

URBAN DESIGN COMMISSION APPLICATION

UDC

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



FOR OFFICE USE ONLY:

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

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.

1. Project Information

Address: 5614 Schroeder Road
Title: _____

2. Application Type (check all that apply) and Requested Date

UDC meeting date requested December 5, 2018
☒ New development ☐ Alteration to an existing or previously-approved development
☐ Informational ☐ Initial approval ☒ Final approval

3. Project Type

- ☒ Project in an Urban Design District
- ☐ 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)
☐ Specific Implementation Plan (SIP)
- ☐ Planned Multi-Use Site or Residential Building Complex
- Signage**
☐ Comprehensive Design Review (CDR)
☐ Signage Variance (i.e. modification of signage height, area, and setback)
- Other**
☐ Please specify _____

4. Applicant, Agent, and Property Owner Information

Applicant name Helen Bradbury **Company** Stone House Development, Inc.
Street address 1010 E. Washington Ave **City/State/Zip** Madison, WI 53703
Telephone 608-251-6000 **Email** hnb@stonehousedevelopment.com

Project contact person Brian Stoddard **Company** Knothe & Bruce Architects, LLC
Street address 7601 University Avenue, Ste 201 **City/State/Zip** Middleton, WI 53562
Telephone 608-836-3690 **Email** bstoddard@knothebruce.com

Property owner (if not applicant) _____
Street address _____ **City/State/Zip** _____
Telephone _____ **Email** _____

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*

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.

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 Commission staff. This application was discussed with _____ on UDC Meeting 9-13-2018
- The applicant attests that all required materials are included in this submittal and understands that if any required information is not provided by the application deadline, the application will not be placed on an Urban Design Commission agenda for consideration.

Applicant name Helen BradburyRelationship to property OwnerAuthorized signature of Property Owner Helen BradburyDate 10/10/18

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

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:

- Informational Presentation. 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.
- Final Approval. 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.

1. Informational Presentation

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within a Urban Design District, a summary of how 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.

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

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)**

2. Initial Approval

- ☐ Locator Map
- ☐ Letter of Intent (If the project is within a Urban Design District, a summary of how 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)

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

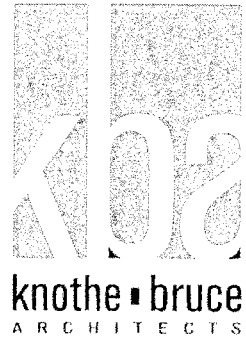
3. Final Approval

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)
- ☒ 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 how 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



October 17, 2018

Heather Stouder
Department of Planning & Development
City of Madison
215 Martin Luther King Jr. Blvd
Madison, Wisconsin 53703

Re: Letter of Intent – Conditional Use
5614 Schroeder Road
Madison, WI

Ms. Heather Stouder,

The following is submitted together with the plans and application for staff review and sign-off.

Organizational Structure:

| | | | |
|------------------|--|-------------------|---|
| Owner/Developer: | Stone House Development, Inc 1010 E. Washington Ave. Madison, WI 53703 Phone: 608-251-6000 Contact: Rich Arnesen rarnesen@stonehousedevlopment.com | Engineer: | Vierbicher Engineering, Inc. 999 Fourier Drive Suite 201 Madison, WI 53717 Phone: 608-862-0532 Fax: 608-826-0530 Contact: Randy Kolinske rkol@vierbicher.com |
| Architect: | Knothe & Bruce Architects, LLC 7601 University Avenue, Ste. 201 Middleton, WI 53562 Phone: 608-836-3690 Contact: Brian Stoddard bstoddard@knothebruce.com | Landscape Design: | Ken Saiki Design 1110 S. Park St Madison, WI 53715 Phone: 608-251-3600 Contact: Abbie Moilien amoilien@ksd-la.com |

Introduction:

The proposed site is located on the north east corner of Schroeder Road and Schroeder Court; west of Whitney Way and south of the Beltline. The property is zone CCT – Commercial Corridor-Transitional District. Multi-family housing requires conditional use approval in a CCT district.

This proposal will create a mixed-use building with approximately 4,000 square feet of commercial space and 96 apartments of workforce housing financed with the assistance of Low Income Housing Tax Credits. The existing Babe's Grill & Bar will be deconstructed for the redevelopment of the site.

Project Description:

The new development consists of a new four-story, “U-shaped” building that creates an attractive edge along the public streets and a private interior courtyard containing a child’s play area and an outdoor grilling/seating area for residents. There is a shared garden space on the northeast edge of the site. The commercial space is located in the southeast corner of the building, fronting on Schroeder Road and a parking area. The commercial space has a potential outdoor patio space, also fronting on Schroeder Road. The building will include 82 underground parking stalls and 67 surface stalls.

Surrounding uses include: multi-tenant commercial to the north, a restaurant to the east, Vitense Golfland to the south and multifamily to the west.

The building architecture a simple architecture that references both the residential and commercial characteristics of the area. The exterior materials will be a combination of masonry with a manufactured cut stone base and horizontal fiber-cement siding. Landscaping along the two streets enhance the building and provide an attractive buffer and streetscape.

The apartment building main entry is located in the interior courtyard while the commercial space entry will be where you enter the site of Schroeder Road. Multiple townhome entries punctuate the remaining street facades and courtyard facades and provide a residential scale to the development. Vehicular access to the underground parking is achieved from Schroeder Court and generally screened from street view.

Affordable Housing

The proposed project is designed and financed to provide affordable housing to a range of family sizes and incomes. Unit sizes range from one bedroom to three bedroom apartments and income limits will range from 30% of the Dane County Median to 60% of the Dane County Median. Of the 96 apartments and townhomes, 81 will be income-restricted. All of the three bedroom townhomes will be income restricted providing an opportunity for families to live in high-quality housing environment.

This project will be financed with the assistance of federal LIHTC’s that are administered by the Wisconsin Housing and Economic Development Authority.

Demolition

The existing site currently has an existing structure. We believe that the demolition standards can be met. The demolition allows for an important redevelopment that will provide affordable housing to this neighborhood. A Re-use and Recycling Plan will be submitted prior to the deconstruction of the structure.

Neighborhood Input:

A well-attended meeting with neighbors and neighborhood representatives was held on September 20, 2018. The project is adjacent to the Greentree neighborhood and the majority of the attendants were from there. Concerns were expressed regarding the potential impact on area schools, police and traffic. The Alders from District 19 and 20 were present and both are supportive of the project. A second meeting is planned for early November which will include school administrators, police representatives and city traffic staff.

Site Development Data:

Densities:

| | |
|-----------------------|---|
| Lot Area | 91,053 S.F. / 2.09 acres |
| Dwelling Units | 96 DU |
| Lot Area / D.U. | 948 S.F./D.U. |
| Density | 45.9 units/acre |
| Usable Open Space | 36,003 S.F. |
| Open Space / Bedroom | 220 S.F. / Bedroom (160 SF min. required) |
| Lot Coverage | 59,592 S.F. = 65% (85% max. allowable)) |
| Commercial Area | |
| Building | ~4032 S.F. |
| <u>Patio</u> | ~1117 S.F. |
| Total | ~5149 S.F. |
| Residential Area | |
| 1st Floor | 24,418 S.F. |
| 2nd Floor | 28,590 S.F. |
| 3 rd Floor | 28,590 S.F. |
| 4 th Floor | <u>27,827 S.F.</u> |
| Total | 109,425 S.F. |

Building Height: 4 Stories

Dwelling Unit Mix:

| | |
|--------------------------------|-----------|
| One Bedroom | 44 |
| Two Bedroom | 37 |
| Three Bedroom Flat | 1 |
| <u>Three Bedroom Townhouse</u> | <u>14</u> |
| Total | 96 units |

Vehicle Parking:

| | |
|----------------|--------------------|
| Underground | 82 |
| <u>Surface</u> | <u>62</u> |
| Total | 144 vehicle stalls |

Est. 4000 S.F. commercial seating space @ 4 stalls/1000S.F. = 16 stalls
 Residential: 128 stalls @ 96 DU = 1.33 stalls/unit

Bicycle Parking:

| | |
|-----------------------------|--------------------------|
| Underground garage - wall | 24 Stalls (covered) |
| Underground/Std. 2x6 | 75 Stalls (covered) |
| Surface - Residential | 5 Stalls |
| Surface - Guest | 10 Stalls (10% of units) |
| <u>Surface - Commercial</u> | <u>2 Stalls</u> |
| Total | 116 Stalls |



D-Series Size 0 LED Area Luminaire



| |
|----------------|
| Catalog Number |
| Notes |
| Type |

Hit the Tab key or mouse over the page to see all interactive elements.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**¹

To learn more about A+, visit www.acuitybrands.com/aplus.

- See ordering tree for details.
- A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

Specifications

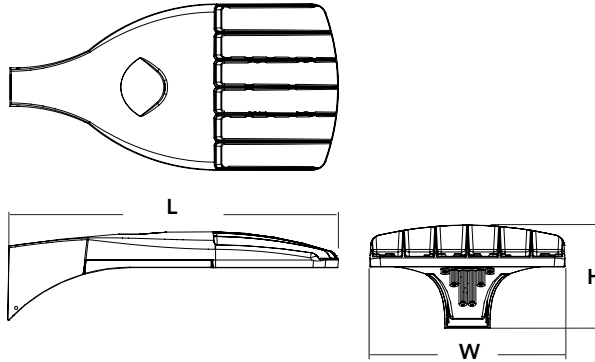
EPA: 0.95 ft²
(.09 m²)

Length: 26"
(66.0 cm)

Width: 13"
(33.0 cm)

Height: 7"
(17.8 cm)

Weight (max): 16 lbs
(7.25 kg)



A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA DDBXD

| DSX0 LED | | | | | |
|--|--|---|--|---|--|
| Series | LEDs | Color temperature | Distribution | Voltage | Mounting |
| DSX0 LED | Forward optics P1 P4 P7 P2 P5 P3 P6 Rotated optics P10 ¹ P12 ¹ P11 ¹ P13 ¹ | 30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted ² | T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium TSVS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control ^{2,3} LCCO Left corner cutoff ^{2,3} RCCO Right corner cutoff ^{2,3} | MVOLT ^{4,5} 120 ⁶ 208 ^{5,6} 240 ^{5,6} 277 ⁶ 347 ^{5,6,7} 480 ^{5,6,7} | Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁸ RPUMBA Round pole universal mounting adaptor ⁸ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁹ |
| Control options | | | | Other options | Finish (required) |
| Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹⁰ PER NEMA twist-lock receptacle only (control ordered separate) ¹¹ PER5 Five-wire receptacle only (control ordered separate) ^{11,12} PER7 Seven-wire receptacle only (control ordered separate) ^{11,12} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{5,13,14} PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{5,13,14} PIRHN Network, Bi-Level motion/ambient sensor ¹⁵ PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{5,13,14} | | | | Shipped installed HS House-side shield ²⁰ SF Single fuse (120, 277, 347V) ⁶ DF Double fuse (208, 240, 480V) ⁶ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ²⁰ Shipped separately BS Bird spikes ²¹ EGS External glare shield ²¹ | DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white |



Ordering Information

Accessories

Ordered and shipped separately.

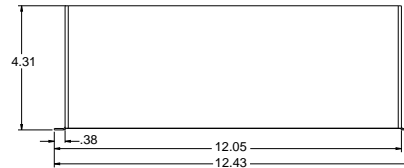
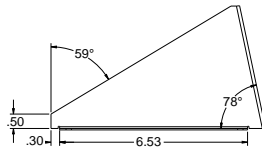
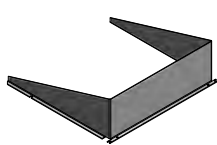
| | |
|--------------------|---|
| DLL127F 1.5 JU | Photocell - SSL twist-lock (120-277V) ²² |
| DLL347F 1.5 CUL JU | Photocell - SSL twist-lock (347V) ²² |
| DLL480F 1.5 CUL JU | Photocell - SSL twist-lock (480V) ²² |
| DSHORT SBK U | Shorting cap ²² |
| DSX0HS 20C U | House-side shield for 20 LED unit ²⁰ |
| DSX0HS 30C U | House-side shield for 30 LED unit ²⁰ |
| DSX0HS 40C U | House-side shield for 40 LED unit ²⁰ |
| DSX0DDL U | Diffused drop lens (polycarbonate) ²⁰ |
| PUMBA DDBXD U* | Square and round pole universal mounting bracket adaptor (specify finish) ²³ |
| KMA8 DDBXD U | Mast arm mounting bracket adaptor (specify finish) ²³ |

For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

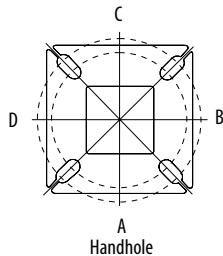
- P10, P11, P12 and P13 and rotated options (L90 or R90) only available together.
- AMBPC is not available with BLC, LCCO, RCCO, P4, P7 or P13.
- Not available with HS or DDL.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Any PIRx with BL30, BL50 or PNMT, is not available with 208V, 240V, 347V, 480V or MVOLT. It is only available in 120V or 277V specified.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Not available in P4, P7 or P13. Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA mounting. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Must be ordered with PIRHN.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- If ROAM* node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Reference Motion Sensor table on page 3.
- Reference PER Table on page 3 to see functionality.
- Must be ordered with NLTAIR2. For more information on nLight Air 2 visit [this link](#).
- Requires (2) separately switched circuits.
- Not available with 347V, 480V or PNMT. For PER5 or PER7 see PER Table on page 3. Requires isolated neutral.
- Not available with 347V, 480V, BL30 and BL50. For PER5 or PER7 see PER Table on page 3. Separate Dusk to Dawn required.
- Not available with other dimming controls options.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- Must be ordered with fixture for factory pre-drilling.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table on page 3.
- For retrofit use only.

External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter**

| Tenon O.D. | Single Unit | 2 at 180° | 2 at 90° | 3 at 120° | 3 at 90° | 4 at 90° |
|------------|-------------|-----------|-----------|-----------|-----------|-----------|
| 2-3/8" | AST20-190 | AST20-280 | AST20-290 | AST20-320 | AST20-390 | AST20-490 |
| 2-7/8" | AST25-190 | AST25-280 | AST25-290 | AST25-320 | AST25-390 | AST25-490 |
| 4" | AST35-190 | AST35-280 | AST35-290 | AST35-320 | AST35-390 | AST35-490 |

Pole drilling nomenclature: # of heads at degree from handhole (default side A)

| DM19AS | DM28AS | DM29AS | DM32AS | DM39AS | DM49AS |
|---------|------------|------------|-----------------|----------------|------------------|
| 1 @ 90° | 2 @ 280° | 2 @ 90° | 3 @ 120° | 3 @ 90° | 4 @ 90° |
| Side B | Side B & D | Side B & C | Round pole only | Side B, C, & D | Sides A, B, C, D |

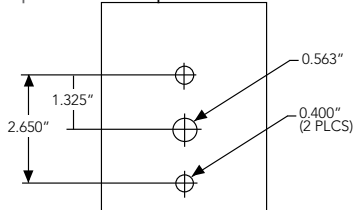
Note: Review luminaire spec sheet for specific nomenclature

| Pole top or tenon O.D. | 4.5" @ 90° | 4" @ 90° | 3.5" @ 90° | 3" @ 90° | 4.5" @ 120° | 4" @ 120° | 3.5" @ 120° | 3" @ 120° |
|------------------------|------------|----------|------------|----------|-------------|-----------|-------------|-----------|
| DSX SPA | Y | Y | Y | N | - | - | - | - |
| DSX RPA | Y | Y | N | N | Y | Y | Y | Y |
| DSX SPUMBA | Y | N | N | N | - | - | - | - |
| DSX RPUMBA | N | N | N | N | Y | Y | Y | N |

*3 fixtures @ 120 require round pole top/tenon.

Template #8

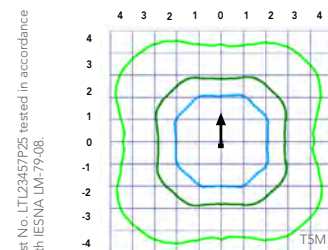
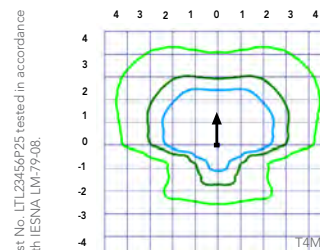
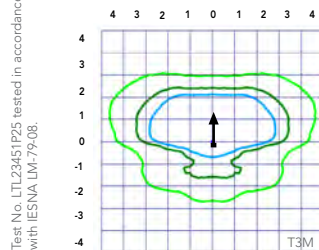
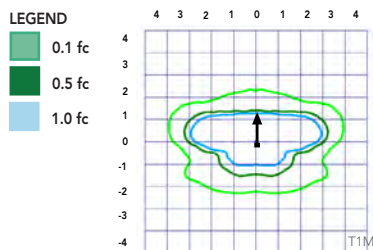
Top of Pole



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 0 homepage](#).

Isofootcandle plots for the DSX0 LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient | | Lumen Multiplier |
|-------------|-------------|------------------|
| 0°C | 32°F | 1.04 |
| 5°C | 41°F | 1.04 |
| 10°C | 50°F | 1.03 |
| 15°C | 59°F | 1.02 |
| 20°C | 68°F | 1.01 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 35°C | 95°F | 0.98 |
| 40°C | 104°F | 0.97 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours | 25000 | 50000 | 100000 |
|--------------------------|-------|-------|--------|
| Lumen Maintenance Factor | 0.96 | 0.92 | 0.85 |

Electrical Load

| | Performance Package | LED Count | Drive Current | Wattage | Current (A) | | | | | |
|--------------------------------------|---------------------|-----------|---------------|---------|-------------|------|------|------|------|------|
| | | | | | 120 | 208 | 240 | 277 | 347 | 480 |
| Forward Optics (Non-Rotated) | P1 | 20 | 530 | 38 | 0.32 | 0.18 | 0.15 | 0.15 | 0.10 | 0.08 |
| | P2 | 20 | 700 | 49 | 0.41 | 0.23 | 0.20 | 0.19 | 0.14 | 0.11 |
| | P3 | 20 | 1050 | 71 | 0.60 | 0.37 | 0.32 | 0.27 | 0.21 | 0.15 |
| | P4 | 20 | 1400 | 92 | 0.77 | 0.45 | 0.39 | 0.35 | 0.28 | 0.20 |
| | P5 | 40 | 700 | 89 | 0.74 | 0.43 | 0.38 | 0.34 | 0.26 | 0.20 |
| | P6 | 40 | 1050 | 134 | 1.13 | 0.65 | 0.55 | 0.48 | 0.39 | 0.29 |
| | P7 | 40 | 1300 | 166 | 1.38 | 0.80 | 0.69 | 0.60 | 0.50 | 0.37 |
| Rotated Optics (Requires L90 or R90) | P10 | 30 | 530 | 53 | 0.45 | 0.26 | 0.23 | 0.21 | 0.16 | 0.12 |
| | P11 | 30 | 700 | 72 | 0.60 | 0.35 | 0.30 | 0.27 | 0.20 | 0.16 |
| | P12 | 30 | 1050 | 104 | 0.88 | 0.50 | 0.44 | 0.39 | 0.31 | 0.23 |
| | P13 | 30 | 1300 | 128 | 1.08 | 0.62 | 0.54 | 0.48 | 0.37 | 0.27 |

Motion Sensor Default Settings

| Option | Dimmed State | High Level (when triggered) | Photocell Operation | Dwell Time | Ramp-up Time | Ramp-down Time |
|------------------------|-----------------|-----------------------------|---------------------|------------|--------------|----------------|
| PIR or PIRH | 3V (37%) Output | 10V (100%) Output | Enabled @ 5FC | 5 min | 3 sec | 5 min |
| *PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output | Enabled @ 1FC | 5 min | 3 sec | 5 min |

*for use with Inline Dusk to Dawn or timer.

