

URBAN DESIGN COMMISSION APPLICATION

UDC

City of Madison
Planning Division
Madison Municipal Building, Suite 017
215 Martin Luther King, Jr. Blvd.
P.O. Box 2985
Madison, WI 53701-2985
(608) 266-4635



FOR OFFICE USE ONLY:

Date Received _____ Initial Submittal
Paid _____ Revised Submittal

Complete all sections of this application, including the desired meeting date and the action requested. If your project requires both UDC and Land Use application submittals, a completed [Land Use Application](#) and accompanying submittal materials are also required to be submitted.

If you need an interpreter, translator, materials in alternate formats or other accommodations to access these forms, please call the Planning Division at (608) 266-4635.

Si necesita interprete, traductor, materiales en diferentes formatos, u otro tipo de ayuda para acceder a estos formularios, por favor llame al (608) 266-4635.

Yog tias koj xav tau ib tug neeg txhais lus, tus neeg txhais ntawv, los sis xav tau cov ntaub ntawv ua lwm hom ntawv los sis lwm cov kev pab kom paub txog cov lus qhia no, thov hu rau Koog Npaj (Planning Division) (608) 266-4635.

1. Project Information

Address (list all addresses on the project site): _____

Title: _____

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

UDC meeting date requested _____

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)

Modifications of Height, Area, and Setback

Sign Exceptions as noted in [Sec. 31.043\(3\)](#), MGO

Other

Please specify _____

4. Applicant, Agent, and Property Owner Information

Applicant name _____

Company _____

Street address _____

City/State/Zip _____

Telephone _____

Email _____

Project contact person _____

Company _____

Street address _____

City/State/Zip _____

Telephone _____

Email _____

Property owner (if not applicant) _____

Street address _____

City/State/Zip _____

Telephone _____

Email _____

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. A request for an Informational Presentation to the UDC may be requested prior to seeking any approvals to obtain early feedback and direction before undertaking detailed design efforts. 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 Modification 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 that 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

The Urban Design Commission meets virtually via Zoom, typically on the second and fourth Wednesdays of each month at 4:30 p.m. Applicant presentations are strongly encouraged, although not required. Prior to the meeting, each individual speaker is required to complete an online registration form to speak at the meeting. A link to complete the online registration will be provided by staff prior to the meeting. Please note that individual presentations will be limited to a **maximum of three (3) minutes**. The pooling of time may be utilized to provide one speaker more time to present, however the additional time will be based on the number of registrants from the applicant team, i.e. two (2) applicant registrants = six (6) minutes for one (1) speaker.

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. Please note that presentation slides, in a PDF file format, are required to be submitted **the Friday before** the UDC meeting.

URBAN DESIGN DEVELOPMENT PLANS CHECKLIST

The items listed below are minimum 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 an 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, including material and color 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
- 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)
- Site Plan showing site amenities, fencing, trash, bike parking, etc. (if applicable)
- PD text and Letter of Intent (if applicable)
- Samples of the exterior building materials
- Proposed sign areas and types (if applicable)

4. Signage Approval (*Comprehensive Design Review (CDR), Sign Modifications, and Sign Exceptions (per [Sec. 31.043\(3\)](#))*)

- Locator Map
- Letter of Intent (a summary of how the proposed signage is consistent with the CDR or Signage Modifications 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)
- Illustration of the proposed signage that meets [Ch. 31, MGO](#) compared to what is being requested
- Graphic of the proposed signage as it relates to what the [Ch. 31, MGO](#) would permit

5. Required Submittal Materials

Application Form

- 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.

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 Comprehensive Design Review (CDR) or Signage Modification review criteria is required.

Development Plans (Refer to checklist on Page 4 for plan details)

Filing Fee (Refer to Section 7 (below) for a list of application fees by request type)

Electronic Submittal

- Complete electronic submittals must be received prior to the application deadline before an application will be scheduled for a UDC meeting. Late materials will not be accepted. All plans must be legible and scalable when reduced. Individual PDF files of each item submitted should be submitted via email to UDCapplications@cityofmadison.com. The email must include the project address, project name, and applicant name.
- Email Size Limits. Note that an individual email cannot exceed 20MB and it is the responsibility of the applicant to present files in a manner that can be accepted. Applicants who are unable to provide the materials electronically should contact the Planning Division at (608) 266-4635 for assistance.

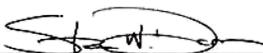
Notification to the District Alder

- Please provide an email to the District Alder notifying them that you are filing this UDC application. Please send this as early in the process as possible and provide a copy of that email with the submitted application.

6. Applicant Declarations

1. 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 _____.
2. 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.

Name of applicant _____ Relationship to property _____

Authorizing signature of property owner  _____ Date _____

7. Application Filing Fees

Fee payments are due by the submittal date. Payments received after the submittal deadline may result in the submittal being scheduled for the next application review cycle. Fees may be paid in-person, via US Mail, or City drop box. If mailed, please mail to: *City of Madison Building Inspection, P.O. Box 2984, Madison, WI 53701-2984*. The City's drop box is located outside the Municipal Building at 215 Martin Luther King, Jr. Blvd. on the E Doty Street side of the building. Please make checks payable to *City Treasurer*, and include a completed application form or cover letter indicating the project location and applicant information with all checks mailed or submitted via the City's drop box.

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

Urban Design Districts: \$350 (per [§33.24\(6\) 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 Sign Modifications (of 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

From: [Madison, Sabrina](#)
To: [Steve Doran](#); [Punt, Colin](#); [Stouder, Heather](#)
Cc: [Kirchgatter, Jenny](#)
Subject: Re: 4522 E Washington-Madison, WI
Date: Friday, November 4, 2022 1:56:56 PM
Attachments: [image001.png](#)

Hello Steve,

I've had a chance to connect with Colin and I am okay with waiving the 30 day notification period. You may go ahead and submit your land use application.

Thanks for your patience as I got caught up on the process.... and emails.

In community,

Sabrina Madison
Stay connected by [subscribing](#) to updates.
District 17 Alder
Email: district17@cityofmadison.com
Phone: 608-403-5665

From: Steve Doran <sdoran@galwaycompanies.com>
Sent: Friday, November 4, 2022 11:56 AM
To: Madison, Sabrina; Punt, Colin; Stouder, Heather
Cc: Kirchgatter, Jenny; Punt, Colin
Subject: RE: 4522 E Washington-Madison, WI

Caution: This email was sent from an external source. Avoid unknown links and attachments.

I am not sure if this email was for me but I would be happy to jump on a call.



Steve Doran
[Galway Companies, Inc.](#)
800 W Broadway, Suite 400 - Monona, WI 53713
P 608-327-4006 F 608-237-2117 C 608-347-6208
E sdoran@galwaycompanies.com

From: Madison, Sabrina <district17@cityofmadison.com>
Sent: Friday, November 4, 2022 8:34 AM
To: Punt, Colin <CPunt@cityofmadison.com>; Stouder, Heather <HStouder@cityofmadison.com>
Cc: Kirchgatter, Jenny <JKirchgatter@cityofmadison.com>; Punt, Colin <CPunt@cityofmadison.com>; Steve Doran <sdoran@galwaycompanies.com>
Subject: Re: 4522 E Washington-Madison, WI

GALWAY

COMPANIES

November 28, 2022

City of Madison
215 Martin Luther King Jr. Blvd.
Madison WI 53703

Re: 4522 E. Washington Avenue-Application for FINAL APPROVAL of a proposed Café Zupas restaurant with drive thru and Chapter Aesthetic studio and clinic.

Please find enclosed an application for informational review of a proposed Café Zupas restaurant with drive thru and a Chapter Aesthetic studio and clinic. The site is currently improved with an older and functionally obsolete retail building that was constructed in the 1970's. The building is past its useful life and in disrepair. The existing landscape retaining walls along the E. Washington Avenue frontage road are in the vision triangle and in need of rebuilding.

Tenant Summary:

Café Zupas:

Café Zupas is a Sandy, UT (Salt Lake City area) based company, which currently owns and operates 62 restaurants in Utah, Arizona, Nevada, Idaho, Illinois, Wisconsin and Minnesota. By yearend 2022 we will have 64 company owned restaurants with 3 currently operating in the Milwaukee/Madison markets.

Café Zupas has been in business since 2004 when we opened the Provo, UT restaurant. We are well known for our house made, fresh soups, salads and sandwiches. All of Cafe Zupas delicious soups, salads, sandwiches, & desserts, and made in our kitchen every single day. Each menu item is created using chef-crafted recipes and quality-sourced ingredients in each location, every single day. It's more than just fresh - it's House-Made, and it's what makes us different.

Every single location is equipped with a state-of-the-art kitchen - no commissaries here! We wouldn't ever dream of warming a soup from a bag, and we'd never settle for bottled dressings or sandwich spreads. We make them in each restaurant every day. No strange ingredients, and no preservatives. It's an extra mile, but we're happy to take it to bring you a fresh House-Made meal that simply delicious.

Our typical stores operate Monday-Saturday during the hours of 11am and 8pm, typically a little longer on Friday and Saturday, and we are closed on Sundays. We are not open for breakfast, and we do not sell alcohol. Our current layout expects to have 80 seats and will have a max number of 12 employees at our peak period.

Chapter Aesthetic Studio:

Chapter is a leading aesthetic studio providing non-surgical and cosmetic face, body and skin treatments. Our team of skilled specialists are visionaries, artists and caring confidantes. Chapter is a leading aesthetic studio offering a range of evidenced-based, non-surgical and cosmetic procedures, including injectables such as BOTOX® Cosmetic and JUVEDERM®, laser skin treatments, and body treatments including CoolSculpting® and CoolTone®. Typical Hours of Operation: 9:00am – 5:00pm M-F; Saturday & Sunday by appointment. There are typically 8-14 employees / location

Chapter currently has 10 clinics across the country with the closest opened location to Madison, WI in

800 W Broadway, Suite 400
Madison, WI 53713

www.galwaycompanies.com

GALWAY

COMPANIES

West Des Moines, IA.

Proposal Summary:

Our proposal consists of two free-standing retail buildings both with four-sided architecture.

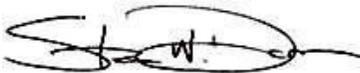
- The Café Zupas building is currently proposed as 3,136sf with a drive thru, outdoor seating and parking sufficient to accommodate all guests, customers, and employees. The exterior elevations consist of an architecturally pleasing palette of materials including Brick, painted stucco at the upper signage band areas and composite wood.
- The Chapter Aesthetic Studio building is currently proposed at 3,510sf with four-sided architecture and parking sufficient to accommodate all guests, customers and employees. The exterior elevations consist of an architecturally pleasing palette of materials including nichicha fiber cement panel, brick and a glazed subway tile.

Following the October 12th, 2022 preliminary UDC meeting we have modified our plans to incorporate requested changes by staff and UDC members. A summary of such changes is as follows:

- simplified the building materials on the Café Zupas and Chapter building to reduce the number of building materials and ensure both buildings are using cohesive materials.
- improved the cross-walk connection between the buildings and to the E. Washington Avenue frontage road.
- finalized plans for a retaining wall which matches the adjoining development where Sleep Number and Aspen Dental are located.
- eliminated any EIFS within 3' of the proposed grade of the building and reduced the overall EIFS in the projects to meet UDC guidelines.

Thank you in advance for your consideration of our request.

Sincerely,



Steve Doran, Galway Companies, Inc.

800 W Broadway, Suite 400
Madison, WI 53713

www.galwaycompanies.com

The information, drawings and specifications shown are and shall remain the property of Café Zupas®. These documents may not be used without the expressed written consent of Café Zupas®.

approx:
4522 E Washington Ave
Madison, WI 53704

MATERIALS AND COLORS

- A FIBER CEMENT PANELS:**
FINISH: SOLID THROUGH-COLOR
MFG: AFC CEMBRIT SOLID
COLOR: S 212 LUNA
- B NOT USED**
FINISH: NOT USED
MFG: NOT USED
COLOR: NOT USED
- C BRICK:**
FINISH: NORMAN 2.25X11.685
MFG: BELDEN BRICK
COLOR: ALASKA WHITE VELOUR
PAINT SW 7004 SNOWBOUND
- D BRICK:**
FINISH: NORMAN 2.25X11.685
MFG: BELDEN BRICK
COLOR: DOWNING BLACK VELOUR
SW 6258 TRICORN BLACK
- E COMPOSITE WOOD:**
MFG: NICHIIHA
STYLE: VINTAGE WOOD (FCB)
COLOR: "SPRUCE"
- F PAINTED MURAL:**
FINISH: BRICK OR EIFS
MFG: BY OWNER
COLOR: TBD CUSTOM
MADISON THEME



NORTHWEST ELEVATION

<p>REQUIRED FENESTRATION LENGTH: LENGTH = 60% of 55'-6" = 33.3' ✓ACTUAL= 23'-6" + 11'-9" = 35'-3"</p>	<p>REQUIRED FENESTRATION AREA: AREA = 40% of (18'-6" X 55'-6") = 40% of 1026.75 = 410.7 sq ft ✓ACTUAL= (11'-9" x 7') + (23'-6" x 14') = 82.25 sq ft + 329 sq ft = 411.25 sq ft</p>	<p>SPANDREL RESTRICTION: AREA = 20% of 411.25 sq ft = only 82.25 sq ft allowed ✓ACTUAL= (11'-9" x 7') = 82.25 sq ft</p>
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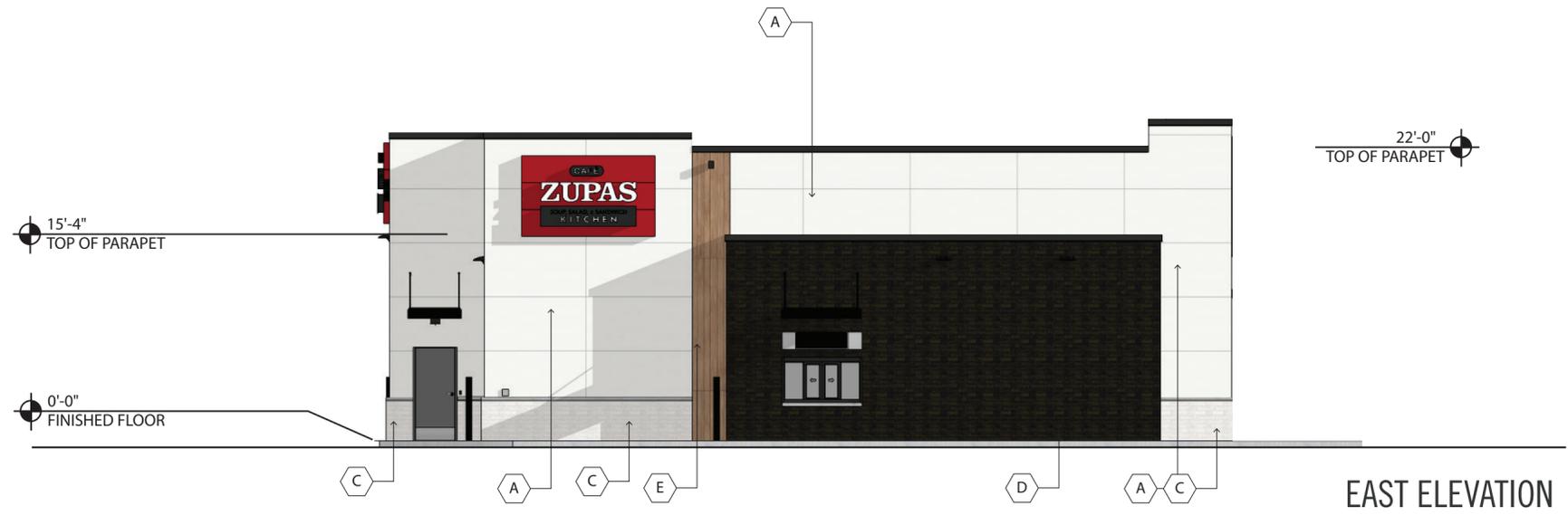
E WASHINGTON SIDE

The information, drawings and specifications shown are and shall remain the property of Café Zupas®. These documents may not be used without the expressed written consent of Café Zupas®.

