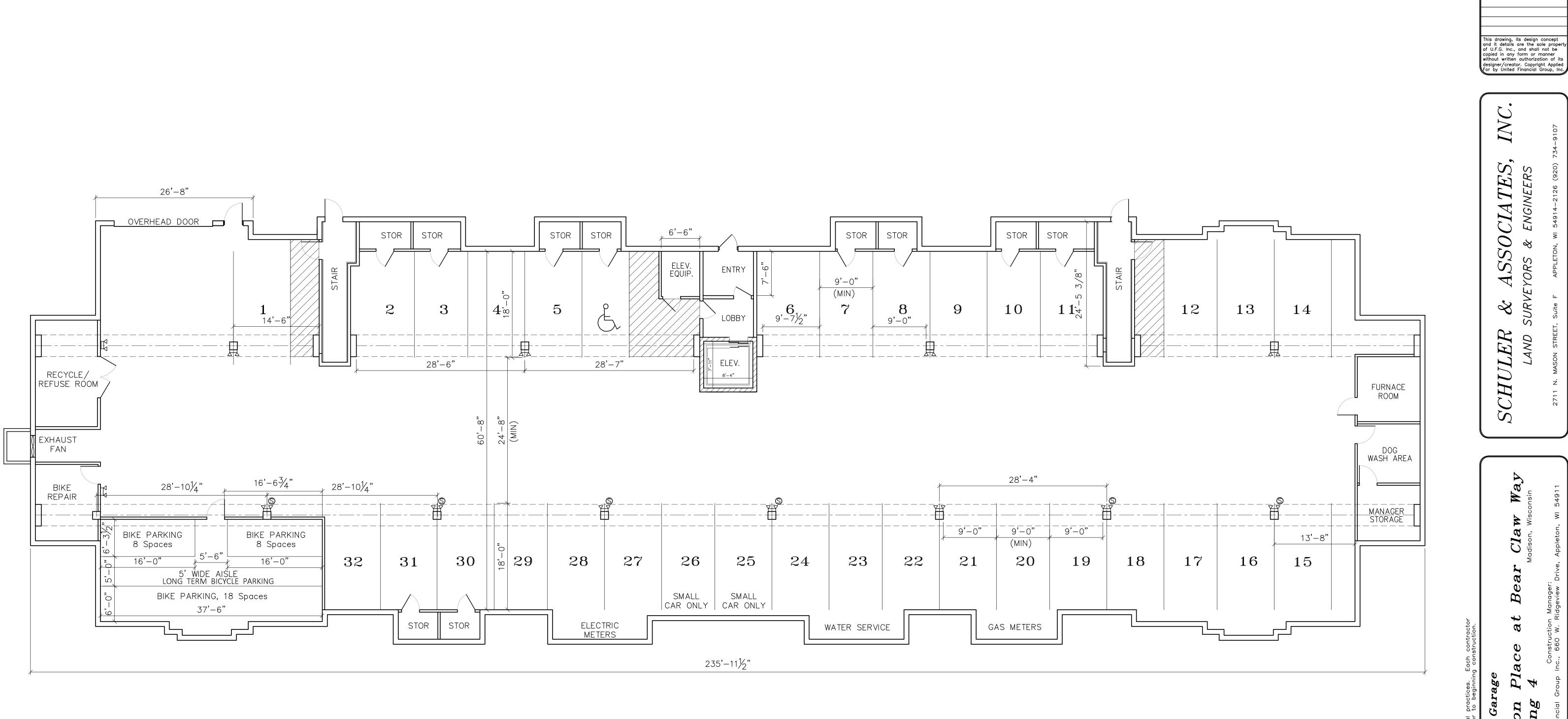
PARAGON PLACE- SHEET L1.5 JUNE 9, 2016

| | Revised:9.June.2016 | | - | | |
|-----|------------------------------------|--------------------------------|--------|----------|-------------|
| Qty | Botanical Name | Common Name | Size | Root Cnd | Comments |
| 1 | Acer palmatum 'Emperor One' | Emperor One' Japanese Maple | 6-7' | B&B | |
| 1 | Acer platanoides 'Royal Red' | Royal Red Maple | 2-1/2" | B&B | |
| 3 | Betula nigra 'Heritage' | Heritage' River Birch | 10-12' | B&B | |
| 1 | Aesculus flava | Yellow Buckeye | 2-1/2" | B&B | |
| 1 | Amelanchier x "Cumulus" | Cumulus Serviceberry | 8-10' | B&B | Multi-trunk |
| 1 | Carpinus betulus 'Fastigiata' | Columnare European Hornbeam | 2" | B&B | |
| 3 | Cornus mas 'Golden Glory' | Golden Glory' Cornealiancherry | 7-Jun | B&B | Multi-trunk |
| 3 | Gymnocladus dioica | Kentucky Coffeetree | 2-1/2" | B&B | |
| 2 | Cotinus coggygria 'Royal Purple' | Royal Purple' smokebush | 6-7' | B&B | Multi-trunk |
| 1 | Heptacodium miconiodes | Seven Son flower | 6-7' | B&B | Multi-trunk |
| 2 | Fagus fastigiate 'Red Obelisk' | Red Obelisk' Beech | 10' | B&B | |
| 1 | Magnolia stellata | Star Magnolia | 5-6' | B&B | |
| 2 | Malus x "Red Jewel" | Red Jewel Crab | 6-7' | B&B | Multi-trunk |
| 1 | Picea omoríka | Serbian spruce | 7-8' | B&B | |
| 1 | Picea pungens glauca | Blue Spruce | 6-7' | B&B | |
| 14 | Diervilla sessilifolia "Butterfly' | Butterfly' Dwfbush Honeysuckle | 18" | cont. | |
| 38 | Buxus x 'Green Velvet' | Green Velvet' Boxwood | 18" | B&B | |
| 7 | Juniperus virginiana 'Grey Owl' | Grey Owl' Juniper | 24-30" | cont. | |
| | Juniperus chinensis pfitzeriana | | | | |
| 7 | 'Sea Green' | Sea Green Juniper | 24" | cont. | |
| 16 | Juniperus sargentii glauca | Blue Sargent Juniper | 24-30" | cont. | |
| 10 | Juniperus sargentii viridis | Green Sargent Juniper | 24-30" | cont. | |
| 1 | Picea nana 'Pumilo' | Pumilo' Dwarf Spruce | 18" | cont. | |
| 1 | Picea omorika | Serbian Spruce | 6-7' | B&B | |
| 5 | Taxus x 'Tautonii' | Tauton Yew | 24-30" | cont. | |
| | Euoynumus fortuneii var. | Purpleleaf Wintercreeper | | | |
| 450 | coloratus | Euonymus | 3" | cont. | |
| 168 | Sedum | Sedum | 1 gal | cont. | |
| 324 | Ornamental Grasses | Grasses | 1 gal | cont. | |
| 32 | Aster | Fall Aster | 1 gal | cont. | |
| 42 | Hemerocallis | Tetraploid Daylily | 1 gal | cont. | |

PARAGON PLACE- SHEET L1.6 FEBRUARY 02, 2016

| Qty | Botanical Name | Common Name | Size | Root Cnd | Comments |
|-----|-------------------------|-------------------------|--------|----------|-------------------|
| 3 | Betula nigra 'Heritage' | Heritage' River Birch | 10-12' | B&B | |
| 1 | Larix kamperifera | Japanese Larch | 9-10' | B&B | |
| 3 | Larix decidua | European Larch | 9-10' | B&B | |
| 6 | Taxodium distichum | Baldcypress | 10-12' | B&B | |
| 2 | Salix x 'Niobe" | Niobe' Willow | 2-1/2" | B&B | |
| 9 | Aronia arbutifolia | Red Chokeberry | 3-4' | cont. | "Brilliantissima" |
| 18 | Conus x 'Artic Fire' | Artic Fire' Dogwood | 3-4' | cont. | |
| 5 | Salix purpera 'Nana' | Dwarf Blue Artic Willow | 5-6' | cont. | |
| 310 | Ornamental Grasses | Grasses | 1 gal | cont. | |

| P.O. BOX 510125 MILWAUKEE, WI 53203 PHONE: (414) 962-1602 EMAIL: tim@gardensbygarland.com |
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| ALE SURVE LAND SURVE LAND SURVE LAND SURVE LAND SURVE LAND SURVE LAND INFORMATION INFORMATIO |
| PARAGON PLACE |
| PROJECT: PROJECT: PARAGON PLACE AT BEAR CLAW WAY CITY OF MADISON, WI BY: United Financial Group, Inc. 660 W. Ridgeview Drive Appleton, WI 54911 |
| REVISION HISTORYDATEDESCRIPTION6-22-16AMENTY AREA UPDATES4-28-16PER CITY COMMENTS |
| 3-25-16PER CITY COMMENTS2-02-16PHASE 1 PLANS12-21-15PER CITY COMMENTS5-26-15PER UDC COMMENT4-16-15INITIAL SUBMITTAL |
| DATE: JUNE 22, 2016 |
| |
| JOB NUMBER: 12041 |
| 12041 DESCRIPTION: LANDSCAPE |
| 12041 DESCRIPTION: |



Parking Garage

Parking

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REVISIONS

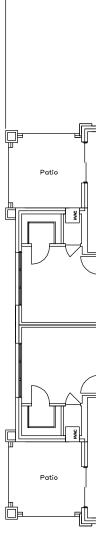
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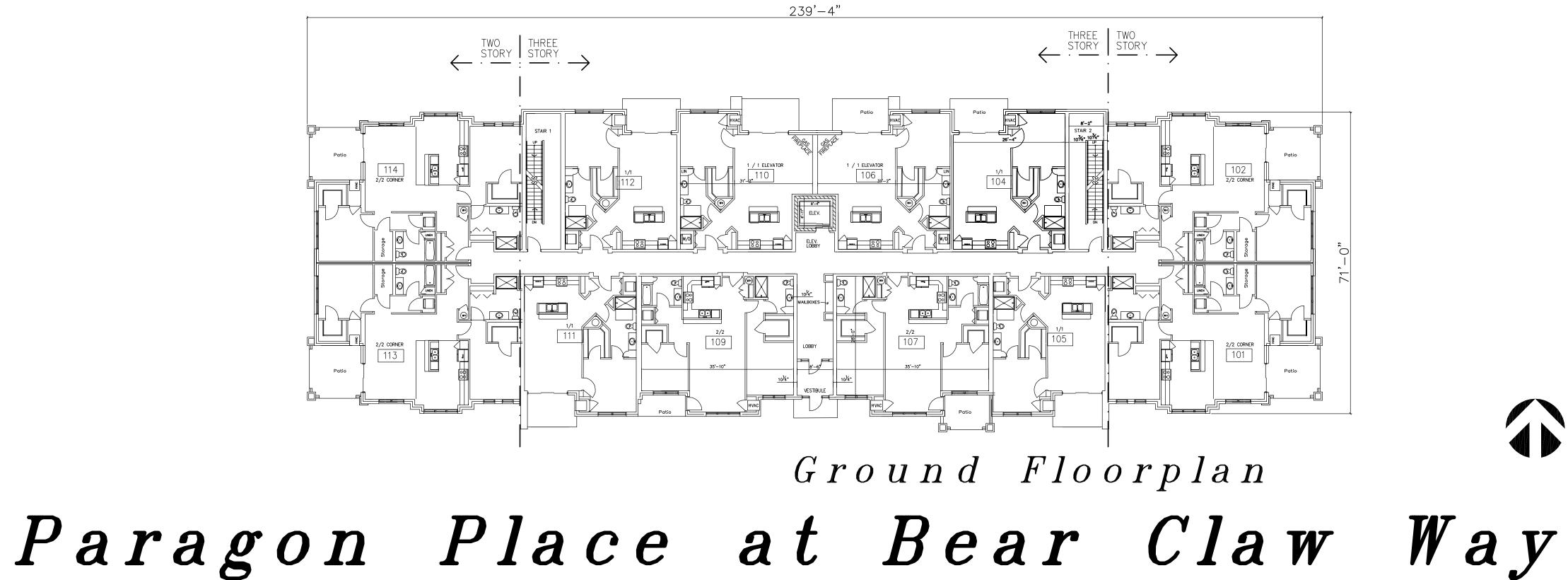
Paragon Building

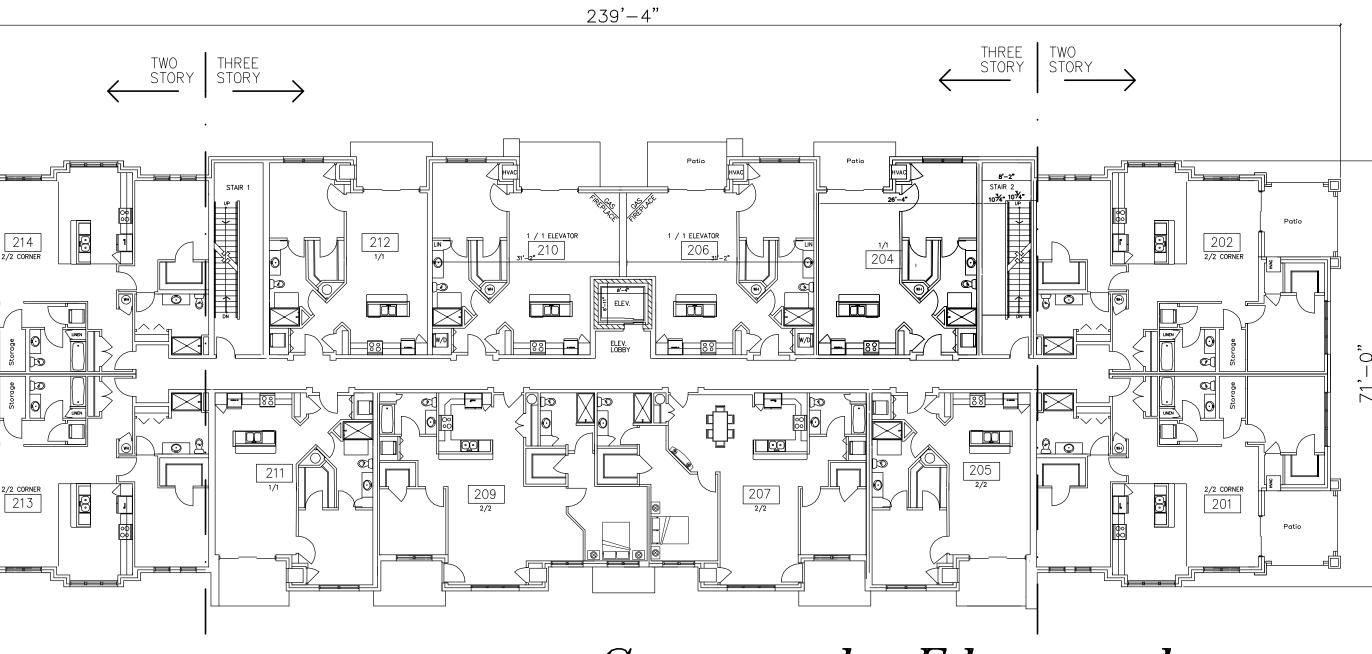
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DATE 1-5-16 SCALE 1/8"=1'-0" JOB NO. 4192 SHEET

4



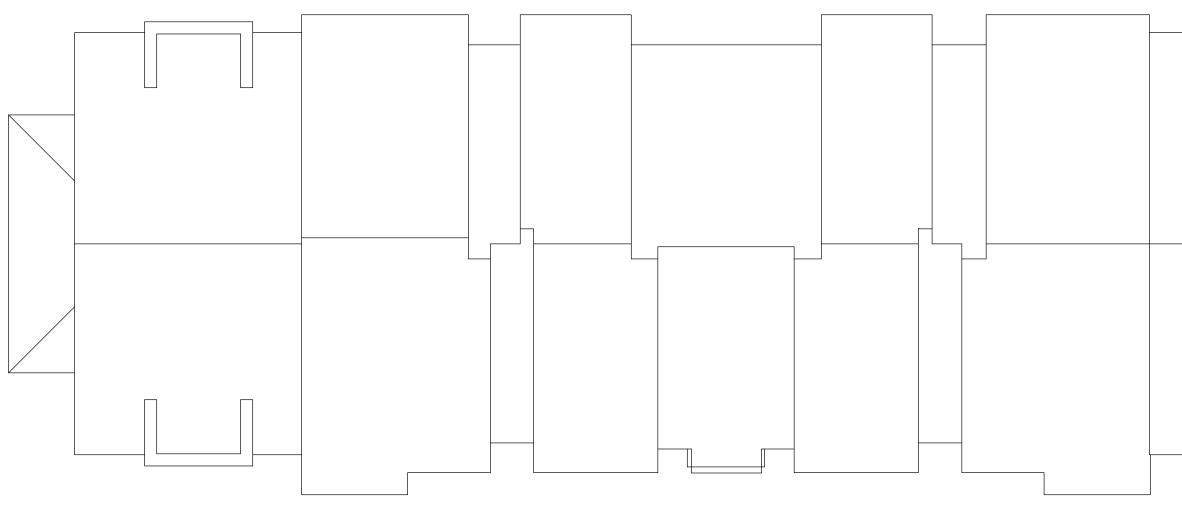




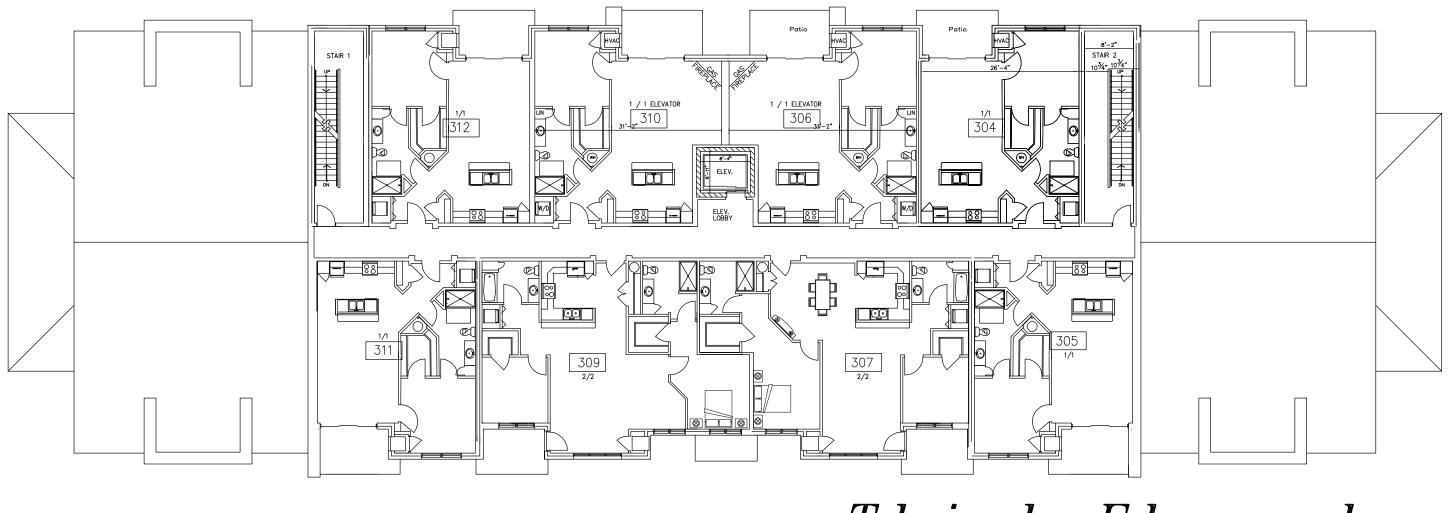
Second Floorplan

9604 WILRICH ST

BUILDING #4 FLOORPLANS Madison, Wisconsin Jan 5 2016

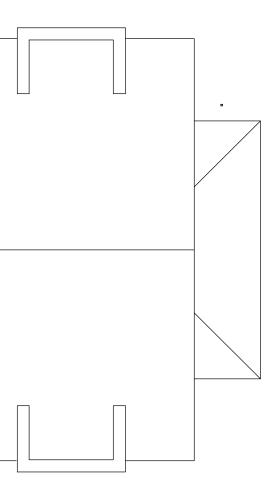


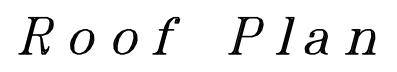




Third Floorplan

Paragon Place at Bear Claw Way **BUILDING #4 FLOORPLANS**





Madison, Wisconsin Jan 5 2016

| LUMI | NAIRE | SCI | HEDULE | | |
|--------|-------|-----|--|------|-------|
| Symbol | Label | Qty | Catalog Number | LLF | Watts |
| | OA | 21 | ALED3T50 - MOUNTED @ 18'AFG (TYPE 3) | 0.95 | 51.7 |
| | ОВ | 5 | ALED4T50 - MOUNTED @ 18'AFG (TYPE 4) | 0.95 | 52.1 |
| | OC | 13 | BLEDR24 (42" ROUND BOLLARD) | 0.95 | 31.2 |
| | | | | | |

LUMINAIRE SCHEDULE (CON'T)

- 49278AZTLEDE А
- S9538/S9516/S9508/S9501
- BL4603BZ С

| STATISTICS | | | | | | |
|---------------|--------|--------|--------|--------|---------|---------|
| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
| PARKING LOT 1 | Ж | 1.5 fc | 3.2 fc | 0.7 fc | 4.6:1 | 2.1:1 |
| PARKING LOT 2 | Ж | 1.3 fc | 4.6 fc | 0.3 fc | 15.3:1 | 4.3:1 |
| PARKING LOT 4 | Ж | 1.6 fc | 3.0 fc | 1.0 fc | 3.0:1 | 1.6:1 |
| PARKING LOT 5 | Ж | 1.3 fc | 3.2 fc | 0.6 fc | 5.3:1 | 2.2:1 |
| PARKING LOT 6 | Ж | 1.3 fc | 2.8 fc | 0.5 fc | 5.6:1 | 2.6:1 |
| PARKING LOT 7 | Ж | 1.4 fc | 4.9 fc | 0.5 fc | 9.8:1 | 2.8:1 |