PER Table

| Control | PER (3 wire) | PER5 (5 wire) | | PER7 (7 wire) | |
|-------------------------------------|--------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|
| | | Wire 4/Wire5 | Wire 4/Wire5 | Wire 4/Wire5 | Wire 6/Wire7 |
| Photocontrol Only (On/Off) | ✓ | Wired to dimming leads on driver | Wired to dimming leads on driver | Wired to dimming leads on driver | Wires Capped inside fixture |
| ROAM | ✗ | Wired to dimming leads on driver | Wired to dimming leads on driver | Wired to dimming leads on driver | Wires Capped inside fixture |
| ROAM with Motion (ROAM on/off only) | ✗ | Wires Capped inside fixture | Wires Capped inside fixture | Wires Capped inside fixture | Wires Capped inside fixture |
| Future-proof* | ✗ | Wired to dimming leads on driver | Wired to dimming leads on driver | Wired to dimming leads on driver | Wires Capped inside fixture |
| Future-proof* with Motion | ✗ | Wires Capped inside fixture | Wires Capped inside fixture | Wires Capped inside fixture | Wires Capped inside fixture |

| |
|-----------------|
| ✓ Recommended |
| ✗ Will not work |
| ⚠ Alternate |

*Future-proof means: Ability to change controls in the future.



Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Forward Optics | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|--------------|------------|-------------------------|----|-----|-----|-------|-------------------------|---|---|-----|--------|-------------------------|---|---|-----|--------|-------------------------------------|---|---|-----|-------|
| LED Count | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | | AMBPC (Amber Phosphor Converted) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 20 | 530 | P1 | 38W | T1S | 4,369 | 1 | 0 | 1 | 115 | 4,706 | 1 | 0 | 1 | 124 | 4,766 | 1 | 0 | 1 | 125 | 2,541 | 1 | 0 | 1 | 73 |
| | | | | T2S | 4,364 | 1 | 0 | 1 | 115 | 4,701 | 1 | 0 | 1 | 124 | 4,761 | 1 | 0 | 1 | 125 | 2,589 | 1 | 0 | 1 | 74 |
| | | | | T2M | 4,387 | 1 | 0 | 1 | 115 | 4,726 | 1 | 0 | 1 | 124 | 4,785 | 1 | 0 | 1 | 126 | 2,539 | 1 | 0 | 1 | 73 |
| | | | | T3S | 4,248 | 1 | 0 | 1 | 112 | 4,577 | 1 | 0 | 1 | 120 | 4,634 | 1 | 0 | 1 | 122 | 2,558 | 1 | 0 | 1 | 73 |
| | | | | T3M | 4,376 | 1 | 0 | 1 | 115 | 4,714 | 1 | 0 | 1 | 124 | 4,774 | 1 | 0 | 1 | 126 | 2,583 | 1 | 0 | 1 | 74 |
| | | | | T4M | 4,281 | 1 | 0 | 1 | 113 | 4,612 | 1 | 0 | 2 | 121 | 4,670 | 1 | 0 | 2 | 123 | 2,570 | 1 | 0 | 1 | 73 |
| | | | | TFTM | 4,373 | 1 | 0 | 1 | 115 | 4,711 | 1 | 0 | 2 | 124 | 4,771 | 1 | 0 | 2 | 126 | 2,540 | 1 | 0 | 1 | 73 |
| | | | | TSVS | 4,548 | 2 | 0 | 0 | 120 | 4,900 | 2 | 0 | 0 | 129 | 4,962 | 2 | 0 | 0 | 131 | 2,650 | 1 | 0 | 0 | 76 |
| | | | | TSS | 4,552 | 2 | 0 | 0 | 120 | 4,904 | 2 | 0 | 0 | 129 | 4,966 | 2 | 0 | 0 | 131 | 2,690 | 1 | 0 | 0 | 77 |
| | | | | TSM | 4,541 | 3 | 0 | 1 | 120 | 4,891 | 3 | 0 | 1 | 129 | 4,953 | 3 | 0 | 1 | 130 | 2,658 | 2 | 0 | 0 | 76 |
| | | | | TSW | 4,576 | 3 | 0 | 2 | 120 | 4,929 | 3 | 0 | 2 | 130 | 4,992 | 3 | 0 | 2 | 131 | 2,663 | 2 | 0 | 1 | 73 |
| | | | | BLC | 3,586 | 1 | 0 | 1 | 94 | 3,863 | 1 | 0 | 1 | 102 | 3,912 | 1 | 0 | 1 | 103 | | | | | |
| | | | | LCCO | 2,668 | 1 | 0 | 1 | 70 | 2,874 | 1 | 0 | 2 | 76 | 2,911 | 1 | 0 | 2 | 77 | | | | | |
| | | | | RCCO | 2,668 | 1 | 0 | 1 | 70 | 2,874 | 1 | 0 | 2 | 76 | 2,911 | 1 | 0 | 2 | 77 | | | | | |
| | | | | 20 | 700 | P2 | 49W | T1S | 5,570 | 1 | 0 | 1 | 114 | 6,001 | 1 | 0 | 1 | 122 | 6,077 | 2 | 0 | 2 | 124 | 3,144 |
| T2S | 5,564 | 1 | 0 | | | | | 2 | 114 | 5,994 | 1 | 0 | 2 | 122 | 6,070 | 2 | 0 | 2 | 124 | 3,203 | 1 | 0 | 1 | 71 |
| T2M | 5,593 | 1 | 0 | | | | | 1 | 114 | 6,025 | 1 | 0 | 1 | 123 | 6,102 | 1 | 0 | 1 | 125 | 3,141 | 1 | 0 | 1 | 70 |
| T3S | 5,417 | 1 | 0 | | | | | 2 | 111 | 5,835 | 1 | 0 | 2 | 119 | 5,909 | 2 | 0 | 2 | 121 | 3,165 | 1 | 0 | 1 | 70 |
| T3M | 5,580 | 1 | 0 | | | | | 2 | 114 | 6,011 | 1 | 0 | 2 | 123 | 6,087 | 1 | 0 | 2 | 124 | 3,196 | 1 | 0 | 1 | 71 |
| T4M | 5,458 | 1 | 0 | | | | | 2 | 111 | 5,880 | 1 | 0 | 2 | 120 | 5,955 | 1 | 0 | 2 | 122 | 3,179 | 1 | 0 | 1 | 71 |
| TFTM | 5,576 | 1 | 0 | | | | | 2 | 114 | 6,007 | 1 | 0 | 2 | 123 | 6,083 | 1 | 0 | 2 | 124 | 3,143 | 1 | 0 | 1 | 70 |
| TSVS | 5,799 | 2 | 0 | | | | | 0 | 118 | 6,247 | 2 | 0 | 0 | 127 | 6,327 | 2 | 0 | 0 | 129 | 3,278 | 2 | 0 | 0 | 73 |
| TSS | 5,804 | 2 | 0 | | | | | 0 | 118 | 6,252 | 2 | 0 | 0 | 128 | 6,332 | 2 | 0 | 1 | 129 | 3,328 | 2 | 0 | 0 | 74 |
| TSM | 5,789 | 3 | 0 | | | | | 1 | 118 | 6,237 | 3 | 0 | 1 | 127 | 6,316 | 3 | 0 | 1 | 129 | 3,288 | 2 | 0 | 1 | 73 |
| TSW | 5,834 | 3 | 0 | | | | | 2 | 119 | 6,285 | 3 | 0 | 2 | 128 | 6,364 | 3 | 0 | 2 | 130 | 3,295 | 2 | 0 | 1 | 73 |
| BLC | 4,572 | 1 | 0 | | | | | 1 | 93 | 4,925 | 1 | 0 | 1 | 101 | 4,987 | 1 | 0 | 1 | 102 | | | | | |
| LCCO | 3,402 | 1 | 0 | | | | | 2 | 69 | 3,665 | 1 | 0 | 2 | 75 | 3,711 | 1 | 0 | 2 | 76 | | | | | |
| RCCO | 3,402 | 1 | 0 | | | | | 2 | 69 | 3,665 | 1 | 0 | 2 | 75 | 3,711 | 1 | 0 | 2 | 76 | | | | | |
| 20 | 1050 | P3 | 71W | | | | | T1S | 7,833 | 2 | 0 | 2 | 110 | 8,438 | 2 | 0 | 2 | 119 | 8,545 | 2 | 0 | 2 | 120 | |
| | | | | T2S | 7,825 | 2 | 0 | 2 | 110 | 8,429 | 2 | 0 | 2 | 119 | 8,536 | 2 | 0 | 2 | 120 | | | | | |
| | | | | T2M | 7,865 | 2 | 0 | 2 | 111 | 8,473 | 2 | 0 | 2 | 119 | 8,580 | 2 | 0 | 2 | 121 | | | | | |
| | | | | T3S | 7,617 | 2 | 0 | 2 | 107 | 8,205 | 2 | 0 | 2 | 116 | 8,309 | 2 | 0 | 2 | 117 | | | | | |
| | | | | T3M | 7,846 | 2 | 0 | 2 | 111 | 8,452 | 2 | 0 | 2 | 119 | 8,559 | 2 | 0 | 2 | 121 | | | | | |
| | | | | T4M | 7,675 | 2 | 0 | 2 | 108 | 8,269 | 2 | 0 | 2 | 116 | 8,373 | 2 | 0 | 2 | 118 | | | | | |
| | | | | TFTM | 7,841 | 2 | 0 | 2 | 110 | 8,447 | 2 | 0 | 2 | 119 | 8,554 | 2 | 0 | 2 | 120 | | | | | |
| | | | | TSVS | 8,155 | 3 | 0 | 0 | 115 | 8,785 | 3 | 0 | 0 | 124 | 8,896 | 3 | 0 | 0 | 125 | | | | | |
| | | | | TSS | 8,162 | 3 | 0 | 1 | 115 | 8,792 | 3 | 0 | 1 | 124 | 8,904 | 3 | 0 | 1 | 125 | | | | | |
| | | | | TSM | 8,141 | 3 | 0 | 2 | 115 | 8,770 | 3 | 0 | 2 | 124 | 8,881 | 3 | 0 | 2 | 125 | | | | | |
| | | | | TSW | 8,204 | 3 | 0 | 2 | 116 | 8,838 | 4 | 0 | 2 | 124 | 8,950 | 4 | 0 | 2 | 126 | | | | | |
| | | | | BLC | 6,429 | 1 | 0 | 2 | 91 | 6,926 | 1 | 0 | 2 | 98 | 7,013 | 1 | 0 | 2 | 99 | | | | | |
| | | | | LCCO | 4,784 | 1 | 0 | 2 | 67 | 5,153 | 1 | 0 | 2 | 73 | 5,218 | 1 | 0 | 2 | 73 | | | | | |
| | | | | RCCO | 4,784 | 1 | 0 | 2 | 67 | 5,153 | 1 | 0 | 2 | 73 | 5,218 | 1 | 0 | 2 | 73 | | | | | |
| | | | | 20 | 1400 | P4 | 92W | T1S | 9,791 | 2 | 0 | 2 | 106 | 10,547 | 2 | 0 | 2 | 115 | 10,681 | 2 | 0 | 2 | 116 | |
| T2S | 9,780 | 2 | 0 | | | | | 2 | 106 | 10,536 | 2 | 0 | 2 | 115 | 10,669 | 2 | 0 | 2 | 116 | | | | | |
| T2M | 9,831 | 2 | 0 | | | | | 2 | 107 | 10,590 | 2 | 0 | 2 | 115 | 10,724 | 2 | 0 | 2 | 117 | | | | | |
| T3S | 9,521 | 2 | 0 | | | | | 2 | 103 | 10,256 | 2 | 0 | 2 | 111 | 10,386 | 2 | 0 | 2 | 113 | | | | | |
| T3M | 9,807 | 2 | 0 | | | | | 2 | 107 | 10,565 | 2 | 0 | 2 | 115 | 10,698 | 2 | 0 | 2 | 116 | | | | | |
| T4M | 9,594 | 2 | 0 | | | | | 2 | 104 | 10,335 | 2 | 0 | 3 | 112 | 10,466 | 2 | 0 | 3 | 114 | | | | | |
| TFTM | 9,801 | 2 | 0 | | | | | 2 | 107 | 10,558 | 2 | 0 | 2 | 115 | 10,692 | 2 | 0 | 2 | 116 | | | | | |
| TSVS | 10,193 | 3 | 0 | | | | | 1 | 111 | 10,981 | 3 | 0 | 1 | 119 | 11,120 | 3 | 0 | 1 | 121 | | | | | |
| TSS | 10,201 | 3 | 0 | | | | | 1 | 111 | 10,990 | 3 | 0 | 1 | 119 | 11,129 | 3 | 0 | 1 | 121 | | | | | |
| TSM | 10,176 | 4 | 0 | | | | | 2 | 111 | 10,962 | 4 | 0 | 2 | 119 | 11,101 | 4 | 0 | 2 | 121 | | | | | |
| TSW | 10,254 | 4 | 0 | | | | | 3 | 111 | 11,047 | 4 | 0 | 3 | 120 | 11,186 | 4 | 0 | 3 | 122 | | | | | |
| BLC | 8,036 | 1 | 0 | | | | | 2 | 87 | 8,656 | 1 | 0 | 2 | 94 | 8,766 | 1 | 0 | 2 | 95 | | | | | |
| LCCO | 5,979 | 1 | 0 | | | | | 2 | 65 | 6,441 | 1 | 0 | 2 | 70 | 6,523 | 1 | 0 | 3 | 71 | | | | | |
| | 5,979 | 1 | 0 | | | | | 2 | 65 | 6,441 | 1 | 0 | 2 | 70 | 6,523 | 1 | 0 | 3 | 71 | | | | | |

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Forward Optics | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|--------------|------------|-------------------------|--------|---|---|-----|-------------------------|--------|---|---|-----|-------------------------|---|---|---|-----|-------------------------------------|---|---|---|-----|
| LED Count | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | | AMBPC (Amber Phosphor Converted) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 40 | 700 | P5 | 89W | T1S | 10,831 | 2 | 0 | 2 | 122 | 11,668 | 2 | 0 | 2 | 131 | 11,816 | 2 | 0 | 2 | 133 | | | | | |
| | | | | T2S | 10,820 | 2 | 0 | 2 | 122 | 11,656 | 2 | 0 | 2 | 131 | 11,803 | 2 | 0 | 2 | 133 | | | | | |
| | | | | T2M | 10,876 | 2 | 0 | 2 | 122 | 11,716 | 2 | 0 | 2 | 132 | 11,864 | 2 | 0 | 2 | 133 | | | | | |
| | | | | T3S | 10,532 | 2 | 0 | 2 | 118 | 11,346 | 2 | 0 | 2 | 127 | 11,490 | 2 | 0 | 2 | 129 | | | | | |
| | | | | T3M | 10,849 | 2 | 0 | 2 | 122 | 11,687 | 2 | 0 | 2 | 131 | 11,835 | 2 | 0 | 2 | 133 | | | | | |
| | | | | T4M | 10,613 | 2 | 0 | 3 | 119 | 11,434 | 2 | 0 | 3 | 128 | 11,578 | 2 | 0 | 3 | 130 | | | | | |
| | | | | TFTM | 10,842 | 2 | 0 | 2 | 122 | 11,680 | 2 | 0 | 2 | 131 | 11,828 | 2 | 0 | 2 | 133 | | | | | |
| | | | | TSVS | 11,276 | 3 | 0 | 1 | 127 | 12,148 | 3 | 0 | 1 | 136 | 12,302 | 3 | 0 | 1 | 138 | | | | | |
| | | | | TSS | 11,286 | 3 | 0 | 1 | 127 | 12,158 | 3 | 0 | 1 | 137 | 12,312 | 3 | 0 | 1 | 138 | | | | | |
| | | | | TSM | 11,257 | 4 | 0 | 2 | 126 | 12,127 | 4 | 0 | 2 | 136 | 12,280 | 4 | 0 | 2 | 138 | | | | | |
| | | | | TSW | 11,344 | 4 | 0 | 3 | 127 | 12,221 | 4 | 0 | 3 | 137 | 12,375 | 4 | 0 | 3 | 139 | | | | | |
| | | | | BLC | 8,890 | 1 | 0 | 2 | 100 | 9,576 | 1 | 0 | 2 | 108 | 9,698 | 1 | 0 | 2 | 109 | | | | | |
| | | | | LCCO | 6,615 | 1 | 0 | 3 | 74 | 7,126 | 1 | 0 | 3 | 80 | 7,216 | 1 | 0 | 3 | 81 | | | | | |
| RCCO | 6,615 | 1 | 0 | 3 | 74 | 7,126 | 1 | 0 | 3 | 80 | 7,216 | 1 | 0 | 3 | 81 | | | | | | | | | |
| 40 | 1050 | P6 | 134W | T1S | 14,805 | 3 | 0 | 3 | 110 | 15,949 | 3 | 0 | 3 | 119 | 16,151 | 3 | 0 | 3 | 121 | 6,206 | 2 | 0 | 2 | 68 |
| | | | | T2S | 14,789 | 3 | 0 | 3 | 110 | 15,932 | 3 | 0 | 3 | 119 | 16,134 | 3 | 0 | 3 | 120 | 6,322 | 2 | 0 | 2 | 69 |
| | | | | T2M | 14,865 | 3 | 0 | 3 | 111 | 16,014 | 3 | 0 | 3 | 120 | 16,217 | 3 | 0 | 3 | 121 | 6,201 | 2 | 0 | 2 | 68 |
| | | | | T3S | 14,396 | 3 | 0 | 3 | 107 | 15,509 | 3 | 0 | 3 | 116 | 15,705 | 3 | 0 | 3 | 117 | 6,247 | 1 | 0 | 2 | 69 |
| | | | | T3M | 14,829 | 2 | 0 | 3 | 111 | 15,975 | 3 | 0 | 3 | 119 | 16,177 | 3 | 0 | 3 | 121 | 6,308 | 2 | 0 | 2 | 69 |
| | | | | T4M | 14,507 | 2 | 0 | 3 | 108 | 15,628 | 3 | 0 | 3 | 117 | 15,826 | 3 | 0 | 3 | 118 | 6,275 | 1 | 0 | 2 | 69 |
| | | | | TFTM | 14,820 | 2 | 0 | 3 | 111 | 15,965 | 3 | 0 | 3 | 119 | 16,167 | 3 | 0 | 3 | 121 | 6,203 | 1 | 0 | 2 | 68 |
| | | | | TSVS | 15,413 | 4 | 0 | 1 | 115 | 16,604 | 4 | 0 | 1 | 124 | 16,815 | 4 | 0 | 1 | 125 | 6,671 | 2 | 0 | 0 | 73 |
| | | | | TSS | 15,426 | 3 | 0 | 1 | 115 | 16,618 | 4 | 0 | 1 | 124 | 16,828 | 4 | 0 | 1 | 126 | 6,569 | 2 | 0 | 0 | 72 |
| | | | | TSM | 15,387 | 4 | 0 | 2 | 115 | 16,576 | 4 | 0 | 2 | 124 | 16,786 | 4 | 0 | 2 | 125 | 6,491 | 3 | 0 | 1 | 71 |
| | | | | TSW | 15,506 | 4 | 0 | 3 | 116 | 16,704 | 4 | 0 | 3 | 125 | 16,915 | 4 | 0 | 3 | 126 | 6,504 | 3 | 0 | 2 | 71 |
| | | | | BLC | 12,151 | 1 | 0 | 2 | 91 | 13,090 | 1 | 0 | 2 | 98 | 13,255 | 1 | 0 | 2 | 99 | | | | | |
| | | | | LCCO | 9,041 | 1 | 0 | 3 | 67 | 9,740 | 1 | 0 | 3 | 73 | 9,863 | 1 | 0 | 3 | 74 | | | | | |
| RCCO | 9,041 | 1 | 0 | 3 | 67 | 9,740 | 1 | 0 | 3 | 73 | 9,863 | 1 | 0 | 3 | 74 | | | | | | | | | |
| 40 | 1300 | P7 | 166W | T1S | 17,023 | 3 | 0 | 3 | 103 | 18,338 | 3 | 0 | 3 | 110 | 18,570 | 3 | 0 | 3 | 112 | | | | | |
| | | | | T2S | 17,005 | 3 | 0 | 3 | 102 | 18,319 | 3 | 0 | 3 | 110 | 18,551 | 3 | 0 | 3 | 112 | | | | | |
| | | | | T2M | 17,092 | 3 | 0 | 3 | 103 | 18,413 | 3 | 0 | 3 | 111 | 18,646 | 3 | 0 | 3 | 112 | | | | | |
| | | | | T3S | 16,553 | 3 | 0 | 3 | 100 | 17,832 | 3 | 0 | 3 | 107 | 18,058 | 3 | 0 | 3 | 109 | | | | | |
| | | | | T3M | 17,051 | 3 | 0 | 3 | 103 | 18,369 | 3 | 0 | 3 | 111 | 18,601 | 3 | 0 | 3 | 112 | | | | | |
| | | | | T4M | 16,681 | 3 | 0 | 3 | 100 | 17,969 | 3 | 0 | 3 | 108 | 18,197 | 3 | 0 | 3 | 110 | | | | | |
| | | | | TFTM | 17,040 | 3 | 0 | 3 | 103 | 18,357 | 3 | 0 | 4 | 111 | 18,590 | 3 | 0 | 4 | 112 | | | | | |
| | | | | TSVS | 17,723 | 4 | 0 | 1 | 107 | 19,092 | 4 | 0 | 1 | 115 | 19,334 | 4 | 0 | 1 | 116 | | | | | |
| | | | | TSS | 17,737 | 4 | 0 | 2 | 107 | 19,108 | 4 | 0 | 2 | 115 | 19,349 | 4 | 0 | 2 | 117 | | | | | |
| | | | | TSM | 17,692 | 4 | 0 | 2 | 107 | 19,059 | 4 | 0 | 2 | 115 | 19,301 | 4 | 0 | 2 | 116 | | | | | |
| | | | | TSW | 17,829 | 5 | 0 | 3 | 107 | 19,207 | 5 | 0 | 3 | 116 | 19,450 | 5 | 0 | 3 | 117 | | | | | |
| | | | | BLC | 13,971 | 2 | 0 | 2 | 84 | 15,051 | 2 | 0 | 2 | 91 | 15,241 | 2 | 0 | 2 | 92 | | | | | |
| | | | | LCCO | 10,396 | 1 | 0 | 3 | 63 | 11,199 | 1 | 0 | 3 | 67 | 11,341 | 1 | 0 | 3 | 68 | | | | | |
| | 10,396 | 1 | 0 | 3 | 63 | 11,199 | 1 | 0 | 3 | 67 | 11,341 | 1 | 0 | 3 | 68 | | | | | | | | | |

