

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:

Paid _____ Receipt # _____

Date received _____

Received by _____

Aldermanic District _____

Zoning District _____

Urban Design District _____

Submittal reviewed by _____

Legistar # _____

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: 1322 East Washington Avenue

Title: Valor on Washington

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

UDC meeting date requested June 12, 2019

- 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 Ben Marshall Company Gorman & Company, LLC
Street address 200 N. Main St City/State/Zip Oregon, WI 53575
Telephone (608)835-3900 Email bmarshall@gormanusa.com

Project contact person Mark Smith Company Gorman & Company, LLC
Street address 200 N. Main St City/State/Zip Oregon, WI 53575
Telephone (608)835-3900 Email marksmith@gormanusa.com

Property owner (if not applicant) County of Dane, Wisconsin
Street address 210 Martin Luther King Jr. Blvd City/State/Zip Madison, WI 53703
Telephone (608)266-4941 Email Violante@countyofdane.com

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 on Page 4 for plan details)
- Filing fee** (Previously paid)
- Electronic Submittal***

Each submittal must include fourteen (14) 11" x 17" **collated** paper copies. Landscape and Lighting plans (if required) must be **full-sized and legible**. 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

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 Janine Glaeser on June 1, 2018.
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 Gorman & Company, LLC  Relationship to property Property under contract
Ben Marshall, Director of Architecture
 Authorizing signature of property owner Dane County:  Date 5/6/19
Todd Violante, Planning & Development Dept Director

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).
(Previously Paid)
- 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

May 8, 2019

Janine Glaeser, UDC Secretary
City of Madison
215 Martin Luther King, Jr. Blvd
Madison, WI 53703

Re: Letter of Intent
Urban Design Commission Application - Final
Valor on Washington: 1322 East Washington Avenue

Project Intent:

Valor on Washington is the result of a unique public-private partnership with the goal of providing quality affordable housing, services, and support targeted to Veteran families. Valor is located on E. Washington Avenue in the Tenney-Lapham neighborhood, close to schools, parks, and downtown. The development will contribute to the recent revitalization of the East Washington Corridor and provide much-needed affordable housing for families.

Valor on Washington is a mixed-use development that will feature a ground floor location for a Veterans service provider. The upper floors include 59 apartment units total, consisting of two- and three-bedroom units. Valor on Washington will have an on-site leasing office so that residents will have convenient access to property management and maintenance staff. The building will also include a community room, fitness room, storage units, and indoor play area for kids. Apartment units will feature an open concept design with a large kitchen and living space, energy efficient appliances and fixtures, closets and storage spaces, secure entry, high-speed internet and cable hookups, in-unit washer/dryers, and modern finishes. The building will be developed in compliance with accessibility standards of the Fair Housing Act and will include Universal Design features per WHEDA requirements so that units are accessible to residents with disabilities.

An outdoor amenity area will be located to the rear of the site, featuring raised garden beds, a playground area, and outdoor seating space. An outdoor common area patio will provide additional amenity space for residents.

This development provides internal, covered automobile and bicycle parking for residents. A small amount of surface parking is available for the ground floor commercial tenant. Entrance and exit are both on E. Washington Avenue, no traffic is routed onto side streets. The proposed mixed-use building is in line with the planned future land use outlined in the Tenney-Lapham, East Washington Gateway Corridor, and City of Madison Comprehensive Plans, all of which call for Community-Mixed Use.

This site is located in Urban Design District 8, and the site and building design incorporate the principles of this district, including:

- Concealed parking (side parking and covered)
- Landscaping, lighting, and site features within E. Washington setback to create a pleasing environment for pedestrians
- Green building design with focus on energy efficient features
- Setbacks and stepbacks compliant with UDD8 and TE
- Primary exterior materials include brick, stone, metal panel

Project Team:

Applicant: Gorman & Company, LLC
200 N. Main Street
Oregon, WI 53575
414-617-9997
Contact: Ted Matkom
tmatkom@gormanusa.com

Owner: Dane County
210 Martin Luther King Jr Blvd
Madison, WI 53703
608-266-4109
Contact: Todd Violante
Violante@countyofdane.com

Architect: Gorman & Company, LLC
200 N. Main Street
Oregon, WI 53575
Contact: Ben Marshall
bmarshall@gormanusa.com

General Contractor: Gorman General Contractors, LLC
200 N. Main Street
Oregon, WI 5375
Contact: Ron Swiggum
rswiggum@gormanusa.com

Civil: JSD Professional Services, Inc.
7402 Stone Ridge Dr, Ste 4
Weston, WI 54476
Contact: Justin Frahm
justin.frahm@jsdinc.com

Project Schedule: The project was re-zoned to TE in Fall 2018; we are seeking Final Approval from UDC.