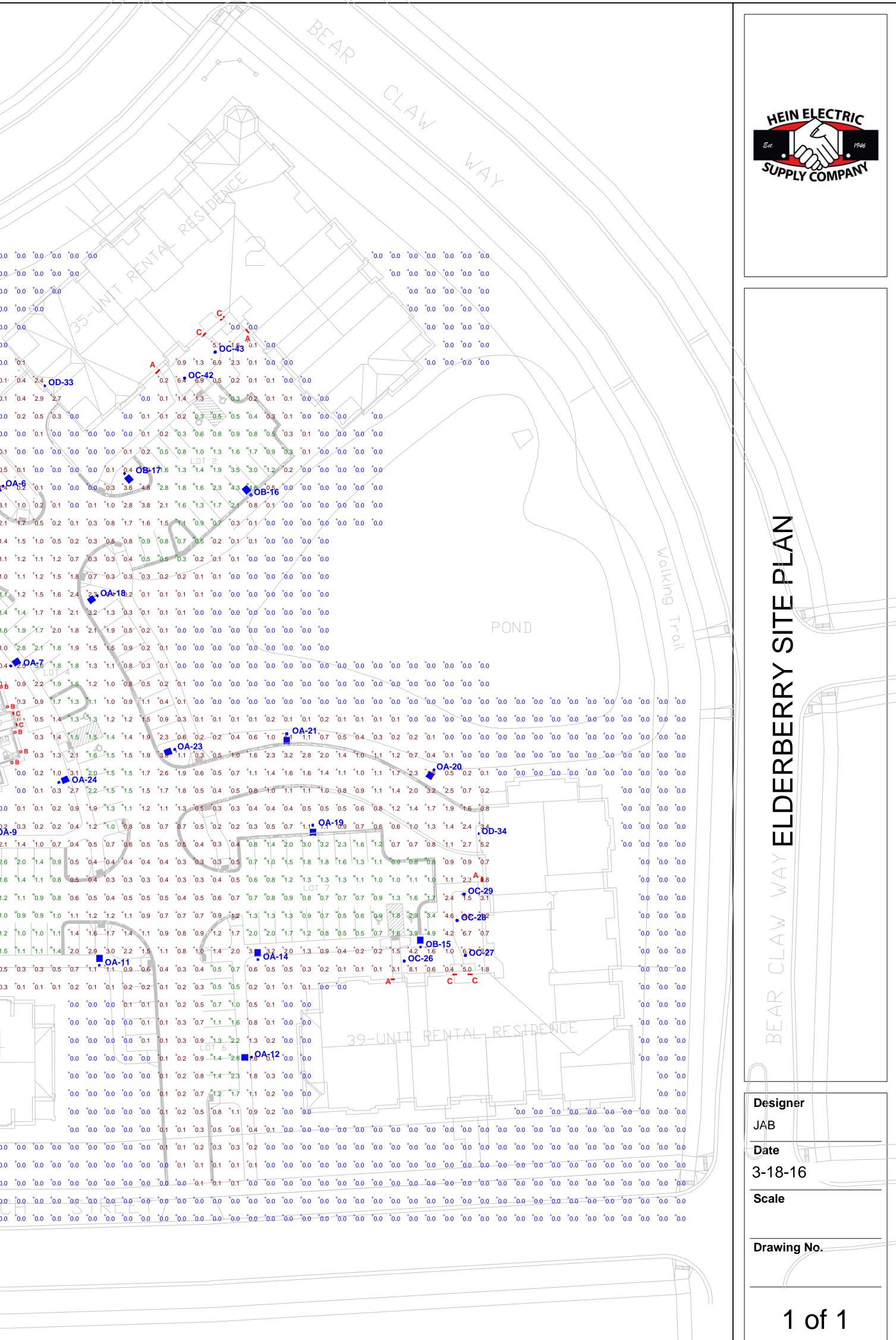
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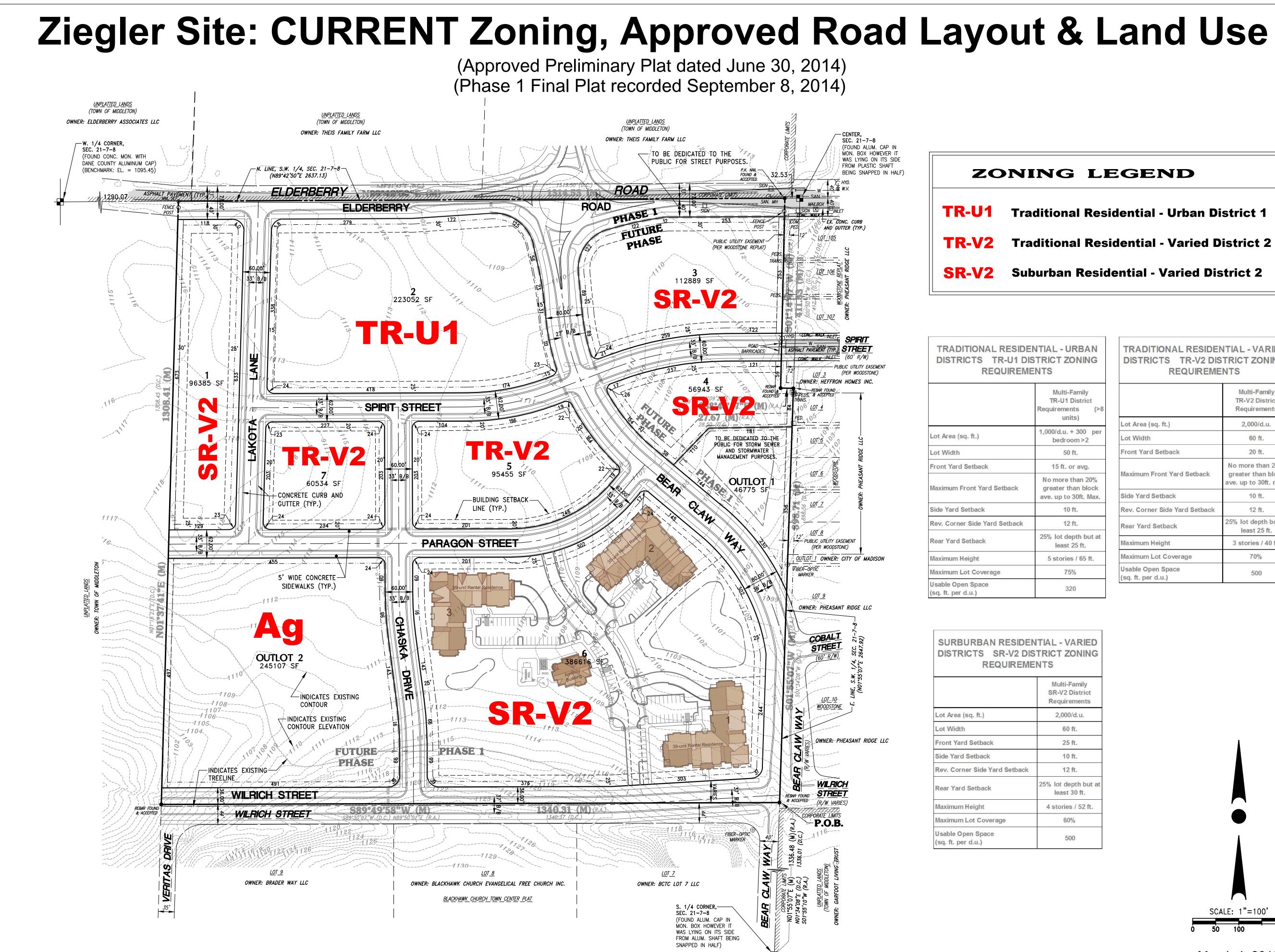
PARAGON STREET

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ZONING LEGEND

- **Traditional Residential Urban District 1**
- **Traditional Residential Varied District 2**

Suburban Residential - Varied District 2

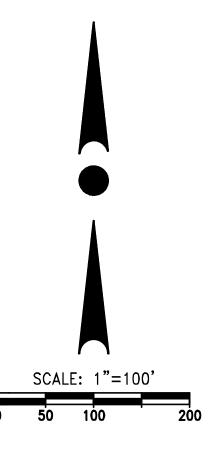
| TIAL - URBAN RICT ZONING ITS |
|---|
| Multi-Family TR-U1 District Requirements (>8 units) |
| 1,000/d.u. + 300 per bedroom >2 |
| 50 ft. |
| 15 ft. or avg. |
| No more than 20% greater than block ave. up to 30ft. Max. |
| 10 ft. |
| 12 ft. |
| 25% lot depth but at least 25 ft. |
| 5 stories / 65 ft. |
| 75% |
| 320 |

| TIAL - VARIED RICT ZONING TS |
|--|
| Multi-Family SR-V2 District Requirements |
| 2,000/d.u. |
| 60 ft. |
| 25 ft. |
| 10 ft. |
| 12 ft. |
| 25% lot depth but at least 30 ft. |
| 4 stories / 52 ft. |
| 60% |
| 500 |

| TR-V2 DISTRICT ZONING EQUIREMENTS |
|--|
| Multi-Family TR-V2 District Requirements |

TRADITIONAL RESIDENTIAL - VARIED

| | TR-V2 District Requirements |
|---|---|
| Lot Area (sq. ft.) | 2,000/d.u. |
| Lot Width | 60 ft. |
| Front Yard Setback | 20 ft. |
| Maximum Front Yard Setback | No more than 20% greater than block ave. up to 30ft. max. |
| Side Yard Setback | 10 ft. |
| Rev. Corner Side Yard Setback | 12 ft. |
| Rear Yard Setback | 25% lot depth but at least 25 ft. |
| Maximum Height | 3 stories / 40 ft. |
| Maximum Lot Coverage | 70% |
| Usable Open Space (sq. ft. per d.u.) | 500 |



March 4, 2019

| GRADY L GOSSER S-2972 MENOMONEE FALLS, WI SURVENININI |
|--|
| ATTOR W. CAPITOL DRIVE BROOKFIELD, WI 53045 PHONE: (262) 790-1480 EXX: (262) 790-1481 |
| PROJECT: PROJECT: PARAGON PLACE ELDERBERRY NEIGHBORHOOD CITY OF MADISON, WI CITY OF MADISON, WI BY: United Financial Group, Inc. 660 W. Ridgeview Drive Appleton, WI 54911 |
| REVISION HISTORYDATEDESCRIPTION06/30/14REV. PER COMMENTS03/11/14REV. PER COMMENTS02/11/14REV. PER COMMENTS01/22/14REV. PER COMMENTS03/06/13INTIAL SUBMITTAL |
| DATE: MARCH 6, 2013 JOB NUMBER: 12-041-311-01 |
| DESCRIPTION: PRELIMINARY PLAT |
| SHEET 1 OF 1 |



City of Madison Fire Department

30 West Mifflin Street, 8th & 9th Floors, Madison, WI 53703-2579 Phone: 608-266-4420 • Fax: 608-267-1100 • E-mail: fire@cityofmadison.com

Project Address: Paragon Place at Bear Claw Way - Lot 1

Contact Name & Phone #: Bob Zoelle - (920) 428-7694

FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

| Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? If non-sprinklered, fire lanes extend to within 150-feet of all portions of the exterior wall? If sprinklered, fire lanes are within 250-feet of all portions of the exterior wall? | Yes Yes Yes | ☐ No ☐ No ☐ No | N/A N/A N/A |
|---|--|--|--|
| 2. Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? a) Is the fire lane a minimum unobstructed width of at least 20-feet? b) Is the fire lane unobstructed with a vertical clearance of at least 13¹/₂-feet? c) Is the minimum inside turning radius of the fire lane at least 28-feet? d) Is the grade of the fire lane not more than a slope of 8%? e) Is the fire lane posted as fire lane? (Provide detail of signage.) f) Is a roll-able curb used as part of the fire lane? (Provide detail of curb.) g) Is part of a sidewalk used as part of the required fire lane? (Must support +85,000 lbs.) | ✓ Yes | No No No No No No No No No | □ N/A □ N/A □ N/A □ N/A □ N/A □ N/A □ N/A |
| 3. Is the fire lane obstructed by security gates or barricades? If yes:a) Is the gate a minimum of 20-feet clear opening?b) Is an approved means of emergency operations installed, key vault, padlock or key switch? | ☐ Yes ☐ Yes ☐ Yes | No No No No | N/A N/A N/A |
| 4. Is the Fire lane dead-ended with a length greater than 150-feet? If yes, does the area for turning around fire apparatus comply with IFC D103? | Yes Yes | No No | N/A N/A |
| 5. Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 3206.6 If yes, see IFC 3206.6 for further requirements. | Yes | No | N/A |
| | | | |
| 6. Is any part of the building greater than 30-feet above the grade plane? If yes, answer the following questions: a) Is the aerial apparatus fire lane parallel to one entire side of the building and covering at least 25% of the perimeter? b) Is the near edge of the aerial apparatus fire lane between 15' and 30' from the building? c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? d) Are there any tree canopies expected to grow across the aerial fire lane? (Based on mature canopy width of tree species) e) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? f) Is the space between the aerial lane and the building free of trees exceeding 20' in heights? 7. Are all portions of the required fire lanes within 500-feet of at least (2) hydrants? | Yes Yes Yes Yes Yes Yes Yes Yes | No No No No No No No No No | □ N/A |

Attach an additional sheet if further explanation is required for any answers.

This worksheet is based on MGO 34.503 and IFC 2012 Edition Chapter 5 and Appendix D; please see the codes for further information.

ALED3T50N



Specification grade area lights available in IES Type III distributions. For use for roadway, general parking and other area lighting applications where a larger pool of lighting is required. Mounts to 4" square steel poles at 20-35'. Patent pending thermal management system. 5 Year Warranty.

Color: Bronze

Weight: 32.0 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight.

DLC Listed:

This product is on Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Construction

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management:

Superior patent pending thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

Effective Projected Area:

EPA = 0.75

Housing:

Die cast aluminum housing, lens frame and mounting arm.

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

Reflector:

Specular vacuum-metallized polycarbonate

Type: Project: PARAGON PLACE AT BEAR OA Date: Prepared By: 3-17-16 **Driver Info** LED Info Constant Current Watts: 50W Type: 120V: 0.46A Color Temp: 4000K (Neutral) 208V: 0.27A Color Accuracy: 81 CRI 240\/-0.23A L70 Lifespan: 100,000 277V: 0.20A Lumens: 4.134 Input Watts: 52W Efficacy: 80 LPW Efficiency: 97%

Gaskets:

High temperature silicone gaskets

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

THD:

6.9% at 120V, 7.5% at 277V

Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

Other

Equivalency:

ALED™ 50W replaces 200W metal halide

California Title 24:

See ALED3T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.



Technical Specifications (continued)

Other

Patents:

The ALED[™] design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:

Designed by RAB in New Jersey and assembled in the

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Optical **BUG Rating:**

B0 U0 G1

Dimensions

4.5

11.4 cm

USA by RAB's IBEW Local 3 workers.

23.4″

59.4 cm

Features

66% energy cost savings vs. HID

- 100,000-hour LED lifespan
- Type III distribution
- 5-year warranty

Ordering Matrix

| Family | Distribution | Watts | Mount | Color Temp | Finish | Voltage | Photocell | Dimming | Sensor | Bi-Level |
|--------|---|-------|-----------------------------|---|---|--|---|---------------------------------------|--|---|
| ALED | 3Т | 50 | | Ν | | | | | | |
| | 2T = Type II 3T = Type III 4T = Type IV | 50W | = Arm SF = Slipfitter | = Cool Y = Warm N = Neutral | = Bronze W = White RG = Gray | = 120- 277V / 480 = 480V | = No Photocell /PC = 120V Button /PC2 = 277V Button /PCS = 120V Swivel /PCS2 = 277V Swivel /PCT = 120-277V Twistlock /PCS4 = 480V Swivel /PCT4 = 480V Twistlock | = No Dimming /D10 = Dimmable | /WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 50W) | = No Bi- Level /BL = Bi- Level |

157 38.1 cm

ALED4T50N

RAB



Specification grade area lights available in IES Type IV distributions. Suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. Mounts to 4" square steel poles at 20-35'. Patent pending management system. 5 Year Warranty.

Color: Bronze

Weight: 32.0 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations as a downlight.

DLC Listed:

This product is on Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label.

Dark Sky Approved:

The International Dark Sky Association has approved this product as a full cutoff, fully shielded luminaire.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Construction

IES Classification:

The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semiCircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Effective Projected Area:

EPA = 0.75

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management:

Superior patent pending thermal management design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments.

Housing:

Die cast aluminum housing, lens frame and mounting arm.

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws.

Reflector:

Specular vacuum-metallized polycarbonate

Project: Type: PARAGON PLACE AT BEAR OB Prepared By: Date: 3-17-16 **Driver Info** LED Info Constant Current 50W Type: Watts: 120V: 0.46A Color Temp: 4000K (Neutral) 208V: 0.27A Color Accuracy: 82 CRI 240\/-0.23A L70 Lifespan: 100,000

Lumens:

Efficacy:

4,586

88 LPW

Gaskets:

0.20A

52W

96%

277V:

Input Watts:

Efficiency:

High temperature silicone gaskets

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Electrical

Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

THD:

6.9% at 120V, 7.9% at 277V

Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

Other

Equivalency:

ALED™ 50W replaces 200W metal halide

California Title 24:

See ALED4T50/PC, ALED3T50/PCS or ALED3T50/PCT for a 2013 California Title 24 compliant model.



Technical Specifications (continued)

Other

Patents:

The ALED[™] design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:

Dimensions

4.5

11.4 cm

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

23.4″

59.4 cm

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Optical BUG Rating:

B0 U0 G1

Features

66% energy cost savings vs. HID

- 100,000-hour LED lifespan
- Type IV distribution
- 5-year warranty

Ordering Matrix

| Family | Distribution | Watts | Mount | Color Temp | Finish | Voltage | Photocell | Dimming | Sensor | Bi-Level |
|--------|---|-------|-----------------------------|---|---|----------------------------------|---|---------------------------------------|--|---|
| ALED | 4 | 50 | | Ν | | | | | | |
| | 2T = Type II 3T = Type III 4T = Type IV | 50W | = Arm SF = Slipfitter | = Cool Y = Warm N = Neutral | = Bronze W = White RG = Gray | = 120- 277V /480 = 480V | = No Photocell /PC = 120V Button /PC2 = 277V Button /PCS = 120V Swivel /PCS2 = 277V Swivel /PCT = 120-277V Twistlock /PCS4 = 480V Swivel /PCT4 = 480V Twistlock | = No Dimming /D10 = Dimmable | /WS2 = Multi-Level Motion Sensor (Only available for 120-277V with /D10 for 50W) | = No Bi- Level /BL = Bi- Level |

15" 38.1 cm

BLEDR24N



| | 27 |
|--|-----|
| LED bollard with architectural quality and strength at an affordable price point. Cylindrical post with round head. Available in 12, 18 and 24 Watt versions that provide 90, 180, 270 and 360 degree lighting patterns. | Eff |
| | |

Color: Bronze

Weight: 18.6 lbs

Technical Specifications

Listings

UL Listing:

Suitable for wet locations

IESNA LM-79 & IESNA LM-80 Testing:

RAB LED fixtures have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label

LED Characteristics

LEDs:

6W multi-chip, long-life LEDs

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011

Electrical

Driver:

Two Drivers, Constant Current, Class 2, 100-277V, 50/60 Hz, 4kV Surge Protection, 100-240VAC 0.3 -0.15 A, 277VAC 0.03 A

THD

10.9% at 120V

Construction

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C

Thermal Management:

Cast aluminum Thermal Management system for optimal heat sinking. The BLED is designed for cool operation, maximum efficiency and long life by minimizing LED junction temperature.

Housing:

Die-cast aluminum with extruded aluminum bollard shaft

Lens:

Clear, vandal-resistant polycarbonate

Mounting:

Four (4) anchor bolts provided for concrete pad mounting. Internal base support has leveling screws.

Reflector:

Specular polycarbonate

Gaskets:

High-temperature silicone gaskets seal out moisture gaskets seal out moisture

Gaskets:

High-temperature silicone gaskets seal out moisture

Project: Type: PARAGON PLACE AT BEAR OC Prepared By: Date: 3-17-16 **Driver Info** LED Info Constant Current Watts: 24W Type:

| 120V: | 0.26A | Color Temp: | 4000K (Neutral) |
|--------------|-------|-----------------|-----------------|
| 208V: | 0.18A | Color Accuracy: | 86 CRI |
| 240V: | 0.15A | L70 Lifespan: | 100,000 |
| 277V: | 0.14A | Lumens: | 1,203 |
| Input Watts: | 31W | Efficacy: | 39 LPW |
| Efficiency: | 78% | | |
| | | | |

Finish[.]

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

Other

Patents:

The design of BLED is protected by patents pending in US, Canada, China, Taiwan and Mexico.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Aareements Act.

BLEDR24N



Technical Specifications (continued)

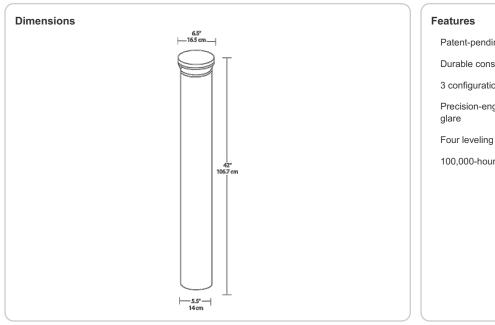
Other

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.



B1 U1 G0



Patent-pending base mount design for super sturdy installation

Durable construction and vandal-resistant polycarbonate lens

3 configurations to provide 360°, 270°, 180° or 90° lighting pattern

Precision-engineered optics deliver maximum downward lighting w/o

Four leveling screws provided for easy installation

100,000-hour LED lifespan

| dering Matrix | | | | | |
|---------------|-----------|---|-----------------------------------|------------------------------|--|
| Family | Shape | Watts | Color Temp | Finish | Туре |
| BLED | R | 24 | Ν | | |
| | R = Round | 12 = 12W 18 = 18W 24 = 24W | = Cool Y = Warm N = Neutral | = Bronze W = White | = 90° (12W), 270° (18W) , 360° (24W) lighting patterns 180 = 180° lighting pattern (12W) |

DESCRIPTION

The patented Lumark Crosstour[™] LED Wall Pack Series of luminaries provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment make the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall/surface, inverted mount for façade/canopy illumination, post/bollard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

SPECIFICATION FEATURES

Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and large design. The small housing is available in 7W and 18W. The large housing is available in the 26W model. Patent pending secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three (3) half-inch, NPT threaded conduit entry points. The universal back box supports both the small and large forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. Onepiece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Solid state LED Crosstour luminaries are thermally optimized with five (5) lumen packages in cool 5000K or neutral warm 3500K LED color temperature (CCT).

Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 7W models operate in -40°C to 40°C [-40°F to 104°F]. 18W and 26W models operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 90% of initial

| Catalog # | XTOR2A-N | Туре |
|-------------|-----------------|------|
| | | OD |
| Project | ELDERBERRY SITE | |
| Comments | | Date |
| Prepared by | | |

light output after 72,000 hours of operation. Three (3) half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back cal

electronic driver incorporates surge protection. 120-277V 50/60Hz or 347V 60Hz models.

Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life.

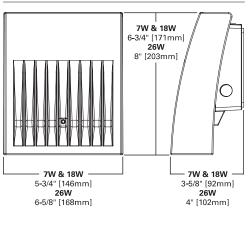
Warranty Five-year warranty.

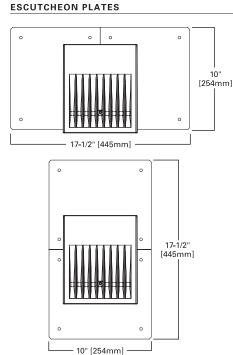


XTOR CROSSTOUR LED

APPLICATIONS: WALL / SURFACE POST / BOLLARD LOW LEVEL FLOODLIGHT INVERTED SITE LIGHTING

DIMENSIONS







CERTIFICATION DATA

UL/cUL Wet Location Listed LM79 / LM80 Compliant ROHS Compliant ADA Compliant NOM Compliant Models IP66 Ingressed Protection Rated Title 24 Compliant DesignLights Consortium® Qualified*

TECHNICAL DATA

40°C Maximum Ambient Temperature External Supply Wiring 90°C Minimum

EPA

Effective Projected Area (Sq. Ft.): XTOR1A/XT0R2A=0.34 XTOR3A=0.45

SHIPPING DATA: Approximate Net Weight: 3.7 – 5.25 lbs. [1.7 – 2.4 kgs.]

FATON Powering Business Worldwide

Lumark

LUMEN MAINTENANCE

| Ambient Temperature | TM-21 Lumen Maintenance (72,000 Hours) | Theoretical L70 (Hours) |
|------------------------|--|-----------------------------------|
| XTOR1A Mode | el . | • |
| 25°C | > 92% | > 290,000 |
| 40°C | > 92% | > 290,000 |
| 50°C | > 91% | > 270,000 |
| XTOR2A Mode | el . | |
| 25°C | > 91% | > 270,000 |
| 40°C | > 90% | > 260,000 |
| 50°C | > 88% | > 225,000 |
| XTOR3A Mode | | |
| 25°C | > 91% | > 280,000 |
| 40°C | > 91% | > 270,000 |
| 50°C | > 89% | > 240,000 |

LUMENS - CRI/CCT TABLE

| LED Information | XTOR1A | XTOR2A | XTOR2A-N | XTOR3A | XTOR3A-N |
|--|----------|----------|----------|----------|----------|
| Delivered Lumens (Wall Mount) | 722 | 1,633 | 1,523 | 2,804 | 2,284 |
| Delivered Lumens (With Flood Accessory Kit) ¹ | 468 | 1,060 | 978 | 2,168 | 1,738 |
| B.U.G. Rating ² | B0-U0-G0 | B1-U0-G0 | B1-U0-G0 | B1-U0-G0 | B1-U0-G0 |
| CCT (Kelvin) | 5,000 | 5,000 | 3,500 | 5,000 | 3,500 |
| CRI (Color Rendering Index) | 65 | 65 | 70 | 65 | 70 |
| Power Consumption (Watts) | 7W | 18W | 18W | 26W | 26W |

NOTES: 1 Includes shield and visor. 2 B.U.G. Rating does not apply to floodlighting.

CURRENT DRAW

| Voltage | Model Series | | | | | |
|---------|--------------|--------|--------|--|--|--|
| voitage | XTOR1A | XTOR2A | XTOR3A | | | |
| 120V | 0.05A | 0.15A | 0.22A | | | |
| 208V | 0.03A | 0.08A | 0.13A | | | |
| 240V | 0.03A | 0.07A | 0.11A | | | |
| 277V | 0.03A | 0.06A | 0.10A | | | |
| 347V | 0.025A | 0.058A | 0.082A | | | |

ORDERING INFORMATION

Sample Number: XTOR2A-N-WT-PC1

| • | | | | |
|---|---|---|---|---|
| Series ¹ | LED Kelvin Color | Housing Color | Options (Add as Suffix) | Accessories (Order Separately) |
| XTOR1A=Small Door, 7W XTOR2A=Small Door, 18W XTOR3A=Small Door, 26W | [Blank]=Bright White (Standard) 5000K N=Neutral Warm White, 3500K ² | [Blank]= Carbon Bronze (Standard) WT= Summit White | PC1=Photocontrol 120V ³ PC2=Photocontrol 208-277V ^{3,4} 347V=347V ⁵ HA=50°C High Ambient ⁵ | WG/XTOR=Wire Guard ⁶ XTORFLD-KNC=Knuckle Floodlight Kit ⁷ XTORFLD-TRN=Trunnion Floodlight Kit ⁷ XTORFLD-TRN=Knuckle Floodlight Kit, Summit White ⁷ XTORFLD-TRN-WT=Knuckle Floodlight Kit, Summit White ⁷ EWP/XTOR=Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT=Escutcheon Wall Plate, Summit White |

NOTES: 1 DesignLights Consortium[®] Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2 XTORIA not available in 3500K. 3 Photocontrols are factory installed. 4 Order PC2 for 347V models. 5 Thru-branch wiring not available with HA option or with 347V. 6 Wire guard for wall/surface mount. Not for use with floodlight kit accessory. 7 Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.

STOCK ORDERING INFORMATION

| 7W Series | 18W Series | 26W Series |
|--|--|--|
| XTOR1A=7W, 5000K, Carbon Bronze | XTOR2A=18W, 5000K, Carbon Bronze | XTOR3A=26W, 5000K, Carbon Bronze |
| XTOR1A-WT=7W, 5000K, Summit White | XTOR2A-N=18W, 3500K, Carbon Bronze | XTOR3A-N=26W, 3500K, Carbon Bronze |
| XTOR1A-PC1=7W, 5000K, 120V PC, Carbon Bronze | XTOR2A-WT=18W, Summit White | XTOR3A-WT=26W, Summit White |
| | XTOR2A-PC1=18W, 120V PC, Carbon Bronze | XTOR3A-PC1=26W, 120V PC, Carbon Bronze |

5-DAY QUICK SHIP ORDERING INFORMATION

| 7W Series | 18W Series | 26W Series |
|--|---|---|
| XTOR1A-WT-PC1=7W, 5000K, Summit White, 120V PC | XTOR2A-PC2=18W, 5000K, 208-277V PC, Carbon Bronze | XTOR3A-PC2=26W, 5000K, 208-277V PC, Carbon Bronze |
| | XTOR2A-WT-PC1=18W, 5000K, Summit White, 120V PC | XTOR3A-WT-PC1=26W, 5000K, Summit White, 120V PC |
| | XTOR2A-WT-PC2=18W, 5000K, Summit White, 208-277V PC | XTOR3A-WT-PC2=26W, 5000K, Summit White, 208-277V PC |
| | XTOR2A-N-WT=18W, 3500K, Summit White | XTOR3A-N-WT=26W, 3500K, Summit White |
| | XTOR2A-N-PC1=18W, 3500K, 120V PC, Carbon Bronze | XTOR3A-N-PC1=26W, 3500K, 120V PC, Carbon Bronze |
| | XTOR2A-N-PC2=18W, 3500K, 208-277V PC, Carbon Bronze | XTOR3A-N-PC2=26W, 3500K, 208-277V PC, Carbon Bronze |
| | XTOR2A-N-WHT-PC1=18W, 3500K, Summit White, 120V PC | XTOR3A-N-WHT-PC1=26W, 3500K, Summit White, 120V PC |
| | XTOR2A-N-WT-PC2=18W, 3500K, Summit White, 208-277V PC | XTOR3A-N-WT-PC2=26W, 3500K, Summit White, 208-277V PC |

Specifications and

dimensions subject to change without notice.





HEIN ELECTRIC SUPPLY COMPANY 12745 W. TOWNSEND ST. BROOKFIELD, WI. 53005 262-790-8400

UNITED CONSTRUCTION – ELDERBERRY SITE



PART NUMBER: 49278AZTLED

DESCRIPTION: WALL MOUNT, UP/DOWN ILLUMINATION, CLEAR TEMPERED ETCHED GLASS ON TOP AND BOTTOM, TEXTURED ARCHITECTURAL BRONZE FINISH. 7" WIDE, 7-1/2" HIGH

LAMPS: 8 WATT LED

A – SECONDARY/STAIR ENTRANCE EXTERIOR

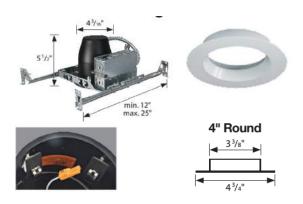


PART NUMBER: BL4603BZ

DESCRIPTION: WALL MOUNT, BRONZE FINISH WITH OPAL WHITE GLASS. 7-1/4" WIDE, 17-1/4" HIGH

LAMPS: 18 WATT LED, 1260 LUMENS 2700K

C – EXTERIOR WALL LANTERN



PART NUMBER: S9538 (HSG) / S9516 (TRIM) / S9508 (REFLECTOR) / S9501 (LED INSERT)

DESCRIPTION: RECESS MOUNT, 30 DEGREE, 3000K, 90CRI LED INSERT. 550 LUMENS

B – SOFFIT RECESS

APPROVED BY:_____ DATE:_____

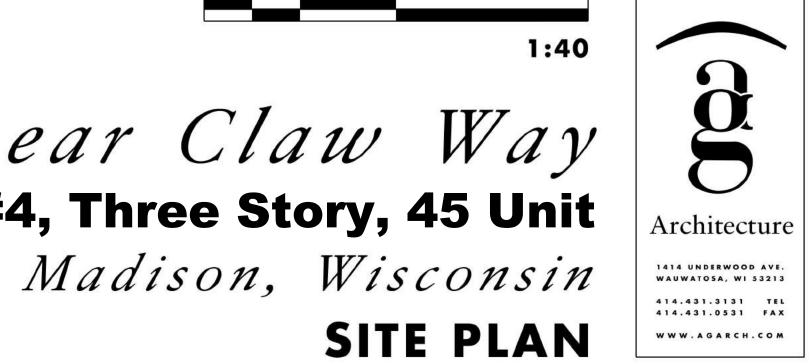


Paragon Place at Bear Claw Way **Proposed Building #4, Three Story, 45 Unit**

| | PRODUCT DESCRIPTION | ZONING DISTRICT | PARCEL SIZE (ACRES) | # OF UNITS | DENSITY (UNITS / ACRE) |
|---|---|--------------------|------------------------|-------------------|---------------------------|
| Ι | 3-STORY FLATS (Building #4 @ 32 Units) | SR-V2 | 8.87 | 145 (Approved) | 16.35 |
| Ι | 3-STORY FLATS (Building #4 @ 45 Units) | SR-V2 | 8.87 | 158 (Proposed) | 17.81 |

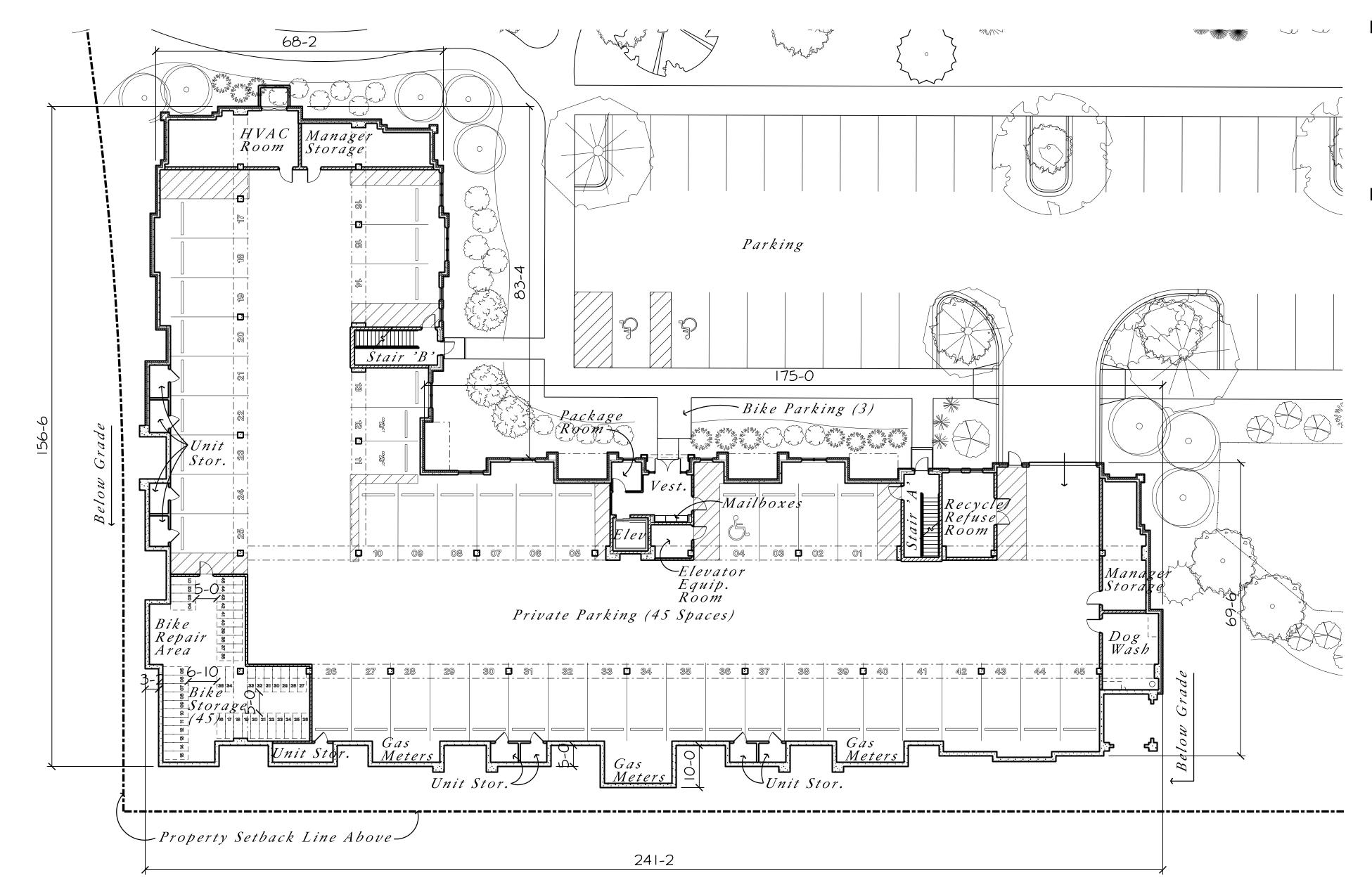
Cobolt Street

7 JUNE 2019



1:40

SITE PLAN



Paragon Place at Bear Claw Way

Proposed Building #4, Three Story, 45 Unit

BUILDING AREA

| <u>LOWER LEVEL</u> FIRST FLOOR SECOND FLOOR THIRD FLOOR | <u>21,533 SQ. FT.</u> 21,533 SQ. FT. 21,478 SQ. FT. 21,478 SQ. FT. 21,478 SQ. FT. |
|--|---|
| TOTAL AREA | 86,022 SQ. FT. |

BIKE PARKING (45 Required Stalls 1:1)

| SHORT TERM | 6 STALLS (12%) |
|--------------------|-----------------|
| LONG TERM | 45 STALLS (88%) |
| TOTAL BIKE PARKING | 51 STALLS |

PARKING (45 Required Stalls 1:1)

COMPACT HANDICAP REGULAR

TOTAL PARKING

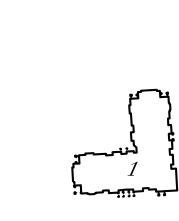
2 STALLS (4%) 1 STALL (2%) 42 STALLS (94%)

45 STALLS



Madison, Wisconsin

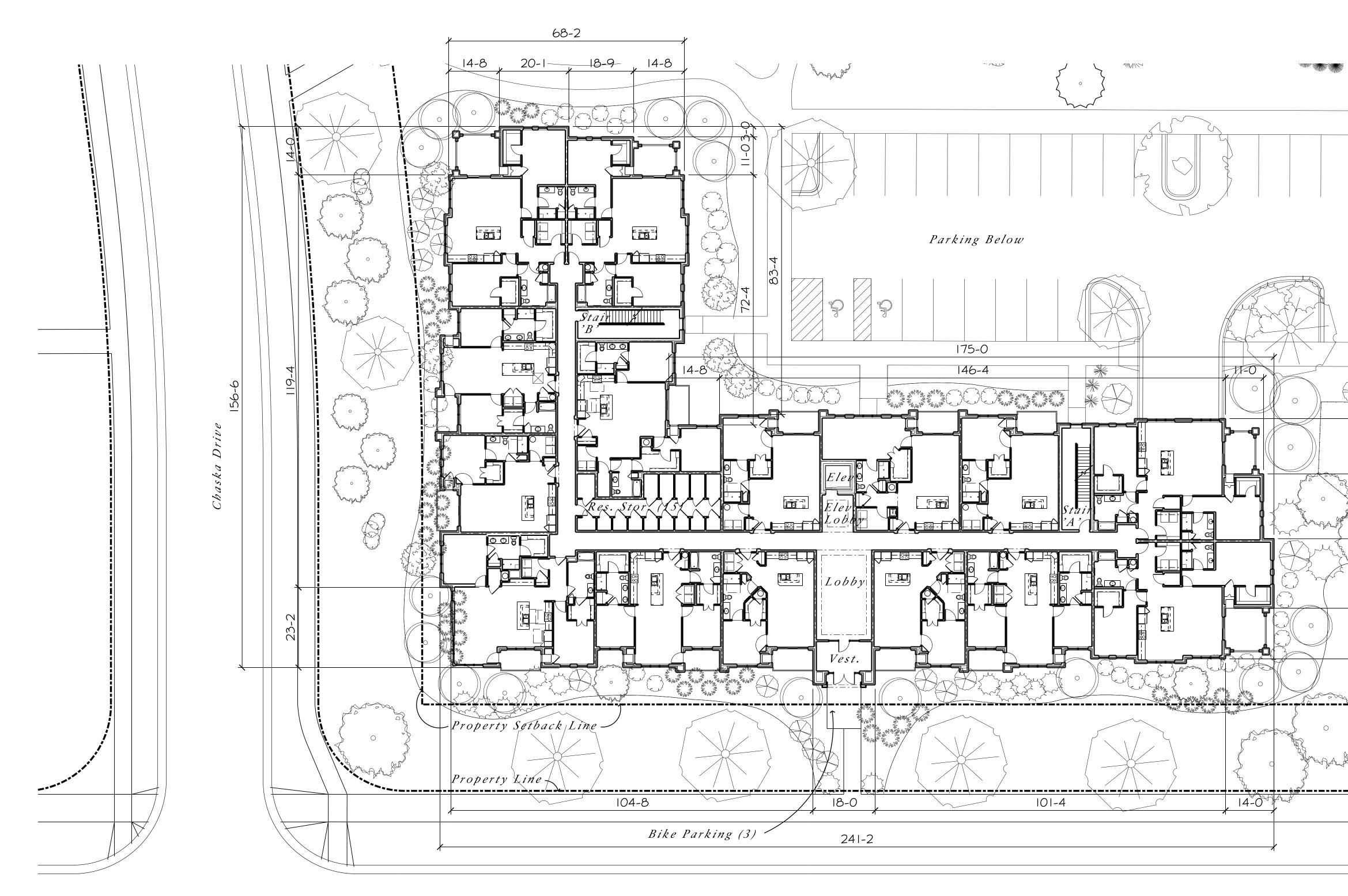
LOWER LEVEL FLOOR PLAN



1/16" = 1'-0"

7 JUNE 2019





Wilrich Street

Paragon Place at

Proposed Building

BUILDING AREA

| LOWER LEVEL | 21,533 SQ. FT. |
|--------------|----------------|
| FIRST FLOOR | 21,533 SQ. FT. |
| SECOND FLOOR | 21,478 SQ. FT. |
| THIRD FLOOR | 21,478 SQ. FT. |
| TOTAL AREA | 86,022 SQ. FT. |