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

| Rotated Optics | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---------------|---------------|--------------|------------|-------------------------|---|---|---|-----|-------------------------|---|---|---|-----|-------------------------|---|---|---|-----|-------------------------------------|---|---|---|-----|
| LED Count | Drive Current | Power Package | System Watts | Dist. Type | 30K (3000 K, 70 CRI) | | | | | 40K (4000 K, 70 CRI) | | | | | 50K (5000 K, 70 CRI) | | | | | AMBPC (Amber Phosphor Converted) | | | | |
| | | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 30 | 530 | P10 | 53W | T1S | 6,727 | 2 | 0 | 2 | 127 | 7,247 | 3 | 0 | 3 | 137 | 7,339 | 3 | 0 | 3 | 138 | | | | | |
| | | | | T2S | 6,689 | 3 | 0 | 3 | 126 | 7,205 | 3 | 0 | 3 | 136 | 7,297 | 3 | 0 | 3 | 138 | | | | | |
| | | | | T2M | 6,809 | 3 | 0 | 3 | 128 | 7,336 | 3 | 0 | 3 | 138 | 7,428 | 3 | 0 | 3 | 140 | | | | | |
| | | | | T3S | 6,585 | 3 | 0 | 3 | 124 | 7,094 | 3 | 0 | 3 | 134 | 7,183 | 3 | 0 | 3 | 136 | | | | | |
| | | | | T3M | 6,805 | 3 | 0 | 3 | 128 | 7,331 | 3 | 0 | 3 | 138 | 7,424 | 3 | 0 | 3 | 140 | | | | | |
| | | | | T4M | 6,677 | 3 | 0 | 3 | 126 | 7,193 | 3 | 0 | 3 | 136 | 7,284 | 3 | 0 | 3 | 137 | | | | | |
| | | | | TFTM | 6,850 | 3 | 0 | 3 | 129 | 7,379 | 3 | 0 | 3 | 139 | 7,472 | 3 | 0 | 3 | 141 | | | | | |
| | | | | TSVS | 6,898 | 3 | 0 | 0 | 130 | 7,431 | 3 | 0 | 0 | 140 | 7,525 | 3 | 0 | 0 | 142 | | | | | |
| | | | | T5S | 6,840 | 2 | 0 | 1 | 129 | 7,368 | 2 | 0 | 1 | 139 | 7,461 | 2 | 0 | 1 | 141 | | | | | |
| | | | | T5M | 6,838 | 3 | 0 | 1 | 129 | 7,366 | 3 | 0 | 2 | 139 | 7,460 | 3 | 0 | 2 | 141 | | | | | |
| | | | | TSW | 6,777 | 3 | 0 | 2 | 128 | 7,300 | 3 | 0 | 2 | 138 | 7,393 | 3 | 0 | 2 | 139 | | | | | |
| | | | | BLC | 5,626 | 2 | 0 | 2 | 106 | 6,060 | 2 | 0 | 2 | 114 | 6,137 | 2 | 0 | 2 | 116 | | | | | |
| | | | | LCCO | 4,018 | 1 | 0 | 2 | 76 | 4,328 | 1 | 0 | 2 | 82 | 4,383 | 1 | 0 | 2 | 83 | | | | | |
| | | | | RCCO | 4,013 | 3 | 0 | 3 | 76 | 4,323 | 3 | 0 | 3 | 82 | 4,377 | 3 | 0 | 3 | 83 | | | | | |
| 30 | 700 | P11 | 72W | T1S | 8,594 | 3 | 0 | 3 | 119 | 9,258 | 3 | 0 | 3 | 129 | 9,376 | 3 | 0 | 3 | 130 | | | | | |
| | | | | T2S | 8,545 | 3 | 0 | 3 | 119 | 9,205 | 3 | 0 | 3 | 128 | 9,322 | 3 | 0 | 3 | 129 | | | | | |
| | | | | T2M | 8,699 | 3 | 0 | 3 | 121 | 9,371 | 3 | 0 | 3 | 130 | 9,490 | 3 | 0 | 3 | 132 | | | | | |
| | | | | T3S | 8,412 | 3 | 0 | 3 | 117 | 9,062 | 3 | 0 | 3 | 126 | 9,177 | 3 | 0 | 3 | 127 | | | | | |
| | | | | T3M | 8,694 | 3 | 0 | 3 | 121 | 9,366 | 3 | 0 | 3 | 130 | 9,484 | 3 | 0 | 3 | 132 | | | | | |
| | | | | T4M | 8,530 | 3 | 0 | 3 | 118 | 9,189 | 3 | 0 | 3 | 128 | 9,305 | 3 | 0 | 3 | 129 | | | | | |
| | | | | TFTM | 8,750 | 3 | 0 | 3 | 122 | 9,427 | 3 | 0 | 3 | 131 | 9,546 | 3 | 0 | 3 | 133 | | | | | |
| | | | | TSVS | 8,812 | 3 | 0 | 0 | 122 | 9,493 | 3 | 0 | 0 | 132 | 9,613 | 3 | 0 | 0 | 134 | | | | | |
| | | | | T5S | 8,738 | 3 | 0 | 1 | 121 | 9,413 | 3 | 0 | 1 | 131 | 9,532 | 3 | 0 | 1 | 132 | | | | | |
| | | | | T5M | 8,736 | 3 | 0 | 2 | 121 | 9,411 | 3 | 0 | 2 | 131 | 9,530 | 3 | 0 | 2 | 132 | | | | | |
| | | | | TSW | 8,657 | 4 | 0 | 2 | 120 | 9,326 | 4 | 0 | 2 | 130 | 9,444 | 4 | 0 | 2 | 131 | | | | | |
| | | | | BLC | 7,187 | 3 | 0 | 3 | 100 | 7,742 | 3 | 0 | 3 | 108 | 7,840 | 3 | 0 | 3 | 109 | | | | | |
| | | | | LCCO | 5,133 | 1 | 0 | 2 | 71 | 5,529 | 1 | 0 | 2 | 77 | 5,599 | 1 | 0 | 2 | 78 | | | | | |
| | | | | RCCO | 5,126 | 3 | 0 | 3 | 71 | 5,522 | 3 | 0 | 3 | 77 | 5,592 | 3 | 0 | 3 | 78 | | | | | |
| 30 | 1050 | P12 | 104W | T1S | 12,149 | 3 | 0 | 3 | 117 | 13,088 | 3 | 0 | 3 | 126 | 13,253 | 3 | 0 | 3 | 127 | | | | | |
| | | | | T2S | 12,079 | 4 | 0 | 4 | 116 | 13,012 | 4 | 0 | 4 | 125 | 13,177 | 4 | 0 | 4 | 127 | | | | | |
| | | | | T2M | 12,297 | 3 | 0 | 3 | 118 | 13,247 | 3 | 0 | 3 | 127 | 13,415 | 3 | 0 | 3 | 129 | | | | | |
| | | | | T3S | 11,891 | 4 | 0 | 4 | 114 | 12,810 | 4 | 0 | 4 | 123 | 12,972 | 4 | 0 | 4 | 125 | | | | | |
| | | | | T3M | 12,290 | 3 | 0 | 3 | 118 | 13,239 | 4 | 0 | 4 | 127 | 13,407 | 4 | 0 | 4 | 129 | | | | | |
| | | | | T4M | 12,058 | 4 | 0 | 4 | 116 | 12,990 | 4 | 0 | 4 | 125 | 13,154 | 4 | 0 | 4 | 126 | | | | | |
| | | | | TFTM | 12,369 | 4 | 0 | 4 | 119 | 13,325 | 4 | 0 | 4 | 128 | 13,494 | 4 | 0 | 4 | 130 | | | | | |
| | | | | TSVS | 12,456 | 3 | 0 | 1 | 120 | 13,419 | 3 | 0 | 1 | 129 | 13,589 | 4 | 0 | 1 | 131 | | | | | |
| | | | | T5S | 12,351 | 3 | 0 | 1 | 119 | 13,306 | 3 | 0 | 1 | 128 | 13,474 | 3 | 0 | 1 | 130 | | | | | |
| | | | | T5M | 12,349 | 4 | 0 | 2 | 119 | 13,303 | 4 | 0 | 2 | 128 | 13,471 | 4 | 0 | 2 | 130 | | | | | |
| | | | | TSW | 12,238 | 4 | 0 | 3 | 118 | 13,183 | 4 | 0 | 3 | 127 | 13,350 | 4 | 0 | 3 | 128 | | | | | |
| | | | | BLC | 10,159 | 3 | 0 | 3 | 98 | 10,944 | 3 | 0 | 3 | 105 | 11,083 | 3 | 0 | 3 | 107 | | | | | |
| | | | | LCCO | 7,256 | 1 | 0 | 3 | 70 | 7,816 | 1 | 0 | 3 | 75 | 7,915 | 1 | 0 | 3 | 76 | | | | | |
| | | | | RCCO | 7,246 | 3 | 0 | 3 | 70 | 7,806 | 4 | 0 | 4 | 75 | 7,905 | 4 | 0 | 4 | 76 | | | | | |
| 30 | 1300 | P13 | 128W | T1S | 14,438 | 3 | 0 | 3 | 113 | 15,554 | 3 | 0 | 3 | 122 | 15,751 | 3 | 0 | 3 | 123 | | | | | |
| | | | | T2S | 14,355 | 4 | 0 | 4 | 112 | 15,465 | 4 | 0 | 4 | 121 | 15,660 | 4 | 0 | 4 | 122 | | | | | |
| | | | | T2M | 14,614 | 3 | 0 | 3 | 114 | 15,744 | 4 | 0 | 4 | 123 | 15,943 | 4 | 0 | 4 | 125 | | | | | |
| | | | | T3S | 14,132 | 4 | 0 | 4 | 110 | 15,224 | 4 | 0 | 4 | 119 | 15,417 | 4 | 0 | 4 | 120 | | | | | |
| | | | | T3M | 14,606 | 4 | 0 | 4 | 114 | 15,735 | 4 | 0 | 4 | 123 | 15,934 | 4 | 0 | 4 | 124 | | | | | |
| | | | | T4M | 14,330 | 4 | 0 | 4 | 112 | 15,438 | 4 | 0 | 4 | 121 | 15,633 | 4 | 0 | 4 | 122 | | | | | |
| | | | | TFTM | 14,701 | 4 | 0 | 4 | 115 | 15,836 | 4 | 0 | 4 | 124 | 16,037 | 4 | 0 | 4 | 125 | | | | | |
| | | | | TSVS | 14,804 | 4 | 0 | 1 | 116 | 15,948 | 4 | 0 | 1 | 125 | 16,150 | 4 | 0 | 1 | 126 | | | | | |
| | | | | T5S | 14,679 | 3 | 0 | 1 | 115 | 15,814 | 3 | 0 | 1 | 124 | 16,014 | 3 | 0 | 1 | 125 | | | | | |
| | | | | T5M | 14,676 | 4 | 0 | 2 | 115 | 15,810 | 4 | 0 | 2 | 124 | 16,010 | 4 | 0 | 2 | 125 | | | | | |
| | | | | TSW | 14,544 | 4 | 0 | 3 | 114 | 15,668 | 4 | 0 | 3 | 122 | 15,866 | 4 | 0 | 3 | 124 | | | | | |
| | | | | BLC | 7919 | 3 | 0 | 3 | 62 | 8531 | 3 | 0 | 3 | 67 | 8639 | 3 | 0 | 3 | 67 | | | | | |
| | | | | LCCO | 5145 | 1 | 0 | 2 | 40 | 5543 | 1 | 0 | 2 | 43 | 5613 | 1 | 0 | 2 | 44 | | | | | |
| | | | | | 5139 | 3 | 0 | 3 | 40 | 5536 | 3 | 0 | 3 | 43 | 5606 | 3 | 0 | 3 | 44 | | | | | |

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and pedestrian areas.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.95 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.





WST LED

Architectural Wall Sconce



Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

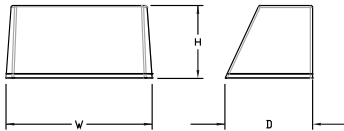
Luminaire

Height: 8-1/2"
(21.59 cm)

Width: 17"
(43.18 cm)

Depth: 10-3/16"
(25.9 cm)

Weight: 20 lbs
(9.1 kg)

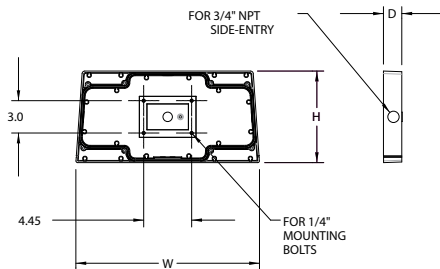


Optional Back Box (PBBW)

Height: 8.49"
(21.56 cm)

Width: 17.01"
(43.21 cm)

Depth: 1.70"
(4.32 cm)

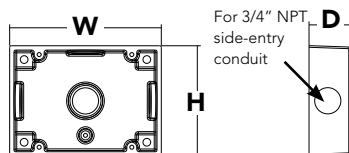


Optional Back Box (BBW)

Height: 4"
(10.2 cm)

Width: 5-1/2"
(14.0 cm)

Depth: 1-1/2"
(3.8 cm)



A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background¹

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)



Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

| WST LED | | | | | | |
|---------|------------------------|-------------------|---------------------------------|--------------------|------------------|---|
| Series | Performance Package | Color temperature | Distribution | Voltage | | Mounting |
| WST LED | P1 1,500 Lumen package | 27K 2700 K | VF Visual comfort forward throw | MVOLT ¹ | 277 ² | Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ³ PBBW Premium surface-mounted back box ^{3,4} |
| | P2 3,000 Lumen package | 30K 3000 K | VW Visual comfort wide | 120 ² | 347 ² | |
| | P3 6,000 Lumen package | 40K 4000 K | | 208 ² | 480 ² | |
| | | 50K 5000 K | | 240 ² | | |

| Options | | | | Finish (required) | |
|-----------|---|---------------------------|---|-------------------|---------------------------|
| PE | Photoelectric cell, button type ⁵ | | | DDBXD | Dark bronze |
| PER | NEMA twist-lock receptacle only (controls ordered separate) ⁶ | | | DBLXD | Black |
| PER5 | Five-wire receptacle only (controls ordered separate) ⁶ | | | DNAXD | Natural aluminum |
| PER7 | Seven-wire receptacle only (controls ordered separate) ⁶ | | | DWHXD | White |
| PIR | Motion/Ambient Light Sensor, 8-15' mounting height ^{7,8} | | | DSSXD | Sandstone |
| PIR1FC3V | Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{7,8} | | | DDBTXD | Textured dark bronze |
| PIRH | 180° motion/ambient light sensor, 15-30' mounting height ^{7,8} | | | DBLXD | Textured black |
| PIRH1FC3V | Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{7,8} | | | DNATXD | Textured natural aluminum |
| SF | Single fuse (120, 277, 347V) ² | | | DWHGXD | Textured white |
| DF | Double fuse (208, 240, 480V) ² | | | DSSTD | Textured sandstone |
| DS | Dual switching ⁹ | | | | |
| E7WH | Emergency battery backup, Non CEC compliant (7W) ¹⁰ | | | | |
| | | E7WC | Emergency battery backup, Non CEC compliant (cold, 7W) ^{10,11} | | |
| | | E7WHR | Remote emergency battery backup, Non CEC compliant (remote 7W) ^{10,12} | | |
| | | E20WH | Emergency battery pack 18W constant power, CEC compliant ¹⁰ | | |
| | | E20WC | Emergency battery pack -20°C 18W constant power, CEC compliant ^{10,11} | | |
| | | E23WHR | Remote emergency battery backup, Non CEC compliant (remote 20W) ^{10,11,13} | | |
| | | LCE | Left side conduit entry ¹⁴ | | |
| | | RCE | Right side conduit entry ¹⁴ | | |
| | | Shipped separately | | | |
| | | RBPW | Retrofit back plate ³ | | |
| | | VG | Vandal guard ¹⁵ | | |
| | | WG | Wire guard ¹⁵ | | |

Accessories

Ordered and shipped separately.

| | |
|-------------------|------------------------------------|
| WSTVCPBBW DDBXD U | Premium Surface - mounted back box |
| WSBBW DDBTX U | Surface - mounted back box |
| RBPW DDBXD U | Retrofit back plate |

NOTES

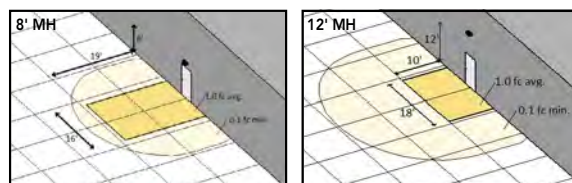
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Not available with VG or WG. See PER Table.

- Reference Motion Sensor table.
- Not available with Emergency options, PE or PER options.
- Not available with 347/480V.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.

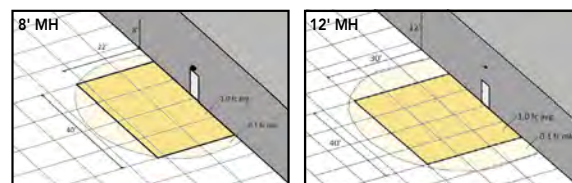
Emergency Battery Operation

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of [NFPA 70/NEC 2008 - 700.16](#). The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions. The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

| Ambient | | Lumen Multiplier |
|-------------|-------------|------------------|
| 0°C | 32°F | 1.03 |
| 10°C | 50°F | 1.02 |
| 20°C | 68°F | 1.01 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 0.99 |
| 40°C | 104°F | 0.98 |

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | >0.95 | >0.92 | >0.87 |

Electrical Load

| Performance package | System Watts | Current (A) | | | | | |
|---------------------|--------------|-------------|------|------|------|------|------|
| | | 120 | 208 | 240 | 277 | 347 | 480 |
| P1 | 11 | 0.1 | 0.06 | 0.05 | 0.04 | --- | --- |
| | 14 | --- | --- | --- | --- | 0.04 | 0.03 |
| P1 DS | 14 | 0.12 | 0.07 | 0.06 | 0.06 | --- | --- |
| P2 | 25 | 0.21 | 0.13 | 0.11 | 0.1 | --- | --- |
| | 30 | --- | --- | --- | --- | 0.09 | 0.06 |
| P2 DS | 25 | 0.21 | 0.13 | 0.11 | 0.1 | --- | --- |
| P3 | 50 | 0.42 | 0.24 | 0.21 | 0.19 | --- | --- |
| | 56 | --- | --- | --- | --- | 0.16 | 0.12 |
| P3 DS | 52 | 0.43 | 0.26 | 0.23 | 0.21 | --- | --- |

Motion Sensor Default Settings

| Option | Dimmed State | High Level (when triggered) | Photocell Operation | Ramp-up Time | Dwell Time | Ramp-down Time |
|-----------------------|-----------------|-----------------------------|---------------------|--------------|------------|----------------|
| *PIR or PIRH | 3V (37%) Output | 10V (100%) Output | Enabled @ 5FC | 3 sec | 5 min | 5 min |
| PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output | Enabled @ 1FC | 3 sec | 5 min | 5 min |

*for use with centralize Dusk to Dawn

PER Table

| Control | PER (3 wire) | PER5 (5 wire) | | PER7 (7 wire) | | |
|----------------------------|--------------|---------------|----------------------------------|---------------|----------------------------------|-----------------------------|
| | | | Wire 4/Wire5 | | Wire 4/Wire5 | Wire 6/Wire7 |
| Photocontrol Only (On/Off) | ✓ | ⚠ | Wired to dimming leads on driver | ⚠ | Wired to dimming leads on driver | Wires Capped inside fixture |
| ROAM | ✗ | ✓ | Wired to dimming leads on driver | ⚠ | Wired to dimming leads on driver | Wires Capped inside fixture |
| ROAM with Motion | ✗ | ⚠ | Wired to dimming leads on driver | ⚠ | Wired to dimming leads on driver | Wires Capped inside fixture |
| Futureproof* | ✗ | ⚠ | Wired to dimming leads on driver | ✓ | Wired to dimming leads on driver | Wires Capped inside fixture |
| Futureproof* with Motion | ✗ | ⚠ | Wired to dimming leads on driver | ✓ | Wired to dimming leads on driver | Wires Capped inside fixture |

✓ Recommended

✗ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts.