approx:
4522 E Washington Ave
Madison, WI 53704

MATERIALS AND COLORS

- A FIBER CEMENT PANELS:**
 FINISH: SOLID THROUGH-COLOR
 MFG: AFC CEMBRIT SOLID
 COLOR: S 212 LUNA
- B NOT USED**
 FINISH: NOT USED
 MFG: NOT USED
 COLOR: NOT USED
- C BRICK:**
 FINISH: NORMAN 2.25X11.685
 MFG: BELDEN BRICK
 COLOR: ALASKA WHITE VELOUR
 PAINT SW 7004 SNOWBOUND
- D BRICK:**
 FINISH: NORMAN 2.25X11.685
 MFG: BELDEN BRICK
 COLOR: DOWNING BLACK VELOUR
 SW 6258 TRICORN BLACK
- E COMPOSITE WOOD:**
 MFG: NICHIIHA
 STYLE: VINTAGE WOOD (FCB)
 COLOR: "SPRUCE"
- F PAINTED MURAL:**
 FINISH: BRICK OR EIFS
 MFG: BY OWNER
 COLOR: TBD CUSTOM
 MADISON THEME



approx:
4522 E Washington Ave
Madison, WI 53704



NORTHWEST ELEVATION

approx:
4522 E Washington Ave
Madison, WI 53704



SOUTHEAST ELEVATION



Always a Better Plan

100 Camelot Drive
Fond du Lac, WI 54935
920-926-9800
excelengineer.com

PROJECT INFORMATION

PROPOSED CHAPTER AESTHETIC STUDIO DEVELOPMENT FOR:
GALWAY COMPANIES
4522 E. WASHINGTON AVE. • MADISON, WI 53704

PROFESSIONAL SEAL

PRELIMINARY DATES

NOV. 22, 2022

NOT FOR CONSTRUCTION

JOB NUMBER

2278720

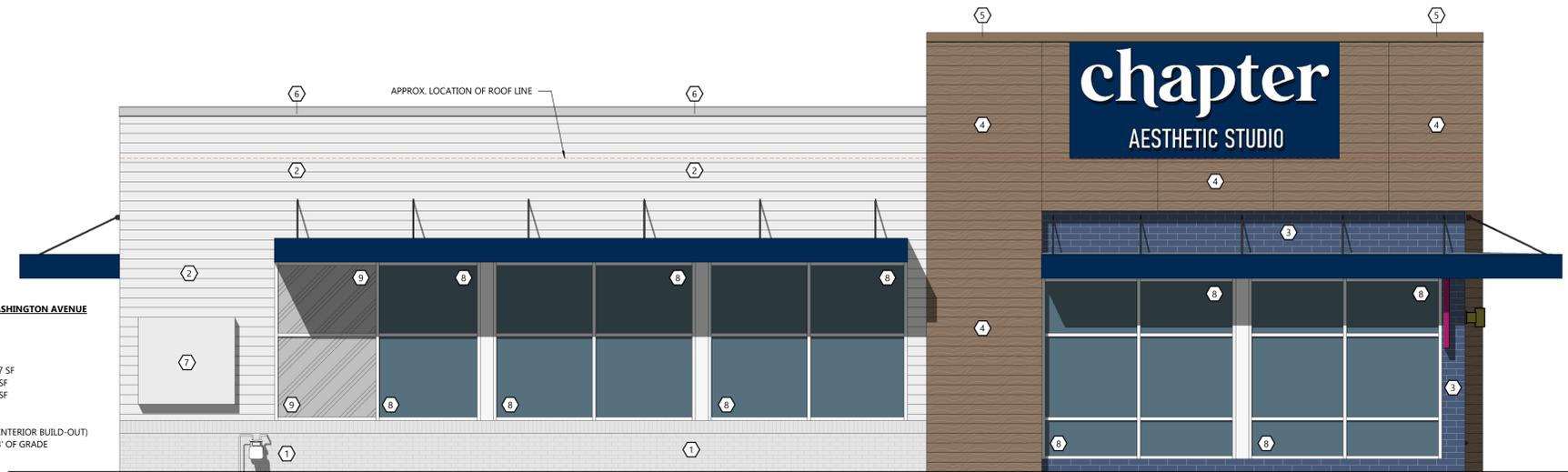
SHEET NUMBER

A21

EXTERIOR FINISH KEY

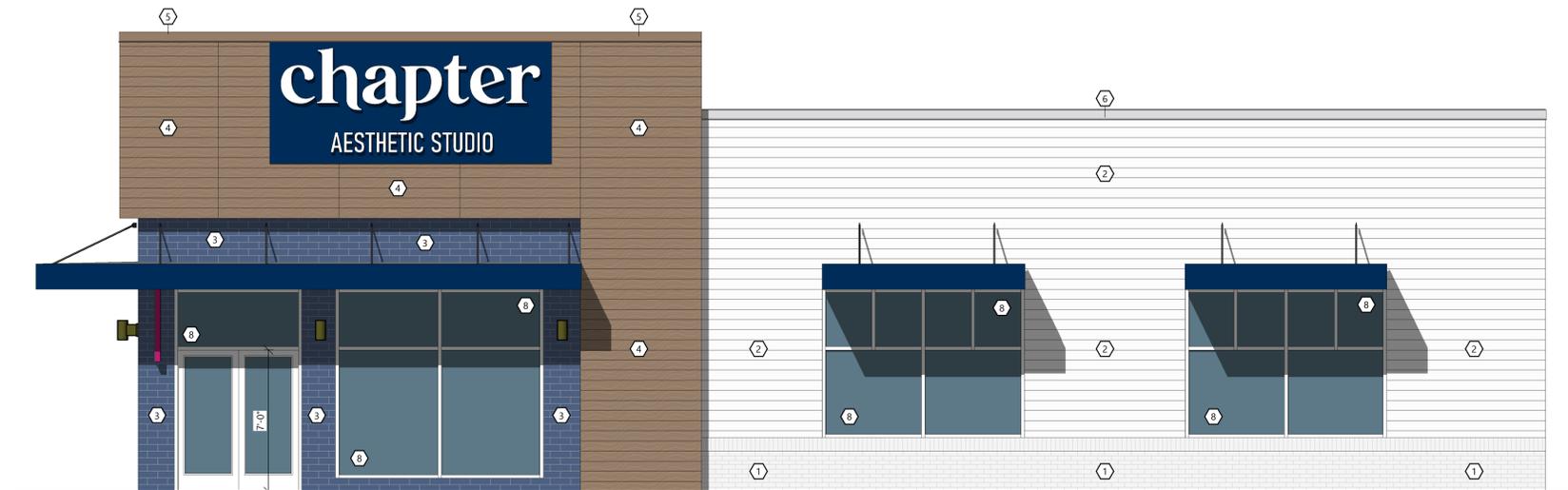
9	THERMALLY BROKEN ALUMINUM FRAME W/ INSULATED SPANDREL GLAZING • SEE A6 SHEET(S) • CONFIRM FINAL LOCATIONS W/ TENANT INTERIOR DOCUMENTS PRIOR TO ORDERING
8	THERMALLY BROKEN ALUMINUM FRAME W/ INSULATED GLAZING • SEE A6 SHEET(S)
7	PAINT COLOR: PAINT TO MATCH SIDING
6	PREFINISHED METAL COPING MFR: FIRESTONE UNA-CLAD COLOR: STONE WHITE
5	PREFINISHED METAL COPING MFR: FIRESTONE UNA-CLAD COLOR: SIERRA TAN
4	FIBER CEMENT PANEL MFR: NICHHA STYLE: VINTAGE WOOD COLOR: SPRUCE
3	GLAZED SUBWAY TILE CROSSVILLE RETRO ACTIVE ROYAL NAVY 4"x12" GROUT: WHITE
2	FIBER CEMENT LAP SIDING MFR: JAMES HARDIE STYLE: SELECT CEDARMILL COLOR: ARTIC WHITE
1	BRICK VENEER MFR: BELDEN BRICK COLOR: ALASKAN WHITE VELOUR

OPENING CALCULATIONS FACING E. WASHINGTON AVENUE
 TOTAL FAÇADE LENGTH: 70'-9"
 60% OF LENGTH: 42'-5 3/8"
 OPENINGS LENGTH: 53'-5"
 FAÇADE AREA (BELOW ROOF LINE): 1,147 SF
 40% OF AREA: 459 SF
 OPENINGS AREA: 460 SF
 20% ALLOWED TO BE SPANDREL GLAZING
 (TO BE COORDINATED WITH TENANT'S INTERIOR BUILD-OUT)
 100% OF OPENINGS HAVE A SILL WITHIN 3' OF GRADE



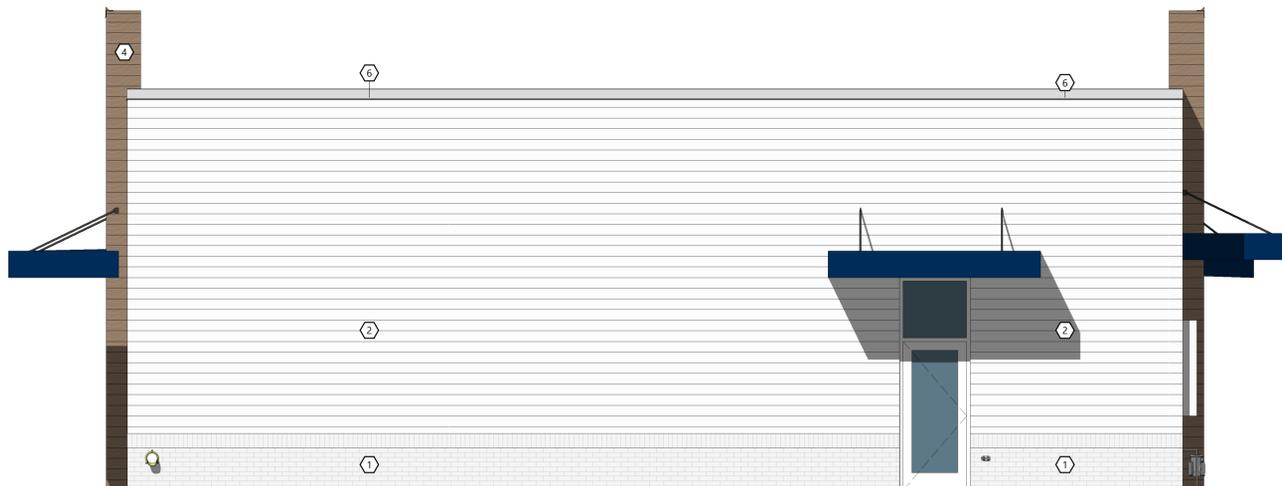
SOUTHEAST ELEVATION

SCALE: 1/4" = 1'-0"



NORTHWEST ELEVATION

SCALE: 1/4" = 1'-0"



SOUTHWEST ELEVATION

SCALE: 1/4" = 1'-0"



NORTHEAST ELEVATION

SCALE: 1/4" = 1'-0"

CAFE ZUPAS

4510 & 4522 E WASHINGTON AVENUE

PARKING LOT AND UTILITY IMPROVEMENTS

CITY OF MADISON, WISCONSIN



PROJECT LOCATION

SCALE: NTS

PROJECT CONTACTS:

CIVIL ENGINEER:
 PROFESSIONAL ENGINEERING, LLC.
 CONTACT: ROXANNE JOHNSON, PE
 818 N. MEADOWBROOK LANE
 WAUNAKEE, WI 53597
 (608) 849-9378

OWNER:
 GALWAY COMPANIES, INC.
 CONTACT: STEVE DORAN
 800 W BROADWAY, SUITE 400
 MADISON, WI 53718
 (608) 327-4006



Call 811 3 Work Days Before You Dig
 or Toll Free (800) 242-8511
 Milwaukee Area (414) 259-1181
 Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

LIST OF DRAWINGS

SHEET NO.	TITLE
T100	TITLE SHEET
C100	EXISTING CONDITIONS
C101	DEMOLITION PLAN
C200	SITE PLAN
C300	OVERALL GRADING PLAN
C301	GRADING PLAN
C302	GRADING PLAN
C303	GRADING PLAN
C400	UTILITY PLAN
C401	STORM SEWER SCHEDULE
L100	LANDSCAPE PLAN
E101	LIGHTING PLAN

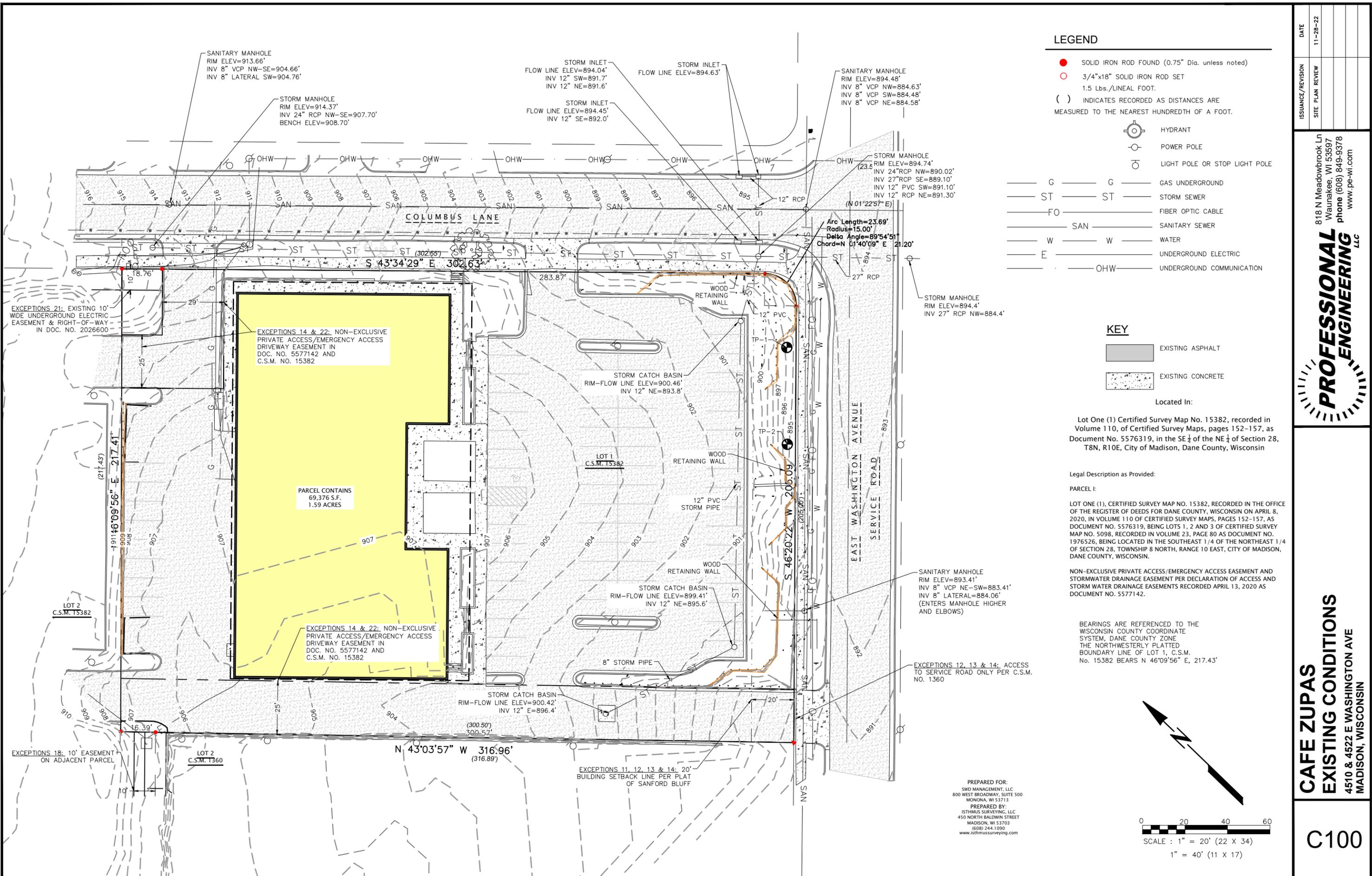
ISSUANCE/REVISION	DATE
SITE PLAN REVIEW	11-28-22

818 N Meadowbrook Ln
 Waunakee, WI 53597
 phone (608) 849-9378
www.pe-wi.com

PROFESSIONAL ENGINEERING LLC

CAFE ZUPAS
TITLE SHEET
 4510 & 4522 E WASHINGTON AVE
 MADISON, WISCONSIN

T100



LEGEND

- SOLID IRON ROD FOUND (0.75" Dia. unless noted)
- 3/4"x18" SOLID IRON ROD SET
- 1.5 Lbs./LINEAL FOOT.
- () INDICATES RECORDED AS DISTANCES ARE MEASURED TO THE NEAREST HUNDREDTH OF A FOOT.
- ⊙ HYDRANT
- POWER POLE
- ⊙ LIGHT POLE OR STOP LIGHT POLE
- G GAS UNDERGROUND
- ST STORM SEWER
- FO FIBER OPTIC CABLE
- SAN SANITARY SEWER
- W WATER
- E UNDERGROUND ELECTRIC
- OHW UNDERGROUND COMMUNICATION

KEY

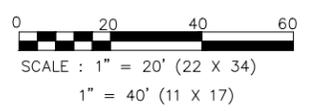
- ▒ EXISTING ASPHALT
- ▒ EXISTING CONCRETE

Located in:
 Lot One (1) Certified Survey Map No. 15382, recorded in Volume 110, of Certified Survey Maps, pages 152-157, as Document No. 5576319, in the SE 1/4 of the NE 1/4 of Section 28, T8N, R10E, City of Madison, Dane County, Wisconsin

Legal Description as Provided:
 PARCEL 1:
 LOT ONE (1), CERTIFIED SURVEY MAP NO. 15382, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR DANE COUNTY, WISCONSIN ON APRIL 8, 2020, IN VOLUME 110 OF CERTIFIED SURVEY MAPS, PAGES 152-157, AS DOCUMENT NO. 5576319, BEING LOTS 1, 2 AND 3 OF CERTIFIED SURVEY MAP NO. 5098, RECORDED IN VOLUME 23, PAGE 80 AS DOCUMENT NO. 1976526, BEING LOCATED IN THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 28, TOWNSHIP 8 NORTH, RANGE 10 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN.
 NON-EXCLUSIVE PRIVATE ACCESS/EMERGENCY ACCESS EASEMENT AND STORMWATER DRAINAGE EASEMENT PER DECLARATION OF ACCESS AND STORM WATER DRAINAGE EASEMENTS RECORDED APRIL 13, 2020 AS DOCUMENT NO. 5577142.