UDC Informational – June 26, 2018

UDC Initial Approval – October 22, 2018

Plan Commission Approval – November 5, 2018

Common Council Approval – November 20, 2018

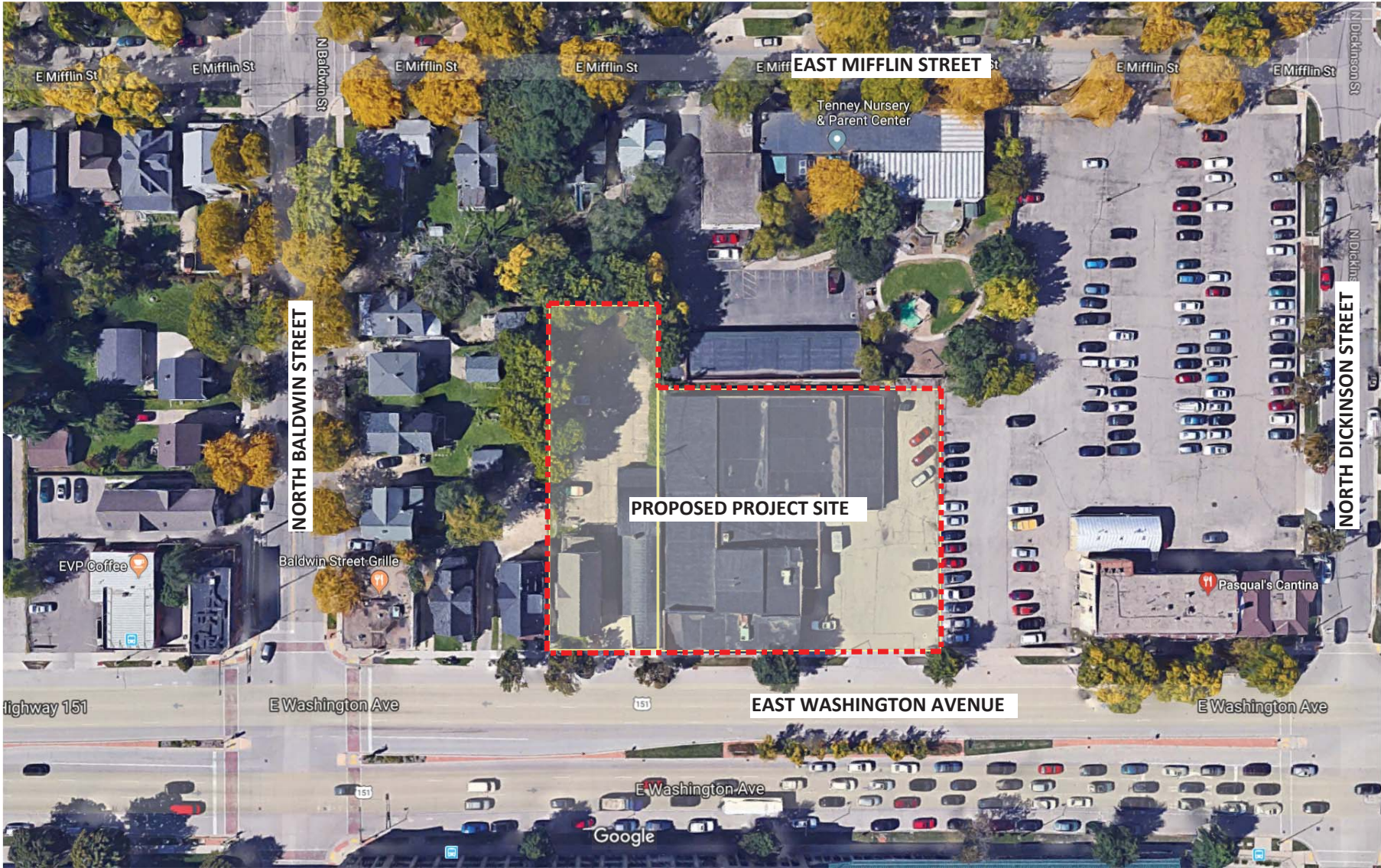
Meeting Dates: We are requesting a UDC meeting date of June 12, 2019.

Thank you for your time in reviewing our proposal.