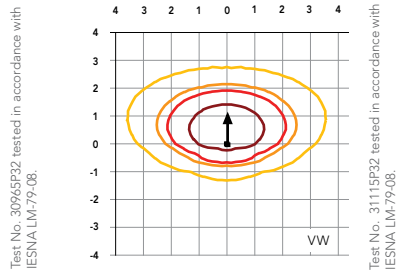
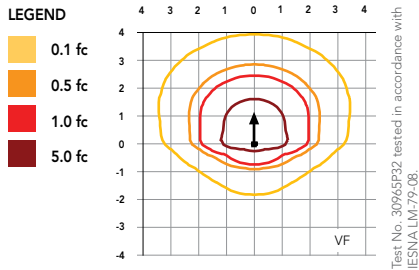
| Performance Package | System Watts (MVOLT ¹) | Dist. Type | 27K (2700K, 70 CRI) | | | | | 30K (3000K, 70 CRI) | | | | | 40K (4000K, 70 CRI) | | | | | 50K (5000K, 70 CRI) | | | | |
|---------------------|------------------------------------|------------|---------------------|---|---|---|-----|---------------------|---|---|---|-----|---------------------|---|---|---|-----|---------------------|---|---|---|-----|
| | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| P1 | 12W | VF | 1,494 | 0 | 0 | 0 | 125 | 1,529 | 0 | 0 | 0 | 127 | 1,639 | 0 | 0 | 0 | 137 | 1,639 | 0 | 0 | 0 | 137 |
| | | VW | 1,513 | 0 | 0 | 0 | 126 | 1,548 | 0 | 0 | 0 | 129 | 1,659 | 0 | 0 | 0 | 138 | 1,660 | 0 | 0 | 0 | 138 |
| P2 | 25W | VF | 3,163 | 1 | 0 | 1 | 127 | 3,237 | 1 | 0 | 1 | 129 | 3,469 | 1 | 0 | 1 | 139 | 3,468 | 1 | 0 | 1 | 139 |
| | | VW | 3,201 | 1 | 0 | 0 | 128 | 3,276 | 1 | 0 | 0 | 131 | 3,512 | 1 | 0 | 0 | 140 | 3,512 | 1 | 0 | 0 | 140 |
| P3 | 50W | VF | 6,025 | 1 | 0 | 1 | 121 | 6,165 | 1 | 0 | 1 | 123 | 6,609 | 1 | 0 | 1 | 132 | 6,607 | 1 | 0 | 1 | 132 |
| | | VW | 6,098 | 1 | 0 | 1 | 122 | 6,240 | 1 | 0 | 1 | 125 | 6,689 | 1 | 0 | 1 | 134 | 6,691 | 1 | 0 | 1 | 134 |



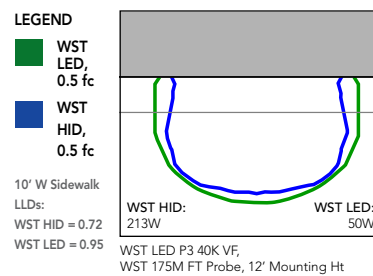
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [WST LED homepage](#).

Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



Corner of Schroeder Court & Schroeder Rd



Schroeder Court



Context Photos
5614 Schroeder Rd.,
Madison, WI



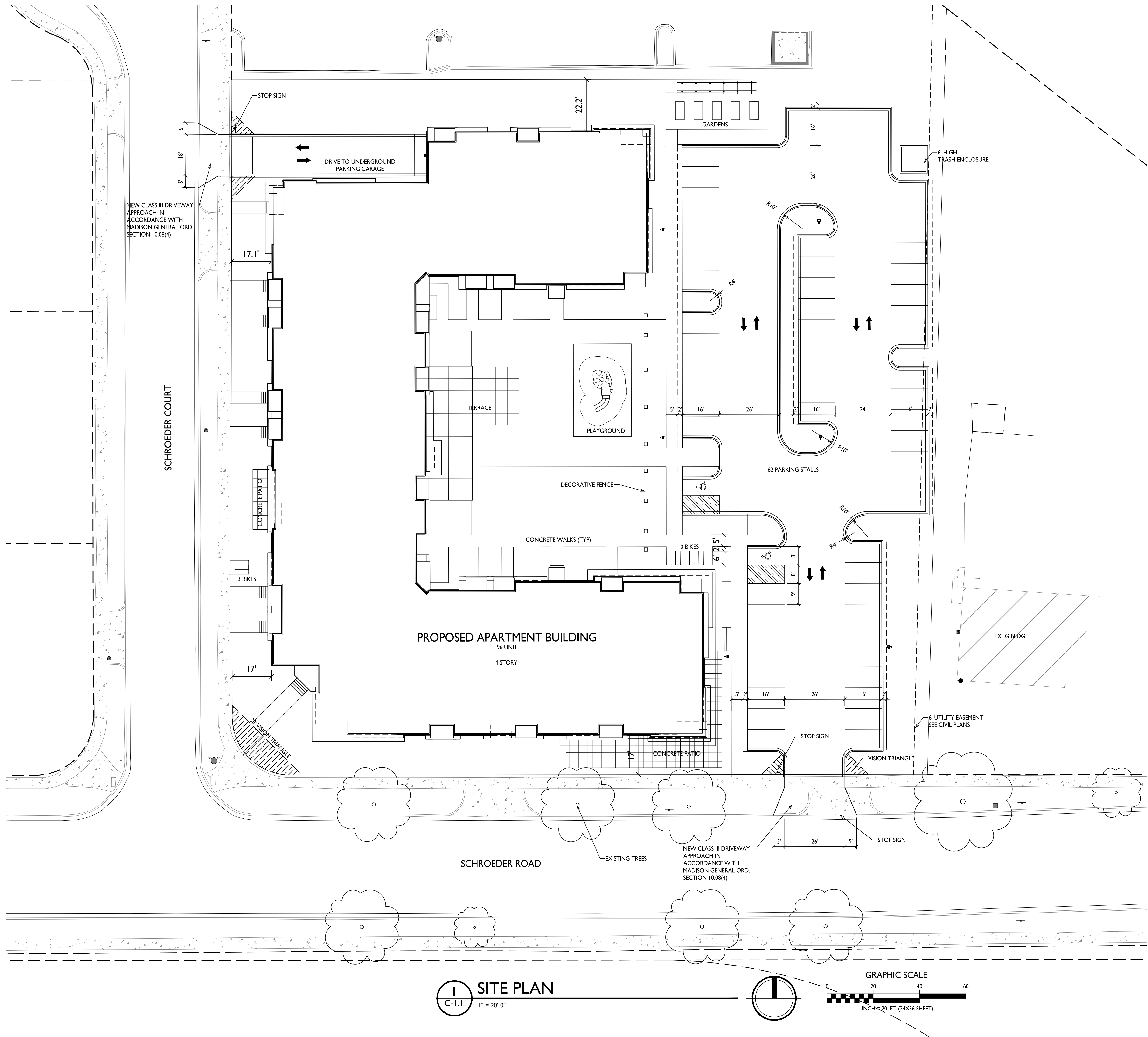


Existing building to be demolished



Building to east of site along Schroeder Rd.

Context Photos
5614 Schroeder Rd.,
Madison, WI





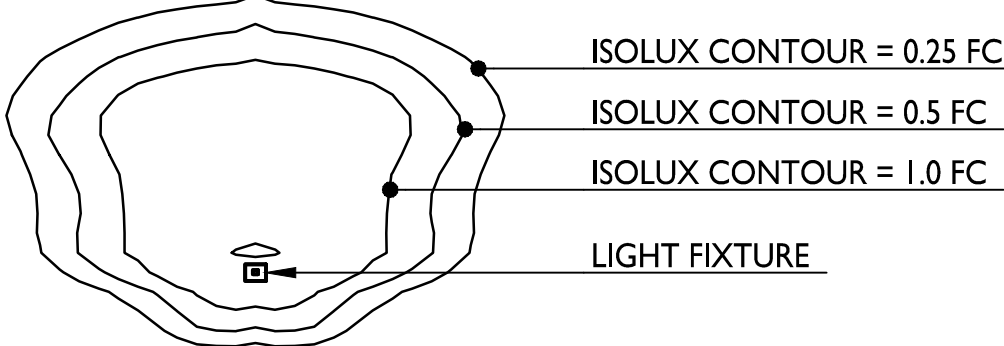


| SHEET INDEX | |
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| C-1.2 | SITE LIGHTING PLAN |
| C-1.3 | FIRE DEPARTMENT ACCESS PLAN |
| C-1.4 | LOT COVERAGE |
| C-1.5 | USABLE OPEN SPACE |
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| L-1.1 | LANDSCAPE PLAN |
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| A-1.0 | BASEMENT PLAN |
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| A-2.6 | ELEVATIONS - RENDERED |
| | |
| A-5.1 | TYPICAL UNIT PLANS |

| SITE DEVELOPMENT DATA: | |
|---------------------------|-----------------------------|
| DENSITIES: | |
| LOT AREA | 91,053 SF / 2.09 ACRES |
| DWELLING UNITS | 96 DU |
| LOT AREA / D.U. | 948 SF / UNIT |
| DENSITY | 45.9 UNITS/ACRE |
| | |
| USABLE OPEN SPACE | 36,003 S.F. |
| LOT COVERAGE | 59,592 S.F. = 65% |
| | |
| COMMERCIAL AREA | |
| BUILDING | ~ 4,032 SF |
| PATIO | ~ 1,117 SF |
| TOTAL | ~ 5,149 SF |
| | |
| RESIDENTIAL AREA | 109,425 SF |
| | |
| BUILDING HEIGHT | 4 STORIES |
| | |
| DWELLING UNIT MIX: | |
| ONE BEDROOM | 44 |
| ONE BEDROOM + DEN | 1 |
| TWO BEDROOM | 36 |
| THREE BEDROOM | 1 |
| THREE BEDROOM T.H. | 14 |
| TOTAL DWELLING UNITS | 96 |
| | |
| VEHICLE PARKING: | |
| UNDERGROUND/ COVERED | 82 STALLS |
| SURFACE | 62 STALLS |
| TOTAL | 144 STALLS |
| | |
| BICYCLE PARKING: | |
| UNDERGROUND GARAGE - WALL | 24 STALLS (COVERED) |
| UNDERGROUND/STD. 2'X6' | 75 STALLS (COVERED)/SURFACE |
| SURFACE RESIDENTIAL | 5 STALLS |
| SURFACE GUEST | 10 STALLS (10% OF UNITS) |
| SURFACE COMMERCIAL | 2 STALLS |
| TOTAL | 116 STALLS |

- GENERAL NOTES:**
- THE APPLICANT SHALL REPLACE ALL SIDEWALK AND CURB AND GUTTER WHICH ABUTS THE PROPERTY WHICH IS DAMAGED BY THE CONSTRUCTION OR ANY SIDEWALK AND CURB AND GUTTER WHICH THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
 - ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED BY A CITY LICENSED CONTRACTOR.
 - ALL DAMAGE TO THE PAVEMENT , ADJACENT TO THIS DEVELOPMENT SHALL BE RESTORED IN ACCORDANCE WITH THE CITY OF MADISON'S PAVEMENT PATCHING CRITERIA.
 - APPROVAL OF PLANS FOR THIS PROJECT DOES NOT INCLUDE ANY APPROVAL TO PRUNE, REMOVE, OR PLANT TREES IN THE PUBLIC RIGHT-OF-WAY. PERMISSION FOR SUCH ACTIVITIES MUST BE OBTAINED FROM THE CITY FORESTER, 266-4816.
 - EASEMENT LINES SHOWN ON THIS SHEET ARE FOR GENERAL REFERENCE ONLY - SEE CSM AND CIVIL SHEETS FOR ADDITIONAL AND MORE COMPLETE EASEMENT INFORMATION
 - CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF THE TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72-HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY. TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
 - THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.

| STATISTICS | | | | | | |
|-------------------------------|--------|--------|--------|--------|-------------|-------------|
| DESCRIPTION | SYMBOL | AVG. | MAX. | MIN. | MAX. / MIN. | AVG. / MIN. |
| Parking Area Lighting | + | 0.7 fc | 1.9 fc | 0.2 fc | 9.5:1 | 3.5:1 |
| Parking Garage Entry Lighting | + | 2.2 fc | 9.6 fc | 0.2 fc | 48.0:1 | 11.0:1 |

| LUMINAIRE SCHEDULE | | | | | | |
|---|-------|------|-------------------|------------------------------|--|----------------------------------|
| SYMBOL | LABEL | QTY. | MANUF. | CATALOG | DESCRIPTION | FILE |
|  | A | 3 | LITHONIA LIGHTING | DSX0 LED P1 40K T4M MVOLT HS | DSX0 LED P1 40K T4M MVOLT WITH HOUSE SIDE SHIELD | DSX0_LED_P1_40K_T4M_MVOLT_HS.ies |
|  | B | 1 | LITHONIA LIGHTING | DSX0 LED P1 40K T4M MVOLT HS | DSX0 LED P1 40K T4M MVOLT WITH HOUSE SIDE SHIELD | DSX0_LED_P1_40K_T4M_MVOLT_HS.ies |
|  | C | 2 | LITHONIA LIGHTING | DSX0 LED P1 40K T5W MVOLT | DSX0 LED P1 40K T5W MVOLT | DSX0_LED_P1_40K_T5W_MVOLT.ies |
|  | D | 1 | LITHONIA LIGHTING | WST LED P1 27K VF MVOLT | WST LED, PERFORMANCE PACKAGE I, 2700K, VISUAL COMFORT FORWARD THROW, MVOLT | WST_LED_P1_27K_VF_MVOLT_HS.ies |
| <div>EXAMPLE LIGHT FIXTURE DISTRIBUTION</div> <div></div> <div>ISOLUX CONTOUR = 0.25 FC</div> <div>ISOLUX CONTOUR = 0.5 FC</div> <div>ISOLUX CONTOUR = 1.0 FC</div> <div>LIGHT FIXTURE</div> | | | | | | |

SCHROEDER COURT

PROPOSED APARTMENT BUILDING

96 UNIT

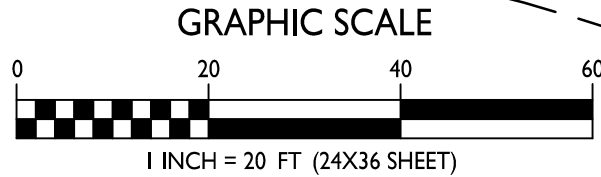
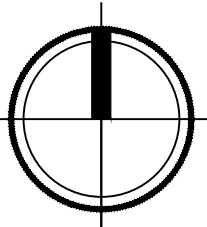
4 STORY

SCHROEDER ROAD

I
C-1.2

SITE LIGHTING PLAN

1" = 20'-0"



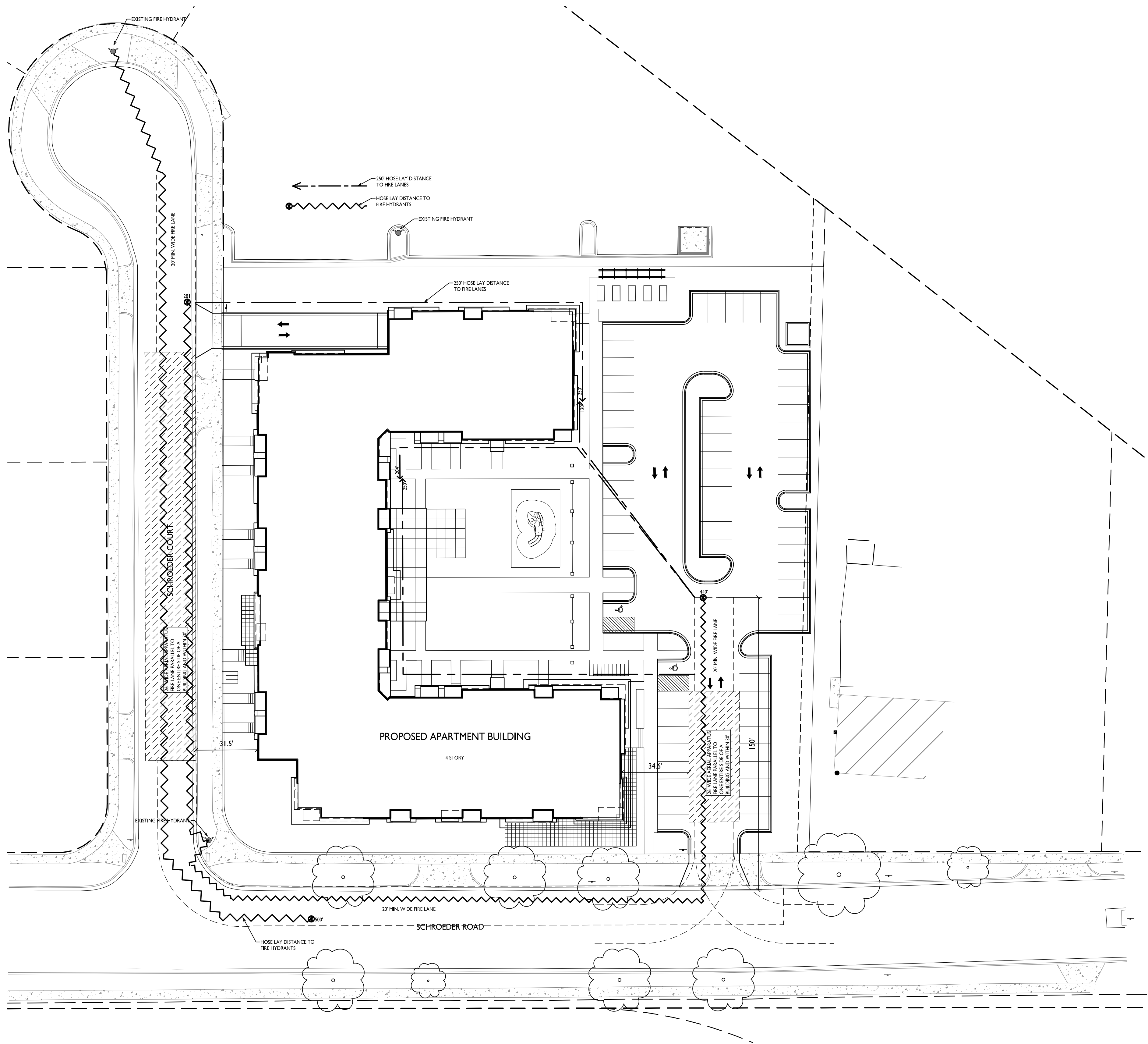
ISSUED
Issued for Land Use & UDC - October 12, 2018