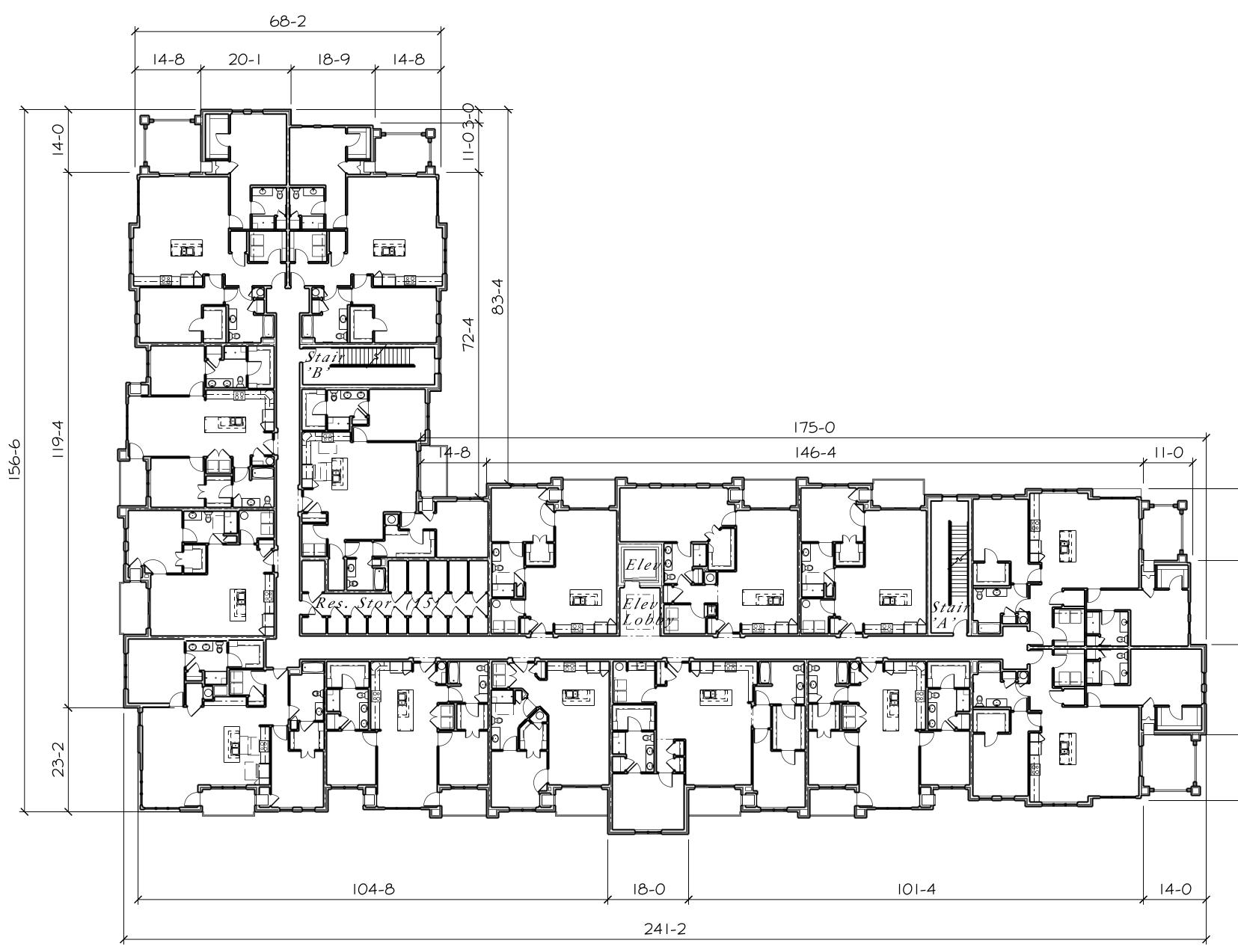
| e e BI | KE PARKING (45 Required Stalls | 1:1) |
|--------|--|--|
| | SHORT TERM LONG TERM | 6 STALLS (12%) 45 STALLS (88%) |
| | TOTAL BIKE PARKING | 51 STALLS |
| | | |
| | LOWER LEVEL <u>FIRST FLOOR</u> SECOND FLOOR THIRD FLOOR | 0 UNITS <u>15 UNITS</u> 15 UNITS 15 UNITS |
| | TOTAL UNIT COUNT | 45 UNITS |
| | NIT TYPE | |
| | 1/1 STANDARD 1/1 STANDARD + DINING 1/1 ELEVATOR 2/2 SPLIT 2/2 LOBBY 2/2 INSIDE CORNER 2/2 GREAT 'A' 2/2 GREAT 'B' | 4 (8%) 9 (20%) 3 (7%) 9 (20%) 2 (5%) 3 (7%) 3 (7%) 12 (26%) |
| | | • • • • • • • • • • • • • • • • • • • |
| | Claw Wa ree Story, 45 U | y <u>g</u> |

Madison, Wisconsin FIRST FLOOR PLAN

1414 UNDERWOOD AVE. WAUWATOSA, WI 53213

414.431.3131 TEL 414.431.0531 FAX

W W W . A G A R C H . C O M



Paragon Place at Bear Claw Way **Proposed Building #4, Three Story, 45 Unit** Madison, Wisconsin **SECOND FLOOR PLAN**

BUILDING AREA

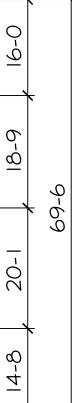
| LOWER LEVEL | 21,533 SQ. FT. |
|--------------|-----------------------|
| FIRST FLOOR | 21,533 SQ. FT. |
| SECOND FLOOR | <u>21,478 SQ. FT.</u> |
| THIRD FLOOR | 21,478 SQ. FT. |
| TOTAL AREA | 86,022 SQ. FT. |

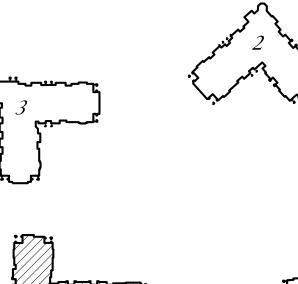
UNIT COUNT

| LOWER LEVEL | 0 UNITS |
|------------------|-----------------|
| FIRST FLOOR | 15 UNITS |
| SECOND FLOOR | <u>15 UNITS</u> |
| THIRD FLOOR | 15 UNITS |
| TOTAL UNIT COUNT | 45 UNITS |

UNIT TYPE

| 1/1 STANDARD 4 (8% | 6) |
|--|-----------------|
| 1/1 STANDARD + DINING 9 (20 |)%) |
| 1/1 ELEVATOR 3 (7% | 6) [`] |
| 2/2 SPLIT 9 (20 | %) |
| 2/2 LOBBY 2 (5% | 6) |
| 2/2 INSIDE CORNER $3(7%)$ | 6) |
| 2/2 GREAT 'A'3 (7%)2/2 GREAT 'B'12 (2) | 6) |
| 2/2 GREAT 'B' 12 (2 | 6%) |





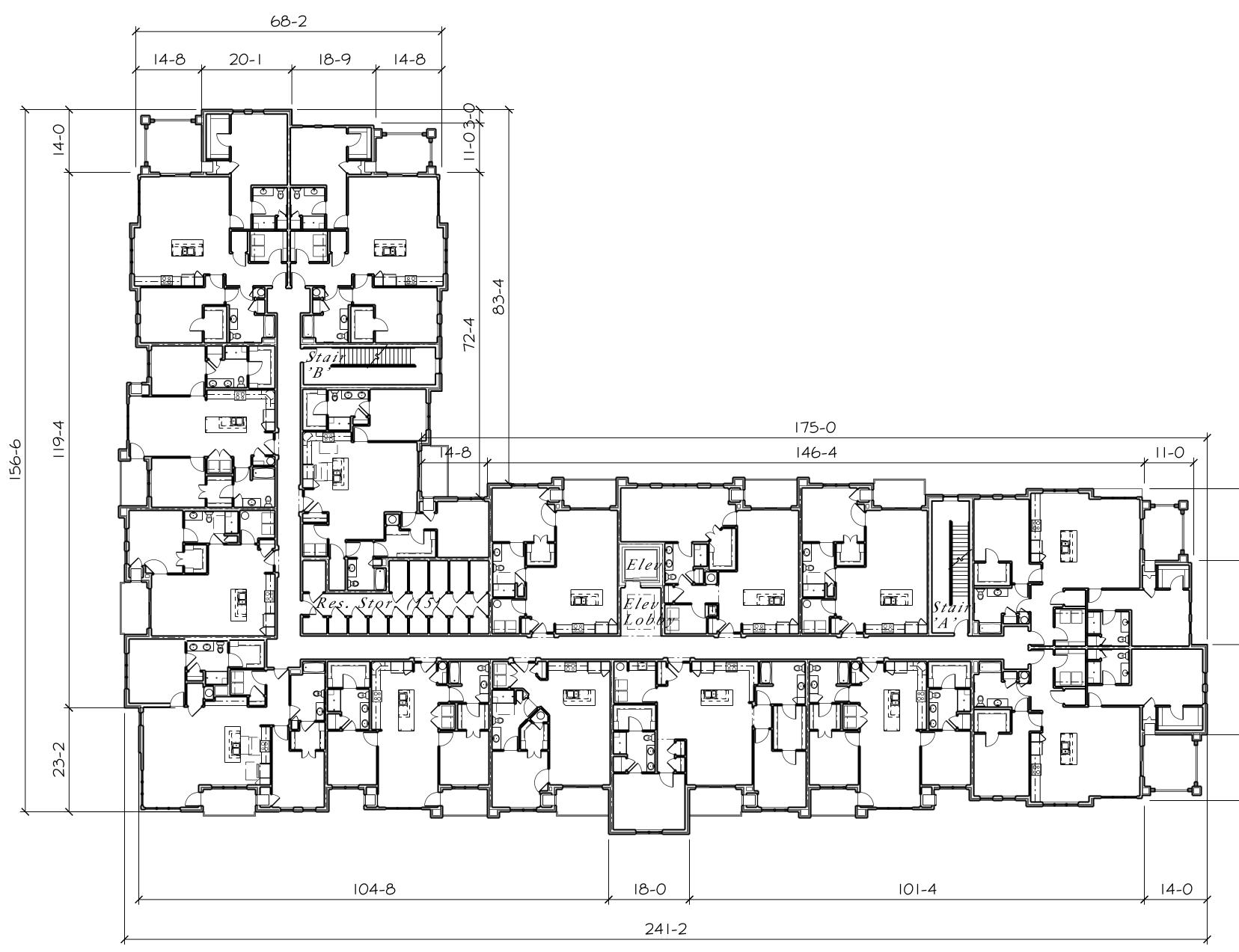


1/16" = 1'-0"



7 JUNE 2019





Paragon Place at Bear Claw Way **Proposed Building #4, Three Story, 45 Unit** Madison, Wisconsin **THIRD FLOOR PLAN**

BUILDING AREA

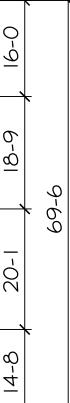
| LOWER LEVEL | 21,533 SQ. FT. |
|--------------|----------------|
| FIRST FLOOR | 21,533 SQ. FT. |
| SECOND FLOOR | 21,478 SQ. FT. |
| THIRD FLOOR | 21,478 SQ. FT. |
| TOTAL AREA | 86,022 SQ. FT. |

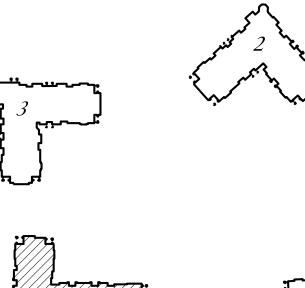
UNIT COUNT

| LOWER LEVEL | 0 UNITS |
|------------------|------------------|
| FIRST FLOOR | 15 UNITS |
| SECOND FLOOR | 15 UNITS |
| THIRD FLOOR | <u> 15 UNITS</u> |
| TOTAL UNIT COUNT | 45 UNITS |
| | |

UNIT TYPE

| 1/1 | STANDARD | 4 | (8%) |
|-----|-------------------|----|--------------------------|
| 1/1 | STANDARD + DINING | 9 | (20%) |
| 1/1 | ELEVATOR | 3 | (7%) |
| 2/2 | SPLIT | 9 | (20%) |
| 2/2 | LOBBY | 2 | (5%) |
| 2/2 | INSIDE CORNER | | (7%) |
| 2/2 | GREAT 'A' | | |
| 2/2 | GREAT 'B' | 12 | (7%) 2 (26 %) |
| | | | |





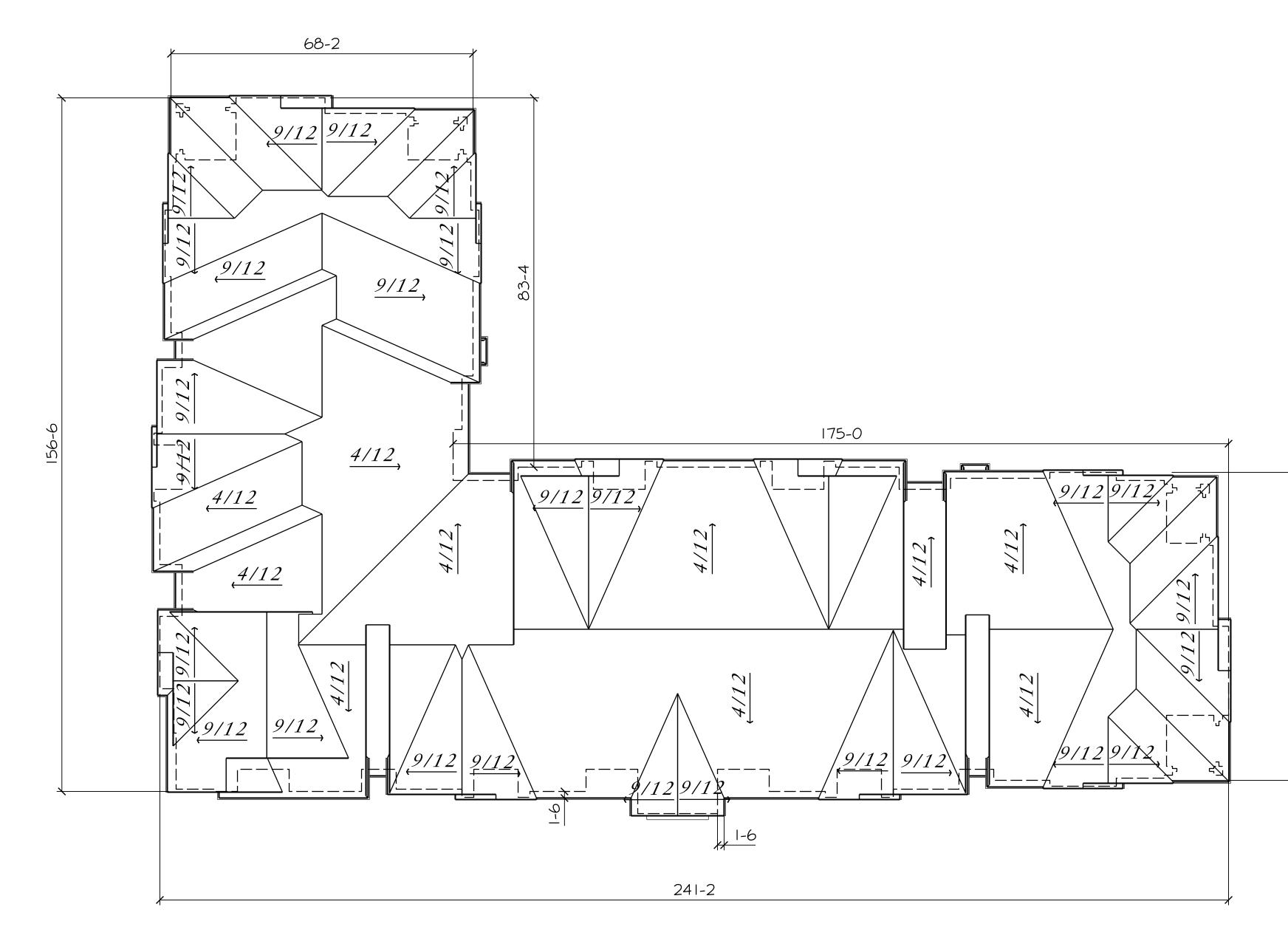


1/16" = 1'-0"



7 JUNE 2019









| BI - GENERAL SHALE - CHALDEAN |
|-----------------------------------|
| B2 - GENERAL SHALE - AUTUMN RIDGE |
| B3 - GENERAL SHALE - CORTEZ |
| 5 - FOND DU LAC DIMENSIONAL STONE |
| LB - LONGBOARD - ITALIAN ROSEWOOD |
| A - WEATHERED WOOD ROOF SHINGLES |







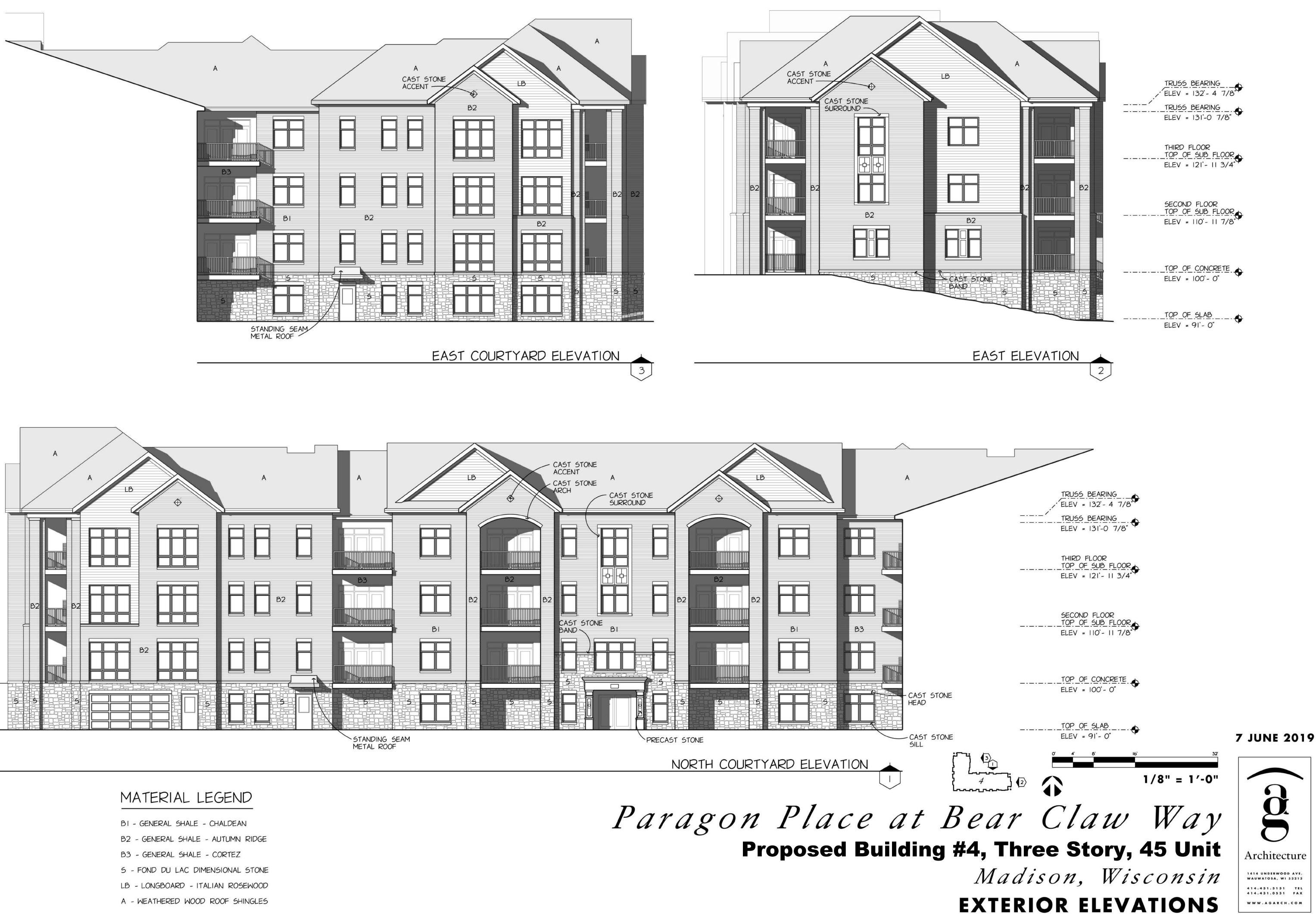


MATERIAL LEGEND

| BI - GENERAL SHALE - CHALDEAN |
|-----------------------------------|
| B2 - GENERAL SHALE - AUTUMN RIDGE |
| B3 - GENERAL SHALE - CORTEZ |
| S - FOND DU LAC DIMENSIONAL STONE |
| LB - LONGBOARD - ITALIAN ROSEWOOD |
| A - WEATHERED WOOD ROOF SHINGLES |











Paragon Place at Bear Claw Way **Proposed Building #4, Three Story, 45 Unit** Madison, Wisconsin







Paragon Place at Bear Claw Way Proposed Building #4, Three Story, 45 Unit Madison, Wisconsin







Paragon Place at Bear Claw Way **Proposed Building #4, Three Story, 45 Unit** Madison, Wisconsin



Paragon Place at Bear Claw Way Proposed Building #4, Three Story, 45 Unit Madison, Wisconsin





Proposed Building #4, Three Story, 45 Unit



Paragon Place at Bear Claw Way Proposed Building #4, Three Story, 45 Unit Madison, Wisconsin





Paragon Place at Bear Claw Way **Proposed Building #4, Three Story, 45 Unit** Madison, Wisconsin



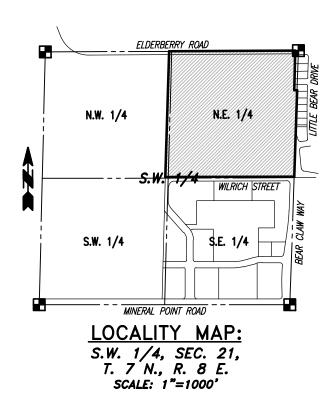


Paragon Place at Bear Claw Way Proposed Building #4, Three Story, 45 Unit Madison, Wisconsin