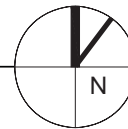
Sincerely,

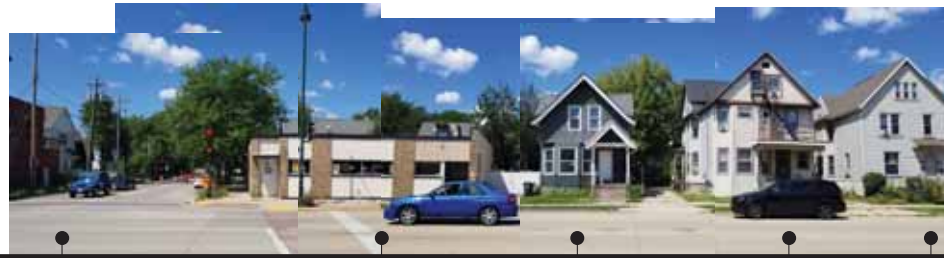


Ben Marshall
Director of Architecture, Gorman & Company



VALOR ON WASHINGTON
1326 E WASHINGTON AVENUE - MADISON, WISCONSIN
PROPOSED DEVELOPMENT LOCATION





BALDWIN STREET @ EAST WASHINGTON AVENUE

BALDWIN STREET GRILLE 1304 EAST WASHINGTON AVENUE

1306 EAST WASHINGTON AVENUE

1310 EAST WASHINGTON AVENUE

1314 EAST WASHINGTON AVENUE



1310 EAST WASHINGTON AVENUE

1314 EAST WASHINGTON AVENUE

1318 EAST WASHINGTON AVENUE

1324 - 1326 EAST WASHINGTON AVENUE

PASQUAL'S CANTINA 1344 EAST WASHINGTON AVENUE



PASQUAL'S CANTINA 1344 EAST WASHINGTON AVENUE

DICKINSON STREET @ EAST WASHINGTON AVENUE

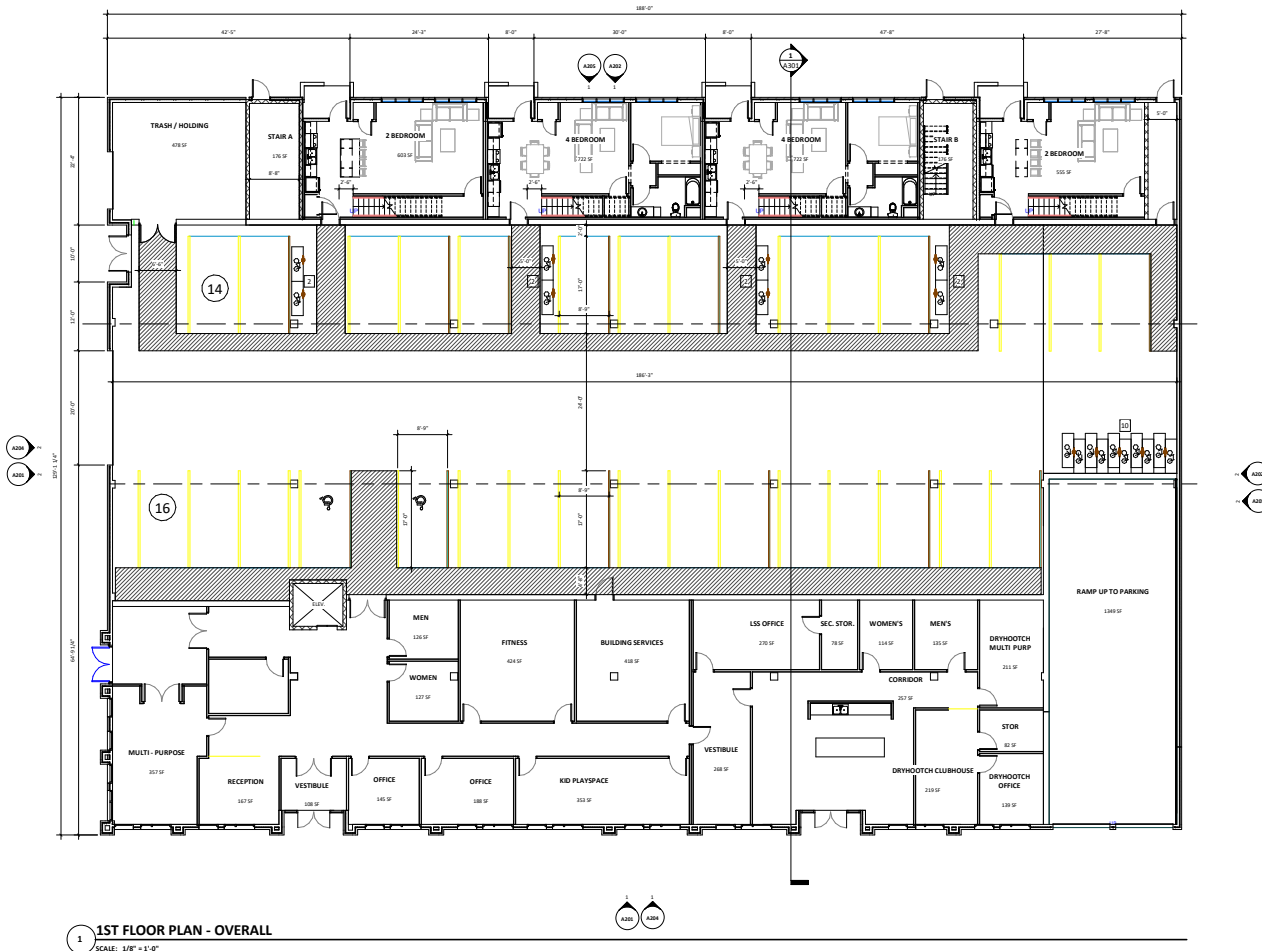
VALOR ON WASHINGTON CONTEXT
 1314—1326 EAST WASHINGTON AVENUE
 MADISON WI 53708

Project No: _____
 Plot Date: _____
 Drawn by: _____
 Issue date: _____

Sheet Title _____

Sheet No. _____