PROJECT TITLE
**Mixed-Use
Development**

5614 Schroeder Rd.
Madison, WI
SHEET TITLE
**Fire Department
Access Plan**

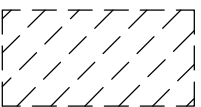
SHEET NUMBER

C-1.3
PROJECT NO. 1851
© Knothe & Bruce Architects, LLC

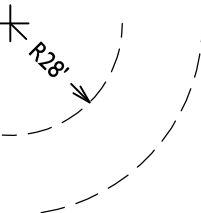


FIRE DEPARTMENT ACCESS PLAN

AERIAL APPARATUS FIRE
LANE MINIMUM 26' WIDE



MINIMUM 20' WIDE ACCESS
LANE W/ 28' INSIDE RADIUS



MAXIMUM 250' HOSE LAY
TO EXTERIOR WALL FROM
FIRE LANE

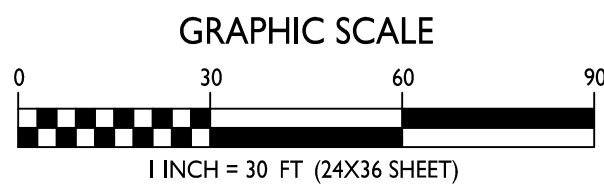
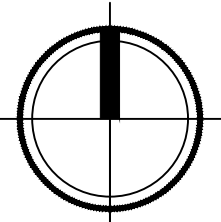


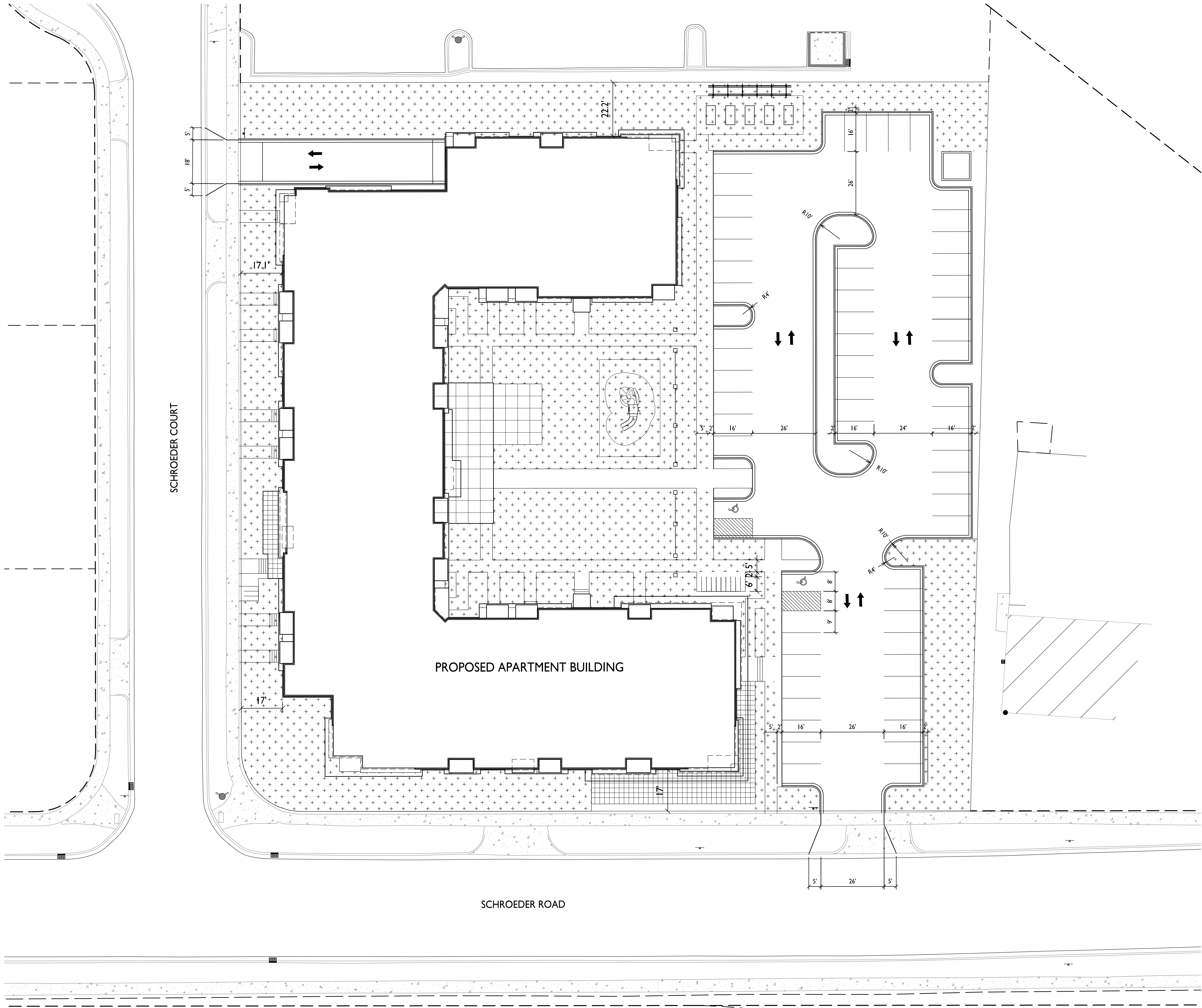
MAXIMUM 500' HOSE LAY
TO FIRE LANE FROM TWO
FIRE HYDRANTS



I
C-1.3
1" = 30'-0"

FIRE DEPARTMENT ACCESS PLAN





USABLE OPEN SPACE

ZONING: CCT

REQUIRED OPEN SPACE:
160 SF X 44 (1 BDRMS) + 320 SF X 52 (2+BDRMS) = 23,680 SF

OPEN SPACE PROVIDED:

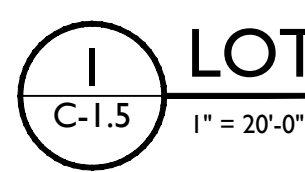
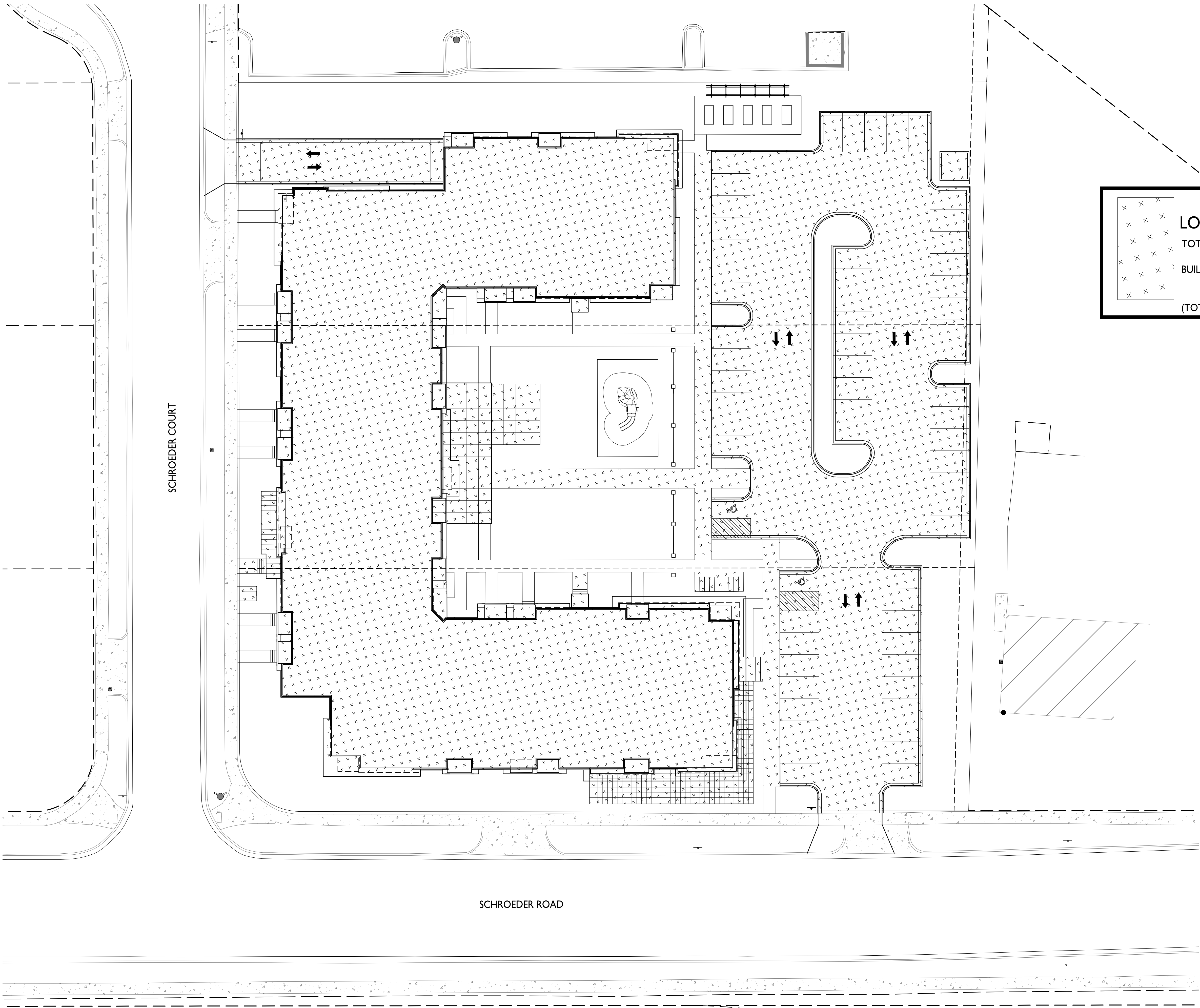
| | |
|---------------------------|--------------------|
| BALCONIES: 96 X 70 S.F. = | 6,720 S.F. |
| <u>SURFACE</u> | <u>29,283 S.F.</u> |
| TOTAL | 36,003 S.F. |

ISSUED
Issued for Land Use & UDC - October 12, 2018

PROJECT TITLE
**Mixed-Use
Development**

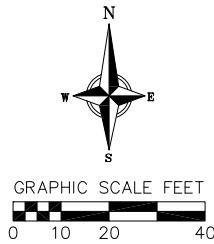
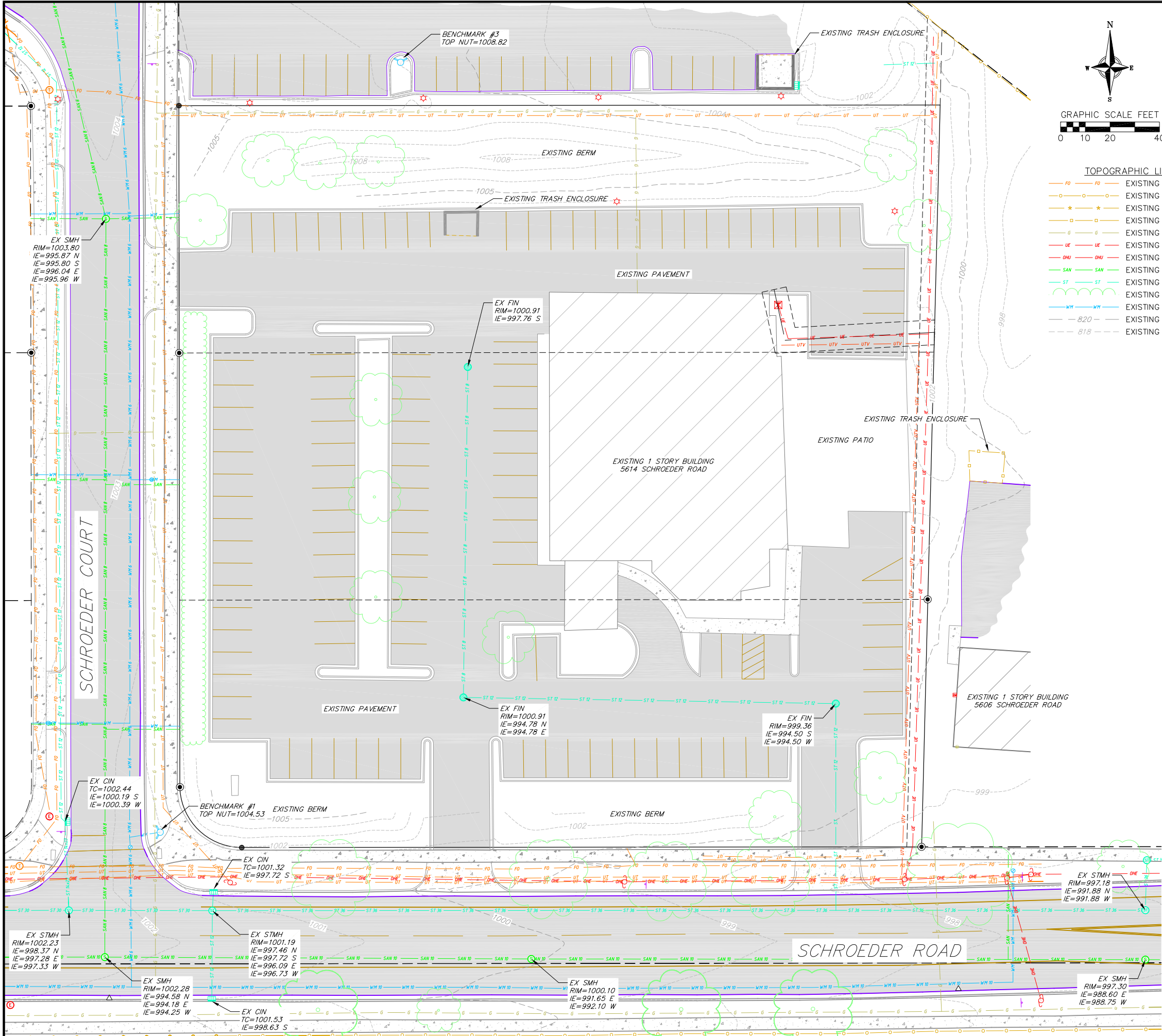
5614 Schroeder Rd.
Madison, WI
SHEET TITLE
**Usable Open
Space**

SHEET NUMBER



LOT COVERAGE

1" = 20'-0"



- TOPOGRAPHIC LINEWORK LEGEND**
- FO — FO — EXISTING FIBER OPTIC LINE
 - — — EXISTING CHAIN LINK FENCE
 - * — EXISTING GENERAL FENCE
 - □ — EXISTING WOOD FENCE
 - G — EXISTING GAS LINE
 - UE — EXISTING UNDERGROUND ELECTRIC LINE
 - OHU — EXISTING OVERHEAD GENERAL UTILITIES
 - SAN — EXISTING SANITARY SEWER LINE (SIZE NOTED)
 - ST — EXISTING STORM SEWER LINE (SIZE NOTED)
 - WM — EXISTING WATER MAIN (SIZE NOTED)
 - 820 — EXISTING MAJOR CONTOUR
 - 818 — EXISTING MINOR CONTOUR
- TOPOGRAPHIC SYMBOL LEGEND**
- EXISTING BOLLARD
 - EXISTING SIGN
 - EXISTING CURB INLET
 - EXISTING FIELD INLET
 - EXISTING STORM MANHOLE
 - EXISTING STORM MANHOLE RECTANGULAR
 - EXISTING SANITARY MANHOLE
 - EXISTING FIRE HYDRANT
 - EXISTING WATER MAIN VALVE
 - EXISTING GAS METER
 - ↑ EXISTING DOWN GUY
 - EXISTING ELECTRIC MANHOLE
 - EXISTING ELECTRIC PEDESTAL
 - EXISTING TRANSFORMER
 - EXISTING ELECTRIC METER
 - ☆ EXISTING LIGHT POLE
 - EXISTING UTILITY POLE
 - EXISTING TELEPHONE MANHOLE
 - EXISTING TELEPHONE PEDESTAL
 - EXISTING HANDICAP PARKING
 - EXISTING DECIDUOUS TREE



THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

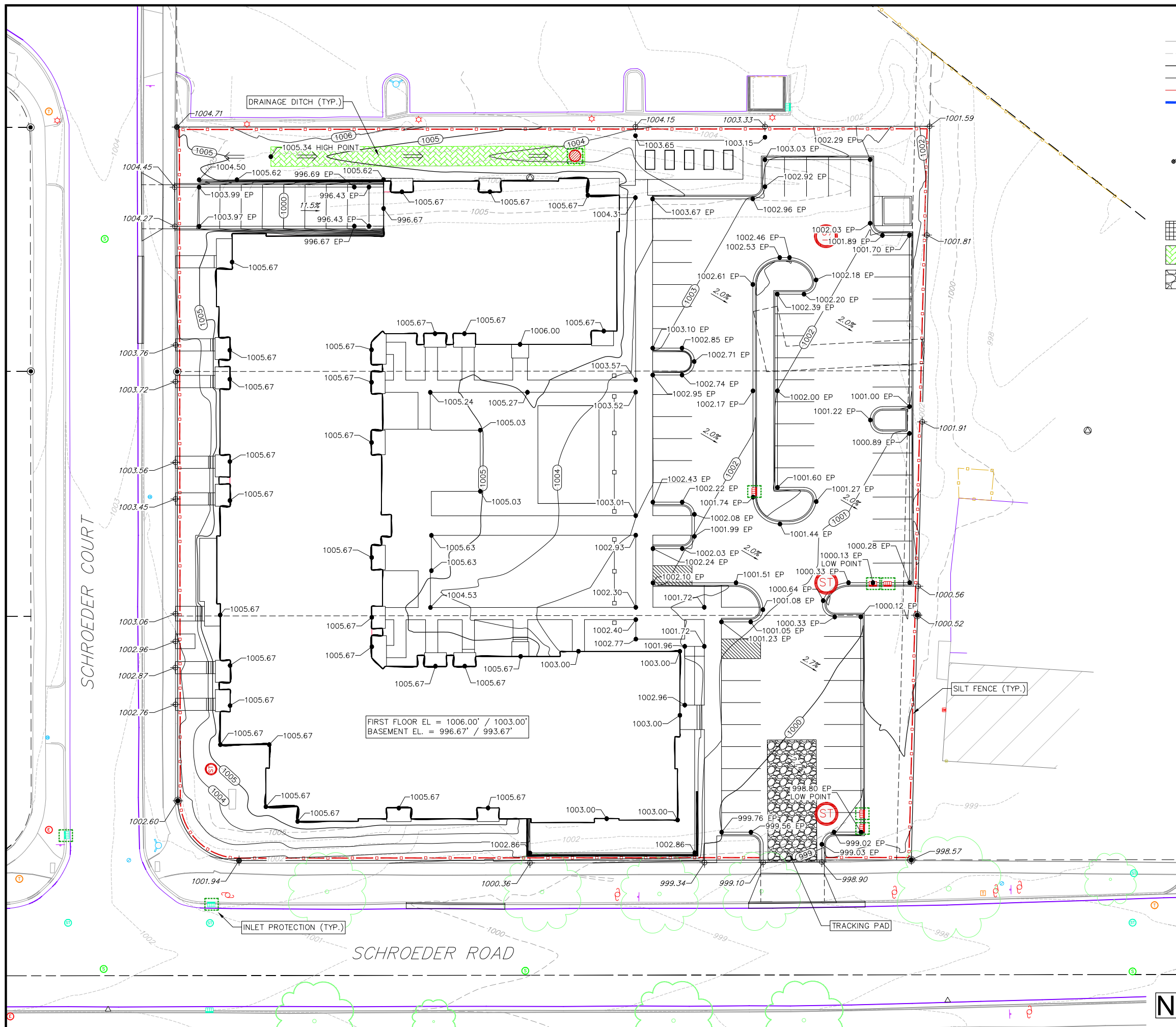
CALL DIGGER'S HOTLINE
1-800-242-8511

NOT FOR CONSTRUCTION



vierbicher
planners | engineers | advisors
Phone: (800) 261-3898

| | |
|--|----------|
| Existing Conditions | |
| 5614 Schroeder Road City of Madison Dane County, Wisconsin | |
| REVISIONS | NO. DATE |
| REVISIONS | NO. DATE |
| DATE | 10/17/18 |
| DRAFTER | AMEA |
| CHECKED | MMAR |
| PROJECT NO. | 180308 |
| C 2.1 | |