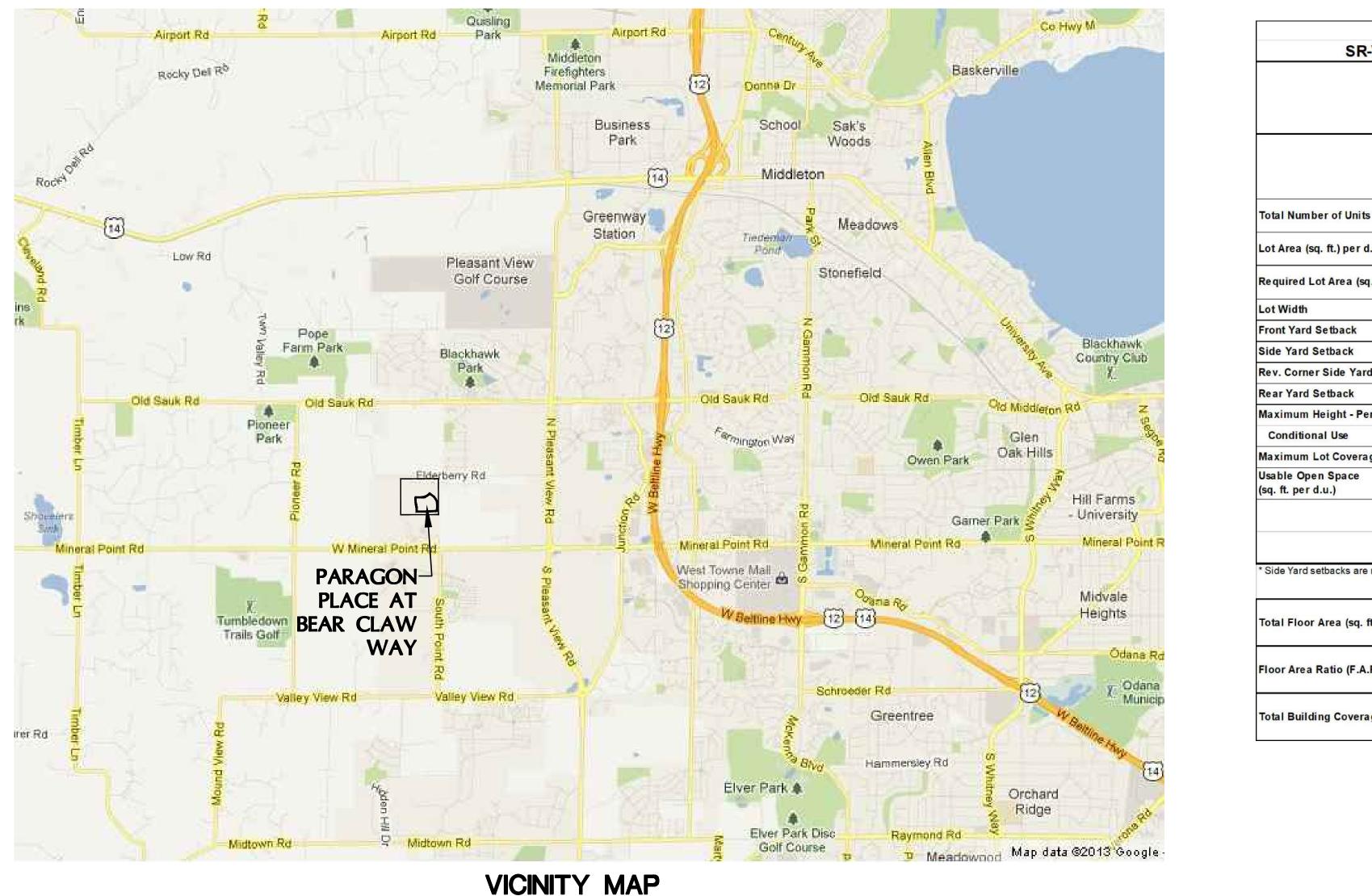


GENERAL NOTES

- 1. THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS AND ANY SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THIS PLAN UNLESS OTHERWISE NOTED.
- -STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, 6TH EDITION (SSSWCW)
- -THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION
- -WDNR STORMWATER RUNOFF TECHNICAL STANDARDS.
- -WISDOT PAL APPROVED EROSION CONTROL MEASURES LIST, LATEST EDITION. -CITY OF MADISON DEVELOPMENT STANDARDS, LATEST EDITION.
- 2. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO MINIMIZE EROSION, WATER POLLUTION AND SILTATION CAUSED BY CONSTRUCTION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.
- 3. EROSION CONTROL PLAN: PRIOR TO BEGINNING WORK, AN APPROVED EROSION CONTROL PLAN WILL BE PROVIDED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY IMPLEMENTING THE APPROVED PLAN.
- 4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY FLOOR, CURB OR PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- 5. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (CALL DIGGERS HOTLINE AT 800-242-8511). COST OF REPLACEMENT OR REPAIR OF EXISTING UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY
- 6. EXISTING UTILITY INFORMATION IS SHOWN FROM SURVEY WORK, FIELD OBSERVATIONS, AVAILABLE PUBLIC RECORDS, AND AS-BUILT DRAWINGS. EXACT LOCATIONS AND ELEVATIONS OF UTILITIES SHALL BE DETERMINED PRIOR TO INSTALLING NEW WORK. EXCAVATE TEST PITS AS REQUIRED.
- 7. PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 8. ENGINEER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
- 9. ALL TRENCHING SHALL BE PERFORMED ACCORDING TO OSHA STANDARDS.
- 10. ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE.
- 11. THE CONTRACTOR SHALL CLEAN ALL ADJACENT STREETS OF ANY SEDIMENT OR DEBRIS BY SWEEPING BEFORE THE END OF THE WORKING DAY.



| | P | A |
|----|-----|-----|
| | | B |
| Bl | JIL | DI |
| | EL | .DI |





CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

CALL DIGGERS HOTLINE 1-800-242-8511

NOTE: EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.

RAGON PLACE AT EAR CLAW WAY ING 4 DEVELOPMENT PLANS ERBERRY NEIGHBORHOOD

PARAGON PLACE AT BEAR CLAW WAY -BUILDING 4

CHASKA DR.-

CITY OF MADISON, WISCONSIN

NOT TO SCALE



PARAGON PLACE - "LOTS 1&2" SR-V2 DISTRICT ZONING REQUIREMENTS

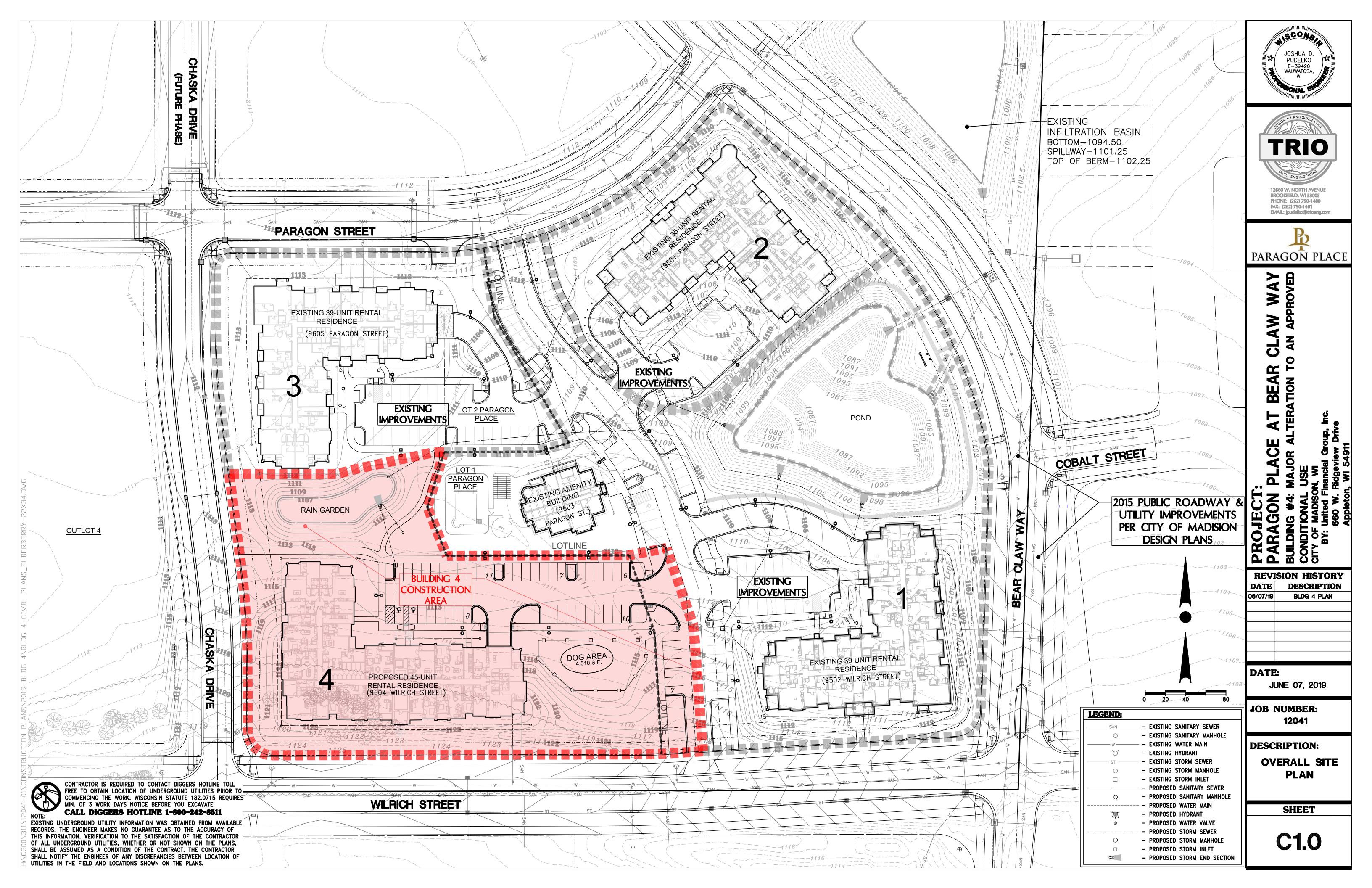
| | ZONING REQUIR | |
|-------------------|--|---|
| | Multi-Family SR-V2 District Requirements (>8 units) | Paragon Place Subdivision Lots 1 + 2 of CSM #14165 |
| | Multi-Family | Elevator, Underground Parking, Rental Residences |
| 5 | | 158 |
| 1.u. | 2,000/d.u. | 2,447 |
| ą. ft.) | 292,000 | 386,616 |
| | 60 ft. | ± 495 ft. |
| | 25 ft. | 25 ft. |
| | 10 ft. | N/A* |
| d Setback | 12 ft. | N/A* |
| | 30 ft. | 30 ft. |
| ermitted Use | 3 stories / 40 ft. | 3 stories max./ 44 ft. |
| | 4 stories / 52 ft. | 5 stones max./ 44 ft. |
| ge (% impervious) | 60% | 48.1% |
| | 500 | 555 |
| | Total Usable Open Space = | 87,708 |
| | Total Open Space = | 200,742 |

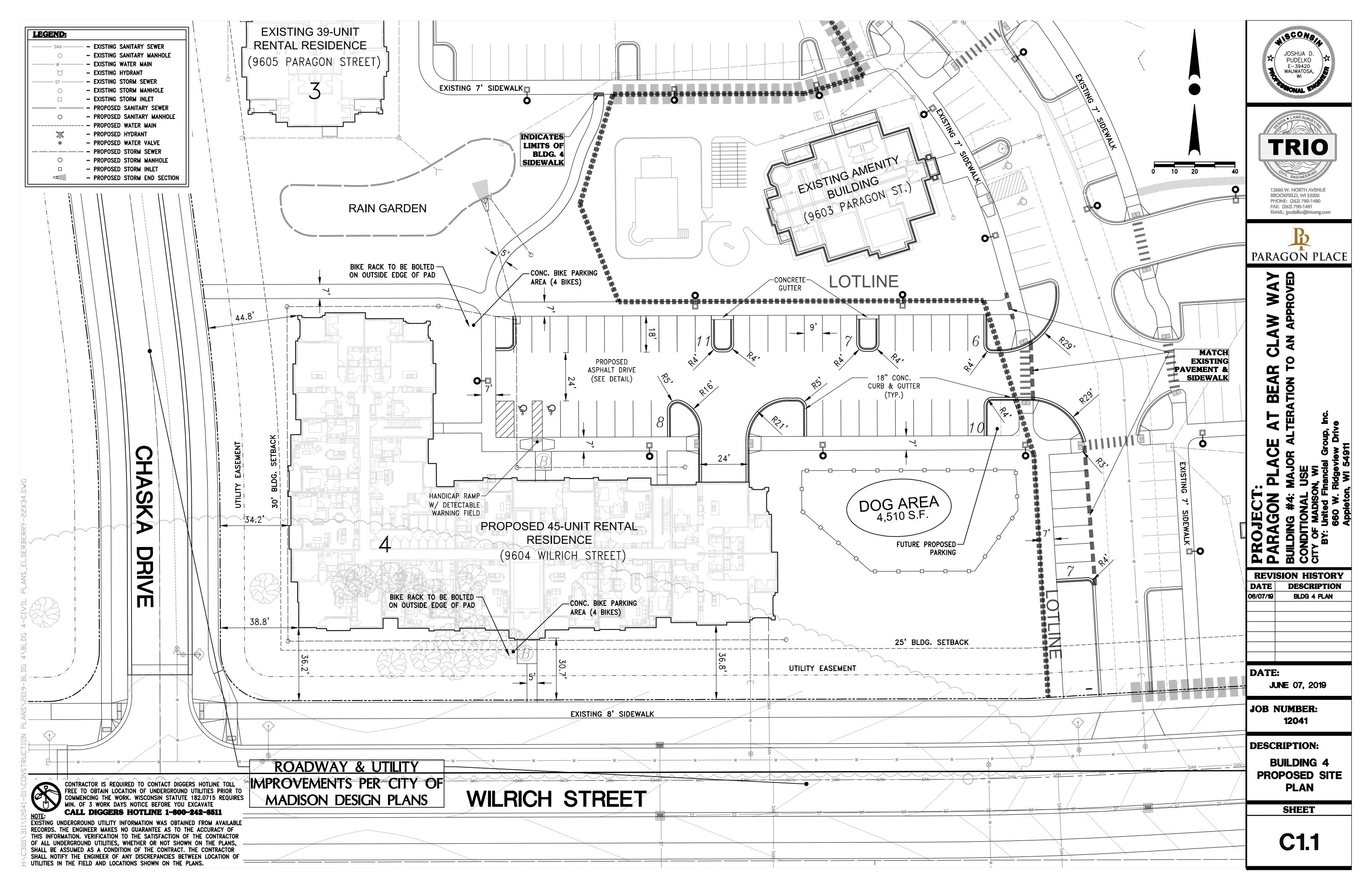
| ft.) | | 240,613 |
|-----------------|-----|-----------------------------|
| A.R.) | | 0.62 |
| age Area (s.f.) | N/A | 80,204 s.f. (20.7% of site) |

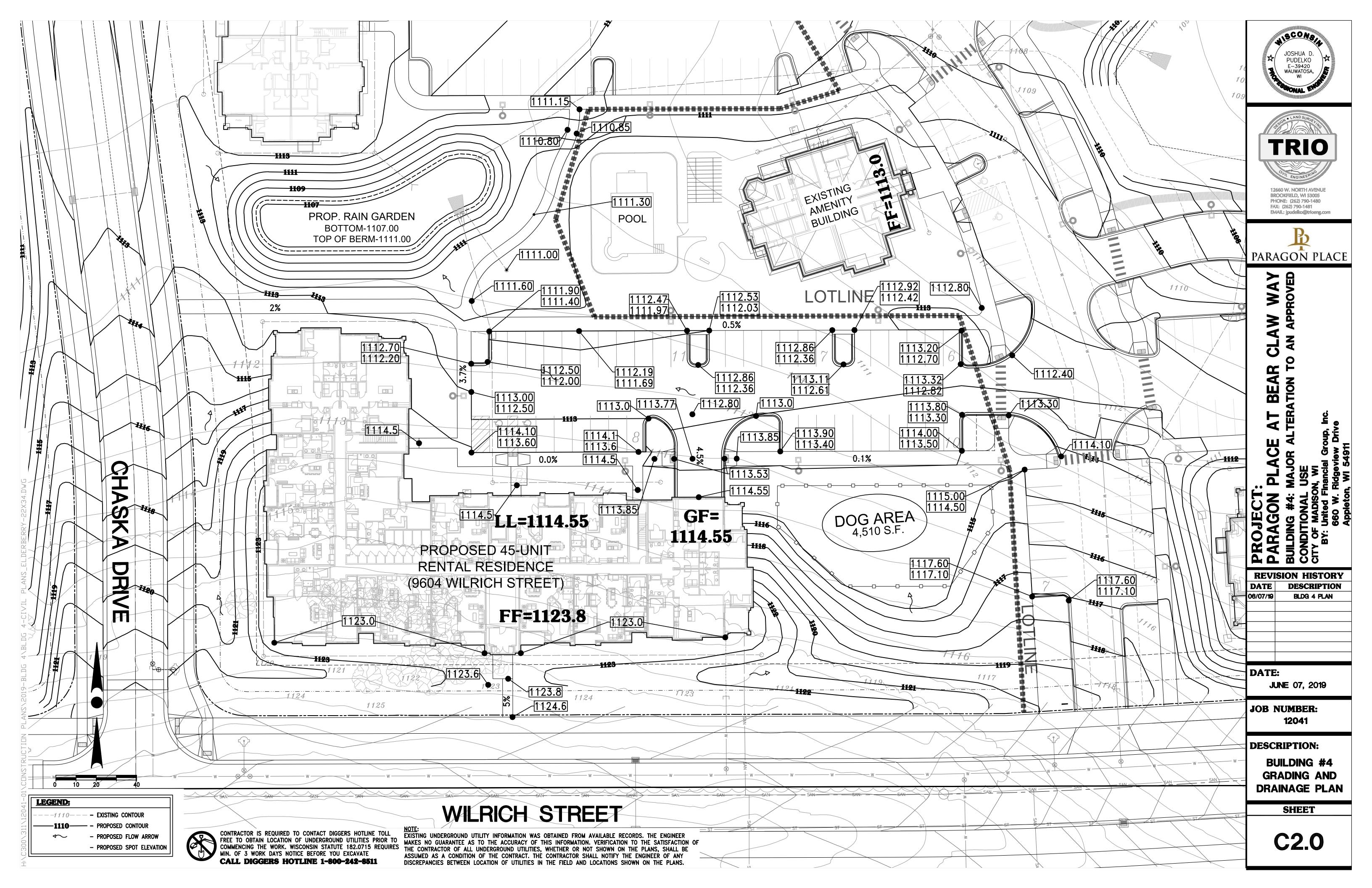
SHEET INDEX

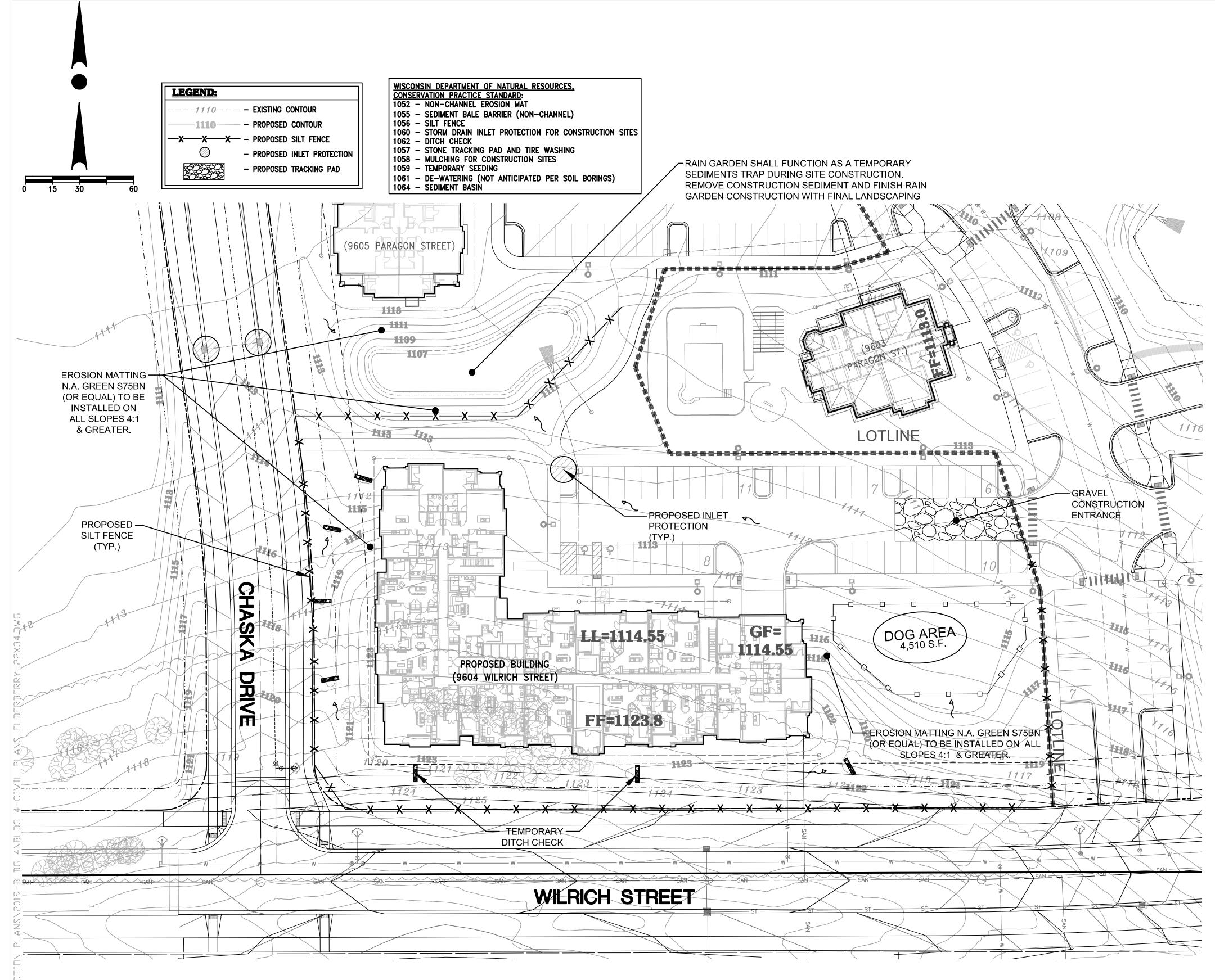
| T1 | - COVER SHEET | |
|----------|------------------------|-------------------|
| C1.0 | - OVERALL SITE DEVEL | OPMENT PLAN |
| C1.1 | - BUILDING 4 PROPOSE | D SITE PLAN |
| C2.0 | - BUILDING 4 GRADING | AND DRAINAGE PLAN |
| C2.1 | - BUILDING 4 EROSION | CONTROL PLAN |
| C3.0 | - BUILDING 4 UTILITY F | PLAN |
| C4.0 | - RAIN GARDEN DETAIL | |
| C5.0-5.1 | - CONSTRUCTION NOTES | S & DETAILS |
| FD1.0 | - FIRE DEPARTMENT AC | CESS PLAN |

| THE CONSTANT |
|---|
| UDSHUA D. PUDELKO E−39420 WAUWATOSA, |
| RESPONAL ENCIUM |
| DESGN · LAND SURVEY 16 |
| CULL ENGINEERING |
| 12660 W. NORTH AVENUE BROOKFIELD, WI 53005 PHONE: (262) 790-1480 FAX: (262) 790-1481 EMAIL: jpudelko@trioeng.com |
| PARAGON PLACE |
| |
| ECT: GON PLACE AT BEAR CLAW WAY G #4: MAJOR ALTERATION TO AN APPROVED IONAL USE MADISON, WI Inited Financial Group, Inc. S60 W. Ridgeview Drive Mapleton, WI 54911 |
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| LAC AJOR SE Wi SE Mi 549 |
| ECT: GON PLACE AT G #4: MAJOR ALTER G #4: MAJOR ALTER ONAL USE MADISON, WI Inited Financial Group, Inc. S60 W. Ridgeview Drive |
| OJECT: AGON PLACE AT RAGON PLACE AT DING #4: MAJOR ALTE DITIONAL USE DITIONAL USE OF MADISON, WI OF MADISON, WI SEC W. Ridgeview Drive Appleton, WI 5491 |
| PROJ PARA(BUILDING CONDITI CONDITI CONDITI CONDITI CONDITI |
| REVISION HISTORY DATE DESCRIPTION |
| 06/07/19 BLDG 4 PLAN |
| |
| |
| DATE: JUNE 07, 2019 |
| JOB NUMBER: 12041 |
| DESCRIPTION: |
| COVER SHEET |
| SHEET |
| |









CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE

CALL DIGGERS HOTLINE 1-800-242-8511

EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES. WHETHER OR NOT SHOWN ON THE PLANS. SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.