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**

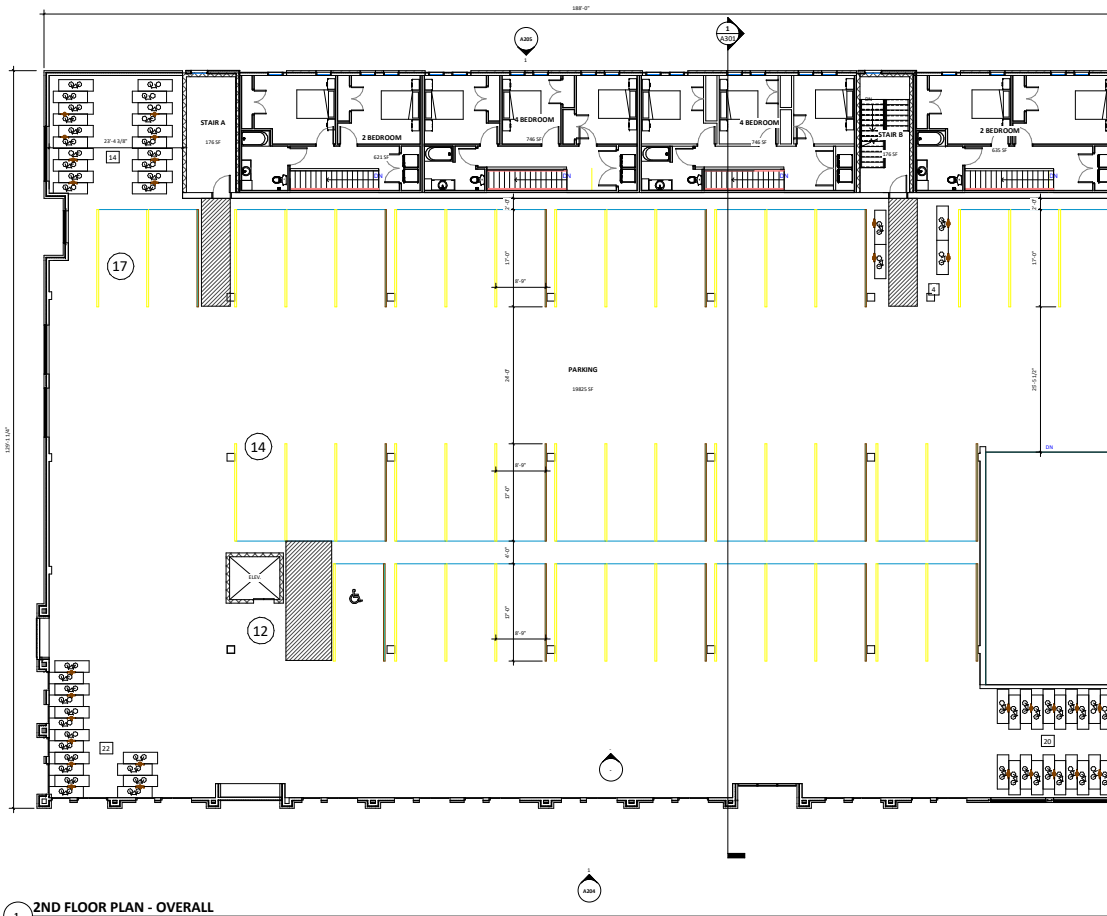


1 1ST FLOOR PLAN - OVERALL
SCALE: 1/8" = 1'-0"

Schematic	
Project No.	Project Number
Plot Date:	01/20/2018 09:34:42 AM
Drawn by:	GORMAN
Date:	Issue Description
02/01/2018	LAND USE REVISIONS
02/01/2018	LAND USE REVISIONS

Sheet Title
**1ST FLOOR PLAN -
OVERALL**

Sheet No.
A111



1 2ND FLOOR PLAN - OVERALL
SCALE: 1/8" = 1'-0"

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**

Schematic	
Project No.	Project Number
Plot Date:	12/2023 @ 3:30:44 AM
Drawn by:	GORMAN TEAM
Date:	Issue Description
02.01.2024	LAND USE RECONSTRUCTION
02.01.2024	LAND USE RECONSTRUCTION

Sheet Title
2ND FLOOR PLAN -
OVERALL

Sheet No.
A121

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**

Schematic

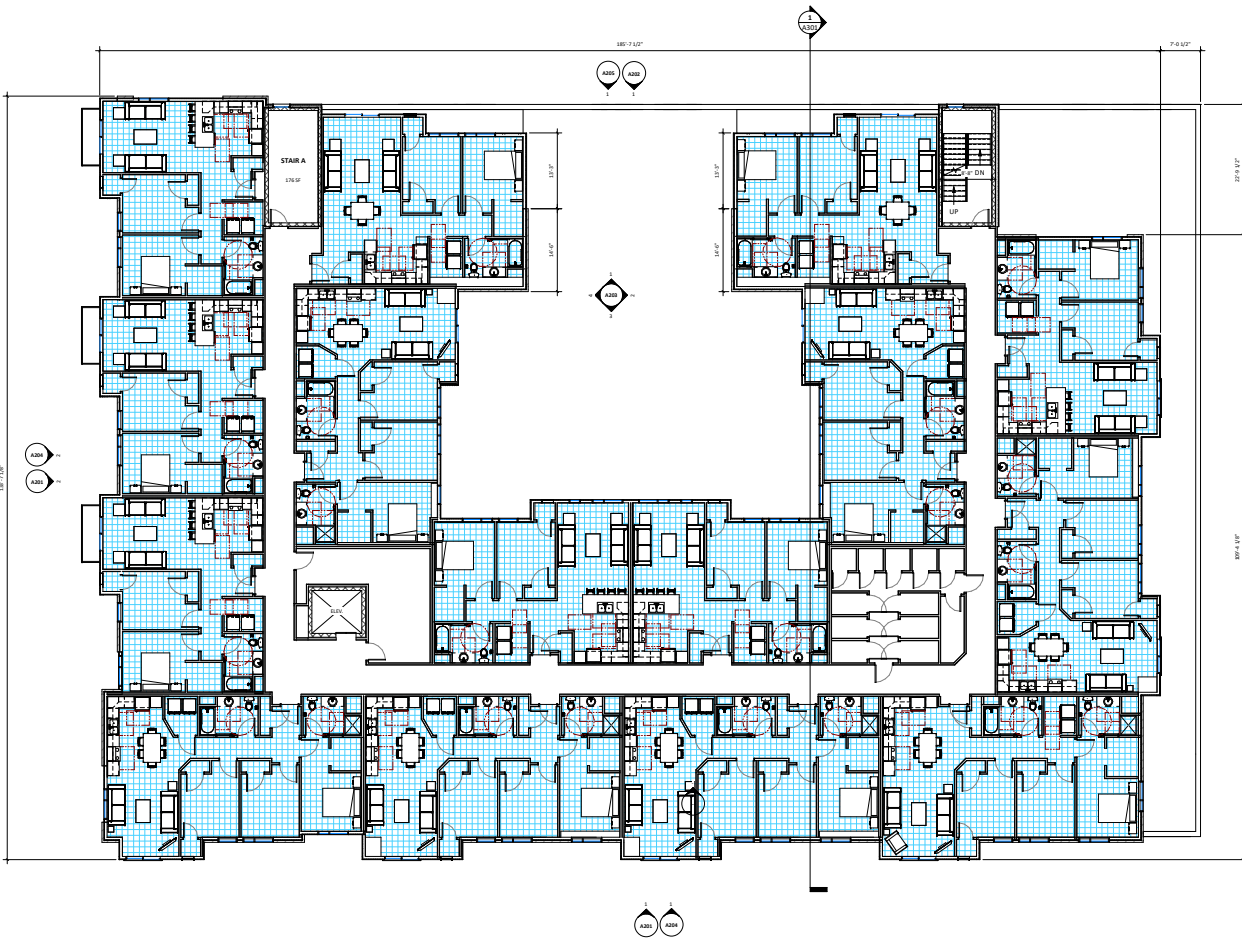
Project No. _____ Project Number _____
Plot Date: 12/15/2018 9:38:14 AM
Drawn by: GORMAN