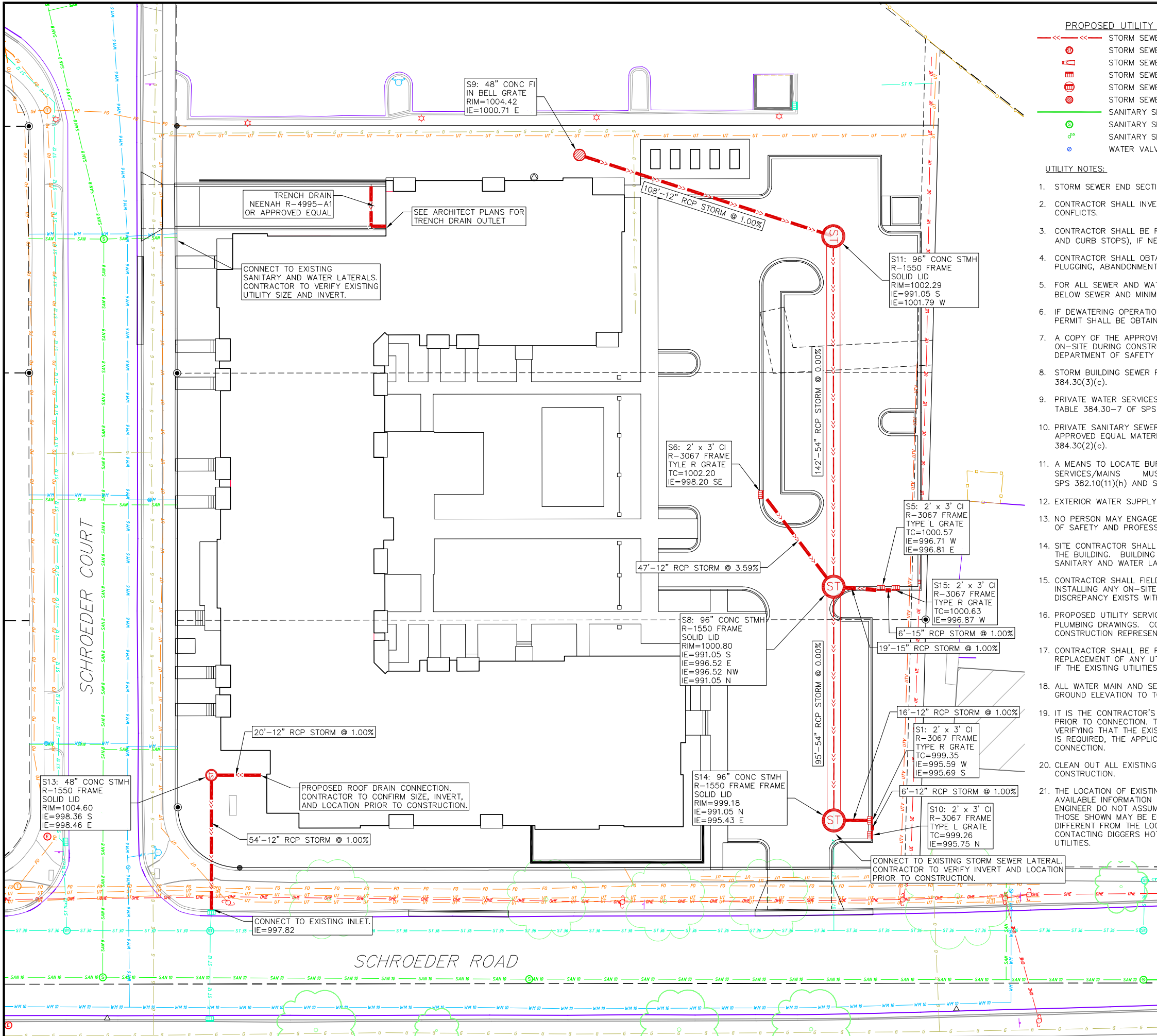


NOT FOR CONSTRUCTION

3.0

| REVISIONS | | REVISIONS | |
|-----------|------|-----------|----------|
| NO. | DATE | REMARKS | NO. DATE |
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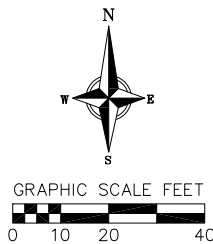
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| SCALE AS SHOWN |
| DATE 10/17/18 |
| DRAFTER BBAR |
| CHECKED RKOL |
| PROJECT NO. 180308 |



PROPOSED UTILITY LEGEND

- >--->---> STORM SEWER PIPE
- ⊙ STORM SEWER MANHOLE
- ⊙ STORM SEWER ENDWALL
- ⊙ STORM SEWER CURB INLET
- ⊙ STORM SEWER CURB INLET W/MANHOLE
- ⊙ STORM SEWER FIELD INLET
- SANITARY SEWER LATERAL PIPE
- ⊙ SANITARY SEWER MANHOLE
- ⊙ SANITARY SEWER CLEANOUT
- ⊙ WATER VALVE

| ABBREVIATIONS | |
|---------------|------------------|
| STMH | STORM MANHOLE |
| FI | FIELD INLET |
| CI | CURB INLET |
| CB | CATCH BASIN |
| EW | ENDWALL |
| SMH | SANITARY MANHOLE |



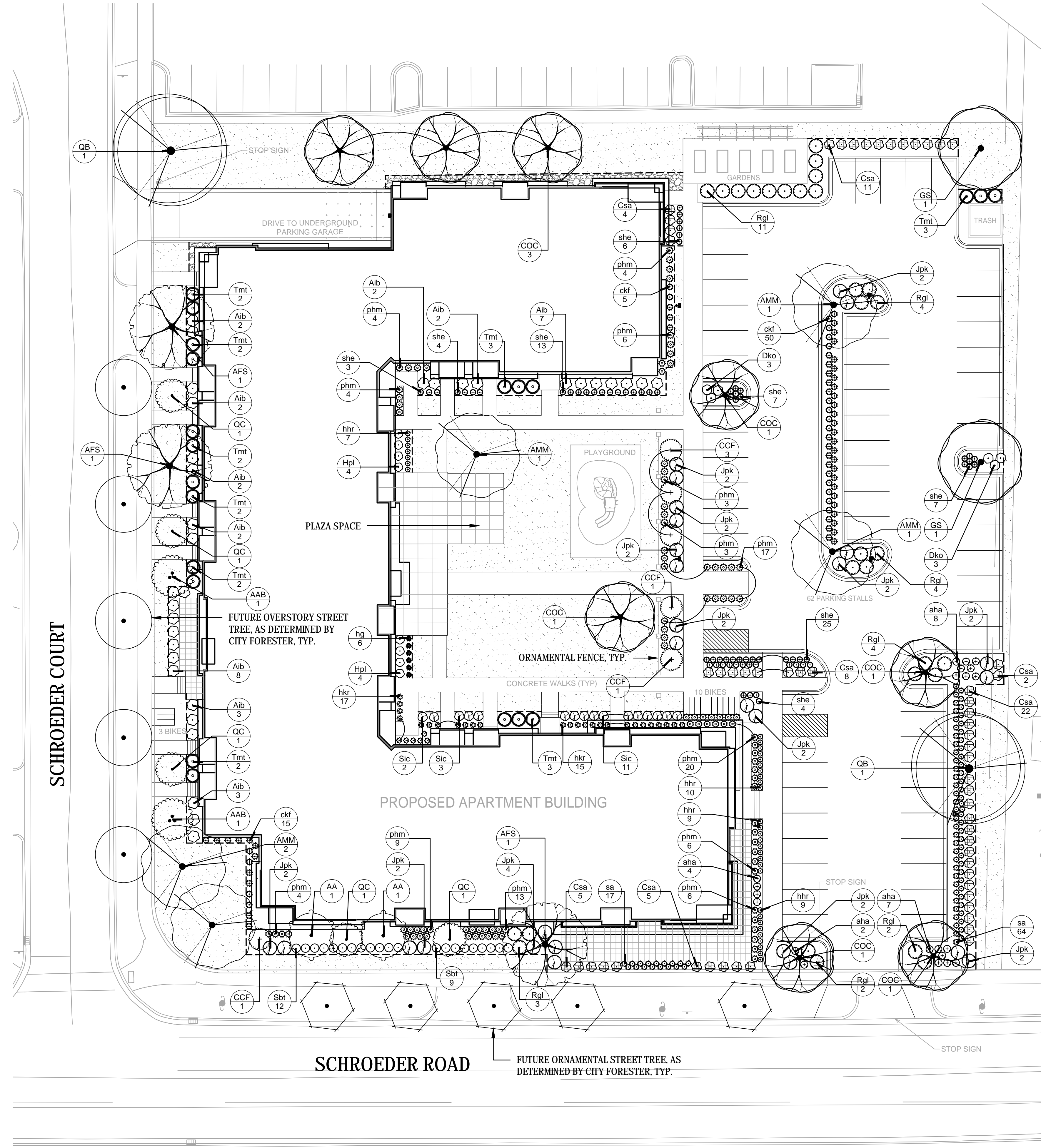
UTILITY NOTES:







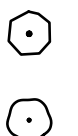
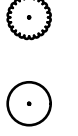
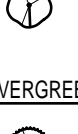




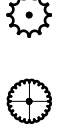
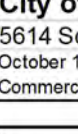
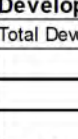
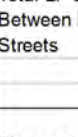
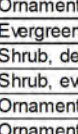


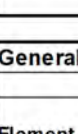
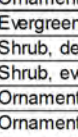


1. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
2. CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
4. CONTRACTOR SHALL OBTAIN ANY NECESSARY WORK IN RIGHT-OF WAY, EXCAVATION, UTILITY CONNECTION, PLUGGING, ABANDONMENT, AND DRIVEWAY CONNECTION PERMITS PRIOR TO CONSTRUCTION.
5. FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
6. IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
7. A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
8. STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
9. PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(d).
10. PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
11. A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(8)(k).
12. EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b.).
13. NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
14. SITE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
15. CONTRACTOR SHALL FIELD VERIFY THE SIZE, TYPE, LOCATION, AND ELEVATION OF EXISTING UTILITIES PRIOR TO INSTALLING ANY ON-SITE UTILITIES OR STRUCTURES. CONTACT ENGINEER PRIOR TO INSTALLATION IF DISCREPANCY EXISTS WITHIN THESE PLANS.
16. PROPOSED UTILITY SERVICE LINES SHOWN ARE APPROXIMATE. COORDINATE THE EXACT LOCATIONS WITH THE PLUMBING DRAWINGS. COORDINATE THE LOCATIONS WITH THE PLUMBING CONTRACTOR AND/OR OWNER'S CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION OF ANY NEW UTILITIES.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION OF ANY UTILITIES ENCOUNTERED AND REPLACEMENT OF ANY UTILITIES DAMAGED WITHIN INFLUENCE ZONE OF NEW CONSTRUCTION. CONTACT ENGINEER IF THE EXISTING UTILITIES VARY APPRECIABLY FROM THE PLANS.
18. ALL WATER MAIN AND SERVICES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 6.5' FROM TOP OF FINISHED GROUND ELEVATION TO TOP OF MAIN.
19. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
20. CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
21. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER AND THE ENGINEER DO NOT ASSUME RESPONSIBILITY IN THE EVENT THAT DURING CONSTRUCTION, UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED, AND THAT THE ACTUAL LOCATION OF THOSE WHICH ARE SHOWN MAY BE DIFFERENT FROM THE LOCATION AS SHOWN ON THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIGGERS HOTLINE AND LOCATING ALL EXISTING UTILITIES AND ENSURING PROPER CLEARANCE OF NEW UTILITIES.

| REVISIONS | | REVISIONS | |
|-----------|------|-----------|------|
| NO. | DATE | NO. | DATE |
| | | | |
| | | | |

| | |
|-------------|----------|
| SCALE | AS SHOWN |
| DATE | 10/17/18 |
| DRAFTER | BBAR |
| CHECKED | RKOL |
| PROJECT NO. | 180308 |

NOT FOR CONSTRUCTION



| PLANT SCHEDULE | | | | | | |
|---|------|--|-------|--------------------|--------------|-----|
| ORNAMENTAL TREES | CODE | BOTANICAL NAME / COMMON NAME | CONT | SIZE | HEIGHT | QTY |
|  | AA | Acer tataricum ginnala 'Flame' / Amur Maple 'Flame' | B & B | UPRIGHT MULTI-STEM | 6' HT (MIN.) | 2 |
|  | AAB | Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry | B & B | UPRIGHT MULTI-STEM | 6' HT (MIN.) | 2 |
|  | CCF | Carpinus caroliniana 'J.N. Upright' / Firespire Muscledwood | B & B | UPRIGHT MULTI-STEM | 6' HT (MIN.) | 6 |
| SHADE TREES | CODE | BOTANICAL NAME / COMMON NAME | CONT | SIZE | HEIGHT | QTY |
|  | AMM | Acer miyabei 'Morton' TM / State Street Miyabei Maple | B & B | 2.5' Cal | | 5 |
|  | AFS | Acer x freemanii 'Sienna' / Sienna Glen Maple | B & B | 2.5' Cal | | 3 |
|  | COC | Celtis occidentalis 'Chicagoland' / Common Hackberry | B & B | 2.5' Cal | | 8 |
|  | GS | Gleditsia triacanthos 'Skyline' / Skyline Honey Locust | B & B | 2.5' Cal | | 2 |
|  | QB | Quercus bicolor / Swamp White Oak | B & B | 2.5' Cal | | 2 |
|  | QC | Quercus robur 'Crimschmidt' TM / Crimson Spire English Oak | B & B | 2.5' Cal | | 5 |
| DECIDUOUS SHRUBS | CODE | BOTANICAL NAME / COMMON NAME | CONT | SIZE | NOTES | QTY |
|  | Aib | Aronia melanocarpa 'Morton' / Inquis Beauty Black Chokeberry | 3 gal | 24" HT (MIN.) | | 33 |
|  | Csa | Cornus stolonifera 'Arctic Fire' / Arctic Fire Dogwood | 3 gal | 18" HT (MIN.) | | 57 |
|  | Dko | Diervilla lonicera 'Kodak Orange' / Kodak Orange Dwarf Bush Honeysuckle | 2 gal | 18" HT (MIN.) | | 6 |
|  | Hpl | Hydrangea paniculata 'Little Lamb' / Little Lamb Hydrangea | 3 gal | 18" HT (MIN.) | | 8 |
|  | Rgl | Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac | 2 gal | 18" SP. (MIN.) | | 30 |
|  | Sbt | Spiraea betulifolia 'Tor' / Birchleaf Spirea | 2 gal | 18" HT (MIN.) | | 21 |
|  | Sic | Stephanandra incisa 'Crispa' / Cutleaf Stephanandra | 3 gal | 18" SP. (MIN.) | | 16 |
| EVERGREEN SHRUBS | CODE | BOTANICAL NAME / COMMON NAME | CONT | SIZE | NOTES | QTY |
|  | Jpk | Juniperus chinensis 'Pfitzeriana Kallay' / Kallays Compact Pfitzer Juniper | 3 gal | 24" HT (MIN.) | | 28 |
|  | Tmt | Taxus x media 'Taurtonii' / Tauton Yew | 3 gal | 24" HT (MIN.) | | 21 |
| HERBACEOUS PERENNIALS | CODE | BOTANICAL NAME / COMMON NAME | CONT | SIZE | NOTES | QTY |
|  | aha | Amsonia hubrichtii 'Halfway to Arkansas' / Arkansas Blue Star | 1 gal | | | 21 |
|  | hhr | Hemerocallis x 'Happy Returns' / Happy Returns Daylily | 1 gal | | | 35 |
|  | hg | Hosta x 'Guacamole' / Guacamole Hosta | 1 gal | | | 6 |
|  | hkr | Hosta x 'Krossa Regal' / Krossa Regal Hosta | 1 gal | | | 32 |
| ORNAMENTAL GRASSES | CODE | BOTANICAL NAME / COMMON NAME | CONT | SIZE | NOTES | QTY |
|  | ckf | Calamagrostis x acutiflora 'Karl Foerster' / Karl Foerster Feather Reed Grass | 1 gal | | | 70 |
|  | phm | Panicum virgatum 'Heavy Metal' / Heavy Metal Switch Grass | 1 gal | | | 99 |
| | sa | Sesleria autumnalis / Autumn Moor Grass | 1 gal | | | 81 |
| | she | Sporobolus heterolepis / Prairie Dropseed | 1 gal | | | 69 |

| City of Madison Landscape Worksheet | | | | |
|--|-------------|---|--------------------------|---------------------------|
| 5614 Schroeder Road October 17, 2018 Commercial Corridor - Transitional (CCT), Urban Design District 2 | | | | |
| Developed Lots | SF | Minimum Open Space Required (SF) | Landscape Units Required | Landscape Points Subtotal |
| Total Developed Area | 60,782 | n/a | 203 | 1013 |
| Landscape Points Required | | | | 1013 |
| Development Frontage | LF | Overstory Tree Req. (or x2 for Orn./Evrgm. Tree Sub.) | Shrubs Required | |
| Total LF of Street Frontage Between Bldg./Parking & Streets | 547 | 18 | 91 | |
| Element | Point Value | Quantity Proposed | Quantity Existing | Points Achieved |
| Overstory Deciduous Tree | 35 | 13 | | 455 |
| Ornamental Tree | 15 | 5 | | 75 |
| Evergreen Tree | 15 | 0 | | 0 |
| Shrub, deciduous | 2 | 65 | | 130 |
| Shrub, evergreen | 3 | 24 | | 72 |
| Ornamental Grass | 2 | 64 | | 128 |
| Ornamental/Decorative Fence or Wall (4 pts/10 LF) | 4 | 0 | | 0 |
| Development Frontage Points Total | | | | 860 |
| Interior Parking Lots | SF | Overstory Tree Req. (or x2 for Orn./Evrgm. Tree Sub.) | | |
| Total Parking Lot Area | 20,523 | | | |
| Min. Parking Lot Islands (5%) | 1,026 | 6 | | |
| Element | Point Value | Quantity Proposed | Quantity Existing | Points Achieved |
| Overstory Deciduous Tree | 35 | 7 | | 245 |
| Ornamental Tree | 15 | 0 | | 0 |
| Evergreen Tree | 15 | 0 | | 0 |
| Shrub, deciduous | 2 | 71 | | 142 |
| Shrub, evergreen | 3 | 11 | | 33 |
| Ornamental Grass | 2 | 182 | | 364 |
| Interior Parking Lots Points Total | | | | 784 |
| General Site, Foundation, Screening | | | | |
| Element | Point Value | Quantity Proposed | Quantity Existing | Points Achieved |
| Overstory Deciduous Tree | 35 | 5 | | 175 |
| Ornamental Tree | 15 | 5 | | 75 |
| Evergreen Tree | 15 | 0 | | 0 |
| Shrub, deciduous | 2 | 35 | | 70 |
| Shrub, evergreen | 3 | 14 | | 42 |
| Ornamental Grass | 2 | 73 | | 146 |
| Ornamental/Decorative Fence or Wall (4 pts/10 LF) | 4 | 100 | | 400 |
| General Site Plantings Total | | | | 908 |
| TOTAL LANDSCAPE POINTS | | | | 2163 |

NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SURVEY INFORMATION AND SITE CONDITIONS PRIOR TO START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES. CONTRACTOR SHALL CONTACT DIGGER'S HOTLINE TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES PRIOR TO START OF CONSTRUCTION. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL PROTECT BENCHMARKS.
- ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
- ALL LAWN AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RE-SEEDING AT NO COST TO OWNER.
- CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL.
- CONTRACTOR SHALL CONTACT CITY OF MADISON FORESTRY AT LEAST ONE WEEK PRIOR TO PLANTING TO SCHEDULE INSPECTING THE NURSERY STOCK, REVIEW PLANTING SPECIFICATIONS AND INDICATE PLANTING LOCATIONS WITH THE LANDSCAPE CONTRACTOR.
- ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST 72-HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY. TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN.
- ALL PLANT BEDS TO BE MULCHED WITH SHREDDED HARDWOOD BARK MULCH UNLESS OTHERWISE INDICATED.