- **EROSION CONTROL NOTES:**

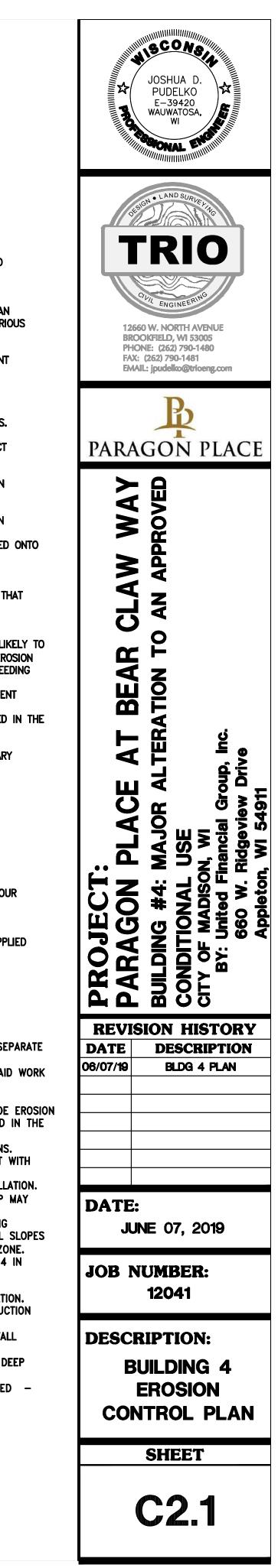
- A. DIVERT UPSTREAM RUNOFF FROM FLOWING THROUGH THE CONSTRUCTION SITE.

- E. MAINTAIN SEDIMENT BASIN AS DICTATED BY SITE CONDITIONS.
- CONTROL BALES. G. PROMPT REMOVAL OF EXCAVATED MATERIAL
- ROADWAYS.
- K. TIMELY RESTORATION OF DAMAGE SURFACE AREAS.
- 5. TEMPORARY EROSION CONTROL MEASURES.
- OR SODDING, HAS BEEN ESTABLISHED.
- FOLLOWING YEAR.
- SEEDING.

- SPECIFICATIONS UNLESS OTHERWISE DESIGNATED.
- 10. EROSION CONTROL INSPECTION AND MAINTENANCE PERIOD DURING CONSTRUCTION.
- B. REPAIR OR REPLACE EROSION CONTROLS THAT ARE DAMAGED OR FAILING.

CONSTRUCTION SEQUENCE PLAN PARAGON PLACE - BUILDING 4.

- PERMIT) AS NEEDED.
- UMMER PRIOR YEAR (UNDER SEPARATE PERMIT).
- COMPLETION OF STORM SEWER INSTALLATION.
- OCCUR ANY TIME AFTER FINISH GRADING.
- 10. COMPLETE BUILDING 4 CONSTRUCTION.
- MANAGER'S SCHEDULE AND DIRECTION.



1. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO MINIMIZE EROSION, WATER POLLUTION AND SILTATION CAUSED BY CONSTRUCTION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.

2. EROSION CONTROL PLAN: PRIOR TO BEGINNING WORK, THE CONTRACTOR MAY BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN, DETAILING SPECIFIC MEASURES THAT WILL BE USED IN THE VARIOUS STAGES OF CONSTRUCTION FOR APPROVAL BY THE ENGINEER.

3. IMPLEMENTATION: THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL AFTER INITIAL EROSION AND SEDIMENT CONTROL DEVICES ARE IN PLACE AND APPROVED BY THE ENGINEER.

4. EROSION CONTROL MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

B. PROTECT DOWNSTREAM OR ADJACENT DRAINAGEWAYS WITH SILT FENCE AND/OR STONE DITCH CHECKS. C. DELAY STRIPPING TOPSOIL UNTIL REQUIRED FOR CONSTRUCTION. D. PLACE SILT FENCE OR EROSION CONTROL BALES IN DITCHES AND OTHER DRAINAGE WAYS TO COLLECT SEDIMENT AND TO SLOW THE VELOCITY OF RUNOFF.

F. PROTECT STORM SEWER INLETS AND THE UPSTREAM END OF CULVERTS WITH SILT FENCE OR EROSION

H. PROPER STORAGE OF BACKFILL AND BEDDING MATERIALS INCLUDING PLACING SILT FENCE OR EROSION CONTROL BALES ON THE DOWNSLOPE SIDES OF SPOIL PILES. I. CONSTRUCTION OF TRACKING PAD TO CONSTRUCTION SITE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO

J. PROMPT (SAME DAY) CLEANUP OF MATERIAL TRACKED ONTO ADJACENT STREETS. L. ALL AREAS THAT WILL REMAIN DISTURBED AFTER OCTOBER 15, MUST BE TEMPORARY SEEDED AS OF THAT

A. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY EROSION CONTROL MEASURES, WHERE EROSION IS LIKELY TO BE A PROBLEM, PRIOR TO BEGINNING WORK ON THOSE SECTION(S) OF THE PROJECT. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL AFTER PERMANENT EROSION CONTROL, SUCH AS SEEDING

B. IN THE EVENT THE PERMANENT EROSION CONTROL MEASURES ARE NOT FULLY IMPLEMENTED IN CURRENT CONSTRUCTION SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL NECESSARY TEMPORARY EROSION CONTROL MEASURES UNTIL AFTER PERMANENT MEASURES HAVE BEEN COMPLETED IN THE

6. ALL DISTURBANCE AREAS THAT REMAIN INACTIVE FOR SEVEN DAYS OR LONGER SHALL RECEIVE TEMPORARY

7. TRENCH DEWATERING SHALL BE IN ACCORDANCE WITH WONR TECHNICAL STANDARDS.

8. INSTALL SILT FENCE IN ACCORDANCE WITH WONR TECHNICAL STANDARD DETAILS

9. ALL RIP RAP AT PIPE OUTLETS SHALL BE 3'x5' MEDIUM RIP RAP OVER TYPE R FABRIC PER WDOT

A. INSPECT EROSION CONTROL MEASURES WEEKLY AND AFTER SITE RECEIVES 0.5" OF RAIN IN A 24-HOUR

11. ALL AREAS TO BE SEEDED AND MULCHED SHALL USE WOOT SEED MIXTURE NO. 20. MULCH SHALL APPLIED PER WDOT SPECIFICATIONS USING METHOD B FOR PLACEMENT.

1. INSTALL TRACKING PAD AND PROJECT PERIMETER SILT FENCE AND INLET PROTECTION PER PLAN. MAINTAIN/REPAIR EXISTING SILT FENCE INSTALLED WITH 2018-2019 LAND DISTURBANCE (UNDER SEPARATE

BUILDING CONSTRUCTION MAY COMMENCE AT ANY TIME ONCE CITY AND STATE APPROVALS FOR SAID WORK HAVE BEEN ISSUED (BUILDING CONSTRUCTION IS A NON-SEQUENTIAL ITEM).

5. COMPLETE ROUGH GRADING. NOTE THAT SEDIMENT TRAP INSTALLED IN 2018–2019 SHALL PROVIDE EROSION CONTROL PROTECTION FOR PROJECT SITE AND THAT THE SITE WAS SUBSTANTIALLY ROUGH GRADED IN THE

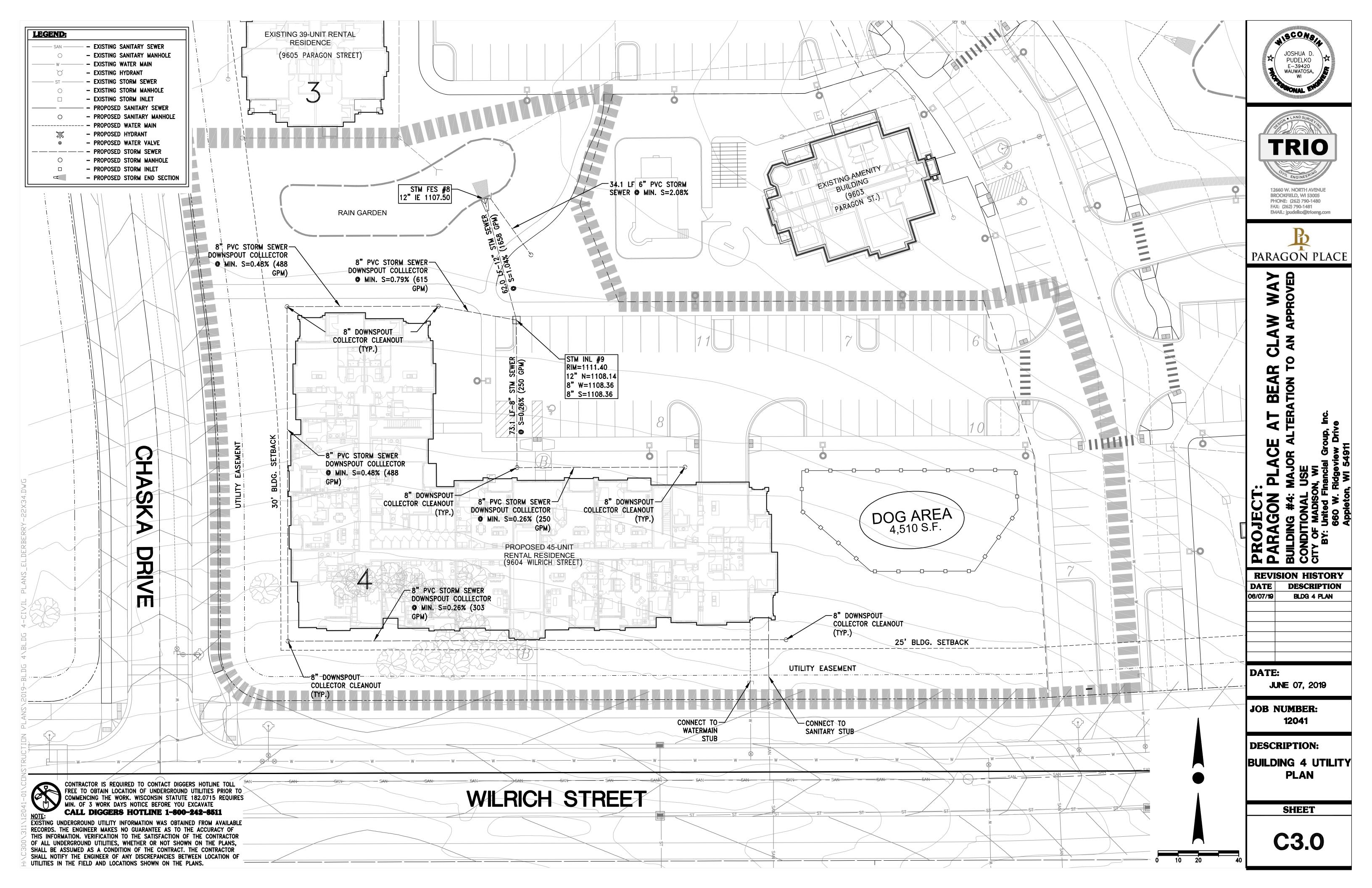
INSTALL SANITARY SEWER LATERALS, WATER MAIN, AND STORM SEWER FOR BUILDING 4. PER PLANS. INSTALL INLET PROTECTION AND STRAW WATTLES AT TEMPORARY PIPE END SECTIONS CONCURRENT WITH

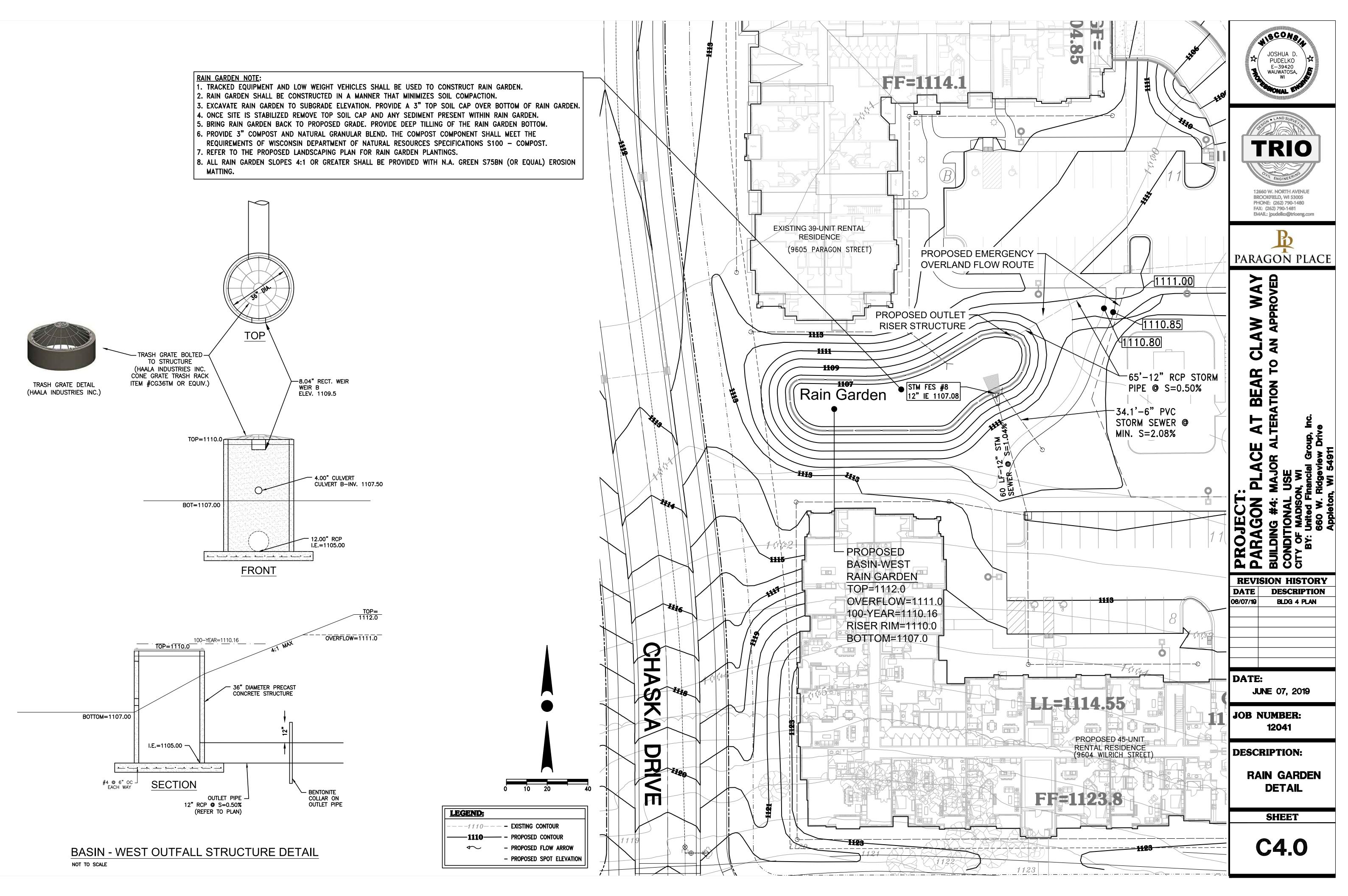
6. FINISH GRADE SITE. NOTE THAT THIS STEP MAY OCCUR CONCURRENT WITH STORM SEWER INSTALLATION. INSTALL NEW GAS/ELECTRIC/TELEPHONE UTILITIES PER PLANS BY OTHERS. NOTE THAT THIS STEP MAY

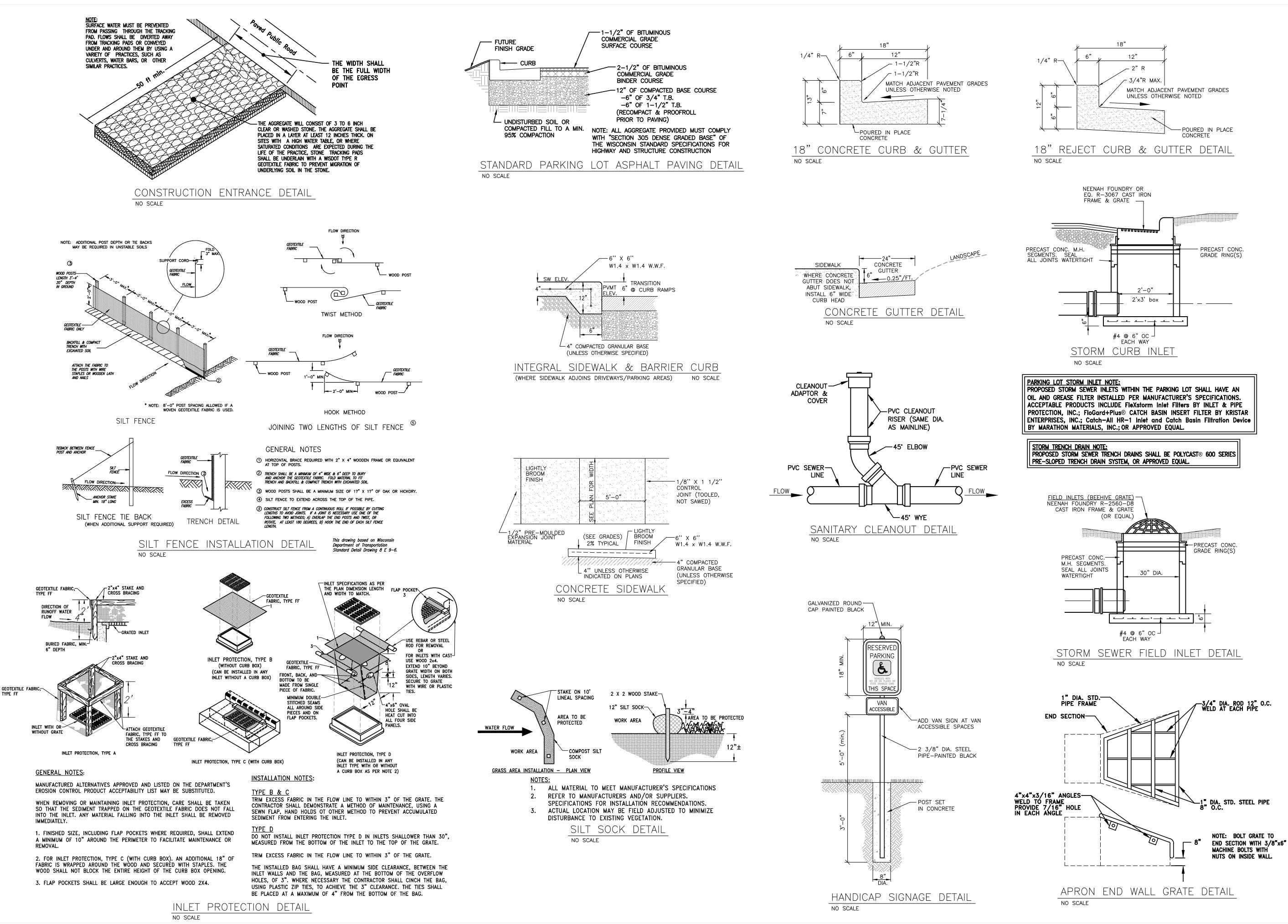
RESPREAD TOPSOIL AND SEED, MULCH AND FERTILIZE OUTSIDE OF PAVEMENT AND ACTIVE BUILDING CONSTRUCTION AREAS UPON COMPLETION OF FINISH GRADING. INSTALL EROSION MATTING ON ALL SLOPES AND WHERE NEEDED OR INDICATED ON THE PLAN (OUTSIDE OF ACTIVE BUILDING CONSTRUCTION ZONE. 9. INSTALL STONE BASE COURSE - INSTALL CURB & GUTTER AND BINDER PAVEMENT FOR BUILDING 4 IN AREAS DIRECTED BY THE CONSTRUCTION MANAGER AND AS INDICATED ON THE PLAN.