BEARINGS ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE THE NORTHWESTERLY PLATTED BOUNDARY LINE OF LOT 1, C.S.M. NO. 15382 BEARS N 46°09'56" E, 217.43'

PREPARED FOR:
 SWD MANAGEMENT, LLC
 800 WEST BROADWAY, SUITE 500
 MONONA, WI 53713
 PREPARED BY:
 ISTHMUS SURVEYING, LLC
 450 NORTH BALDWIN STREET
 MADISON, WI 53703
 (608) 244.1090
 www.isthmussurveying.com



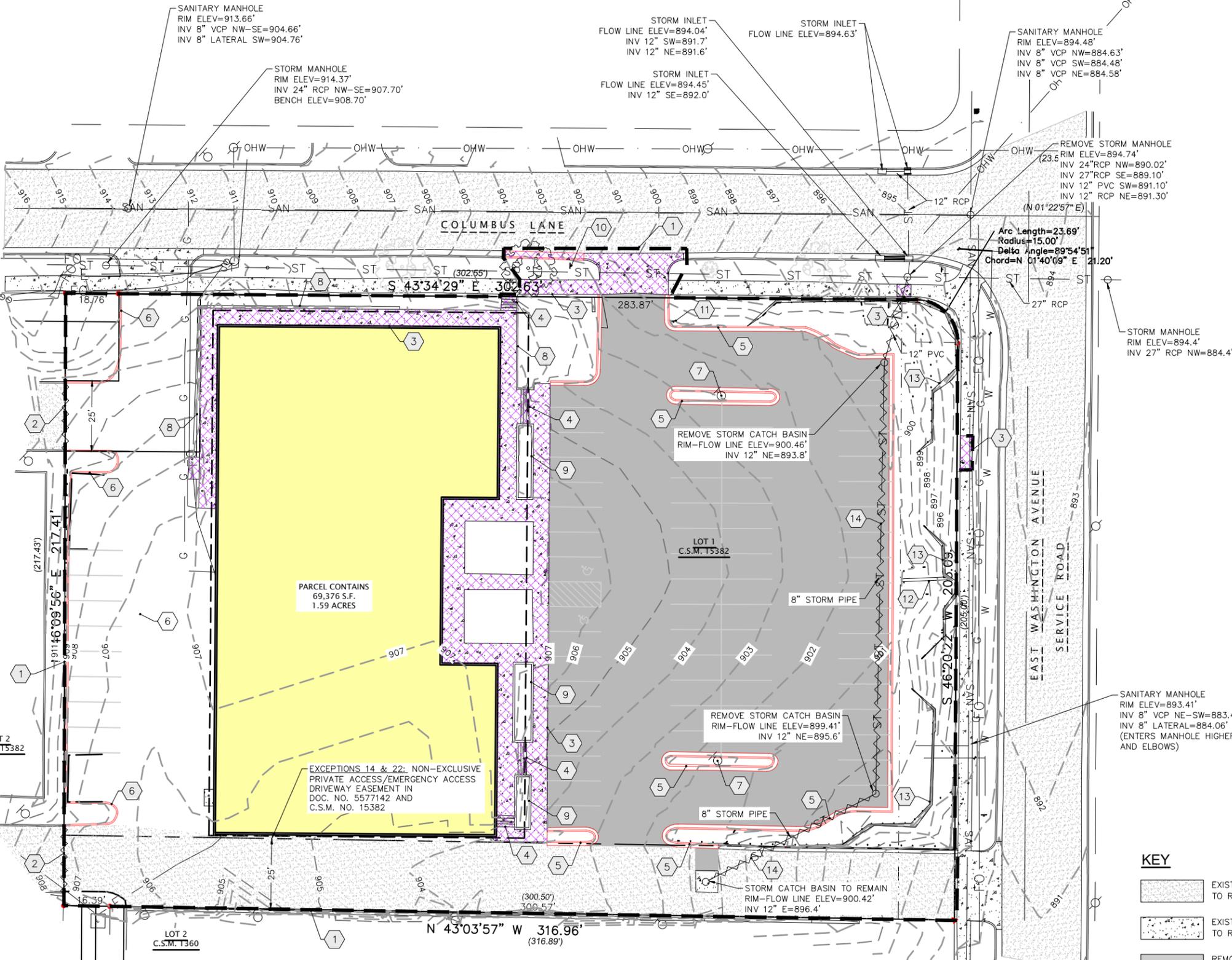
ISSUANCE/REVISION	DATE
SITE PLAN REVIEW	11-28-22

818 N Meadowbrook Ln
 Waunakee, WI 53597
 phone (608) 849-9378
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PROFESSIONAL ENGINEERING LLC

**CAFE ZUPAS
 EXISTING CONDITIONS**
 4510 & 4522 E WASHINGTON AVE
 MADISON, WISCONSIN

C100



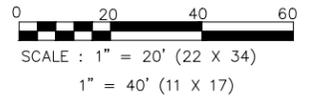
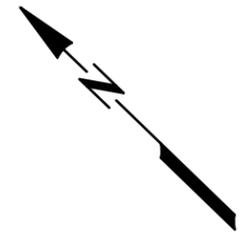
PLAN KEY

- 1 CONSTRUCTION LIMITS
- 2 SAWCUT AND REMOVE EXISTING ASPHALT
- 3 REMOVE CONCRETE SIDEWALK TO NEAREST JOINT
- 4 REMOVE CONCRETE STAIRS
- 5 REMOVE 18" CURB AND GUTTER
- 6 REMOVE 6" CURB
- 7 REMOVE LIGHT POLE AND BASE
- 8 REMOVE CONCRETE RETAINING WALL
- 9 REMOVE CONCRETE PLANTER
- 10 REMOVE "NO PARKING THIS SIDE" SIGNAGE AND POST AND REINSTALL
- 11 REMOVE SIGN & POST
- 12 REMOVE PYLON SIGN
- 13 REMOVE WOOD RETAINING WALL
- 14 ABANDON OR REMOVE EXISTING STORM SEWER

- A. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES PRIOR TO BEGINNING DEMOLITION OPERATIONS. NOTIFY DIGGERS HOTLINE 5 WORKING DAYS PRIOR TO START OF DEMOLITION/ CONSTRUCTION. CONTRACTOR TO PAY FOR PRIVATE LOCATES.
- B. THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING TREES, STUMPS, ROOTS, AND OTHER ITEMS THAT ARE NOT NOTED TO REMAIN PER THE CONSTRUCTION DRAWINGS AND WHICH INTERFERE WITH NEW CONSTRUCTION.
- C. GENERAL CONTRACTOR TO DISPOSE OF ALL DEMOLITION / CONSTRUCTION MATERIALS OFF SITE IN A LEGAL MANNER EXCEPT FOR THOSE ITEMS NOTED TO BE SALVAGED.
- D. ALL MATERIALS, UTILITIES, AND SIDEWALK DAMAGED BY THE CONTRACTOR AS A RESULT OF THE DEMOLITION OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- E. CONTRACTOR SHALL PROTECT ALL EXISTING FACILITIES (INCLUDING BUT NOT LIMITED TO ELECTRICAL, WATER, SANITARY, SIDEWALK, ETC.) THAT ARE TO REMAIN.
- F. REMOVE ANY EXCESS PULVERIZED MATERIALS FROM THE SITE AFTER FINAL GRADING.
- G. RESTORATION OF LAWN AREAS WITHIN THE PROJECT LIMITS IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE SITE IMPROVEMENTS.

KEY

- EXISTING ASPHALT TO REMAIN
- EXISTING CONCRETE TO REMAIN
- REMOVE EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING BUILDING
- REMOVE CURB AND GUTTER/CURB



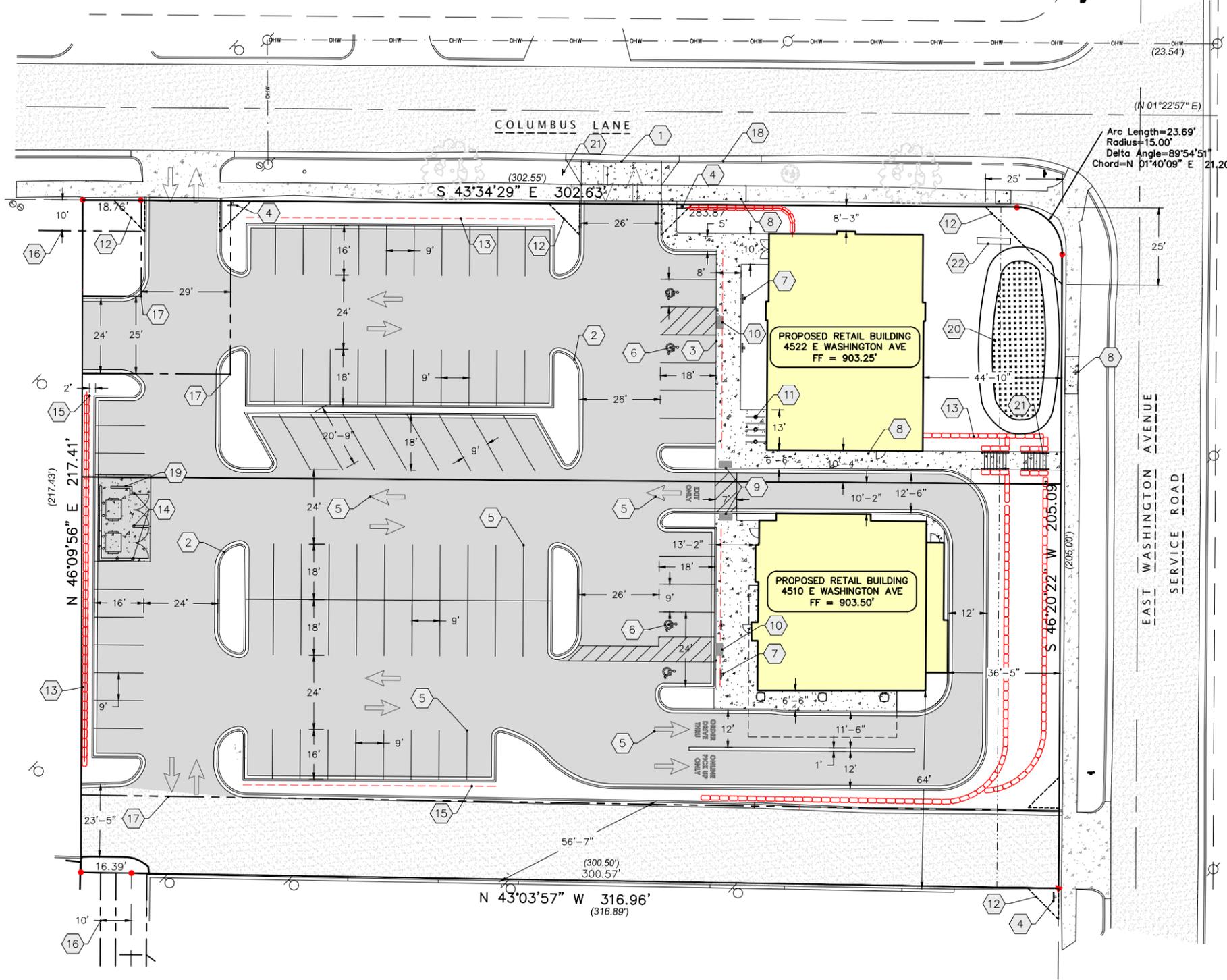
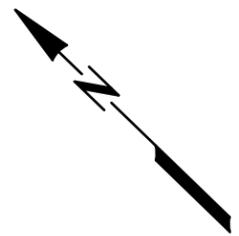
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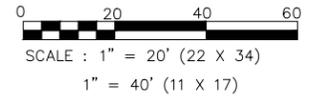
PROFESSIONAL ENGINEERING LLC

**CAFE ZUPAS
DEMOLITION PLAN**
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C101



NOTE:
 RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS



PLAN KEY

- 1 NEW DRIVEWAY APPROACH IN ACCORDANCE WITH CITY STANDARDS. CONTRACTOR TO OBTAIN STREET EXCAVATION PERMIT FROM THE CITY TO WORK IN THE RIGHT-OF-WAY
- 2 18" CURB AND GUTTER
- 3 THICKENED EDGE CONCRETE, TYP.
- 4 7" STOP SIGN
- 5 4" PAVEMENT STRIPING WITH TWO COATS OF TRAFFIC GRADE LATEX PAINT, TYP
- 6 ACCESSIBLE STALL, TYP.
- 7 VAN ACCESSIBLE PARKING SIGN, TYP.
- 8 CONCRETE SIDEWALK, TYP.
- 9 CURB RAMP TYPE 1, W/DETECTABLE WARNING FIELD, TYP
- 10 CURB RAMP TYPE 2, W/DETECTABLE WARNING FIELD, TYP
- 11 BIKE RACK TO BE DERO PART# BH-FT-EPX BIKE RACKS SURFACE MOUNT POWDER COAT FINISH
- 12 10' x 10' VISION TRIANGLE AT DRIVEWAYS AND 25' X 25' VISION TRIANGLE AT STREETS. NO VISUAL OBSTRUCTIONS ARE ALLOWED BETWEEN THE HEIGHTS OF 30 INCHES AND 10 FEET
- 13 RETAINING WALL, DESIGN BY OTHERS
- 14 BOLLARD
- 15 2' VEHICLE PARKING OVERHANG, TYP.
- 16 EXISTING 10' WIDE UTILITY EASEMENT
- 17 EXISTING DRIVEWAY EASEMENT
- 18 30" CURB AND GUTTER
- 19 SCREENED DUMPSTER, (SEE ARCHITECTURAL PLANS)
- 20 BIORETENTION AREA FOR STORMWATER MANAGEMENT
- 21 REINSTAL "NO PARKING THIS SIDE" SIGNAGE AND POST
- 22 CONCRETE STAIRS WITH HAND RAILS, DESIGN BY OTHERS
- 23 MONUMENT SIGN

SITE INFORMATION

SITE ADDRESS: 4510 & 4522 E WASHINGTON AVENUE
 SITE ACREAGE TOTAL: 69,376 SF (1.59 ACRES)
 NUMBER OF BUILDING STORIES = 1
 BUILDING AREA = 6,881 GSF
 EXISTING IMPERVIOUS AREA = 59,532 SF
 PROPOSED IMPERVIOUS AREA = 56,688 SF
 BUILDING = 6,881 SF
 PAVEMENT/SIDEWALK = 49,807 SF
 IMPERVIOUS SURFACE % = 81.7%
 NUMBER OF PARKING STALLS: 83 (4 HC)
 TOTAL BIKE PARKING: 6 STALLS

KEY

- ASPHALT PAVEMENT
- CONCRETE
- CONCRETE PAVEMENT
- EXISTING CONCRETE
- BIORETENTION DEVICE
- EXISTING ASPHALT

ISSUANCE/REVISION	DATE
SITE PLAN REVIEW	11-28-22

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PROFESSIONAL ENGINEERING LLC

CAFE ZUPAS SITE PLAN
 4510 & 4522 E WASHINGTON AVE
 MADISON, WISCONSIN

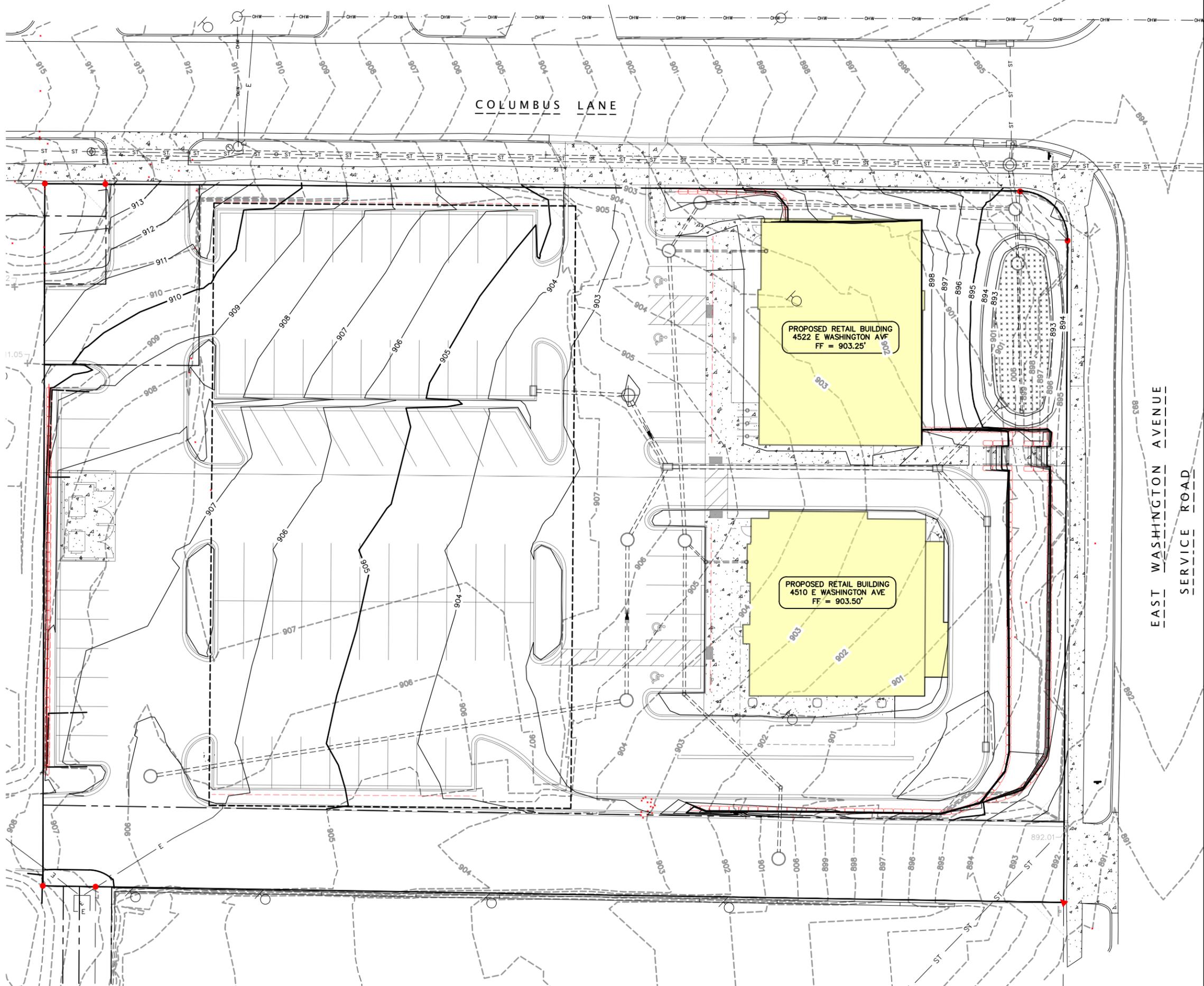
C200

GRADING NOTES

1. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
2. ALL MATCHING PAVEMENT AND STORM SEWER ELEVATIONS SHALL BE VERIFIED IN THE FIELD TO ALLOW FOR PROPER DRAINAGE.
3. CONTOUR AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS.
4. ALL LAWN AND PLANTING AREAS WHICH HAVE BEEN COMPACTED DUE TO CONSTRUCTION SHALL BE LOOSENEED PRIOR TO ADDITION OF TOPSOIL.
5. SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% (1:50).