LEGEND

- BLUEGRASS SEED
- STONE MULCH
- LANDSCAPE EDGING



knothe + bruce
ARCHITECTS

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1110 S. Park Street,
Madison, Wisconsin 53715
608-251-3600
www.ksd-la.com

ISSUED
Issued to Planning - Oct 17, 2018

PROJECT TITLE
5614 Schroeder Road
Madison, WI

SHEET TITLE
Planting and
Landscape
Restoration Plan

SHEET NUMBER

L-1.0

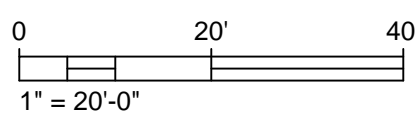
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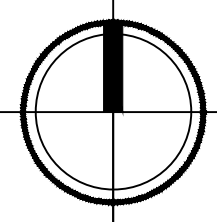
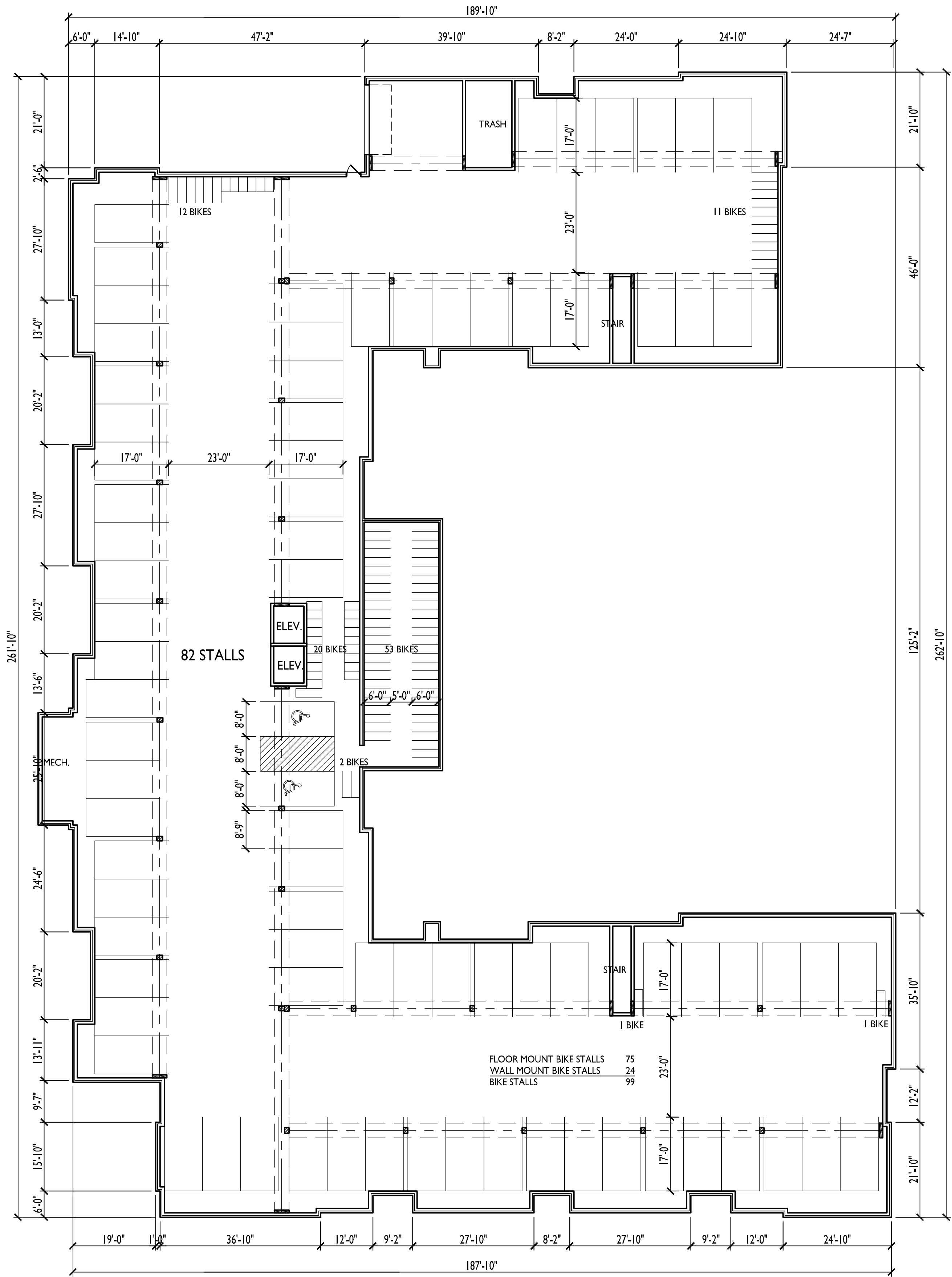
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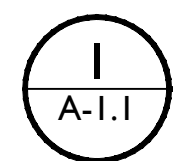
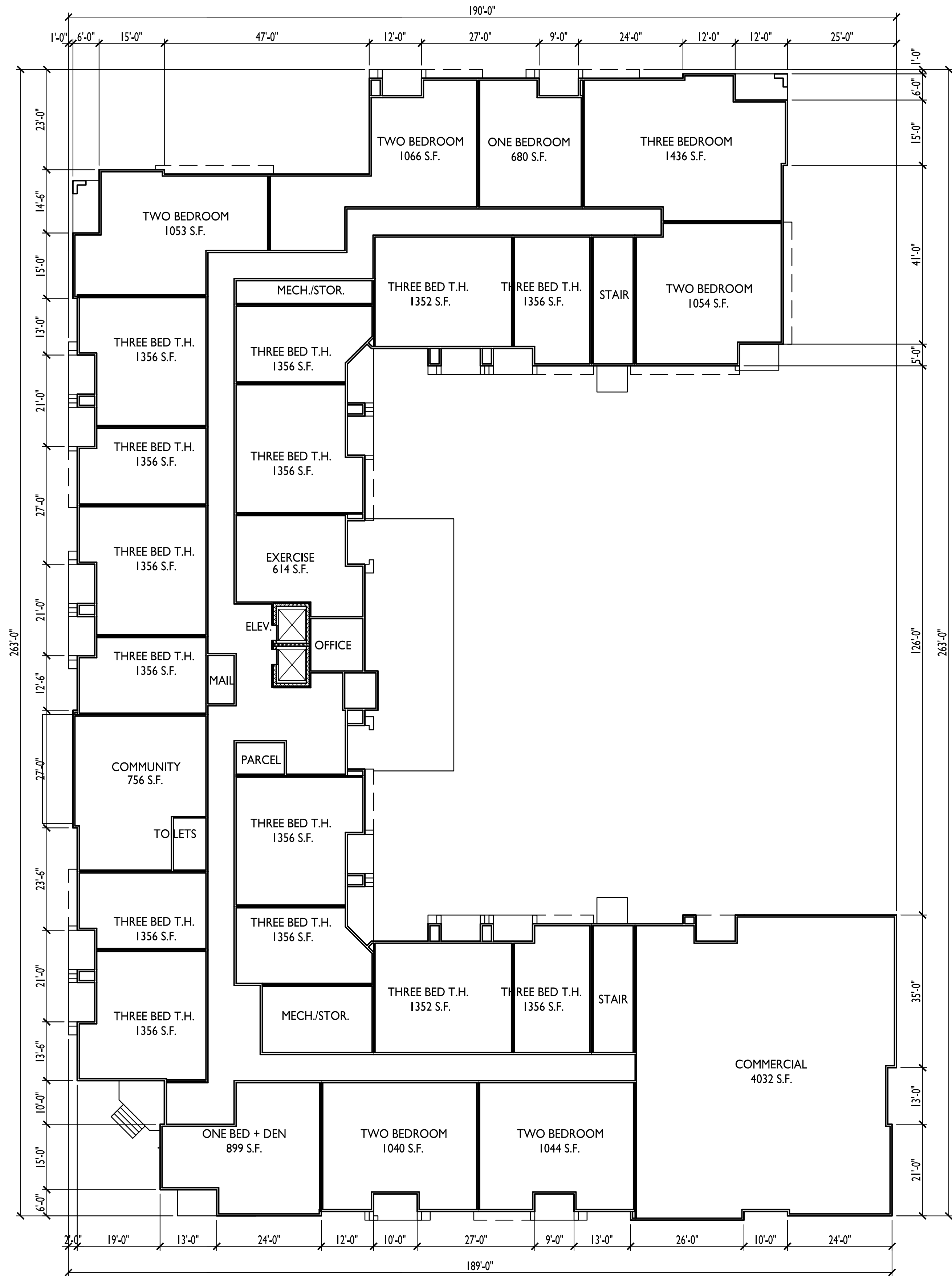
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PLANTING AND LANDSCAPE RESTORATION PLAN

SCALE: 1"=20'







FIRST FLOOR PLAN

1/16"=1'-0"

ISSUED
Issued for Land Use & UDC - October 17, 2018
Issued for UDC Supplement - November 29, 2018

PROJECT TITLE
Schroeder Road

SHEET TITLE
First Floor Plan

SHEET NUMBER

A-1.1

PROJECT NO.

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PROJECT TITLE
Schroeder Road

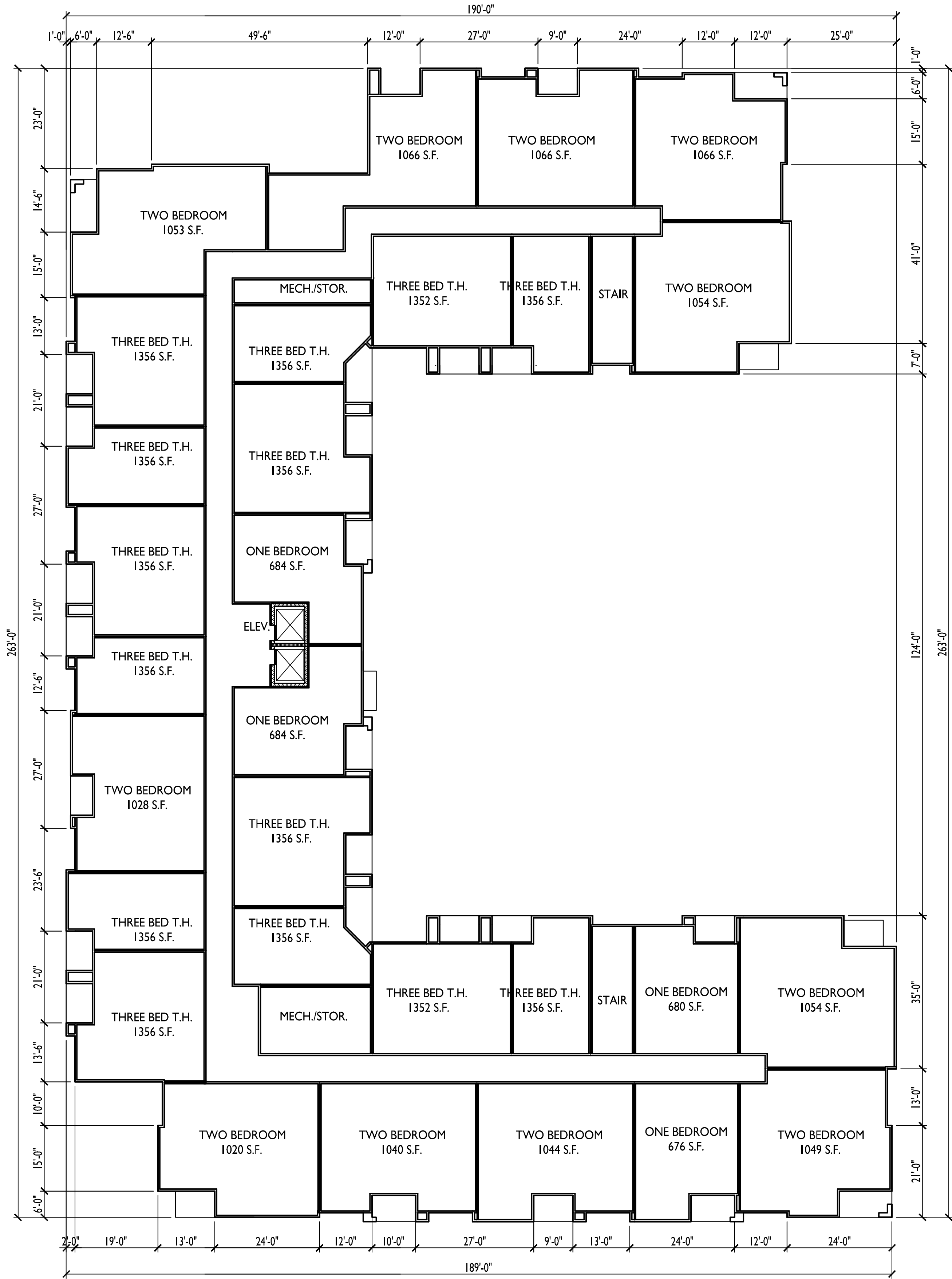
SHEET TITLE
Second Floor Plan

SHEET NUMBER

A-1.2

PROJECT NO.

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1 SECOND FLOOR PLAN
A-1.2 1/16"=1'-0"

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PROJECT TITLE
Schroeder Road

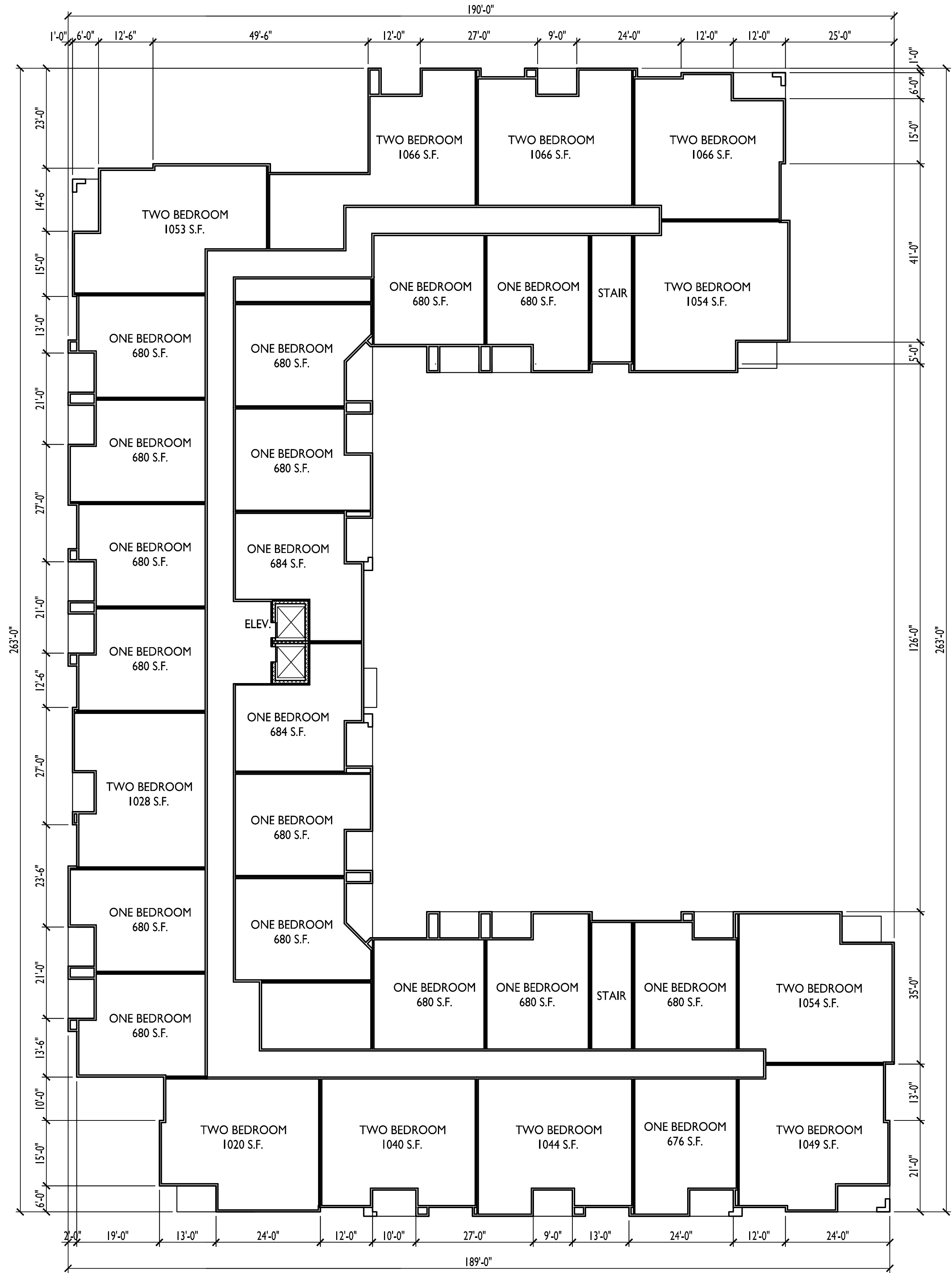
SHEET TITLE
Third Floor Plan

SHEET NUMBER

A-1.3

PROJECT NO.

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1 THIRD FLOOR PLAN
A-1.3 1/16"=1'-0"

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PROJECT TITLE
Schroeder Road

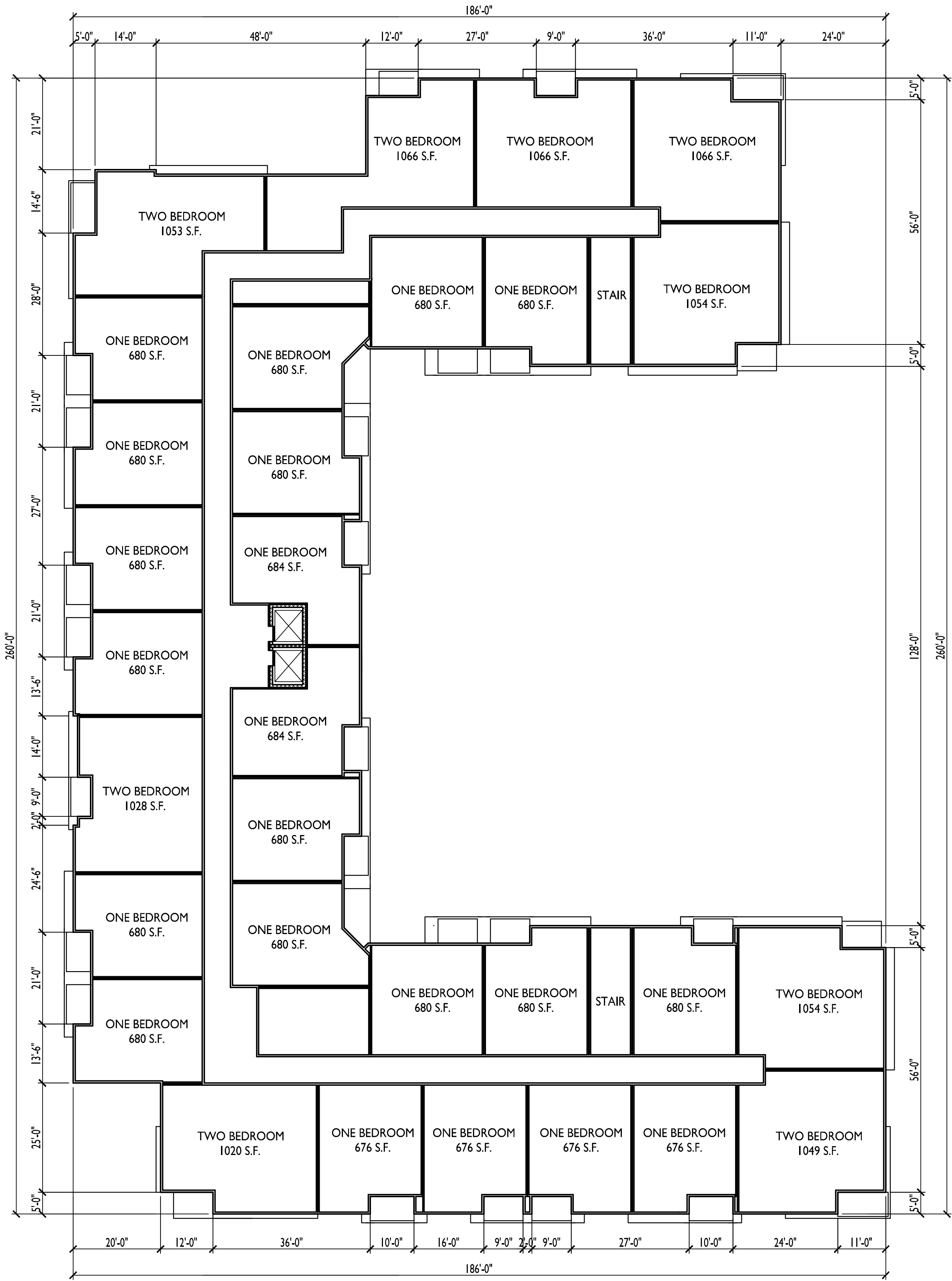
SHEET TITLE
Fourth Floor Plan

SHEET NUMBER

A-1.4

PROJECT NO.