Date: _____ Issue Description
02.01.2018 LAND USE REGULATORY
02.01.2018 LAND USE REGULATORY

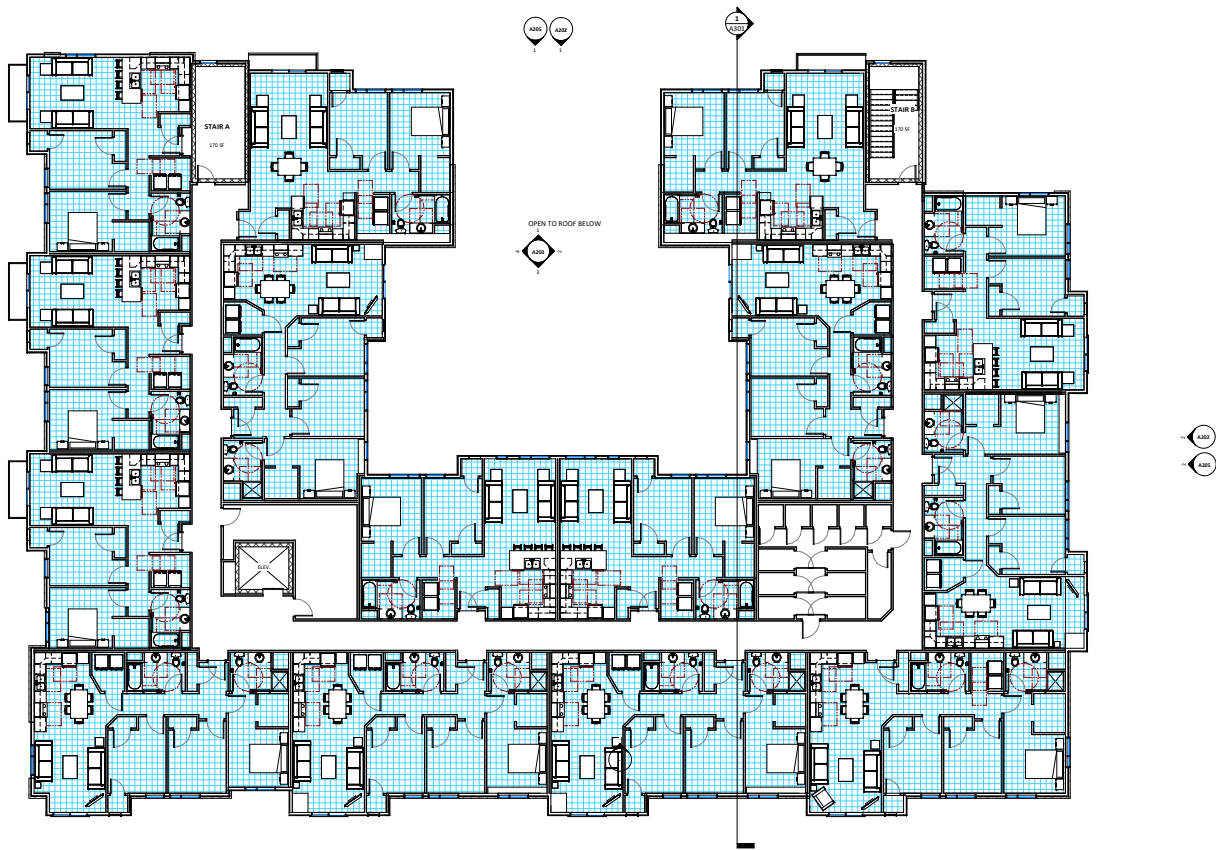
Sheet Title
**3RD FLOOR PLAN -
OVERALL**

Sheet No.