GRADING LEGEND

- - - - - EXISTING CONTOUR
- PROPOSED CONTOUR



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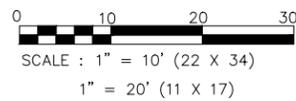
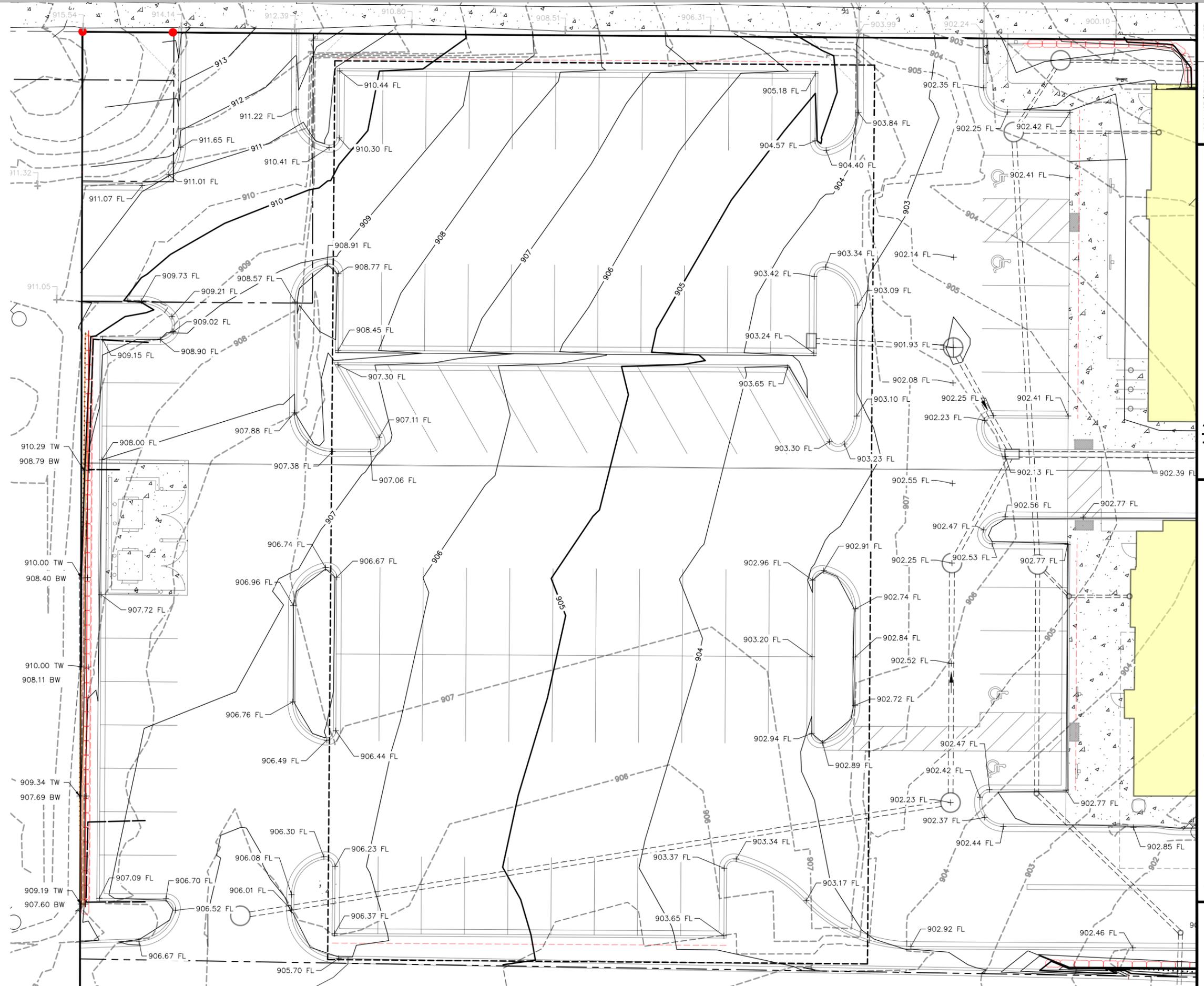
C300

GRADING NOTES

1. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
2. ALL MATCHING PAVEMENT AND STORM SEWER ELEVATIONS SHALL BE VERIFIED IN THE FIELD TO ALLOW FOR PROPER DRAINAGE.
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5. SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% (1:50).

GRADING LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- × 1000.00 P PAVEMENT ELEVATION
- × 1000.00 FL FLOW LINE ELEVATION
- × 1000.00 TW TOP OF RETAINING WALL ELEVATION
- × 1000.00 BW BOTTOM OF RETAINING WALL ELEVATION



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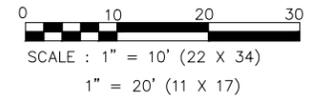
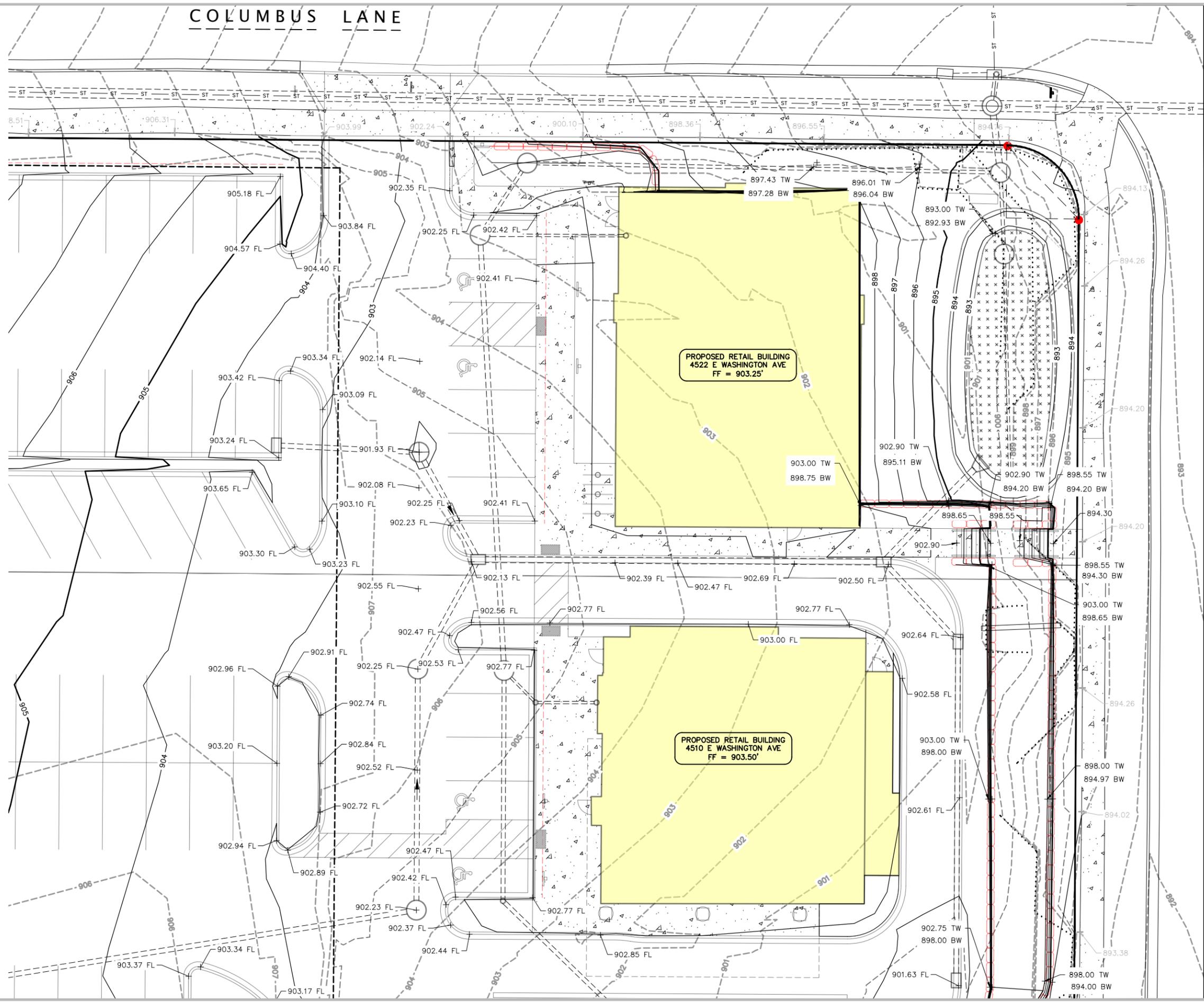
COLUMBUS LANE

GRADING NOTES

1. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
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5. SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% (1:50).

GRADING LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- × 1000.00 P PAVEMENT ELEVATION
- × 1000.00 FL FLOW LINE ELEVATION
- × 1000.00 TW TOP OF RETAINING WALL ELEVATION
- × 1000.00 BW BOTTOM OF RETAINING WALL ELEVATION



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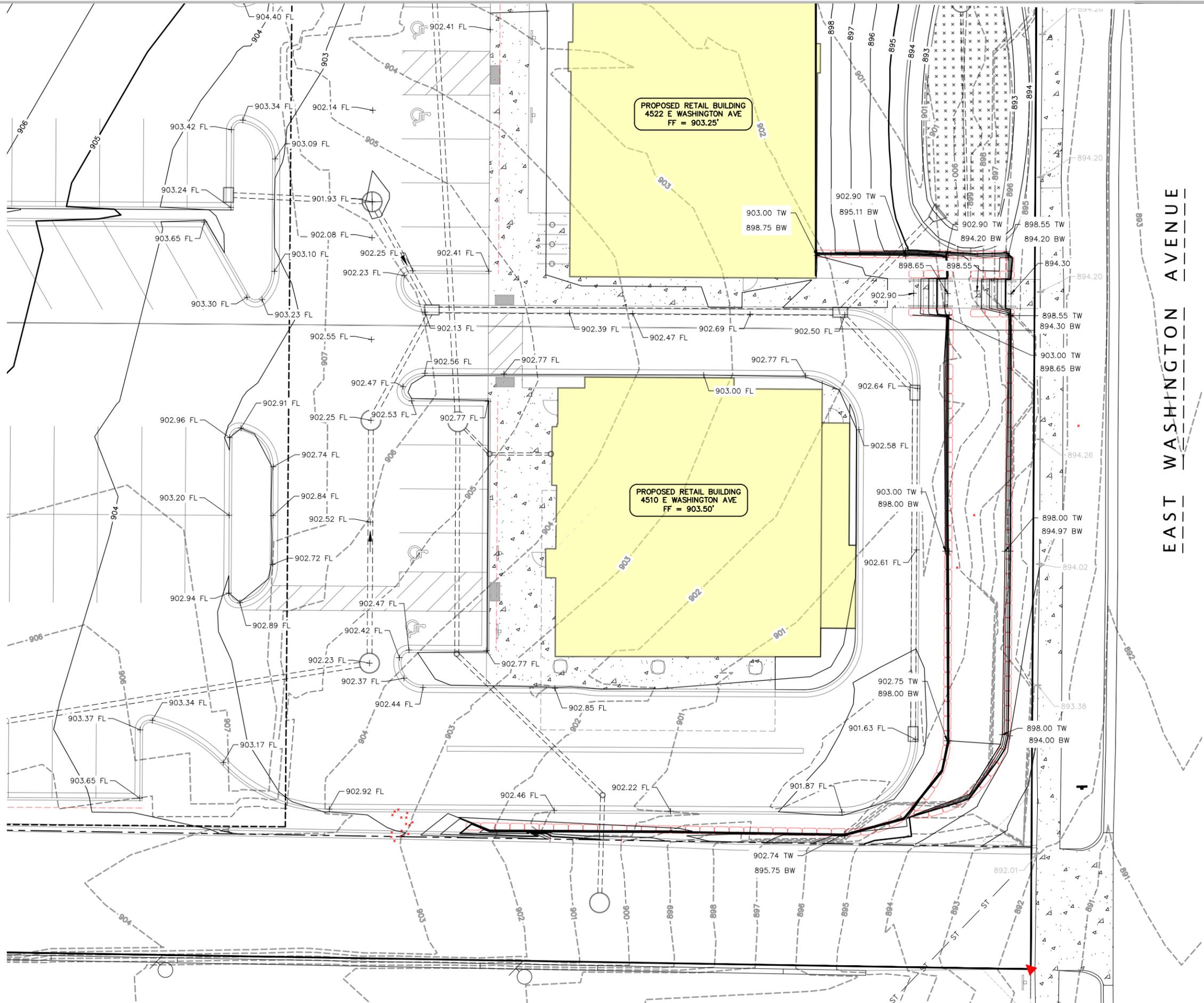
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GRADING NOTES

1. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
2. ALL MATCHING PAVEMENT AND STORM SEWER ELEVATIONS SHALL BE VERIFIED IN THE FIELD TO ALLOW FOR PROPER DRAINAGE.
3. CONTOUR AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE ELEVATIONS.
4. ALL LAWN AND PLANTING AREAS WHICH HAVE BEEN COMPACTED DUE TO CONSTRUCTION SHALL BE LOOSENEED PRIOR TO ADDITION OF TOPSOIL.
5. SIDEWALKS SHALL HAVE A MAXIMUM CROSS SLOPE OF 2% (1:50).