COMPLETE ANY REMAINING BUILDING 4 CURB & GUTTER AND BINDER COURSE PAVEMENT INSTALLATION. 12. INSTALL SIDEWALK AROUND BUILDING 4 AND THE SITE AS INDICATED ON THE PLAN, PER CONSTRUCTION

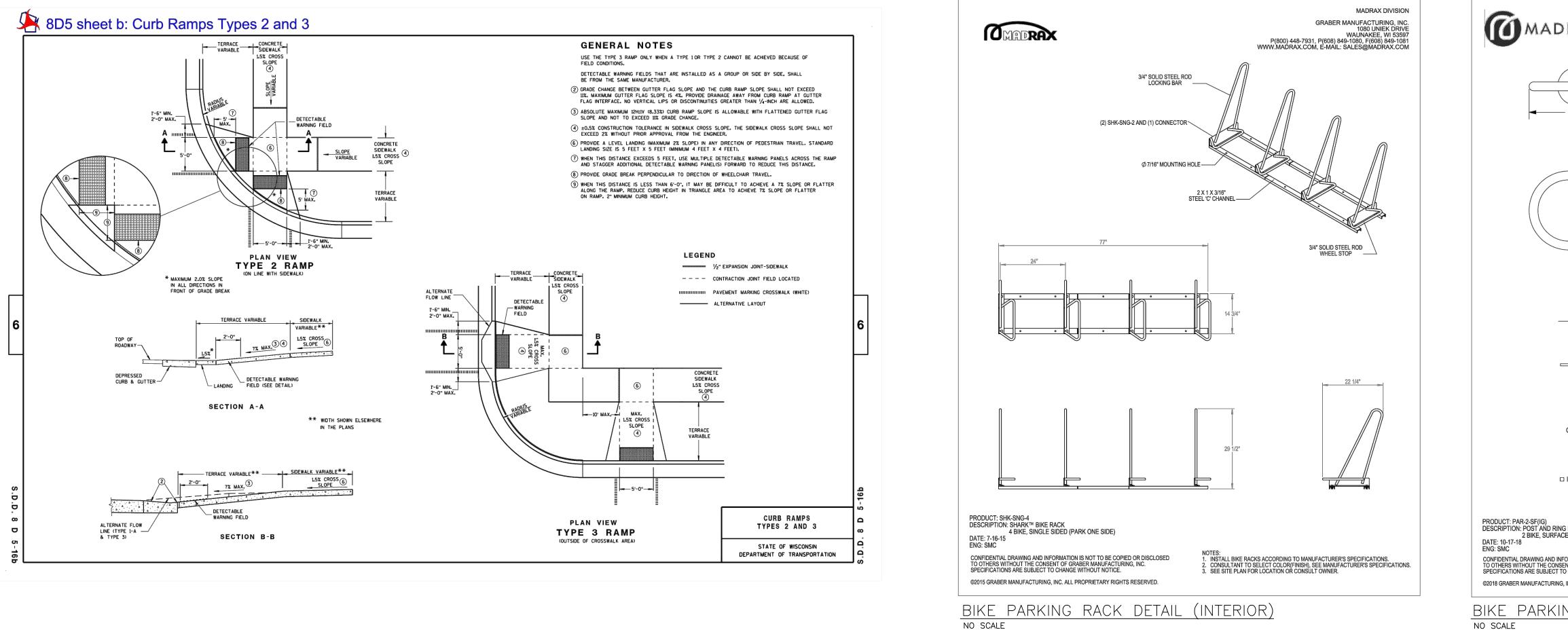
13. RESPREAD TOPSOIL AND SEED, MULCH AND FERTILIZE BUILDING CONSTRUCTION ZONE AREA. INSTALL LANDSCAPING PER LANDSCAPE PLAN AND CONSTRUCTION MANAGER'S SCHEDULE/DIRECTION. 14. COMPLETE RAIN GARDEN CONSTRUCTION. REMOVING CONSTRUCTION SEDIMENT FROM THE BOTTOM, DEEP TILLING BOTTOM LATER, AND LANDSCAPING PER LANDSCAPE PLAN AND RAIN GARDEN DETAILS 15. REMOVE PERIMETER SILT FENCE ONCE THE PHASE 1 AREA IS SUBSTANTIALLY STABILIZED/VEGETATED -ANTICIPATED TO BE CONCURRENT WITH COMPLETION OF FINAL LANDSCAPING AROUND BUILDING 4.

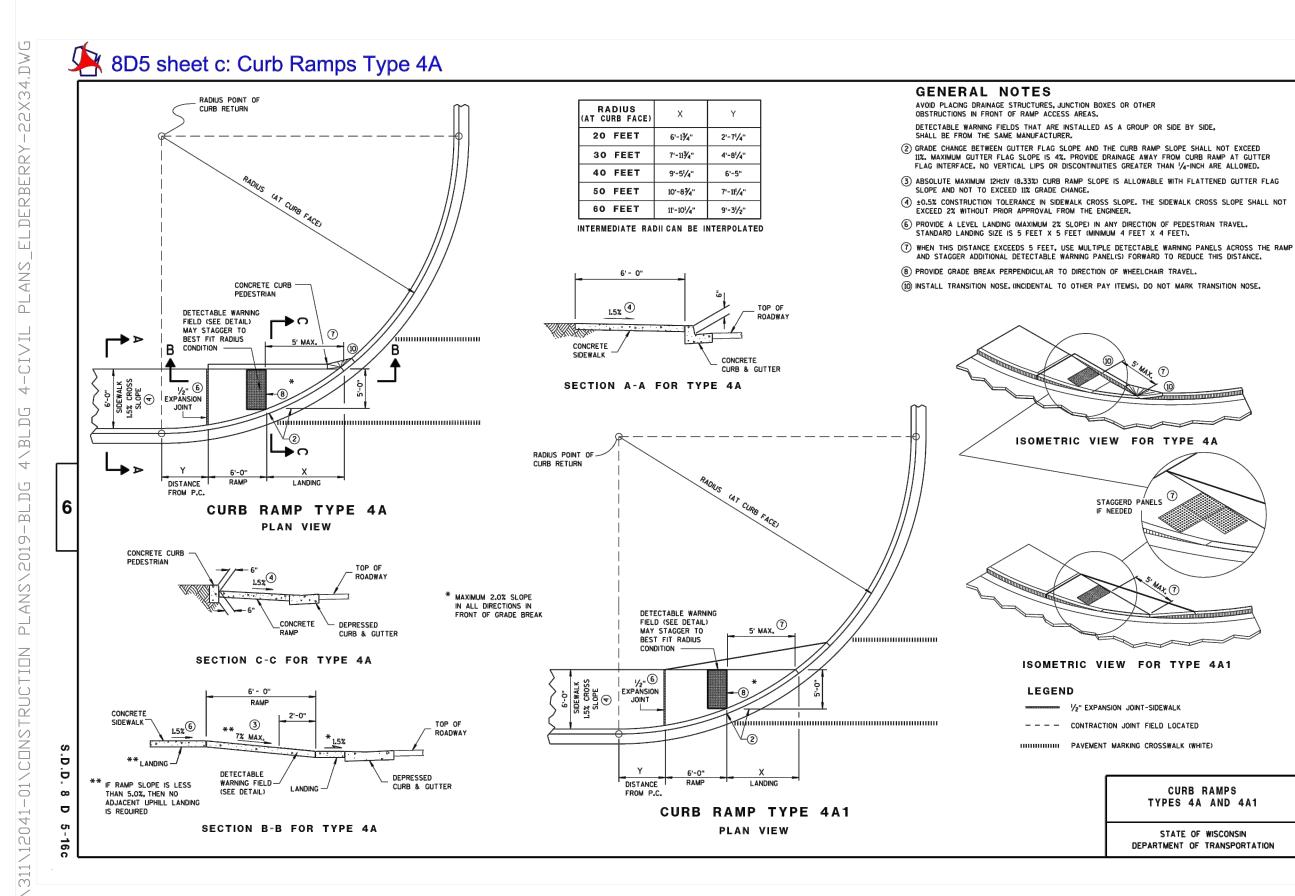


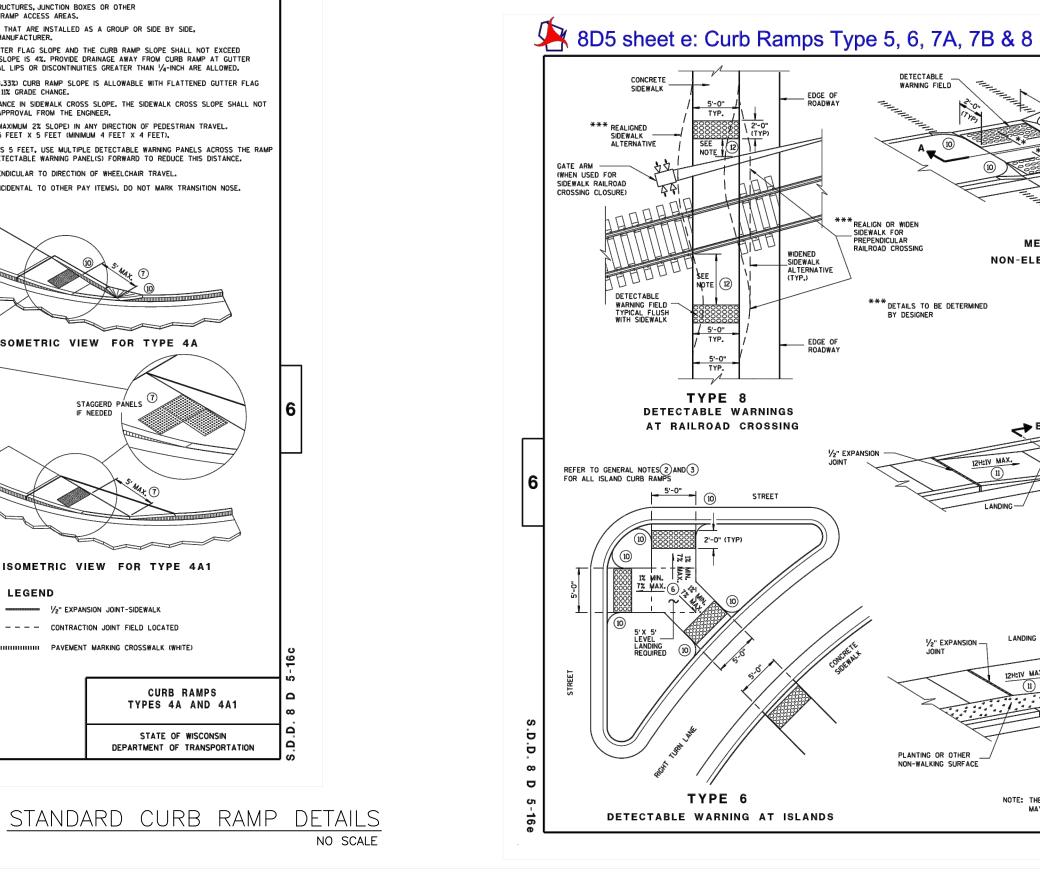


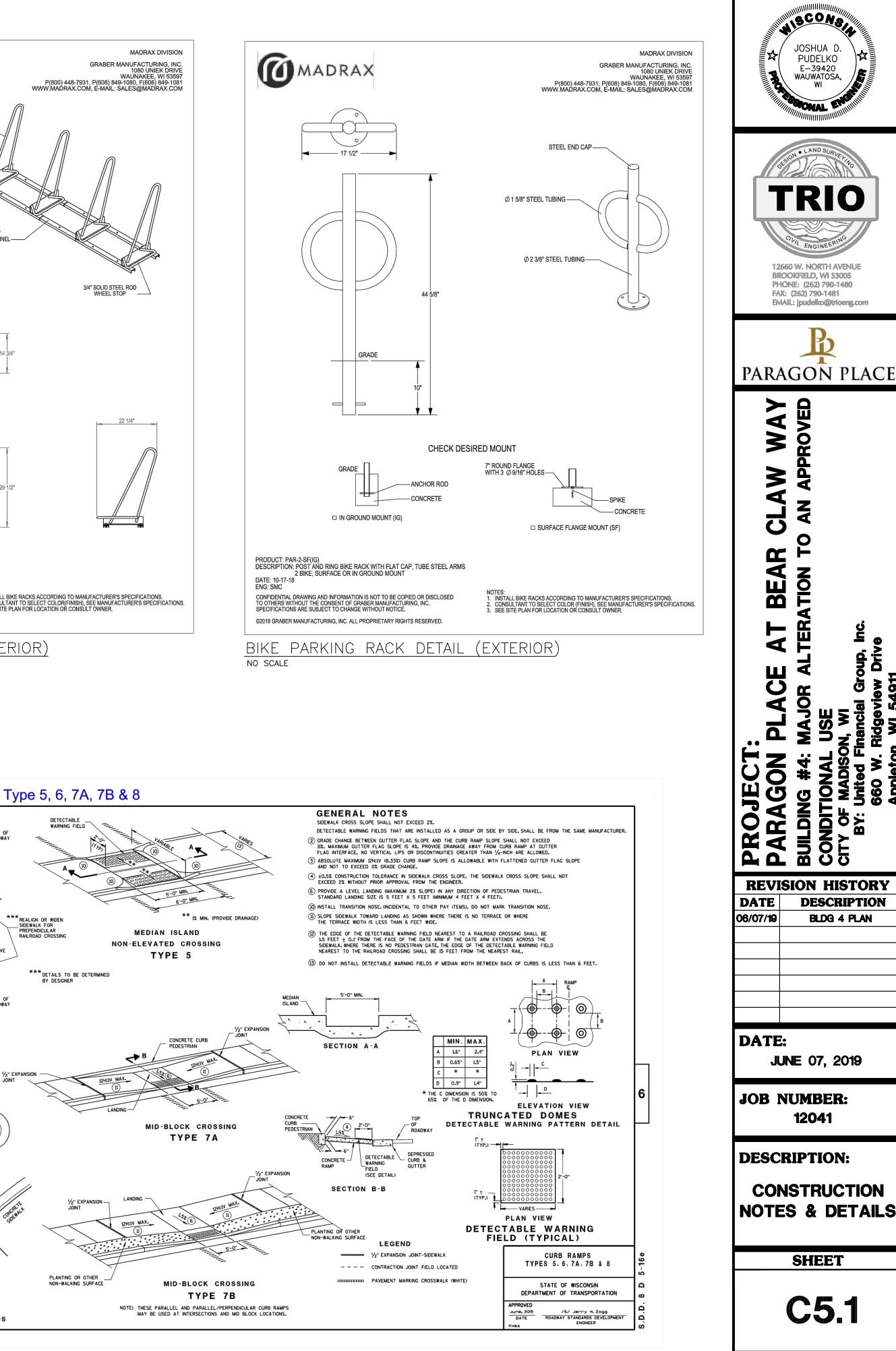


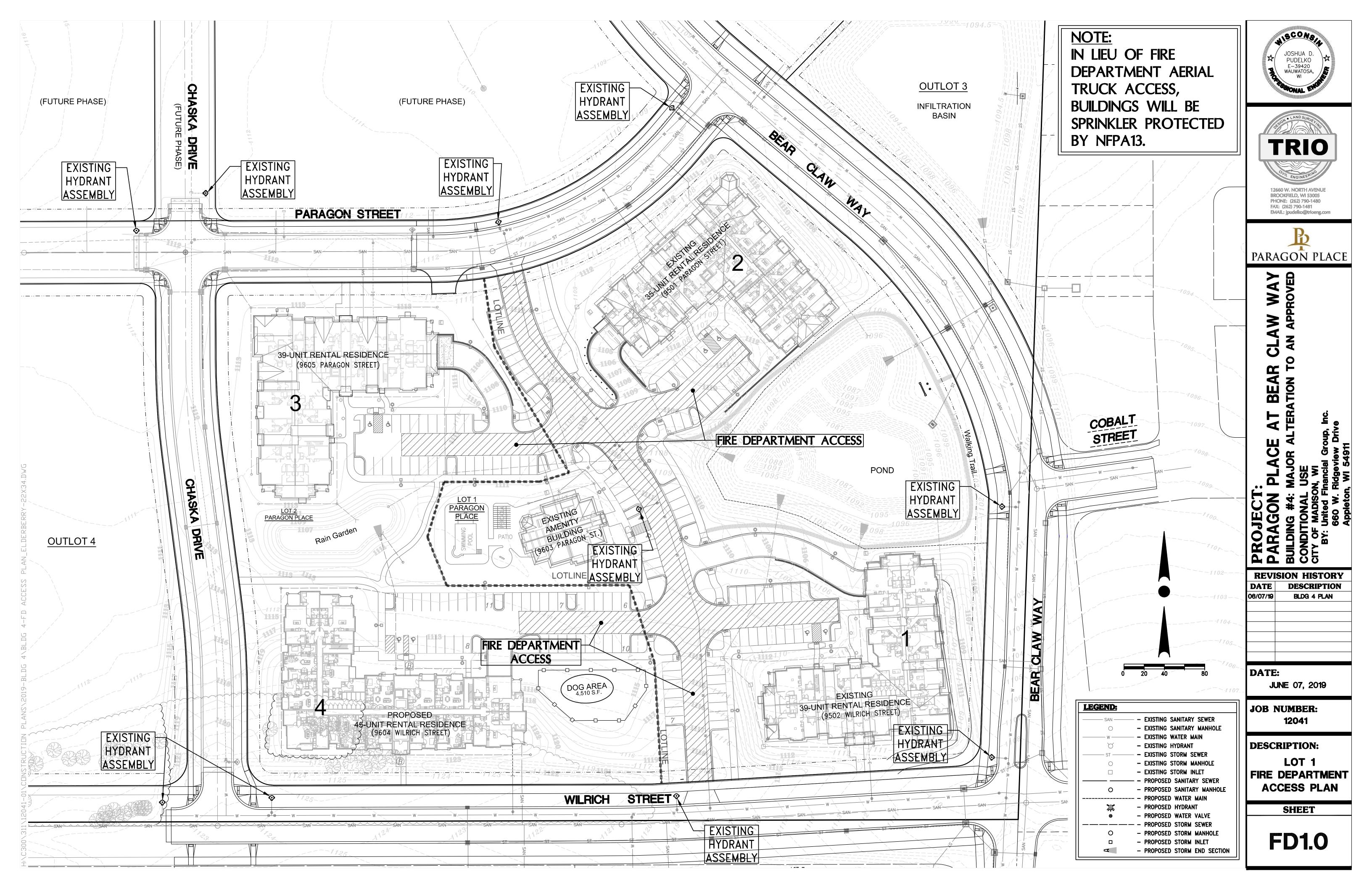


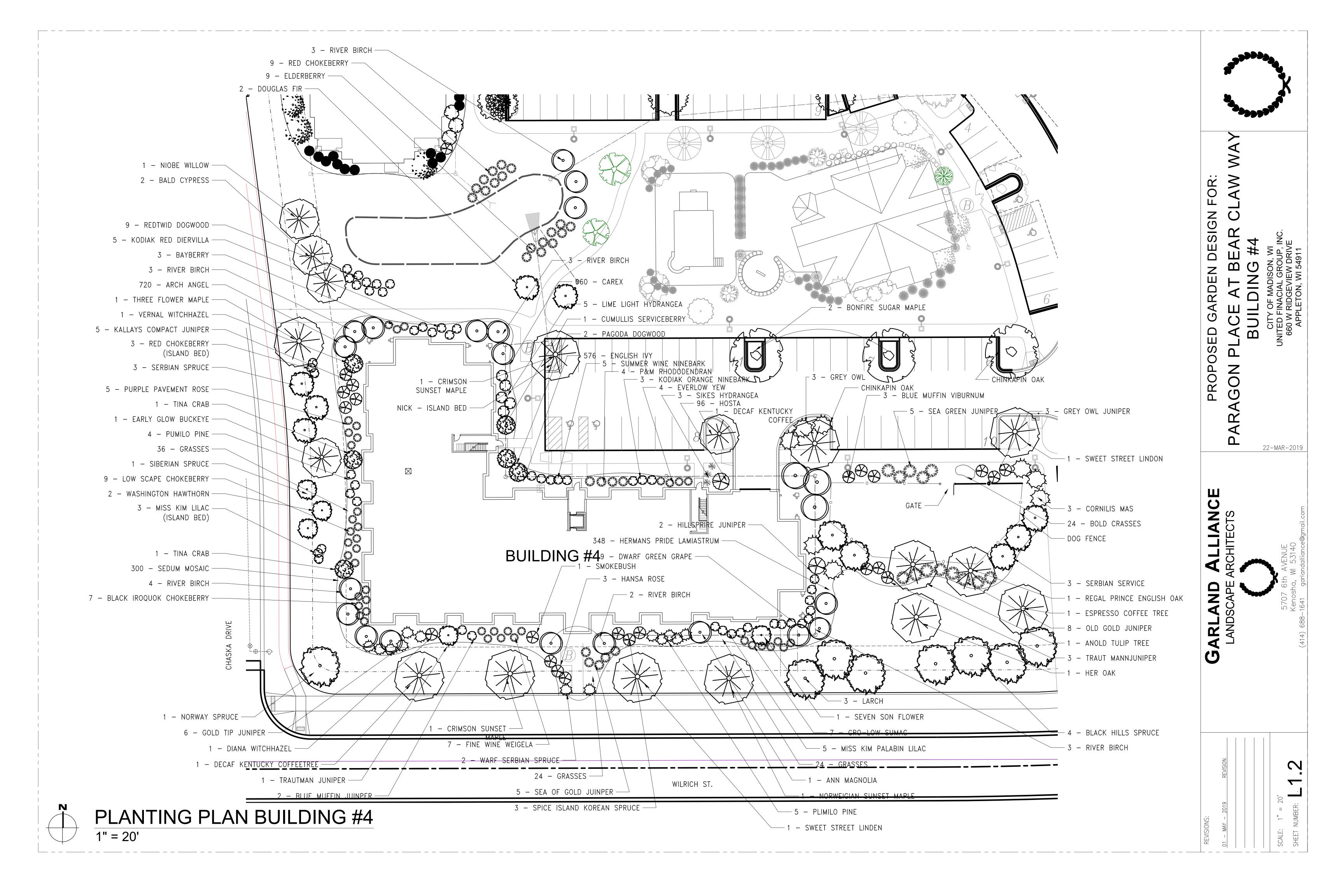












GENERAL PLANTING NOTES

The landscape contractor shall be responsible for complete coordination of planting operation as well as other contracted work, with the other contractors on the job. Repair of damage to the plants, grade, lawns, etc. during installation shall not be considered as an extra, and not chargeable to the Owner. Damage caused by other contractors shall be the responsibility of said contractor.

The contractor shall, at all times, keep the premises free from accumulation of waste material, soil and/or rubbish caused by his employees or work. Contractor shall clean behind his work immediately, and shall take necessary precautions to keep concrete, brick and other paving material clean of soil.

Materials planted and damaged or destroyed by any phenomena considered as an act of God, e.g., vandalism, wind, fire, flood, frost, theft, rain, hail, etc., shall belong to the Owner and shall be his responsibility. Materials stored on-site as not yet planted are not covered by this clause and are the sole responsibility of the contractor.