A131



1 3RD FLOOR PLAN - OVERALL
SCALE: 1/8" = 1'-0"



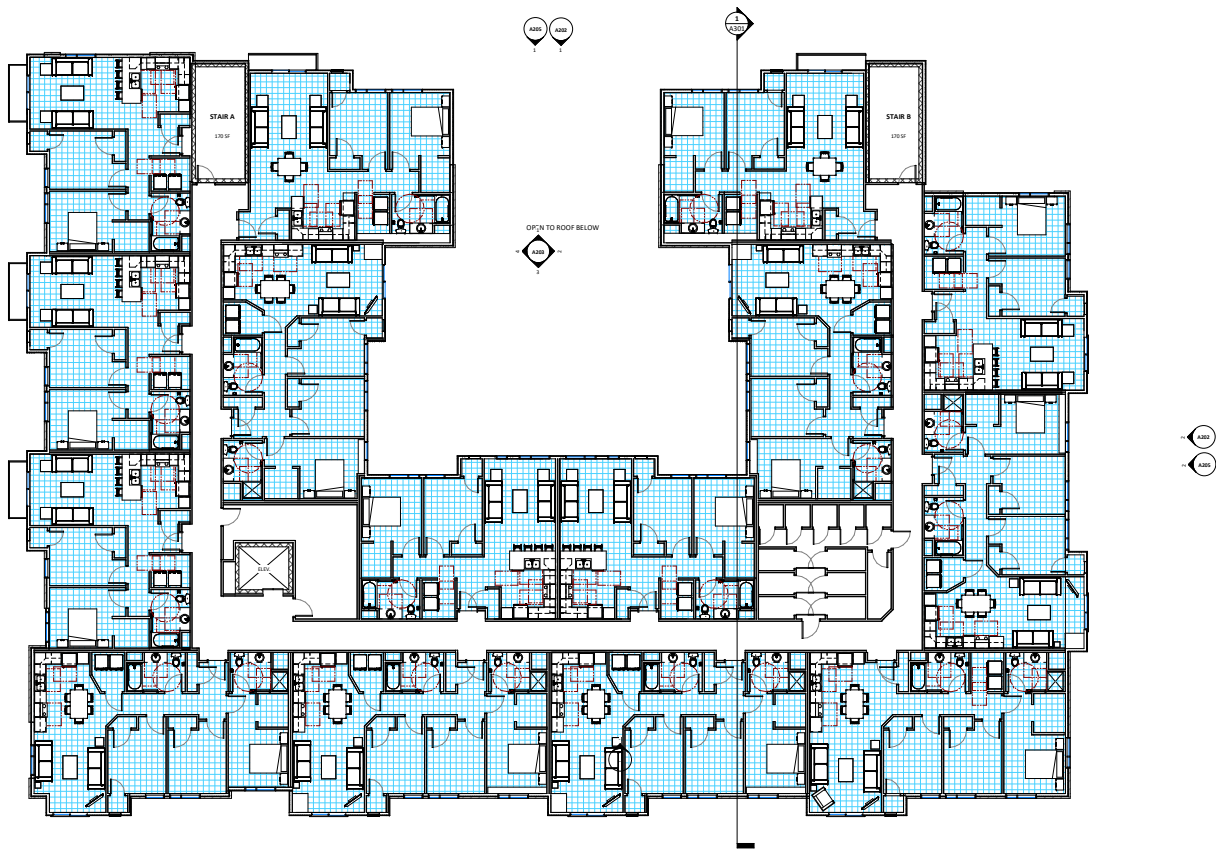
1 4TH FLOOR PLAN - OVERALL
SCALE: 1/8" = 1'-0"

VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI

Schematic	
Project No.	Project Number
Plot Date:	12/15/2018 9:38:16 AM
Drawn by:	GORMAN
Date:	Issue Description
02.01.2018	LAND USE REGULATORY
02.01.2018	LAND USE REGULATORY