GRADING LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- × 1000.00 P PAVEMENT ELEVATION
- × 1000.00 FL FLOW LINE ELEVATION
- × 1000.00 TW TOP OF RETAINING WALL ELEVATION
- × 1000.00 BW BOTTOM OF RETAINING WALL ELEVATION



EAST WASHINGTON AVENUE

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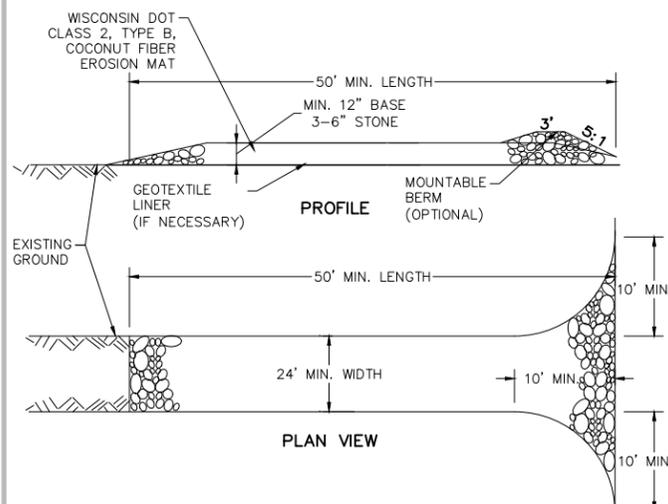
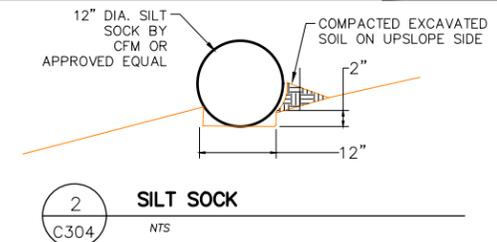
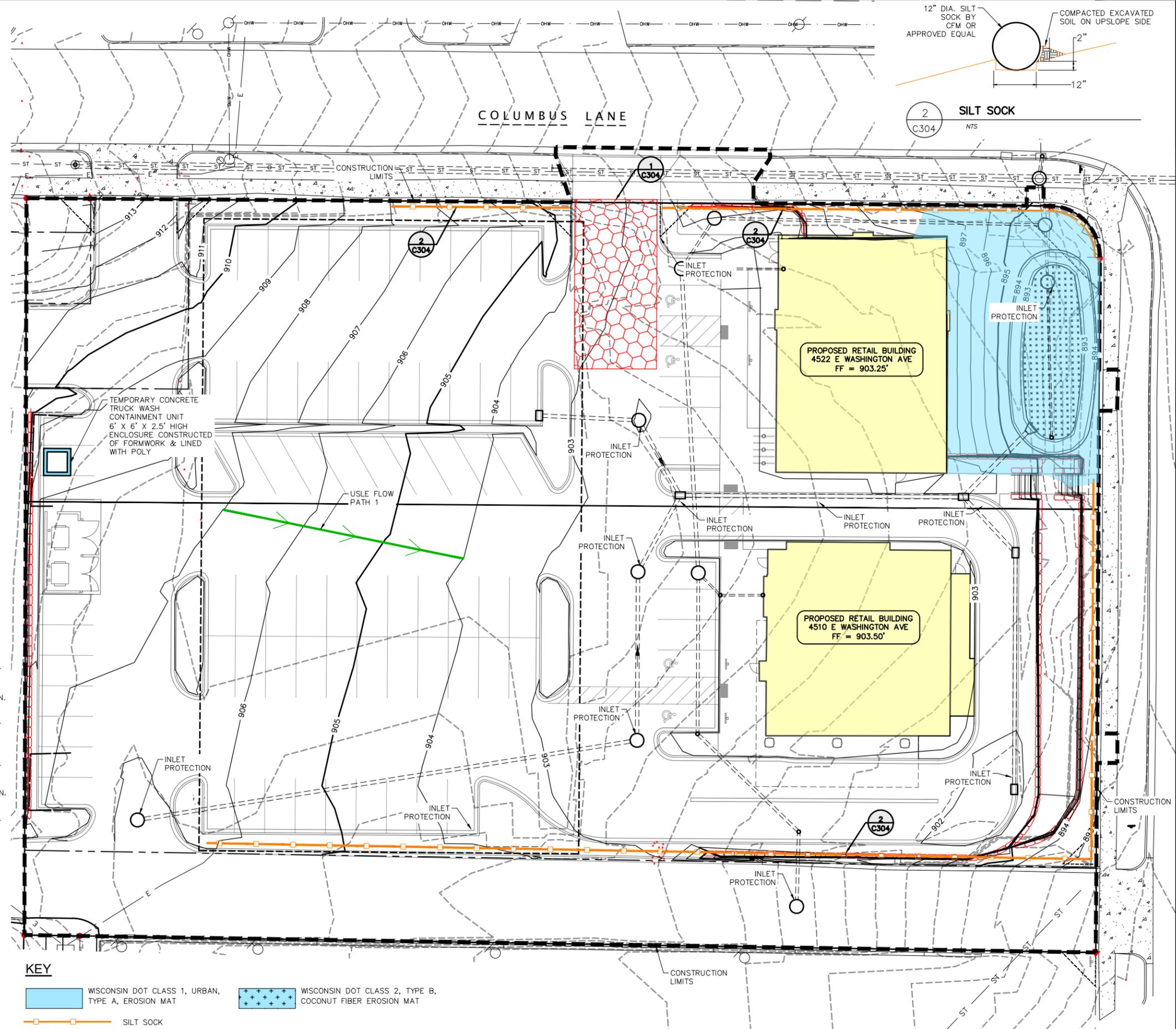
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4510 & 4522 E WASHINGTON AVE
MADISON, WISCONSIN

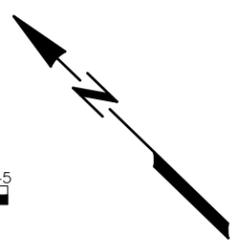
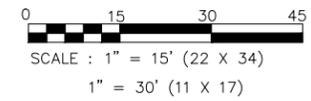
C303

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN EROSION CONTROL DEVICES FROM THE START OF LAND DISTURBING CONSTRUCTION ACTIVITIES UNTIL FINAL STABILIZATION OF THE CONSTRUCTION SITE.
2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROPRIATE WISCONSIN DNR CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS. THE COUNTY RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROL MEASURES AS CONDITIONS WARRANT.
3. CLEANING. RIGHT-OF-WAY SURFACES SHALL BE THOROUGHLY CLEANED BEFORE THE END OF EACH WORKING DAY.
4. RESTORATION. RESTORATION SHALL BE COMPLETED AS NOTED IN THE CONSTRUCTION SCHEDULE UNLESS OTHERWISE AUTHORIZED BY THE COUNTY.
5. INSPECTION. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. DOCUMENTATION OF EACH INSPECTION SHALL INCLUDE THE TIME, DATE AND LOCATION OF INSPECTION, THE PHASE OF LAND DISTURBANCE AT THE CONSTRUCTION SITE, PERSON CONDUCTING THE INSPECTION, ASSESSMENT OF CONTROL PRACTICES, AND A DESCRIPTION OF ANY EROSION OR SEDIMENT CONTROL MEASURE INSTALLATION.
6. INLET PROTECTION. ALL INLETS SUBJECT TO DRAINAGE SHALL BE PROTECTED WITH FRAMED INLET PROTECTION MEETING ASTM D8057-17 REQUIREMENTS. ANY DEPOSITS OF DIRT, MUD, ROCK, DEBRIS, OR OTHER MATERIAL ENTERING THE STORM SEWER SYSTEM SHALL BE PROMPTLY AND THOROUGHLY CLEANED OUT.
7. EROSION MAT. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 4H:1V SHALL BE STABILIZED WITH WISCONSIN DOT CLASS 1, URBAN, TYPE B, EROSION MAT AS NOTED.
8. TEMPORARY EROSION CONTROL. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
9. STABILIZATION. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF LAST ACTIVITY. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 DAYS OF REACHING FINAL GRADING.
10. TOPSOIL. A MINIMUM OF 6 INCHES OF TOPSOIL MUST BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.
11. SEEDING. LAWN AREAS SHALL BE FINISH GRADED AND SEEDED AT A RATE OF 4 LBS. PER 1,000 SQ. FT. BASIS OF DESIGN: MADISON PARKS LAWN SEED MIX. EARTH CARPET CORPORATION. (WWW.SEEDSOLUTIONS.COM). ALL STRAW MULCH MUST BE CRIMPED IN.
12. STOCKPILES. ALL STOCKPILES MUST BE TEMPORARILY STABILIZED WITHIN 7 DAYS OF LAST ACTIVITY AND PROTECTED WITH PERIMETER CONTROL INSTALLED 5' FROM THE TOE OF THE PILE.



1 STONE TRACKING PAD
C304 NTS



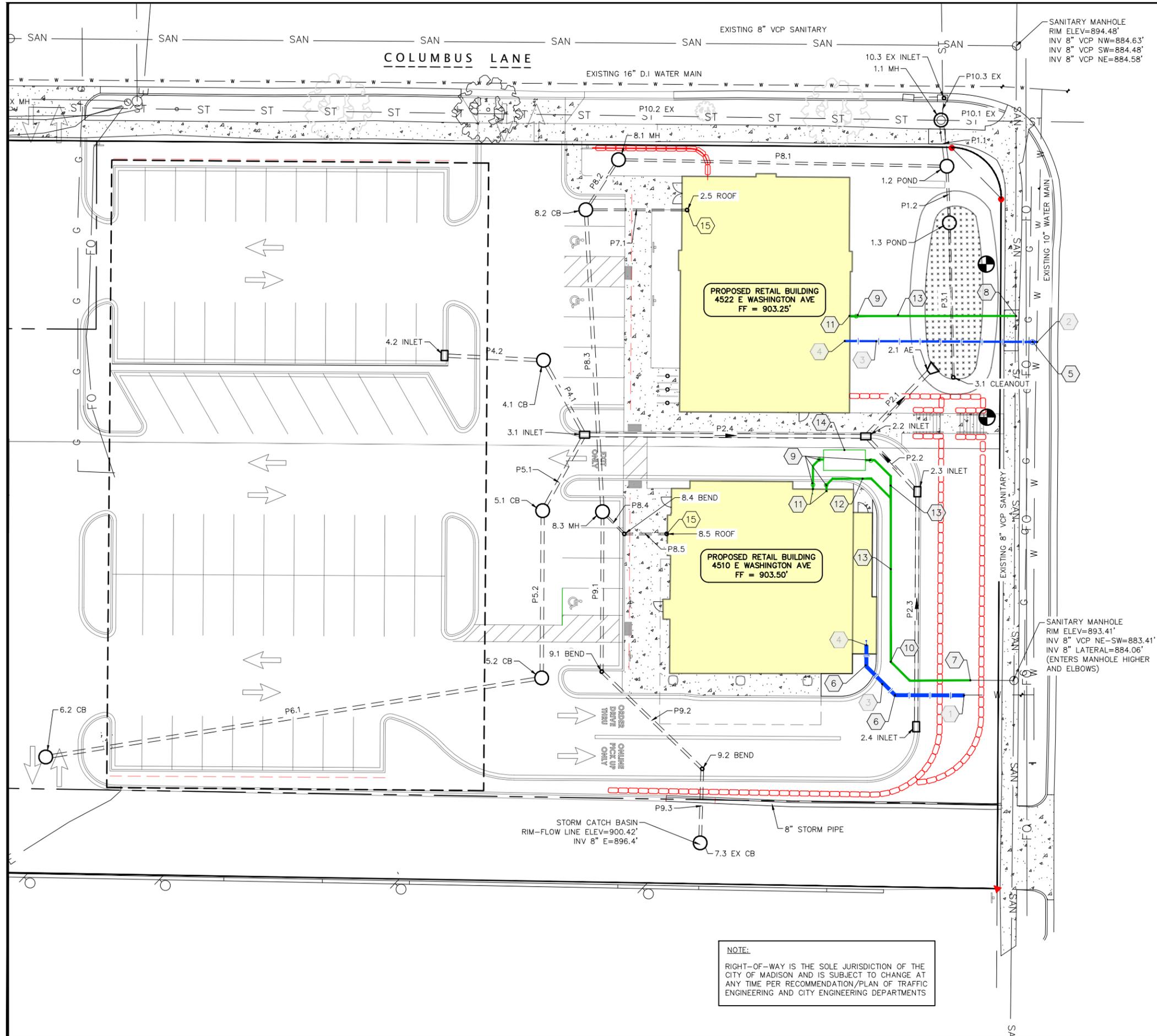
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CAFE ZUPAS
EROSION CONTROL PLAN
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C304



UTILITY NOTES

- A. CONTRACTOR SHALL CALL DIGGERS HOTLINE PRIOR TO ANY CONSTRUCTION.
- B. ALL EXISTING UTILITIES SHOWN ON THE PLAN ARE APPROXIMATE AND WERE FIELD LOCATED FROM GROUND MARKING OR BASED OFF OF PREVIOUS PLANS. THE LOCATIONS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- C. ALL SITE UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS.
- D. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FOR ANY WORK TO BE DONE WITHIN THE RIGHT-OF-WAY.
- E. CONTRACTOR SHALL OBTAIN ALL NECESSARY PLUGGING/CONNECTION PERMITS FROM THE CITY OF MADISON PRIOR TO ANY UTILITY WORK. CONTRACTOR TO NOTIFY THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
- F. RESTORATION OF PAVEMENT, CURB & GUTTER, AND SIDEWALK WITHIN THE STREET RIGHT OF WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE UNDERGROUND IMPROVEMENTS.
- G. ALL STORM SEWER PIPE TO BE ADS N-12 OR SDR-35 PIPE AS NOTED ON THE STORM SEWER SCHEDULE. ALL BRANCH CONNECTIONS TO BE WYES WITH 45 DEGREE BENDS.
- H. CONTRACTOR SHALL CONFIRM CONNECTION ELEVATION GRADES OF ALL PIPES PRIOR TO BEGINNING CONSTRUCTION.
- I. ALL WATER MAIN 4" AND LARGER SHALL BE DUCTILE IRON. FITTINGS TO HAVE MEGA-LUG CONNECTIONS. WATER SERVICES 2" AND SMALLER SHALL BE TYPE K, COPPER.
- J. SANITARY SEWER MAIN AND SERVICES SHALL BE SDR-35 PVC. MANHOLES TO BE PRECAST WITH RUBBER BOOTS.
- K. ANY PERSON WHO INSTALLS A NONCONDUCTIVE WATER OR SEWER LATERAL MUST ALSO INSTALL A LOCATION WIRE OR OTHER EQUALLY EFFECTIVE MEANS FOR MARKING THE LOCATION OF THE LATERAL. METHOD SHALL BE APPROVED BY THE CITY.
- L. CONTRACTOR TO COORDINATE NEW, RELOCATED AND/OR ABANDONED GAS, ELECTRIC, TELEPHONE, AND CABLE WITH APPROPRIATE UTILITY COMPANIES.
- M. UTILITIES SERVING PROPOSED BUILDINGS SHALL BE STUBBED WITHIN 5' OF THE PROPOSED BUILDING(S) AND STAKED.
- N. ALL WATER MAIN PIPE AND FITTINGS SHALL BE INSTALLED TO A MIN. DEPTH OF COVER OF 6.5'. AFTER REGRADING, EXISTING WATER MAIN PIPE WHICH DOES NOT MEET THIS REQUIREMENT SHALL BE INSULATED.
- O. STORM SEWERS WHICH CROSS AN ACTIVE SEWER OR WATER MAIN OR LATERAL SHALL HAVE A MINIMUM CLEAR VERTICAL CLEARANCE OF THREE (3) FEET. CROSSINGS WITH LESSER VERTICAL CLEARANCE SHALL BE PROTECTED FROM FROST DAMAGE BY PLACEMENT OF 2-INCH THICK POLYSTYRENE BOARD INSULATION.
- P. BUILDING PLUMBER SHALL VERIFY SIZE, SLOPE, AND EXACT LOCATION OF PROPOSED SANITARY LATERALS AND WATER SERVICES PRIOR TO INSTALLATION.
- Q. CLEANOUTS WILL REQUIRE FROST SLEEVES.
- R. CONTRACTOR RESPONSIBLE FOR TRAFFIC CONTROL FOR WORK IN THE RIGHT-OF-WAY

PLAN KEY

- ① CONNECT TO EXISTING 2" WATER LATERAL PER CITY STANDARDS
- ② CONNECT TO EXISTING 10" WATER MAIN PER CITY STANDARDS
- ③ 2" WATER SERVICE
- ④ CONNECT TO BUILDING WATER SERVICE, SEE PLUMBING PLANS
- ⑤ CURB STOP
- ⑥ WATER BEND
- ⑦ CONNECT TO EXISTING 6" SANITARY LATERAL
- ⑧ CONNECT TO EXISTING 8" VCP SANITARY MAIN
- ⑨ SANITARY CLEANOUT, TYPICAL
- ⑩ SANITARY BEND, TYPICAL
- ⑪ CONNECT TO SANITARY BUILDING SEWER, SEE PLUMBING PLANS
- ⑫ 4" SANITARY SEWER AT 2% SLOPE MIN.
- ⑬ 6" SANITARY SEWER AT 2% SLOPE MIN.
- ⑭ EXTERIOR GREASE INTERCEPTOR SIZED AND VENTED TO COMPLY WITH LOCAL CODES, WITH NO LESS A 1500-GALLON CAPACITY. ALL GREASE LINES ARE TO BE TIED INTO THE SANITARY LINE FROM THE GREASE INTERCEPTOR.
- ⑮ CONNECT TO INTERIOR ROOF DRAIN WITH 8" STORM SEWER

NOTE:
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**CAFE ZUPAS
UTILITY PLAN**
4510 & 4522 E WASHINGTON AVE
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C400

STRUCTURE TABLE					
STRUCTURE NAME	SIZE	TOP OF CASTING	PIPES IN	PIPES OUT	CASTING
1.1 MH	5-FT DIA.	891.03	P1.1, 15" INV IN =889.59 P10.2 EX, 24" INV IN =890.02 P10.3 EX, 12" INV IN =891.30	P10.1 EX, 27" INV OUT =889.10	REUSE EXISTING CASTING
1.2 POND	4-FT DIA.	894.55	P1.2, 8" INV IN =889.73 P8.1, 8" INV IN =891.60	P1.1, 15" INV OUT =889.73	HAALA #CG36TM
1.3 POND	3-FT DIA.	892.70	P3.1, 6" INV IN =889.97	P1.2, 8" INV OUT =889.90	HAALA #CG36TM
2.1 AE	APRON ENDWALL	893.95	P2.1, 15" INV IN =892.70		
2.2 INLET	4-FT DIA.	902.50	P2.2, 12" INV IN =897.00 P2.4, 15" INV IN =897.60	P2.1, 15" INV OUT =893.31	NEENAH R-3067
2.3 INLET	2X3-FT	902.64	P2.3, 12" INV IN =897.00	P2.2, 12" INV OUT =897.49	NEENAH R-3067
2.4 INLET	2X3-FT	901.64		P2.3, 12" INV OUT =898.62	NEENAH R-3067
2.5 ROOF	CONNECT TO ROOF DRAIN	903.25		P7.1, 6" INV OUT =897.64	
3.1 CLEANOUT	CLEANOUT	892.70		P3.1, 6" INV OUT =890.20	
3.1 INLET	2X3-FT	902.13	P4.1, 12" INV IN =898.55 P5.1, 12" INV IN =898.55	P2.4, 15" INV OUT =898.55	NEENAH R-3067
4.1 CB	4-FT DIA.	901.93	P4.2, 12" INV IN =898.82	P4.1, 12" INV OUT =898.81	NEENAH R-2050
4.2 INLET	2X3-FT	903.30		P4.2, 12" INV OUT =899.12	NEENAH R-3067
5.1 CB	4-FT DIA.	902.25	P5.2, 12" INV IN =898.80	P5.1, 12" INV OUT =898.80	NEENAH R-2050
5.2 CB	4-FT DIA.	902.23	P6.1, 12" INV IN =899.30	P5.2, 12" INV OUT =899.30	NEENAH R-2050
6.2 CB	4-FT DIA.	905.48		P6.1, 12" INV OUT =900.90	NEENAH R-2050
7.3 EX CB	EXISTING	897.61		P9.3, 10" INV OUT =896.40	
8.1 MH	4-FT DIA.	902.02	P8.2, 8" INV IN =895.39	P8.1, 8" INV OUT =895.39	NEENAH R-1550
8.2 CB	4-FT DIA.	902.29	P8.3, 12" INV IN =895.48 P7.1, 6" INV IN =897.00	P8.2, 8" INV OUT =895.48	NEENAH R-2050
8.3 MH	4-FT DIA.	902.70	P9.1, 10" INV IN =896.05 P8.4, 6" INV IN =895.90	P8.3, 12" INV OUT =895.90	NEENAH R-1550
8.4 BEND	BEND	903.30	P8.5, 6" INV IN =895.99	P8.4, 6" INV OUT =895.99	
8.5 ROOF	CONNECT TO ROOF DRAIN	903.50		P8.5, 6" INV OUT =896.05	
9.1 BEND	BEND	903.15	P9.2, 10" INV IN =896.03	P9.1, 10" INV OUT =896.29	
9.2 BEND	BEND	902.39	P9.3, 10" INV IN =896.29	P9.2, 10" INV OUT =896.29	
10.1 EX MH	EXISTING	909.95		P10.2 EX, 24" INV OUT =907.70	
10.2 EX MH	EXISTING	886.92	P10.1 EX, 27" INV IN =884.40		
10.3 EX INLET	EXISTING	892.77		P10.3 EX, 12" INV OUT =891.60	

*TOP OF CASTING IS FLOW LINE FOR CURB INLETS, RIM FOR CATCH BASINS AND YARD DRAINS, AND GROUND SURFACE FOR OTHERS.