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I
A-1.4

FOURTH FLOOR PLAN

1/16"=1'-0"



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KEY PLAN

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1 West Elevation
A-2.1 3/32" = 1'-0"



2 South Elevation
A-2.1 3/32" = 1'-0"

PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building
Elevations

SHEET NUMBER

A-2.1

PROJECT NUMBER 1851

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2018
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PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE
Building
Elevations

SHEET NUMBER

A-2.2

PROJECT NUMBER 1851

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1 Hidden North Elevation
A-2.2 3/32" = 1'-0"



2 East Elevation
A-2.2 3/32" = 1'-0"



1 Hidden South Elevation
A-2.3 3/32" = 1'-0"



2 North Elevation
A-2.3 3/32" = 1'-0"



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1 West Elevation Color
A-2.4 3/32" = 1'-0"



2 South Elevation Color
A-2.4 3/32" = 1'-0"

PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE

Color
Elevations

SHEET NUMBER

A-2.4

PROJECT NUMBER 1851

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KEY PLAN

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2 Hidden North Elevation Color
A-2.5 3/32" = 1'-0"



1 East Elevation Color
A-2.5 3/32" = 1'-0"

PROJECT TITLE

5614 Schroeder Rd.
Madison, WI

SHEET TITLE

Color
Elevations

SHEET NUMBER

A-2.5

PROJECT NUMBER 1851

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1 Hidden South Elevation Color
A-2.6 3/32" = 1'-0"



2 North Elevation Color
A-2.6 3/32" = 1'-0"



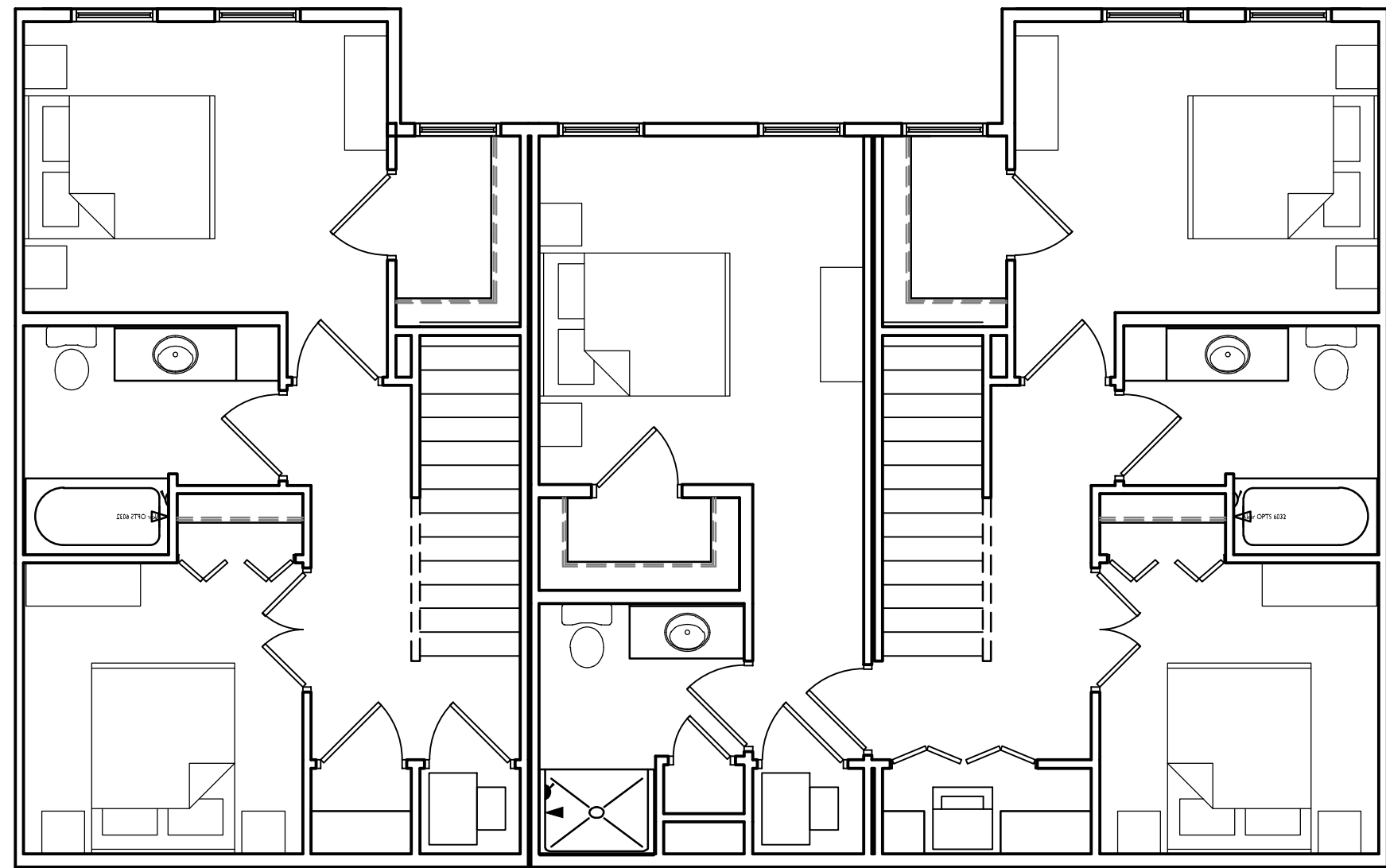
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 5614 Schroeder Rd.
 Southeast Perspective
Issued for UDC Supplement - November 29, 2018



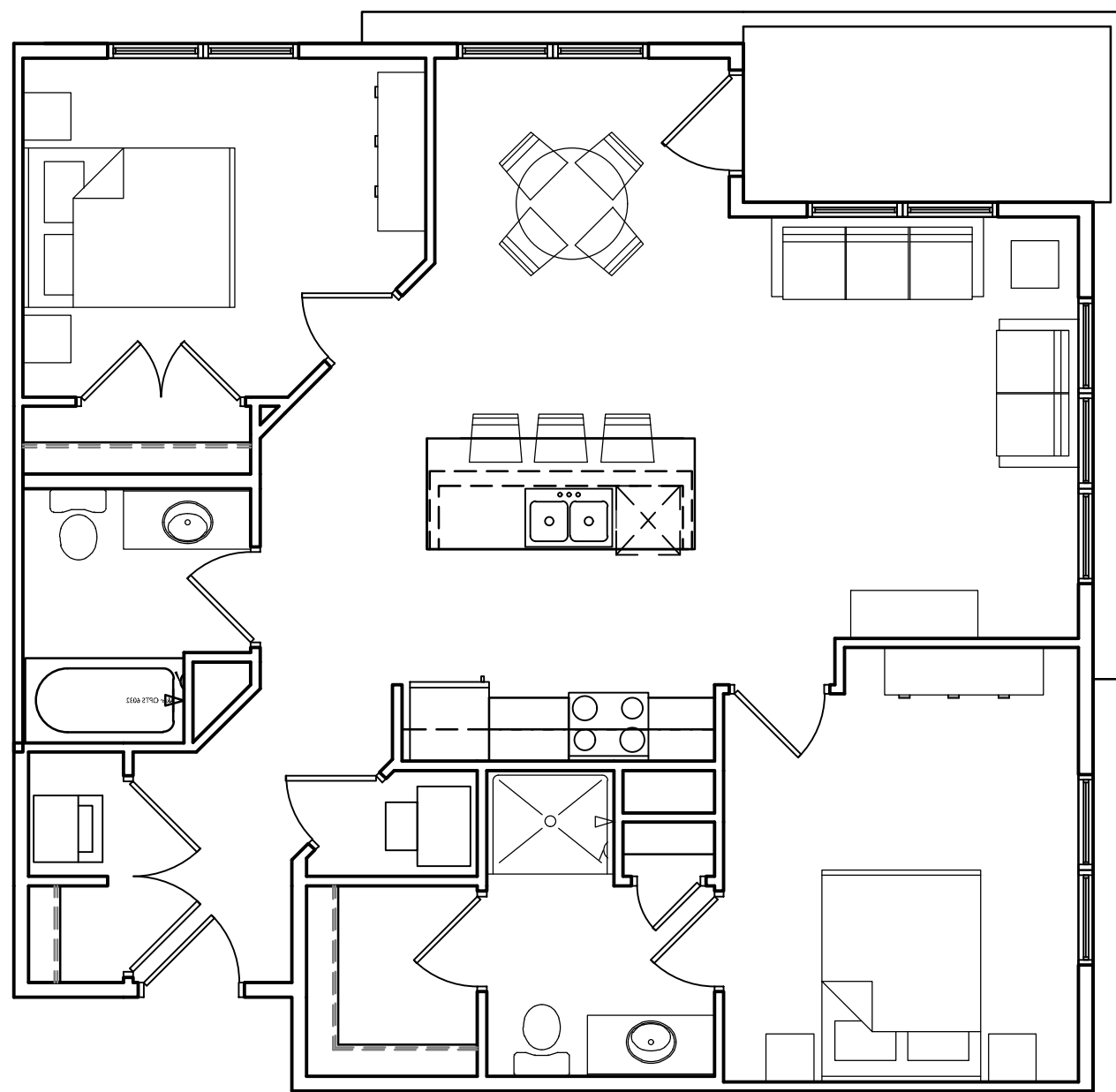
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 5614 Schroeder Rd.
 Southwest Perspective
Issued for UDC Supplement - November 29, 2018



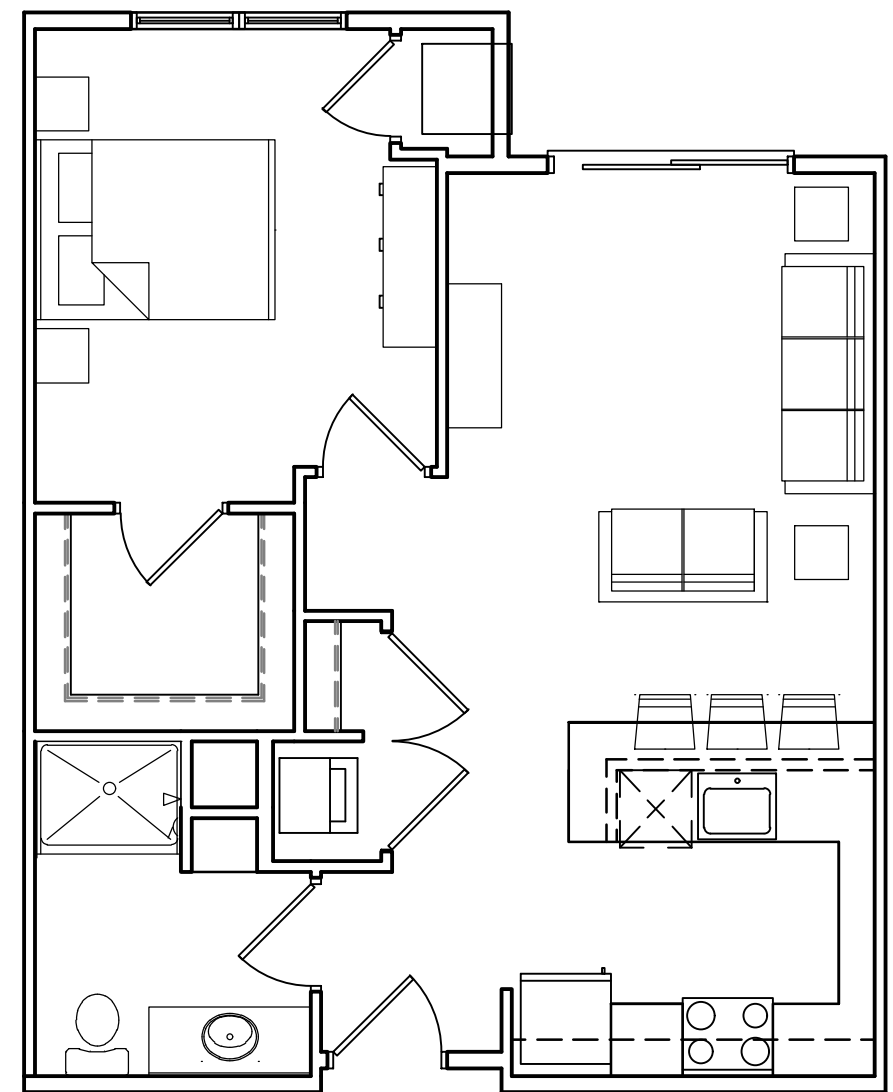
A-2.9
 5614 Schroeder Rd
 West Perspective



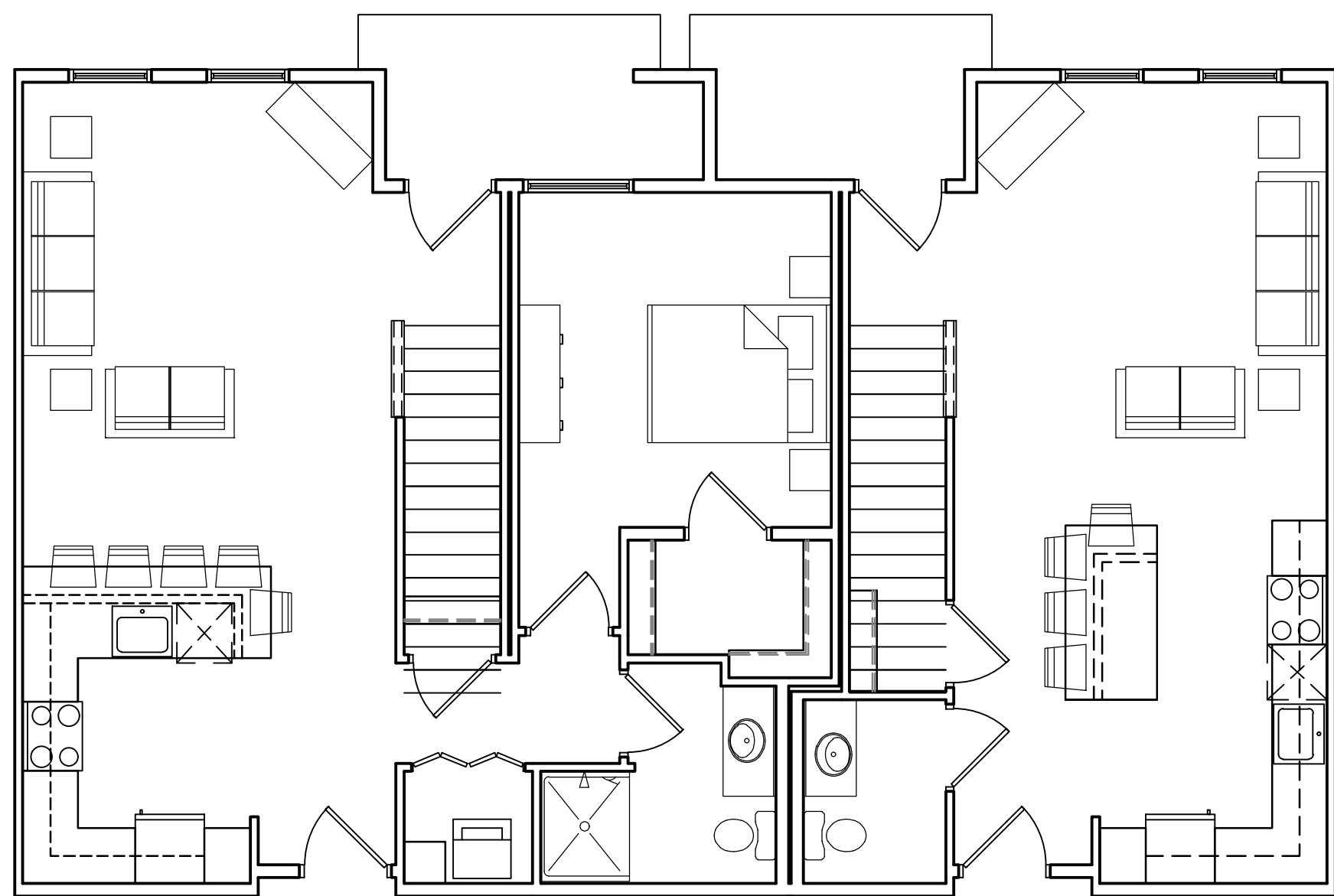
2 THREE BEDROOM TOWNHOUSE - UPPER
A-5.1 3/16"=1'-0"



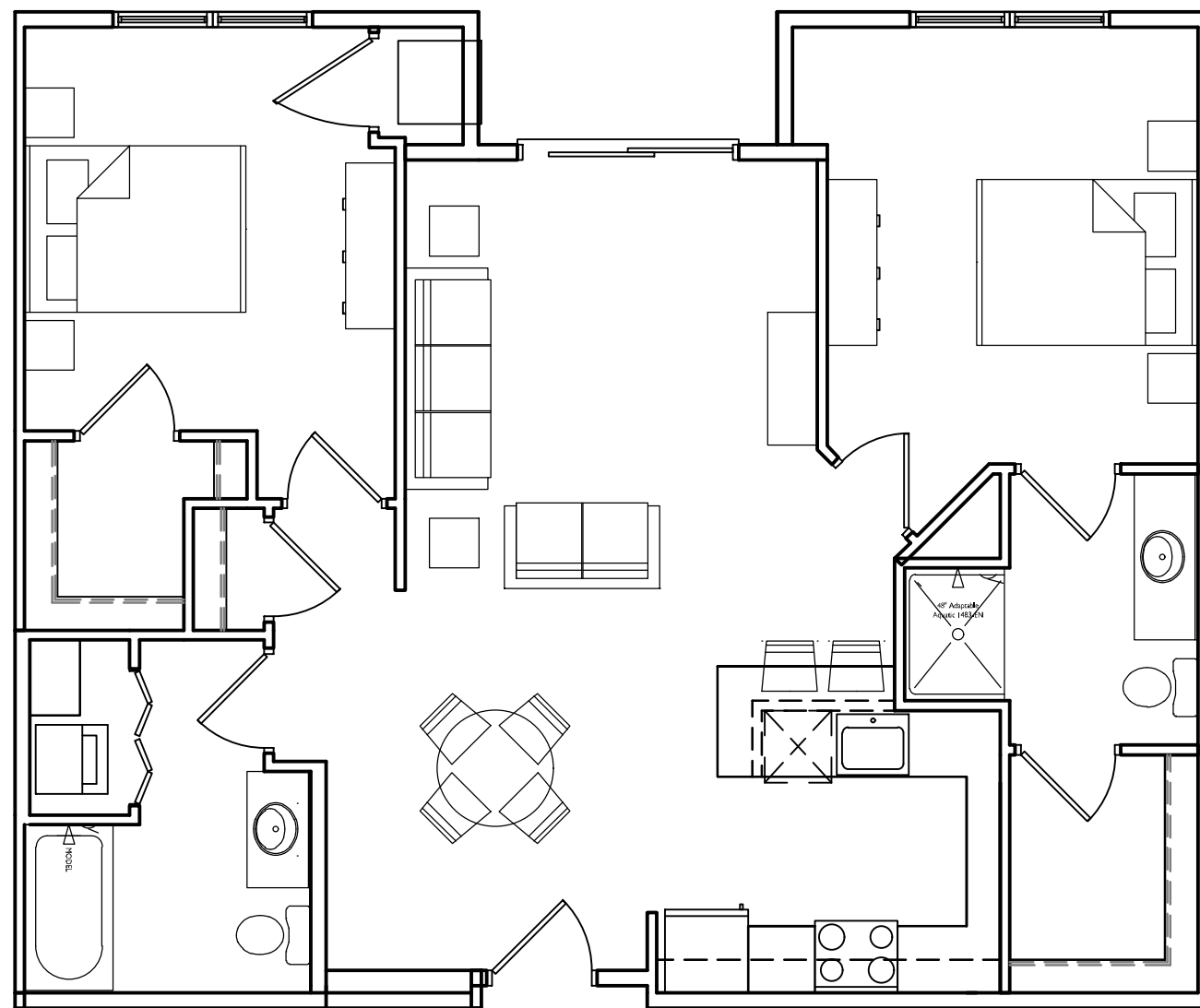
4 TWO BEDROOM
A-5.1 3/16"=1'-0"



5 ONE BEDROOM
A-5.1 3/16"=1'-0"



1 THREE BEDROOM TOWNHOUSE - LOWER
A-5.1 3/16"=1'-0"



3 TWO BEDROOM
A-5.1 3/16"=1'-0"