Sheet Title
4TH FLOOR PLAN -
OVERALL

Sheet No.
A141



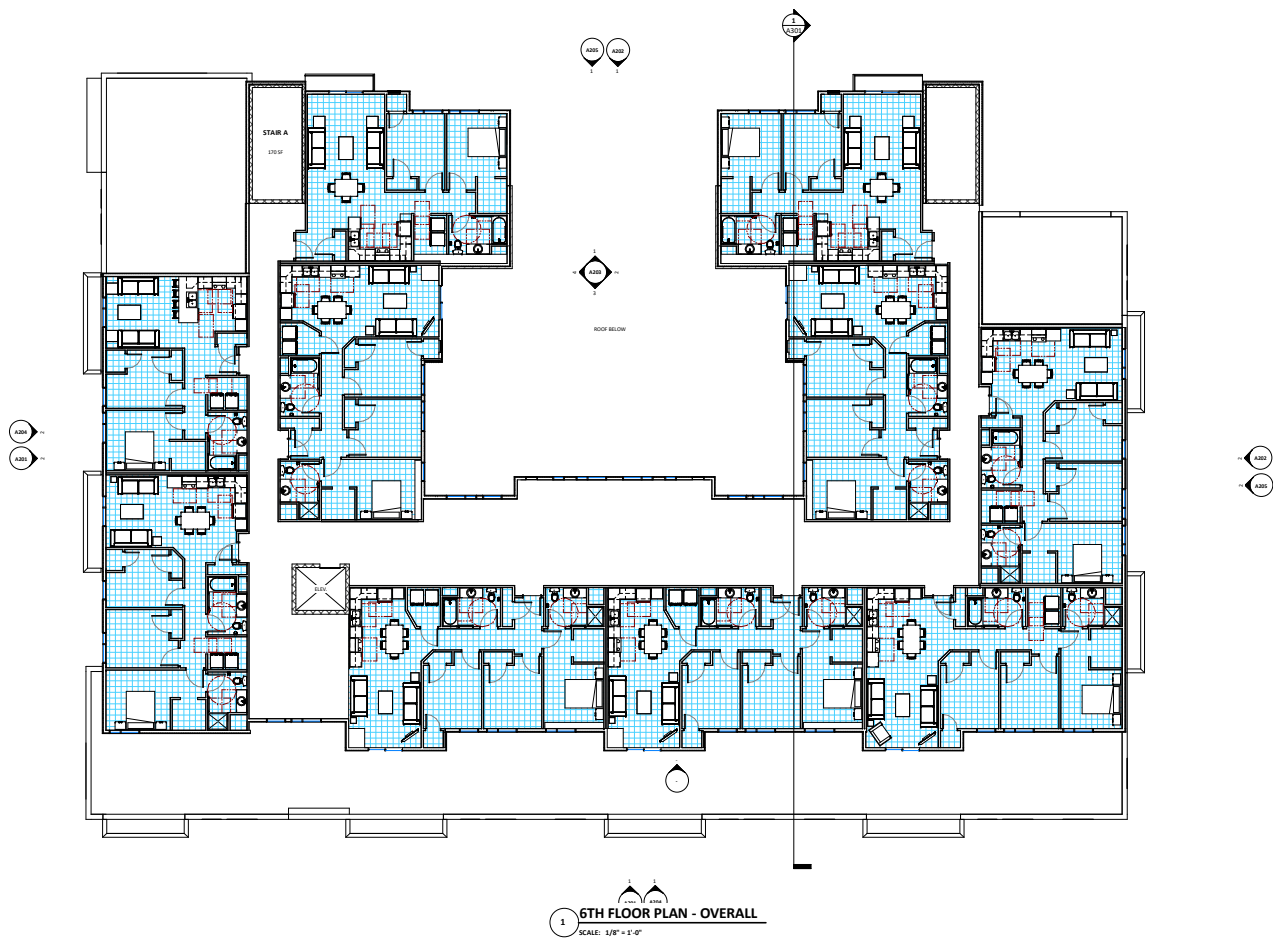
1 5TH FLOOR PLAN - OVERALL
SCALE: 1/8" = 1'-0"

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**

Schematic	
Project No.	Project Number
Plot Date:	12/15/2018 9:28:26 AM
Drawn by:	GORMAN
Date:	Issue Description
02.01.2018	LAND USE REGULATORY
02.01.2018	LAND USE REGULATORY

Sheet Title
5TH FLOOR PLAN -
OVERALL

Sheet No.
A151



1 6TH FLOOR PLAN - OVERALL
SCALE: 1/8" = 1'-0"

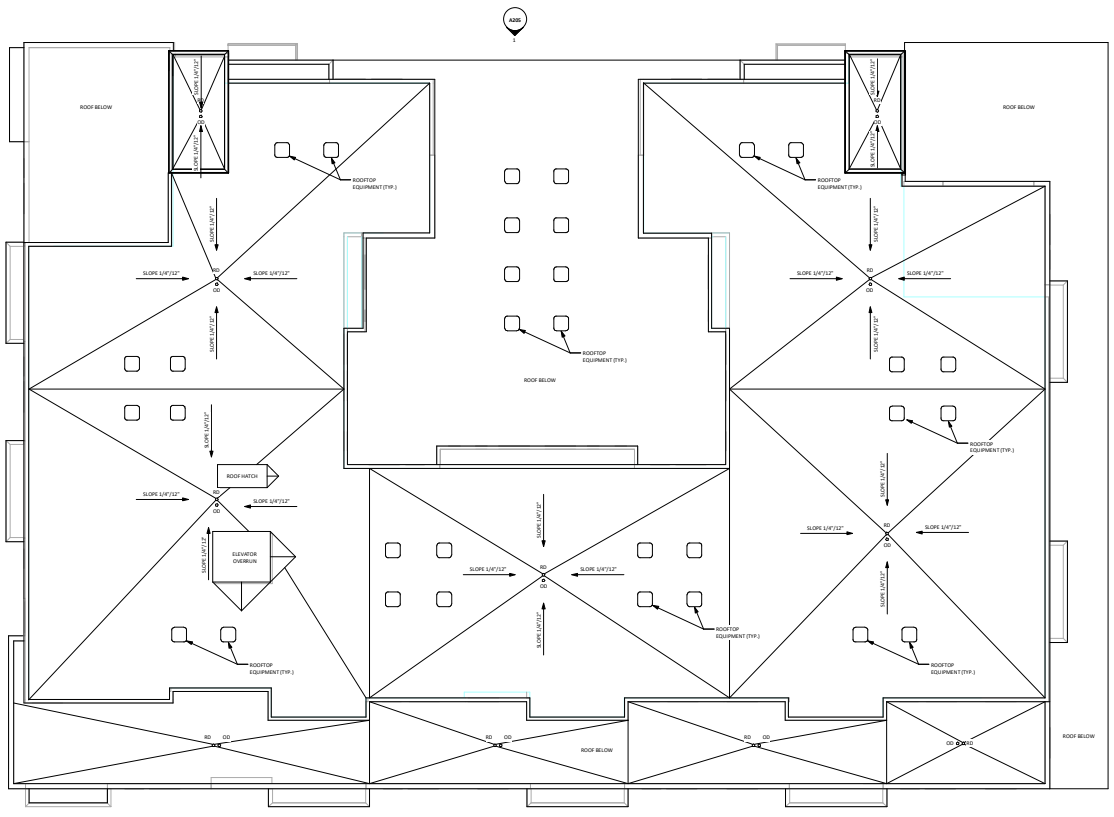
**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**