PIPE TABLE						
NAME	SIZE	LENGTH	SLOPE	MATERIAL	START INVERT ELEVATION	END INVERT ELEVATION
P1.1	15"	14'	1.00%	ADS N-12	889.73'	889.59'
P1.2	8"	17'	1.00%	ADS N-12	889.90'	889.73'
P2.1	15"	27'	2.29%	ADS N-12	893.31'	892.70'
P2.2	12"	23'	2.17%	ADS N-12	897.49'	897.00'
P2.3	12"	70'	2.33%	ADS N-12	898.62'	897.00'
P2.4	15"	84'	1.13%	ADS N-12	898.55'	897.60'
P3.1	6"	46'	0.51%	PERFORATED DRAINTILE	890.20'	889.97'
P4.1	12"	26'	1.04%	ADS N-12	898.81'	898.55'
P4.2	12"	30'	1.00%	ADS N-12	899.12'	898.82'
P5.1	12"	26'	0.97%	ADS N-12	898.80'	898.55'
P5.2	12"	50'	1.01%	ADS N-12	899.30'	898.80'
P6.1	12"	150'	1.07%	ADS N-12	900.90'	899.30'
P7.1	6"	31'	2.11%	ADS N-12	897.64'	897.00'
P8.1	8"	98'	3.87%	ADS N-12	895.39'	891.60'
P8.2	8"	18'	0.52%	ADS N-12	895.48'	895.39'
P8.3	12"	90'	0.46%	ADS N-12	895.90'	895.48'
P8.4	6"	10'	1.02%	ADS N-12	895.99'	895.90'
P8.5	6"	13'	0.50%	ADS N-12	896.05'	895.99'
P9.1	10"	48'	0.50%	ADS N-12	896.29'	896.05'
P9.2	10"	42'	0.61%	ADS N-12	896.29'	896.03'
P9.3	10"	23'	0.50%	ADS N-12	896.40'	896.29'
P10.1 EX	27"	72'	6.59%	Reinforced Concrete Pipe	889.10'	884.40'
P10.2 EX	24"	286'	6.20%	RCP	907.70'	890.02'
P10.3 EX	12"	7'	4.56%	RCP	891.60'	891.30'

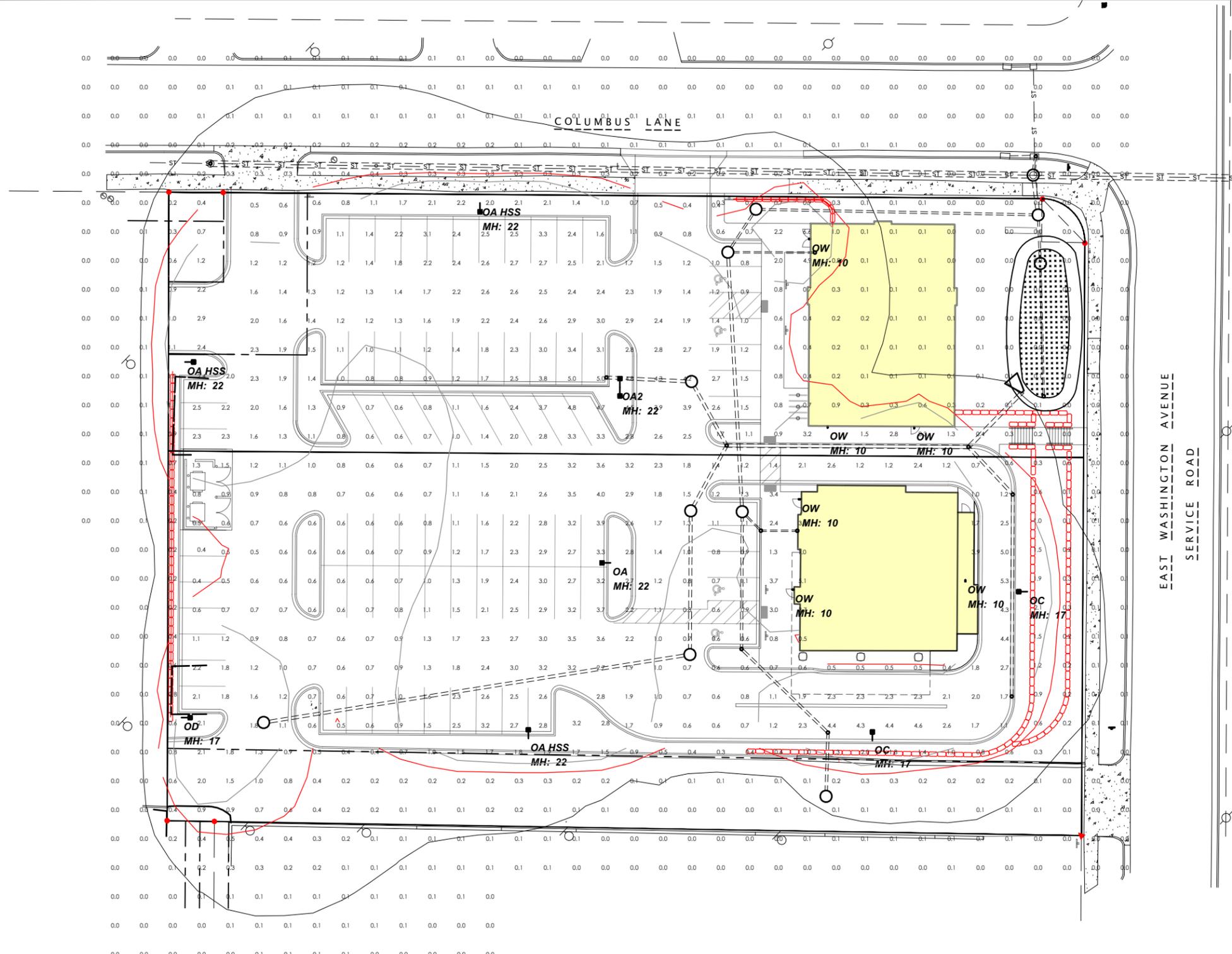
ISSUANCE/REVISION	DATE
SITE PLAN REVIEW	11-28-22

818 N Meadowbrook Ln
Waunakee, WI 53597
phone (608) 849-9378
www.pe-wi.com

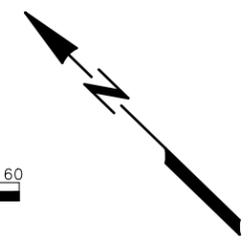
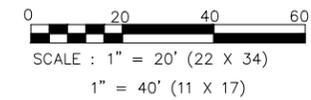


**CAFE ZUPAS
STORM SEWER SCHEDULE**
4510 & 4522 E WASHINGTON AVE
MADISON, WISCONSIN

C401



1. Standard Reflectance of 80/50/20 unless noted otherwise
2. Not a Construction Document, for Design purposes only
3. Standard indoor calc points @ 30" A.F.F. unless noted otherwise
4. Standard outdoor calc points @ Grade unless noted otherwise
5. Egress calc points @ 0" A.F.F.
6. Mazgar Associates assumes no responsibility for installed light levels due to field conditions, etc.



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
PARKING AND DRIVEWAY	Illuminance	Fc	1.76	5.3	0.4	4.40	13.25
SITE	Illuminance	Fc	.30	8.3	0.0	N/A	N/A

Luminaire Schedule								
Symbol	Qty	Label	Manufacturer	Description	Arrangement	Lum. Lumens	Lum. Watts	LLF
□	1	OA	LUMARK	PRV-C25-D-UNV-T4-BZ	Single	13140	96	0.900
□	3	OA HSS	LUMARK	PRV-C25-D-UNV-T4-BZ-HSS	Single	11933	96	0.900
□	1	OA2	LUMARK	PRV-C25-D-UNV-T4-BZ	Back-Back	13140	96	0.900
□	2	OC	LUMARK	PRV-C15-D-UNV-T2-BZ	Single	7123	52	0.900
□	1	OD	LUMARK	PRV-C15-D-UNV-T4-BZ-HSS	Single	6437	52	0.900
□	6	OW	LUMARK	XTOR2B-W	Single	2103	18.2	0.900

ISSUANCE/REVISION	DATE
SITE PLAN REVIEW	11-28-22

818 N Meadowbrook Ln
Waukegan, WI 53597
phone (608) 849-9378
www.pe-wi.com

PROFESSIONAL ENGINEERING LLC

U.S.H. 151

CAFE ZUPAS LIGHTING PLAN
4510 & 4522 E WASHINGTON AVE
MADISON, WISCONSIN

E101

Project		Catalog #		Type	
Prepared by		Notes		Date	



Lumark

Prevail LED

Area / Site Luminaire

Product Features



Interactive Menu

- Ordering Information [page 2](#)
- Mounting Details [page 3](#)
- Optical Configurations [page 4](#)
- Product Specifications [page 4](#)
- Energy and Performance Data [page 5](#)
- Control Options [page 6](#)

Product Certifications



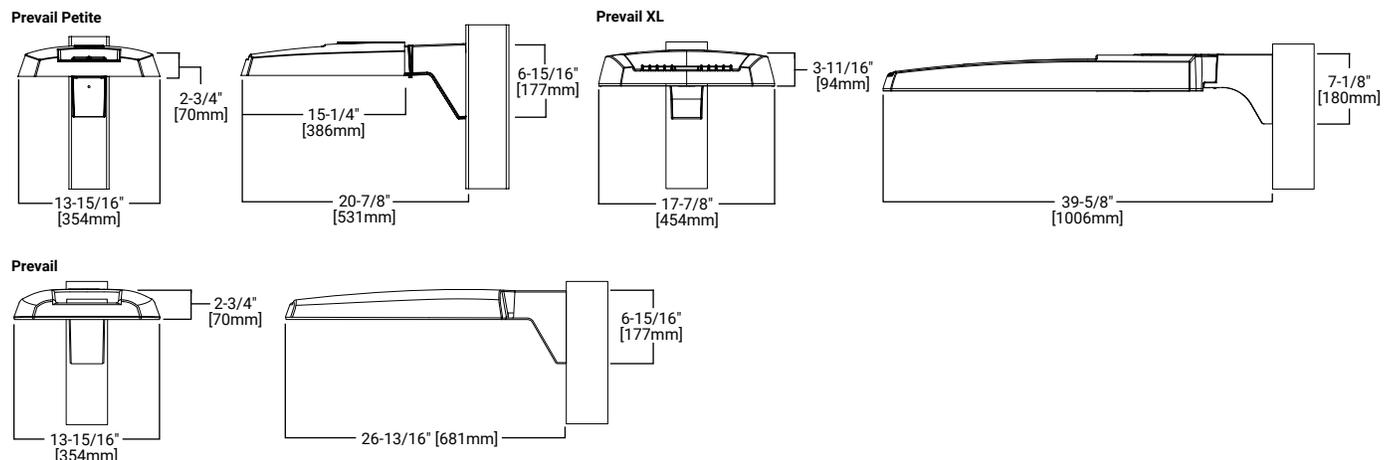
Quick Facts

- Lumen packages range from 4,800 - 52,300 lumens (35W - 350W)
- Replaces 70W up to 1,000W HID equivalents
- Efficacies up to 160 lumens per watt
- Energy and maintenance savings up to 85% versus HID solutions
- Standard universal quick mount arm with universal drill pattern

Connected Systems

- WaveLinX

Dimensional Details



NOTES:
 1. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
 2. IDA Certified for 3000K CCT and warmer only.

Ordering Information

SAMPLE NUMBER: PRV-XL-C75-D-UNV-T4-SA-BZ

Product Family ^{1,2}	Light Engine ⁴	Driver	Voltage	Distribution	Mounting	Color
PRV-P =Prevail Petite BAA-PRV-P =Prevail Petite BAA Compliant ³ TAA-PRV-P =Prevail Petite TAA Compliant ³	C10 =(1 LED) 4,900 Nominal Lumens C15 =(1 LED) 6,900 Nominal Lumens C20 =(1 LED) 9,800 Nominal Lumens C25 =(1 LED) 11,800 Nominal Lumens	D =Dimming (0-10V)	UNV =Universal (120-277V) 347 =347V 480 =480V ⁵ DV =DuraVolt (277-480V) ^{5,6}	T2 =Type II T3 =Type III T4 =Type IV T5 =Type V	SA =Standard Versatile Arm MA =Mast Arm WM =Wall Mount Arm ADJA =Adjustable Arm - Pole Mount ADJS =Adjustable Arm - Slipfitter, 3in vertical tenon ADJA-WM =Adjustable Arm - Wall Mount	BZ =Bronze AP =Grey BK =Black DP =Dark Platinum GM =Graphite Metallic WH =White
PRV =Prevail BAA-PRV =Prevail BAA Compliant ³ TAA-PRV =Prevail TAA Compliant ³	C15 =(1 LED) 7,100 Nominal Lumens C25 =(2 LEDs) 13,100 Nominal Lumens C40 =(2 LEDs) 17,100 Nominal Lumens C60 =(2 LEDs) 20,000 Nominal Lumens					
PRV-XL =Prevail XL BAA-PRV-XL =Prevail XL BAA Compliant ³ TAA-PRV-XL =Prevail XL TAA Compliant ³	C75 =(4 LED) 26,100 Nominal Lumens C100 =(4 LED) 31,000 Nominal Lumens C125 =(4 LED) 36,000 Nominal Lumens C150 =(6 LED) 41,100 Nominal Lumens C175 =(6 LED) 48,600 Nominal Lumens					
Options (Add as Suffix)			Accessories (Order Separately) ^{20,21}			
7030 =70 CRI / 3000K CCT ⁷ 7050 =70 CRI / 5000K CCT ⁷ HSS =House Side Shield ⁸ L90 =Optics Rotated 90° Left R90 =Optics Rotated 90° Right 10K =10kV UL 1449 Fused Surge Protective Device 20MSP =20kV MOV Surge Protective Device 20K =Series 20kV UL 1449 Surge Protective Device HA =50°C High Ambient Temperature ⁹ CC =Coastal Construction ¹⁰ PER =NEMA 3-PIN Twistlock Photocontrol Receptacle ¹¹ PER7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹¹ MS/DIM-L08 =Dimming Motion and Daylight Sensor, IR Remote Programmable, < 8' Mounting ^{12,13} MS/DIM-L20 =Dimming Motion and Daylight Sensor, IR Remote Programmable, 8' - 20' Mounting ^{12,13} MS/DIM-L40 =Dimming Motion and Daylight Sensor, IR Remote Programmable, 21' - 40' Mounting ^{12,13}			SPB1 =Dimming Motion and Daylight Sensor, Bluetooth Programmable, < 8' Mounting ^{12,14} SPB2 =Dimming Motion and Daylight Sensor, Bluetooth Programmable, 8' - 20' Mounting ^{12,14} SPB4 =Dimming Motion and Daylight Sensor, Bluetooth Programmable, 21' - 40' Mounting ^{12,14} ZW =Wavelinx-enabled 4-PIN Twistlock Receptacle ¹² ZD =SR Driver-enabled 4-PIN Twistlock Receptacle ¹² ZW-SWPD4XX =WaveLinx, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{12,15,16,17} ZW-SWPD5XX =WaveLinx, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{12,15,16,17} ZD-SWPD4XX =WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 7' - 15' Mounting ^{12,15,16,17} ZD-SWPD5XX =WaveLinx, SR Driver, Dimming Motion and Daylight, WAC Programmable, 15' - 40' Mounting ^{12,15,16,17} (See Table Below) =LumenSafe Integrated Network Security Camera ^{14,19}			
NOTES: 1. DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details. 2. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to installation instructions IB500002EN and pole white paper WP513001EN for additional support information. 3. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 4. Standard 4000K CCT and 70CRI. 5. 480V not to be used with ungrounded or impedance grounded systems. 6. DuraVolt drivers feature added protection from power quality issues such as loss of neutral, transients and voltage fluctuations. Visit www.signify.com/duravolt for more information. 7. Use dedicated IES files on product website for non-standard CCTs. 8. House Side Shield not suitable with T5 distribution. Not available with PRV-C60 lumen package. 9. Not available with PRV-C60 lumen package. Not available with PRV-P-C25 lumen package. 10. Salt spray tested to over 5,000-hours per ASTM B117 with a scribe rating of 9 per ASTM D1654. Also achieves 7,000-hour rating per ASTM B117 with a scribe rating of 4 per ASTM D1654. Extended lead times may apply. 11. If DuraVolt (DV) is specified, use a photocontrol that matches the input voltage used. 12. Controls system is not available in combination with a photocontrol receptacle (PER or PER7) or another controls system (MS, SPB, ZD, or ZW). Option not available with DuraVolt (DV) voltage option. 13. Utilizes the Wattstopper sensor FSP-211. Sensor color white unless specified otherwise via PDR. To field-configure, order FSIR-100 accessory separately. 14. Utilizes the Wattstopper sensor FSP-3XX series. Sensor color determined by product finish. See Sensor Color Reference Table. Field-configures via mobile application. See Controls section for details. 15. Sensor passive infrared (PIR) may be overly sensitive when operating below -20°C (-4°F). 16. For the device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more Wavelinx application information. 17. Replace XX with sensor color (WH, BZ, or BK). 18. Only available in PRV-XL configurations C75, C100, C125, C150, or C175. 19. Not available with 347V, 480V, DV, or HA options. Consult LumenSafe system product pages for additional details and compatibility information. 20. Replace XX with paint color. 21. For BAA or TAA requirements, Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 22. Only for use with PRV and PRV-P. 23. Only for use with PRV. Not available for use with PRV-P or PRV-XL configurations. 24. Must order one per optic/LED when ordering as a field-installable accessory (1, 2, 4, or 6). 25. This tool enables adjustment to Motion Sensor (MS) parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative for more information. 26. Requires 4-PIN twistlock receptacle (ZD or ZW) option. 27. Requires 7-PIN NEMA twistlock photocontrol receptacle (PER7) option. The WOLC-7 cannot be used in conjunction with other controls systems (MS, ZD, ZW or LWR). Operates on 120-347V input voltages.						