All plant material furnished by the contractor, unless otherwise specified, shall be No. 1 grade or better in accordance with GRADED AND STANDARDS FOR NURSERY PLANTS as described in ANSI 260.1 1996. Landscape Architect reserves all right to determine acceptability of plant material submitted for planting.

All plants shall be planted in pits, centered and set on six inches of compacted topsoil to such a depth that the finish grade level, at the plant, after settlement will be the same as that at which the plant was grown. All planting areas shall received adequate fertilization with 'Easy Grow' 3 yr. (1 oz.) fertilizer packets or equivalent. Granular fertilizer will be accepted, but must be approved by Landscape Architect. Please submit specifications.

Application Rates shall be as follows:

Trees:

1-1/2" to 3" cal.: 2 packets, one each side Greater than 3": Add 1 packet per 1" cal. (i.e. 4"- 4 packets)

1 packet for every 12" height or spread. (Space evenly if 2 or more packets required)

Perform all work necessary for installing sod and/or seed as shown on the drawings or inferable therefrom and/or as specified, in accordance with the requirements of the contract documents. Immediately prior to seeding, the ground shall be scarified and raked to a friable fine texture. Lawn areas shall be seeded with a mechanical spreader at the rate as recommended for local conditions. After seeding, all areas shall be raked to satisfactorily cover seed, and then thoroughly watered and covered with treated shredded paper mulch or straw mulch. The methods of seeding may be varied by the contractor by his own responsibility to establish a smooth uniform turf. Hydro mulch embankments that exceed 1:4 slopes.

Seed shall be true to specie as called for on the seeding plan. All seed shall be delivered to the job site in sacks plainly marked and certified as to content.

Sod shall be placed when the ground is in workable condition and temperatures are less than 90 degrees Fahrenheit.

Landscape contractor shall water sod immediately after installation to prevent excessive drying during progress of the work. As sodding is completed in any one section, the entire area shall be rolled. It shall then be thoroughly irrigated to a depth sufficient that the underside of the new sod pad and soil immediately below the sod are thoroughly wet.

The landscape contractor shall verify grades established during final soil preparation as being true to finish contours shown, and shall maintain such areas until the effective date to begin sodding and/or seeding operation. In such instances where a split responsibility existing between grading and grassing contractors, it shall be the responsibility of the grassing contractor to maintain a suitable grade for grassing once he has accepted the grade provided to him. In all cases, the ground shall be hand raked immediately prior to being sodded to remove any irregularities in the grade.

Guarantee period for plant materials shall be as follows:

cut sheets for further information.

| Lawns (seed & sod)* | 3 months |
|-------------------------------------|---------------------------|
| Ground Cover | 3 months |
| Shrubs | 12 months |
| Trees | 12 months |
| Perennials, Roses & Japanese Maples | 90 days from installation |

*(If lawn is installed in fall and not given full 90 days of guarantee periods, or if not considered acceptable at that time, continue guarantee the following spring until acceptable lawn is established.)

All shrub planting beds to be lined with a minimum of 2-3" shredded bark mulch (no plastic liners). Place mulch at base of all trees (minimum 4' diameter).

A 10/10/10 fertilizer mixture shall be applied at 20#/1000 SF and worked into the lawn bed before seeding or sodding.

Recommended seed mix: Premium 60 grass seed mix - Reinder's (262-786-3300) No-Mow low grow grass seed mix - Reinder's 45% Spartan II Hard Fescue 20% America Kentucky Bluegrass 20% Granite Kentucky Bluegrass 40% Quatro Sheep Fescue 20% Mercury Kentucky Bluegrass 15% Turf Type Annual Ryegrass 20% Longfellow 3 Chewings Fescue Apply at a rate of 175 Pounds per acre. Refer to supplier specification and installation 10% Replicator Perennial Ryegrass 10% Fiesta 4 Perennial Ryegrass cut sheets for further information. Apply at a rate of 175 pounds per acre. Refer to supplier specification and installation

Proposed trees to be staked as required. Verify with Landscape Architect if exposure and wind conditions prevalent.

Any series of trees to be placed in a particular arrangement will be field checked for accuracy. Trees of same species to be matched in growth character and uniformity. Any trees misplaced will be subject to rejection.

Upon acceptance of the landscape installation, the landscape contractor shall supply the Landscape Architect with a complete and adequate maintenance program to be followed during and after the guarantee period. The landscape contractor shall make periodic inspections of the job during the guaranteed period to determine if proper maintenance is being given.

It shall be understood that in accordance with the terms of the guarantee that the landscape contractor must promptly inform the Owner if proper maintenance is not being given to the installation. Such notice shall be in writing, outlining corrective measures to be taken, with a copy to Landscape Architect. At any time during the guarantee period, the landscape contractor shall be required to replace all plants that are dead or in unsatisfactory condition of growth. All replacement plants shall be of like size and kind of the plants removed. Any seed areas over one foot square not covered by turf shall be reseeded by the contractor. Any seed areas over one foot square that are dead or dying shall be replacements included within the guarantee and shall be landscape contractor's expense.

Any alteration to the landscape plan will be submitted to the Project Manager for approval by the Landscape Architect.

Landscape contractors are responsible for making sure all tree balls are moist at the core when trees are installed.

Lawn edges that abut parking lots with no curbing shall be double seeded to a width of 5'.

Pre-Emergent Herbicide (Treflan or Equiv.) to be applied to all plant beds prior to planting for noxious weed control.

The guantities indicated on the material schedule are provided for the benefit of the contractor, but should not be assumed to always be correct. In the even of a discrepancy, the planting plan will take precedence over the material schedule. The contractor shall be responsible for his own quantity calculation and the liability pertaining to those quantities and any related contract documents and/or price quotations.

PLANT MATERIAL SHOWN ON LANDSCAPE PLAN IS DEPICTED AT MATURE GROWTH At least seventy-two hours prior to any excavation, contractor shall verify utility location as given by the electric, gas, telephone, water, sewer, and cable companies, utilities or entities. Review with the owner's representative, site mechanical, site electrical and lighting. Site grading and drainage, site irrigation and all other drawings pertaining to underground utility locations record set of information the same as in possession of owner's representative. Also review owner's "mark sets" of all of these drawings in possession of the contractor or owner. Mark all such utilities on the site prior to commencing. Coordinate with the owner before and during construction. Repair any damage to any system that is caused by landscape contractor at no cost to owner.

Deviations from these plans shall be noted on the record drawing by the contractor and only with prior approval of the landscape architect and owner's representative. Verbal agreements of revisions without a change order will not be recognized by the landscape architect and owner.

All plants must be bid and selected per the species specified on the plans. The sizes of plant material listed herein is a minimum acceptable size. Additionally, if excessive pruning reduces the crown and the plant shall be replaced.

All areas that are disturbed during construction and areas not covered with pavement, building, planting beds, or tree pits are to be top soiled 4-6" deep (min.) and shall be sodded/seeded with specified lawn grass. Landscape contractor shall include cost per square yard for additional seed operation as may possibly be required to reestablish adjacent turf grass areas which may become damaged during the construction process or to repair damage done by others.

Contractor is responsible for furnishing all materials, tools, equipment, labor and plants necessary for proper planting and installation of all landscape material.

site conditions.

Where discrepancies occur between the landscape plans and/or architectural and/or civil drawing (and any other site drawings) the discrepancies must be brought to the landscape architect's attention for coordination and resolution.

All diseased, noxious or inappropriate materials shall be removed from the proposed site prior to the start of construction and during the maintenance period.

General contractor shall leave the site free of construction debris.

All lawn and planting areas shall slope to drain a minimum of 2% unless noted otherwise and reviewed with owner's representative for final approval.

Finish grades for shrub and ground cover areas shall be held 1" below top of adjacent pavements and curb, unless noted otherwise on the plans. Refer to planting details for further information.

All perennial, annual, and ground cover areas to receive a blend of organic soil amendments prior to planting. Till the following materials into existing topsoil to a depth of approximately 8". A depth of 12" in tree pits. Proportions and quantities may require adjustment depending on the condition of existing soil. Refer to planting details for further information.

Per every 100 square feet add:

- One 2 Cubic foot bale of peat moss
- 2 pounds of 5-10-5 garden fertilizer
- $\frac{3}{4}$ cubic yard of composted manure

All shrubs to be pocket planted with a 50/50 mix of plant starter and existing soil. Install topsoil into all beds as needed to achieve proper grad. Remove all excessive gravel, clay and stones. Refer to planting details for further information.

Plant all trees slightly higher than finished grade at root flare. Back fill hole with 2/3 existing topsoil and 1/3 peat moss. Avoid any air pockets, discard any gravel, clay or stones. Refer to planting details for further information.

All trees to be installed, staked or guyed according to details. Refer to planting details for further information.

All planting to be watered at the time planting throughout construction and upon completion of project as required.

Protect public from construction barrier and barricades.

Contractor is responsible for all estimating and bidding. All areas, quantities and materials should be field verified with

Plant starter or other composted, organic material

** Premixed soils will be accepted, i.e. Purple Cow, Soil-Life, etc. Please notify Landscape Architect of alternatives used.

Where specified, all plant beds, pits and tree rings are to receive a minimum of 2-3" dressing of shredded hardwood oak bark mulch shavings (or brown enviro-mulch) free of growth, weeds, foreign matter detrimental to plant life or germination inhibiting ingredients. Landscape contractor to provide a sample to owner for approval. Contractor to take care with installation not to damage or cover plants. Refer to planting details for further information.

During the initial 30 day maintenance period the landscape contractor is required to provide an on-going pleasant visual environment whereas any plant which is not responding to transplanting or thriving shall immediately be replaced. New lawns shall be watered and repaired and weeds must constantly be removed. No exceptions will be granted.

Landscape/site demolition contractor to verify locations of existing trees and shrubs to be salvaged and clearly tag them with marking tape and construction fence.

Landscape/site demolition contractor to verify locations of existing trees and shrubs to be relocated. All plant materials to be relocated is to be clearly tagged with marking tape and moved before site demolition is to begin.

Irrigation system to be designed for a overlapping sprinkler head system in all lawn & island areas and a drip system for all foundation planting areas.

Contractor Note:

Before site grading and demolition is to begin for proposed new pavement, the area is to be staked and all trees and shrubs that are to be preserved are to be tagged by landscape architect and relocated by landscape contractor. If required a tree preservation plan will be produced and coordinated with city staff. Demolition contractor to coordinate w/landscape architect, owner and landscape contractor.

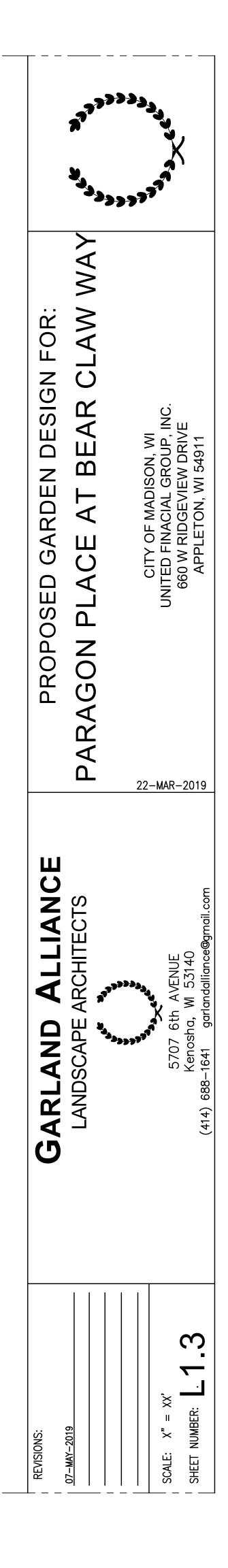
PLANT SCHEDULE

| | | ON PLACE- SHEET I | | | |
|-----|-------------------------------------|-----------------------------------|--------|----------|--|
| 01 | Determined Name | | | | REVISED: 21.FEBRUARY.2019 |
| Qty | Botanical Name | Common Name | Size | Root Cnd | Comments |
| 3 | Acer griseum | Paperbark Maple | 2-1/2" | B&B | |
| 1 | Acer palmatum 'Bloodgood' | Bloodgood Japanese Maple | 6-7' | B&B | |
| 3 | Amelanchier x 'Cumulus' | Cumulus' Serviceberry | 8-9' | B&B | Multi-trunk |
| 15 | Betula nigra 'Heritage' | Heritage' River Birch | 10-12' | B&B | No. 16 Annuals |
| 3 | Cornus mas 'Golden Glory' | Golden Glory' Cornealiancherry | 7-8' | B&B | Multi-trunk |
| 2 | Crataegus crus galli inermis | Thornless Hawthorn | 5-6' | B&B | Multi-trunk |
| 1 | Magnolia x "Ann" | Ann Magnolia | 5-6' | B&B | |
| 3 | Ostrya virginiana | Ironwood | 2-1/2" | B&B | |
| 1 | Syringa reticulata | Japanese Tree Lilac | 2" | B&B | |
| 1 | Picea abies | Norway Spruce | 10' | B&B | |
| 4 | Pinus sylvestris | Scot Pine | 6-7' | B&B | Waterii' |
| 15 | Diervilla sessilifolia 'Coolsplash' | Cool Splash Dwarfbush Honeysuckle | 18" | cont. | |
| 15 | Diervilla sessilifolia 'Butterfly' | Butterfly' Dwfbush Honeysuckle | 18" | cont. | |
| 6 | Hydrangea quecifolia 'Sikes' | Sikes' Hydrangea | 18" | cont. | |
| 7 | Kerria japonica 'Geisha' | Geisha' Kerria | 18" | cont. | |
| 9 | Rhus aromatica "Gro-low" | Gro-Low Fragrant Sumac | 18" | cont. | |
| 5 | Rosa rugosa " Purple Pavement' | Purple Pavement' Shrub Rose | 18" | cont. | |
| 1 | Viburnum x "Juddii" | Judd Viburnum | 24-30" | B&B | |
| 1 | Viburnum carlesii | Koreanspice Viburnum | 24-30" | B&B | |
| 3 | Viburnum dentatum "Blue Muffin" | Blue Muffin Viburnum | 30-36" | B&B | |
| | Viburnum dentatum "Chicago | | | | |
| 10 | Lustre" | Chicago Lustre Viburnum | 3-4" | cont. | |
| 5 | Viburnum prunifolium | Blackhaw Viburnum | 5-6' | B&B | |
| | Physocarpus opulifolius "Summer | | | | |
| 6 | Wine" | Summer Wine Ninebark | 4-Mar | cont. | |
| 42 | Buxus x 'Green Mountain' | Green Mountain Boxwood | 18" | B&B | |
| | Juniperus chinensis Pfitzeriana | | | | |
| 8 | "Kallays Compact" | Kallays Compact Pfitzer Juniper | 24-30" | cont. | |
| 10 | Juniperus sargentii viridis | Green Sargent Juniper | 24-30" | cont. | |
| 5 | Juniperus sargentii var. glauca | Blue Sargent Juniper | 24-30" | cont. | |
| 9 | Juniperus x "Grey Owl" | Grey Owl Juniper | 24-30" | cont. | |
| 2 | Picea omorika 'Nana' | Dwarf Serbian spruce | 18" | cont. | |
| 10 | Taxus x 'Tautonii' | Tuaton Yew | 24-30" | B&B | |
| 600 | Lamiastrum galeobdolon | Archangel | 4-1/2" | 32/flat | 'Herman's Pride' |
| 240 | Geranium | Perennial Geranium | 1 gal | cont. | Bevan's Variety' |
| 120 | Sedum | Assorted | 1 gal | cont. | Autumn Fire', Matrona, 'Brilliant'Frosty Morn' |
| 360 | Sedum | Assorted | 4-1/2" | cont. | 6 cultivars of creeping variety, mixed colors and foliag |
| 288 | Ornamental Grasses | Grasses | 1 gal | cont. | 90-'Shenandoah,36-Deschampsia, 36-Sesleria autumna |
| | 48- Sporobulus-Prairie Dropseed | 78-Sporobulus-Prairie Dropseed | - 041 | | |
| 420 | Carex glauca | Sedges | 1 gal | cont. | Blue Zinger' |

NOTE: The seed mixes for the rain gardens

A blend of native wildflowers, grasses and sedges, designed specifically for damp soils. It can withstand ponding up to 48 hours. This mix will also tolerate periodic dry spells and is perfect for retention ponds, detention basins and drainage areas. It does best in full sun to partial shade. Seed @ 1/4 lb. / 1000 sq. ft. (10 lbs. / acre).

| Wildflowers | | | | BLOOM | BLOOM | BLOOM |
|--------------------------|-------------------------|--------------|-----------|----------|-----------|-------------|
| COMMON NAME: | BOTANICAL NAME: | % of Mix | LIFESPAN | | HEIGHT | PERIOD |
| Bergamot (Bee Balm) | Monarda Fistulosa | 2% | Perennial | Lavender | 2'-4' | July-Sept |
| Black-eyed Susan | Rudbeckia Hirta | 8% | Biennial | Yellow | 1'-3' | June-Oct |
| Blue Vervain | Verbena Hastata | 8% | Perennial | Blue | 2'-6' | July-Sept |
| Canadian Milkvetch | Astagalus Canadensis | 4% | Perennial | Cream | 1'-4' | June-August |
| Cup Plant | Silphium Perfoliatum | 3% | Perennial | Yellow | 3'-8' | July-Sept |
| New England Aster | Aster Novae-Angliae | 2% | Perennial | Purple | 2'-5' | August-Oct |
| Ox-eye (False Sunflower) | Heliopsis Helianthoides | 4% | Perennial | Yellow | 2'-5' | June-Sept |
| Prairie Blazing Star | Liatris Pycnostachya | 2% | Perennial | Purple | 2'-4' | July-Sept |
| Red Milkweed | Asclepias Incarnata | 2% | Perennial | Red | 3'-5' | June-August |
| Stiff Goldenrod (Rigid) | Solidago Rigida | 4% | Perennial | Yellow | 1'-5' | August-Oct |
| Wild Golden Glow | Rudbeckia Laciniata | 3% | Perennial | Yellow | 3'-12' | July-Oct |
| Yellow Coneflower | Ratibida Pinnata | 8% | Perennial | Yellow | 3'-6' | July-Sept |
| Native Grass, Sedge | COMMON NAME: | BOTANICAL | NAME: | % of Mix | LIFESPAN | HEIGHT |
| & Rush Seed: | Big Bluestem | Andropogon | Gerardi | 20% | Perennial | 3'-8' |
| | Fox Sedge | Carex Vulpin | | 10% | Perennial | 1'-3' |
| | Virginia Wild Rye | Elymus Virg | inicus | 20% | Perennial | 2'-4' |



GENERAL PLANTING NOTES

The landscape contractor shall be responsible for complete coordination of planting operation as well as other contracted work, with the other contractors on the job. Repair of damage to the plants, grade, lawns, etc. during installation shall not be considered as an extra, and not chargeable to the Owner. Damage caused by other contractors shall be the responsibility of said contractor.

The contractor shall, at all times, keep the premises free from accumulation of waste material, soil and/or rubbish caused by his employees or work. Contractor shall clean behind his work immediately, and shall take necessary precautions to keep concrete, brick and other paving material clean of soil.

Materials planted and damaged or destroyed by any phenomena considered as an act of God, e.g., vandalism, wind, fire, flood, frost, theft, rain, hail, etc., shall belong to the Owner and shall be his responsibility. Materials stored on-site as not yet planted are not covered by this clause and are the sole responsibility of the contractor.

All plant material furnished by the contractor, unless otherwise specified, shall be No. 1 grade or better in accordance with GRADED AND STANDARDS FOR NURSERY PLANTS as described in ANSI 260.1 1996. Landscape Architect reserves all right to determine acceptability of plant material submitted for planting.

All plants shall be planted in pits, centered and set on six inches of compacted topsoil to such a depth that the finish grade level, at the plant, after settlement will be the same as that at which the plant was grown. All planting areas shall received adequate fertilization with 'Easy Grow' 3 yr. (1 oz.) fertilizer packets or equivalent. Granular fertilizer will be accepted, but must be approved by Landscape Architect. Please submit specifications.

Application Rates shall be as follows:

Trees:

1-1/2" to 3" cal.: 2 packets, one each side Greater than 3": Add 1 packet per 1" cal. (i.e. 4"- 4 packets)

1 packet for every 12" height or spread. (Space evenly if 2 or more packets required)

Perform all work necessary for installing sod and/or seed as shown on the drawings or inferable therefrom and/or as specified, in accordance with the requirements of the contract documents. Immediately prior to seeding, the ground shall be scarified and raked to a friable fine texture. Lawn areas shall be seeded with a mechanical spreader at the rate as recommended for local conditions. After seeding, all areas shall be raked to satisfactorily cover seed, and then thoroughly watered and covered with treated shredded paper mulch or straw mulch. The methods of seeding may be varied by the contractor by his own responsibility to establish a smooth uniform turf. Hydro mulch embankments that exceed 1:4 slopes.

Seed shall be true to specie as called for on the seeding plan. All seed shall be delivered to the job site in sacks plainly marked and certified as to content.

Sod shall be placed when the ground is in workable condition and temperatures are less than 90 degrees Fahrenheit.

Landscape contractor shall water sod immediately after installation to prevent excessive drying during progress of the work. As sodding is completed in any one section, the entire area shall be rolled. It shall then be thoroughly irrigated to a depth sufficient that the underside of the new sod pad and soil immediately below the sod are thoroughly wet.

The landscape contractor shall verify grades established during final soil preparation as being true to finish contours shown, and shall maintain such areas until the effective date to begin sodding and/or seeding operation. In such instances where a split responsibility existing between grading and grassing contractors, it shall be the responsibility of the grassing contractor to maintain a suitable grade for grassing once he has accepted the grade provided to him. In all cases, the ground shall be hand raked immediately prior to being sodded to remove any irregularities in the grade.

Guarantee period for plant materials shall be as follows:

cut sheets for further information.

| Lawns (seed & sod)* | 3 months |
|-------------------------------------|---------------------------|
| Ground Cover | 3 months |
| Shrubs | 12 months |
| Trees | 12 months |
| Perennials, Roses & Japanese Maples | 90 days from installation |

*(If lawn is installed in fall and not given full 90 days of guarantee periods, or if not considered acceptable at that time, continue guarantee the following spring until acceptable lawn is established.)

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