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

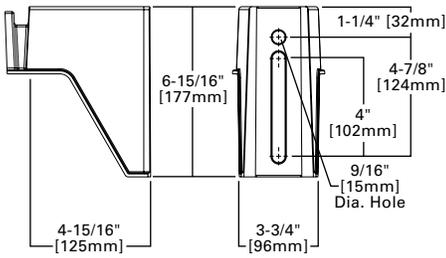
Product Family	Camera Type	Data Backhaul		
L =LumenSafe Technology 	H =Dome Camera, High Res Z =Dome Camera, Remote PTZ	C =Cellular, Customer Installed SIM Card A =Cellular, Factory Installed AT&T SIM Card	V =Cellular, Factory Installed Verizon SIM Card S =Cellular, Factory Installed Sprint SIM Card	E =Ethernet Networking

Stock Ordering Information

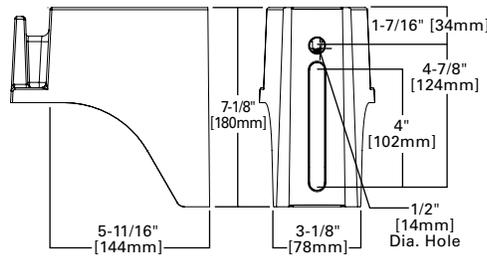
Product Family ¹	Light Engine	Voltage	Distribution
PRVS =Prevail	C15 =(1 LED) 7,100 Nominal Lumens C25 =(2 LEDs) 13,100 Nominal Lumens C40 =(2 LEDs) 17,100 Nominal Lumens C60 =(2 LEDs) 20,000 Nominal Lumens	UNV =Universal (120-277V) 347 =347V ²	T3 =Type III T4 =Type IV
PRVS-XL =Prevail XL	C75 =(4 LED) 26,100 Nominal Lumens C100 =(4 LED) 31,000 Nominal Lumens C125 =(4 LED) 36,000 Nominal Lumens C150 =(6 LED) 41,100 Nominal Lumens C175 =(6 LED) 48,600 Nominal Lumens		
NOTES: 1. All stock configurations are standard 4000K/70CRI, bronze finish, and include the standard versatile mounting arm. 2. Only available in PRVS configurations C15, C25, C40 or C60.			

Mounting Details

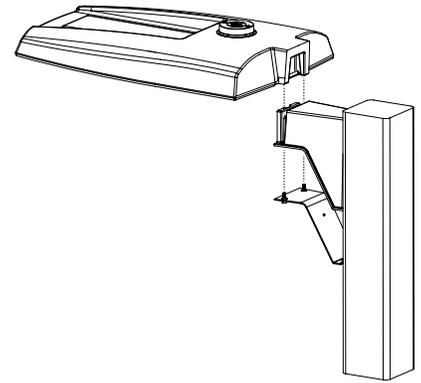
Pole Mount Arm (PRV & PRV-P)



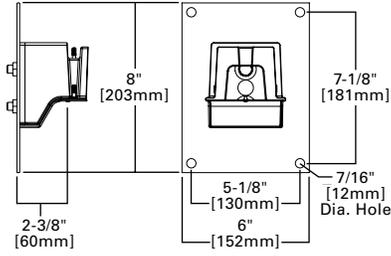
Pole Mount Arm (PRV-XL)



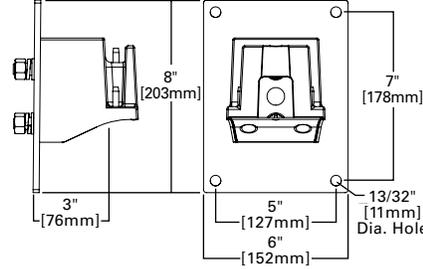
Versatile Mount System



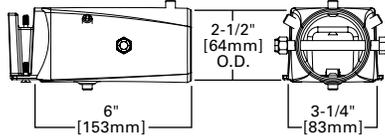
Wall Mount (PRV & PRV-P)



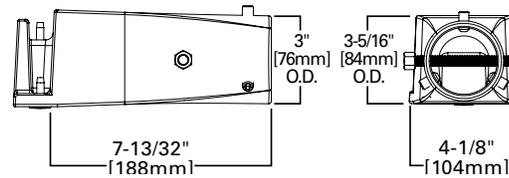
Wall Mount (PRV-XL)



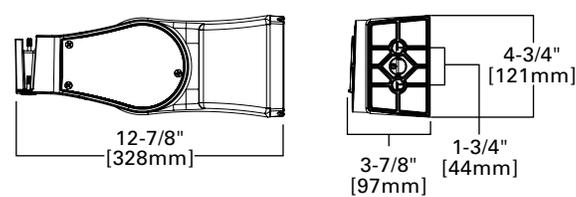
Mast Arm Mount (PRV & PRV-P)



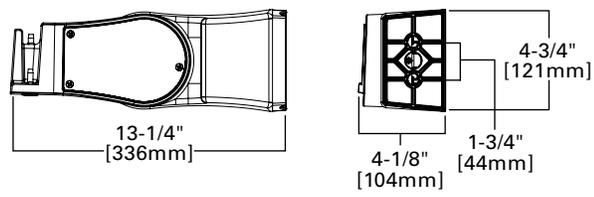
Mast Arm Mount (PRV-XL)



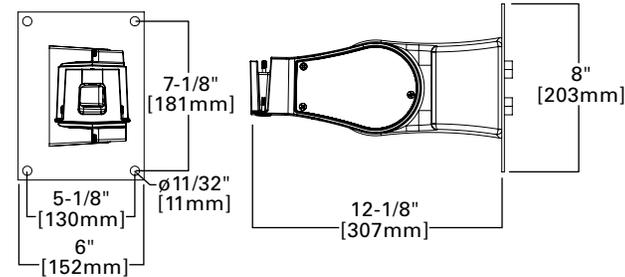
Adjustable Pole Mount Arm (PRV & PRV-P)



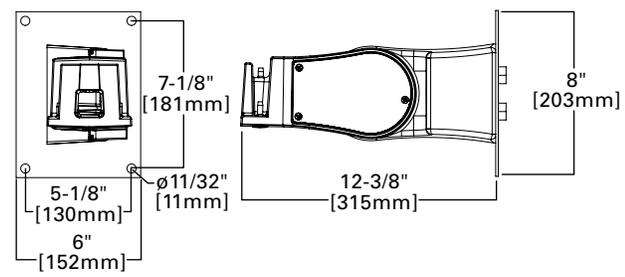
Adjustable Pole Mount Arm (PRV-XL)



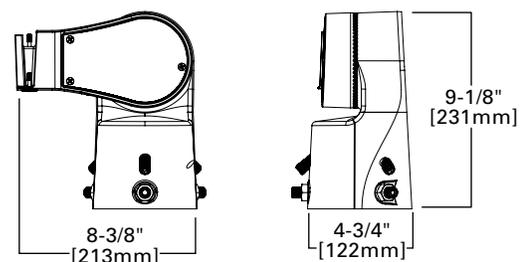
Adjustable Wall Mount (PRV & PRV-P)



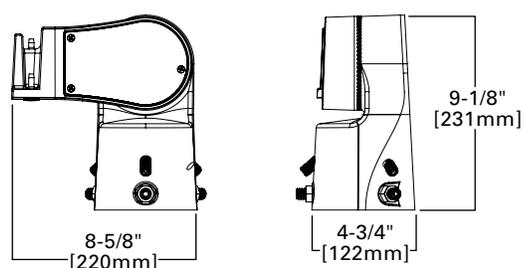
Adjustable Wall Mount (PRV-XL)



Adjustable Slipfitter (PRV & PRV-P)



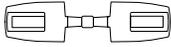
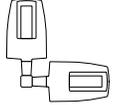
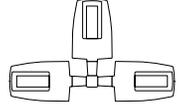
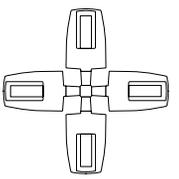
Adjustable Slipfitter (PRV-XL)



Mounting Details

Mounting Configurations and EPAs

NOTE: For 2 PRV's mounted at 90°, requires minimum 3" square or 4" round pole for fixture clearance. For 2 PRV-XL's mounted at 90°, requires minimum 4" square or round pole for fixture clearance. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for applications.

						
Housing Size	Tilt Angle (Degrees)	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
Prevail Petite	0°	0.54	1.08	0.84	1.38	1.38
	60°	1.68	1.85	2.42	3.15	3.30
Prevail	0°	0.92	1.35	1.42	1.63	1.63
	60°	2.20	2.40	3.05	3.88	4.07
	60° + Full Drop Visor	2.20	2.40	3.25	4.28	4.47
Prevail XL	0°	1.12	2.25	2.13	2.52	2.52
	60°	3.99	4.30	5.26	6.51	6.79
	60° + Full Drop Visor	3.99	4.30	5.59	7.17	7.49

Optical Configurations

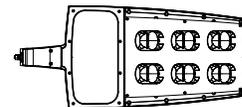
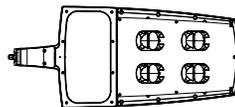
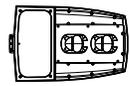
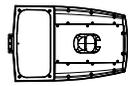
PRV-P-C10/C15/C20/C25
(4,900/6,900/9,800/11,800 Nominal Lumens)

PRV-C15
(7,100 Nominal Lumens)

PRV-C25/C40/C60
(13,100/17,100/20,000 Nominal Lumens)

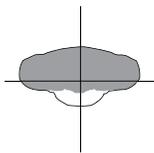
PRV-XL-C75/C100/C125
(26,100/31,000/36,300 Nominal Lumens)

PRV-XL-C150/C175
(41,100/48,600 Nominal Lumens)

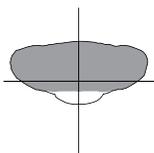


Optical Distributions

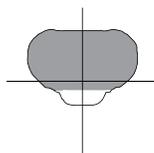
T2
(Type II)



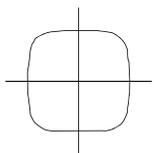
T3
(Type III)



T4
(Type IV)



T5
(Type V)



 = Distribution with House Side Shield (HSS)
 = Optical Distribution

Product Specifications

Construction

- Single-piece die-cast aluminum housing
- Tethered die-cast aluminum door

Optics

- Dark Sky Approved (3000K CCT and warmer only)
- Precision molded polycarbonate optics

Electrical

- -40°C minimum operating temperature
- 40°C maximum operating temperature
- >.9 power factor
- <20% total harmonic distortion
- Class 1 electronic drivers have expected life of 100,000 hours with <1% failure rate
- 0-10V dimming driver is standard with leads external to the fixture
- Standard MOV surge protective device designed to withstand 10kV of transient line surge

Mounting

- Versatile, patented, standard mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8" (Type M drilling recommended for new installations)
- A knock-out on the standard mounting arm enables round pole mounting
- Adjustable pole and wall mount arms adjust in 5° increments from 0° to 60°; Downward facing orientation only (Type N drilling required for ADJA mount)
- Adjustable slipfitter arm adjusts in 5° increments from -5° to 85°; Downward facing orientation only
- Adjustable Arms: 1.5G vibration rated
- Prevail and Prevail Petite: 3G vibration rated
- Prevail XL Mast Arm: 3G vibration rated
- Prevail XL Standard Arm: 1.5G vibration rated

Typical Applications

- Parking lots, Walkways, Roadways and Building Areas

Finish

- Five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness
- Finish is compliant to 3,000 hour salt spray standard (per ASTM B117)

Shipping Data

- Prevail Petite: 18 lbs. (7.94 kgs.)
- Prevail: 20 lbs. (9.09 kgs.)
- Prevail XL: 45 lbs. (20.41 kgs.)

Warranty

- Five year limited warranty, consult website for details. www.cooperlighting.com/legal

Energy and Performance Data

[View PRV-P IES files](#)
[View PRV IES files](#)
[View PRV-XL IES files](#)

Power and Lumens

Product Family	Prevail Petite				Prevail				Prevail XL					
Light Engine	C10	C15	C20	C25	C15	C25	C40	C60	C75	C100	C125	C150	C175	
Power (Watts)	35	49	73	94	52	96	131	153	176	217	264	285	346	
Input Current @ 120V (A)	0.29	0.41	0.61	0.79	0.43	0.80	1.09	1.32	1.50	1.84	2.21	2.38	2.92	
Input Current @ 277V (A)	0.13	0.18	0.27	0.35	0.19	0.35	0.48	0.57	0.66	0.82	0.97	1.04	1.25	
Input Current @ 347V (A)	0.11	0.16	0.23	0.29	0.17	0.30	0.41	0.48	0.54	0.66	0.79	0.84	1.02	
Input Current @ 480V (A)	0.08	0.12	0.17	0.22	0.12	0.22	0.30	0.35	0.40	0.48	0.57	0.62	0.74	
Distribution ¹														
Type II	4000K Lumens	4,775	6,717	9,542	11,521	7,123	13,205	17,172	20,083	26,263	31,231	36,503	41,349	48,876
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G5
	Lumens per Watt	138	137	131	122	137	138	131	131	149	144	138	145	141
	3000K Lumens ¹	4,869	6,595	9,369	11,312	6,994	12,965	16,860	19,718	25,786	30,664	35,840	40,598	47,989
Type III	4000K Lumens	4,782	6,727	9,556	11,538	7,111	13,183	17,144	20,050	26,120	31,061	36,304	41,124	48,610
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5
	Lumens per Watt	138	137	131	123	137	137	131	131	148	143	138	144	140
	3000K Lumens ¹	4,695	6,605	9,383	11,329	6,982	12,944	16,832	19,686	25,646	30,497	35,645	40,377	47,727
Type IV	4000K Lumens	4,880	6,865	9,752	11,774	7,088	13,140	17,087	19,984	26,098	31,035	36,274	41,089	48,569
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B3-U0-G5	B4-U0-G5
	Lumens per Watt	141	140	134	125	136	137	130	131	148	143	137	144	140
	3000K Lumens ¹	4,792	6,740	9,575	11,561	6,959	12,901	16,777	19,621	25,624	30,471	35,615	40,343	47,687
Type V	4000K Lumens	5,067	7,128	10,126	12,226	7,576	14,045	18,264	21,360	28,129	33,450	39,097	44,287	52,349
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G3	B4-U0-G3	B3-U0-G3	B4-U0-G3	B4-U0-G4	B5-U0-G4	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5	B5-U0-G5
	Lumens per Watt	146	145	139	130	146	146	139	140	160	154	148	155	151
	3000K Lumens ¹	4,975	6,999	9,942	12,004	7,438	13,790	17,932	20,972	27,618	32,843	38,387	43,483	51,398

NOTES:
 1. For 3000K, 5000K or HSS data, refer to published IES files.

Lumen Maintenance

Configuration	TM-21 Lumen Maintenance (50,000 Hours)	Theoretical L70 (Hours)
Prevail and Prevail Petite at 25°C	91.30%	> 194,000
Prevail and Prevail Petite at 40°C	87.59%	> 134,000
Prevail XL at 25°C	91.40%	> 204,000
Prevail XL at 40°C	89.41%	> 158,000

Sensor Color Reference Table (SPBx)

Housing Finish	Sensor Color
AP =Grey	Grey
BZ =Bronze	Bronze
BK =Black	Black
DP =Dark Platinum	Grey
GM =Graphite Metallic	Black
WH =White	White

Lumen Multiplier

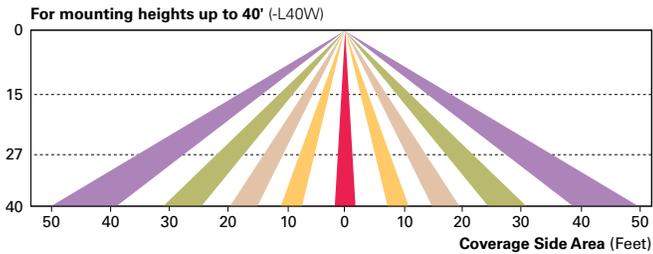
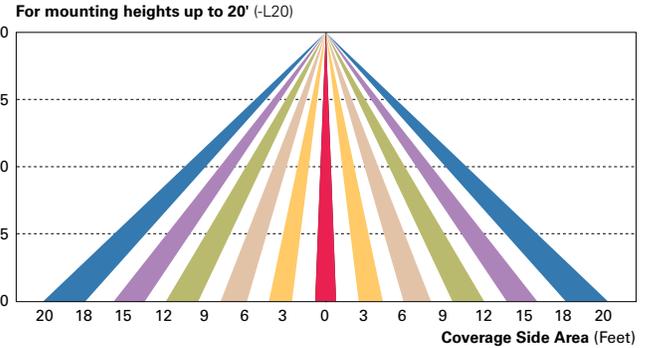
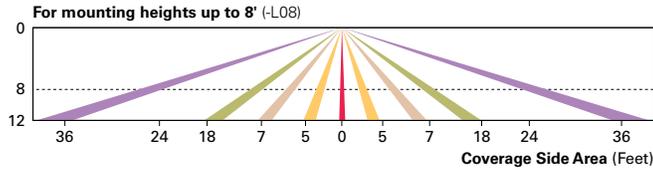
Ambient Temperature	Lumen Multiplier
10°C	1.02
15°C	1.01
25°C	1.00
40°C	0.99

Control Options

0-10V This fixture provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7) Photocontrol receptacles provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-PIN standards can be utilized with the PER7 receptacle.

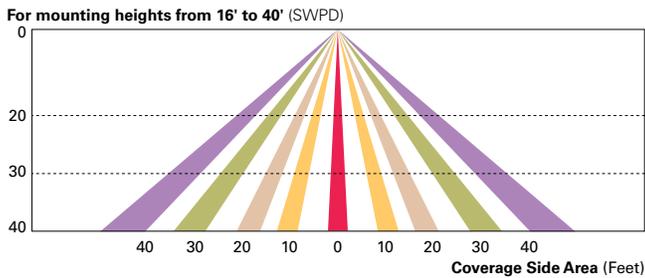
Dimming Occupancy Sensor (SPB, MS/DIM-LXX and MS-LXX) These sensors are factory installed in the luminaire housing. When the SPB or MS/DIM sensor options are selected, the luminaire will dim down after five minutes of no activity detected. When activity is detected, the luminaire returns to full light output. When a sensor for ON/OFF operation (MS-LXX) is selected, the luminaire will turn off after five minutes of no activity. These occupancy sensors include an integral photocell for “dusk-to-dawn” control or “daylight harvesting.” Factory default is enabled for the MS sensors and disabled for the SPB. SPB motion sensors require the Sensor Configuration mobile application by Wattstopper to change factory default dimming level, time delay, sensitivity and other parameters. Available for iOS and Android devices. The SPB sensor is factory preset to dim down to approximately 10% power with a time delay of five minutes.



WaveLinX Wireless Control and Monitoring System Available in 7-PIN or 4-PIN configurations, the WaveLinX Outdoor control platform operates on a wireless mesh network based on IEEE 802.15.4 standards enabling wireless control of outdoor lighting. At least one Wireless Area Controller (WAC) is required for full functionality and remote communication (including adjustment of any factory pre-sets).

WaveLinX Outdoor Control Module (WOLC-7P-10A) A photocontrol that enables astronomic or time-based schedules to provide ON, OFF and dimming control of fixtures utilizing a 7-PIN receptacle. The out-of-box functionality is ON at dusk and OFF at dawn.

WaveLinX Wireless Sensor (SWPD4 and SWPD5) These outdoor sensors offer passive infrared (PIR) occupancy sensing and a photocell for closed-loop daylight sensing. These sensors can be factory installed or field-installed via simple, tool-less integration into luminaires equipped with the Zhaga Book 18 compliant 4-PIN receptacle (ZD or ZW). These sensors are factory preset to dim down to approximately 50 percent power after 15 minutes of no activity detected, and the photocell for “dusk-to-dawn” control is default enabled. A variety of sensor lenses are available to optimize the coverage pattern for mounting heights from 7'-40'.



LumenSafe (LD) The LumenSafe integrated network camera is a streamlined, outdoor-ready camera that provides high definition video surveillance. This IP camera solution is optimally designed to integrate into virtually any video management system or security software platform of choice. No additional wiring is needed beyond providing line power to the luminaire. LumenSafe features factory-installed power and networking gear in a variety of networking options allowing security integrators to design the optimal solution for active surveillance.

DESCRIPTION

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

SPECIFICATION FEATURES

Construction

Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 18W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with the supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2" to 4" round and octagonal, 4" square, single gang and masonry junction boxes. Key hole gasket allows for adaptation to junction box or wall. External fin design extracts heat from the fixture surface. One-piece silicone gasket seals door and back box. Minimum 5" wide pole for site lighting application. Not recommended for car wash applications.

Optical

Silicone sealed optical LED chamber incorporates a custom engineered mirrored anodized reflector providing high-efficiency illumination. Optical assembly includes impact-resistant tempered glass and meets IESNA requirements for full cutoff compliance. Available in seven lumen packages; 5000K, 4000K and 3000K CCT.

Electrical

LED driver is mounted to the die-cast housing for optimal heat sinking. LED thermal management system incorporates both conduction and natural convection to transfer heat rapidly away from the LED source. 12W, 18W, 26W and 38W series operate in -40°C to 40°C [-40°F to 104°F]. High ambient 50°C models available. Crosstour luminaires maintain greater than 89% of initial light output after 72,000 hours of operation. Three half-inch NPT threaded conduit entry points allow for thru-branch wiring. Back box is an authorized

Catalog #		Type
Project		
Comments		Date
Prepared by		

electrical wiring compartment.

Integral LED electronic driver is standard 0-10V dimming. 120-277V 50/60Hz or 347V 60Hz models.

Finish

Crosstour is protected with a Super durable TGIC carbon bronze or summit white polyester powder coat paint. Super durable TGIC powder coat paint finishes withstand extreme climate conditions while providing optimal color and gloss retention of the installed life. Options to meet Buy American and other domestic preference requirements.

Warranty

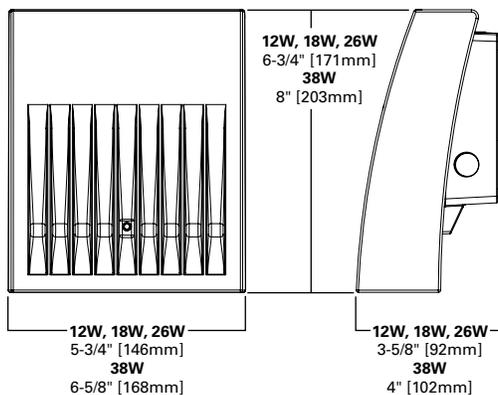
Five-year warranty.



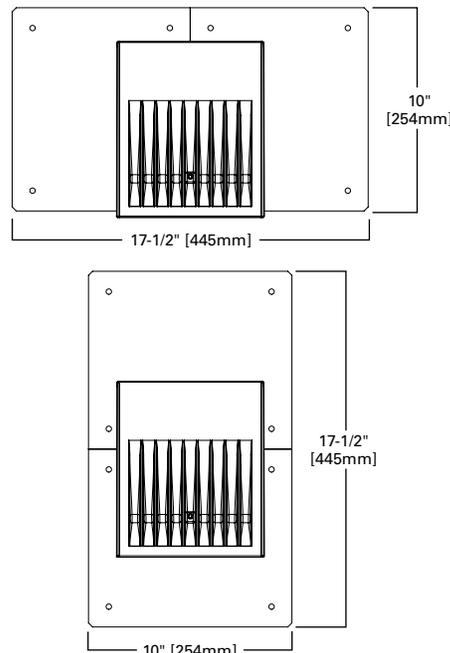
XTOR CROSSTOUR LED

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

DIMENSIONS



ESCUTCHEON PLATES



CERTIFICATION DATA

Dark Sky Approved (Fixed mount, Full cutoff, and 3000K CCT only)
UL/cUL Wet Location Listed
LM79 / LM80 Compliant
ROHS Compliant
ADA Compliant
NOM Compliant Models
IP66 Ingress Protection Rated
Title 24 Compliant
DesignLights Consortium® Qualified*

TECHNICAL DATA

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

EPA

Effective Projected Area (Sq. Ft.):
XTOR1B, XTOR2B, XTOR3B=0.34
XTOR4B=0.45

SHIPPING DATA:

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

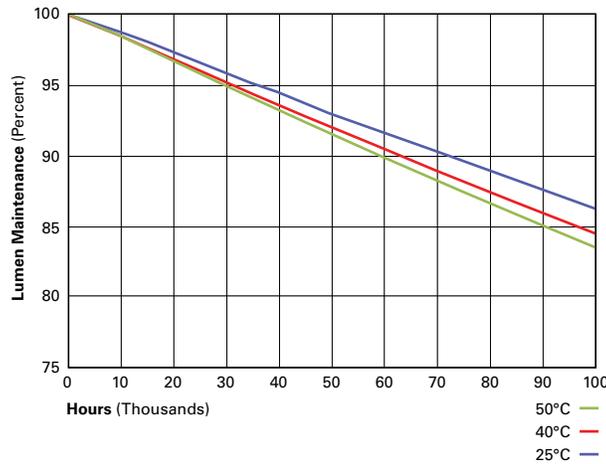
POWER AND LUMENS BY FIXTURE MODEL

LED Information	XTOR1B	XTOR1B-W	XTOR1B-Y	XTOR2B	XTOR2B-W	XTOR2B-Y	XTOR3B	XTOR3B-W	XTOR3B-Y	XTOR4B	XTOR4B-W	XTOR4B-Y
Delivered Lumens (Wall Mount)	1,418	1,396	1,327	2,135	2,103	1,997	2,751	2,710	2,575	4,269	4,205	3,995
Delivered Lumens (With Flood Accessory Kit) ¹	1,005	990	940	1,495	1,472	1,399	2,099	2,068	1,965	3,168	3,121	2,965
B.U.G. Rating ²	B1-U0-G0	B2-U0-G0	B2-U0-G0	B2-U0-G0								
CCT (Kelvin)	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000	5,000	4,000	3,000
CRI (Color Rendering Index)	70	70	70	70	70	70	70	70	70	70	70	70
Power Consumption (Watts)	12W	12W	12W	18W	18W	18W	26W	26W	26W	38W	38W	38W

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

LUMEN MAINTENANCE

Ambient Temperature	TM-21 Lumen Maintenance (72,000 Hours)	Theoretical L70 (Hours)
XTOR1B Model		
25°C	> 90%	255,000
40°C	> 89%	234,000
50°C	> 88%	215,000
XTOR2B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR3B Model		
25°C	> 89%	240,000
40°C	> 88%	212,000
50°C	> 87%	196,000
XTOR4B Model		
25°C	> 89%	222,000
40°C	> 87%	198,000
50°C	> 87%	184,000



CURRENT DRAW

Voltage	Model Series			
	XTOR1B	XTOR2B	XTOR3B	XTOR4B
120V	0.103A	0.15A	0.22A	0.34A
208V	0.060A	0.09A	0.13A	0.17A
240V	0.053A	0.08A	0.11A	0.17A
277V	0.048A	0.07A	0.10A	0.15A
347V	0.039A	0.06A	0.082A	0.12A

ORDERING INFORMATION

Sample Number: XTOR2B-W-WT-PC1

Series ¹	LED Kelvin Color	Housing Color	Options (Add as Suffix)	Accessories (Order Separately) ⁸
XTOR1B =Small Door, 12W XTOR2B =Small Door, 18W XTOR3B =Small Door, 26W XTOR4B =Medium Door, 38W BAA-XTOR1B =Small Door, 12W, Buy American Act Compliant ⁷ TAA-XTOR1B =Small Door, 12W Trade Agreements Act Compliant ⁷ BAA-XTOR2B =Small Door, 18W, Buy American Act Compliant ⁷ TAA-XTOR2B =Small Door, 18W, Trade Agreements Act Compliant ⁷ BAA-XTOR3B =Small Door, 26W, Buy American Act Compliant ⁷ TAA-XTOR3B =Small Door, 26W, Trade Agreements Act Compliant ⁷ BAA-XTOR4B =Medium Door, 38W, Buy American Act Compliant ⁷ TAA-XTOR4B =Medium Door, 38W, Trade Agreements Act Compliant ⁷	[Blank] =Bright White (Standard), 5000K W =Neutral White, 4000K Y =Warm White, 3000K	[Blank] =Carbon Bronze (Standard) WT =Summit White BK =Black BZ =Bronze AP =Grey GM =Graphite Metallic DP =Dark Platinum	PC1 =Photocontrol 120V ² PC2 =Photocontrol 208-277V ^{2,3} 347V =347V ⁴ HA =50°C High Ambient ⁴	WG/XTOR =Wire Guard ⁵ XTORFLD-KNC =Knuckle Floodlight Kit ⁶ XTORFLD-TRN =Trunnion Floodlight Kit ⁶ XTORFLD-KNC-WT =Knuckle Floodlight Kit, Summit White ⁶ XTORFLD-TRN-WT =Trunnion Floodlight Kit, Summit White ⁶ EWP/XTOR =Escutcheon Wall Plate, Carbon Bronze EWP/XTOR-WT =Escutcheon Wall Plate, Summit White

NOTES:

- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
- Photocontrols are factory installed.
- Order PC2 for 347V models.
- Thru-branch wiring not available with HA option or with 347V. XTOR3B not available with HA and 347V or 120V combination.
- Wire guard for wall/surface mount. Not for use with floodlight kit accessory.
- Floodlight kit accessory supplied with knuckle (KNC) or trunnion (TRN) base, small and large top visors and small and large impact shields.
- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
- Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.

STOCK ORDERING INFORMATION

Domestic Preferences ¹	12W Series	18W Series	26W Series	38W Series
[Blank] =Standard	XTOR1B =12W, 5000K, Carbon Bronze	XTOR2B =18W, 5000K, Carbon Bronze	XTOR3B =26W, 5000K, Carbon Bronze	XTOR4B =38W, 5000K, Carbon Bronze
BAA =Buy American Act	XTOR1B-WT =12W, 5000K, Summit White	XTOR2B-W =18W, 4000K, Carbon Bronze	XTOR3B-W =26W, 4000K, Carbon Bronze	XTOR4B-W =38W, 4000K, Carbon Bronze
TAA =Trade Agreements Act	XTOR1B-PC1 =12W, 5000K, 120V PC, Carbon Bronze	XTOR2B-WT =18W, 5000K, Summit White	XTOR3B-WT =26W, 5000K, Summit White	XTOR4B-WT =38W, 5000K, Summit White
	XTOR1B-W =12W, 4000K, Carbon Bronze	XTOR2B-PC1 =18W, 5000K, 120V PC, Carbon Bronze	XTOR3B-PC1 =26W, 5000K, 120V PC, Carbon Bronze	XTOR4B-PC1 =38W, 5000K, 120V PC, Carbon Bronze
		XTOR2B-W-PC1 =18W, 4000K, 120V PC, Carbon Bronze	XTOR3B-W-PC1 =26W, 4000K, 120V PC, Carbon Bronze	XTOR4B-W-PC1 =38W, 4000K, 120V PC, Carbon Bronze
		XTOR2B-347V =18W, 5000K, Carbon Bronze, 347V	XTOR3B-347V =26W, 5000K, Carbon Bronze, 347V	XTOR4B-347V =38W, 5000K, Carbon Bronze, 347V
		XTOR2B-WT-PC1 =18W, 5000K, 120V PC, Summit White	XTOR3B-PC2 =26W, 5000K, 208-277V PC, Carbon Bronze	

NOTES:

- Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.