Schematic	
Project No.	Project Number
Plot Date:	12/15/2018 9:34:34 AM
Drawn by:	GORMAN
Date:	Issue Description
02.01.2018	LAND USE RECONSTRUCTION
02.01.2018	LAND USE RECONSTRUCTION

Sheet Title
6TH FLOOR PLAN -
OVERALL

Sheet No.
A161

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**



1 ROOF PLAN - OVERALL
SCALE: 1/8" = 1'-0"



Schematic	
Project No.	Project Number
Plot Date:	12/15/2018 9:30:13 AM
Drawn by:	GORMAN
Date:	Issue Description
08.10.18	LAND USE REGULATORY
08.10.18	LAND USE REGULATORY

Sheet Title
ROOF PLAN - OVERALL

Sheet No.
A171



VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI

Schematic

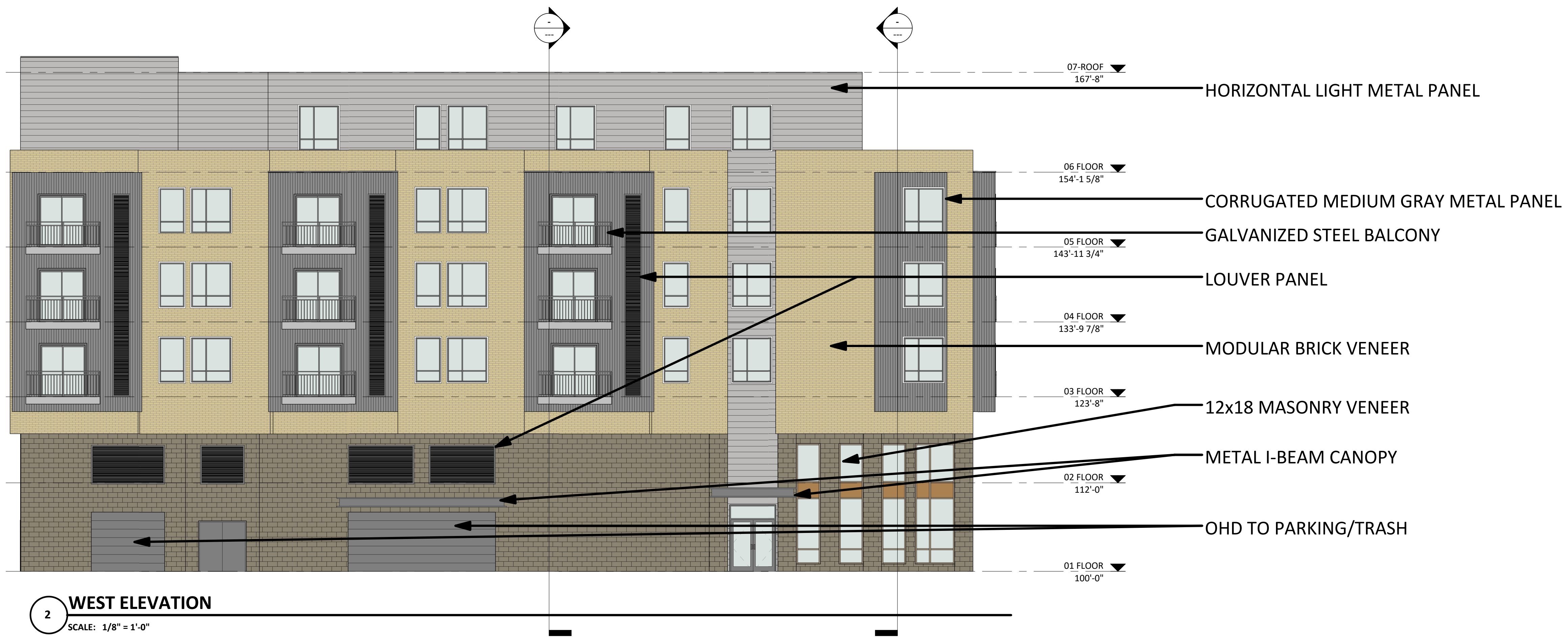
Project No.	Project Number
Plot Date:	12/2023 @ 9:30:14 AM
Drawn by:	GORMAN TEAM
Date:	Issue Description
06.03.23	100% PER SUBMITTALS

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

Sheet Title
BUILDING SECTIONS

Sheet No.
A301

VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI



2 WEST ELEVATION
SCALE: 1/8" = 1'-0"



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

Schematic	
Project No.	Project Number
Plot Date:	5/8/2019 8:13:41 AM
Drawn by:	GORMAN TEAM
Date	Issue Description
08.15.2018	LAND USE RESUBMITTAL
09.05.2018	LAND USE RESUBMITTAL

Sheet Title
EXTERIOR BUILDING
ELEVATIONS MATERIAL

Sheet No.
A201

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**



2 EAST ELEVATION
SCALE: 1/8" = 1'-0"



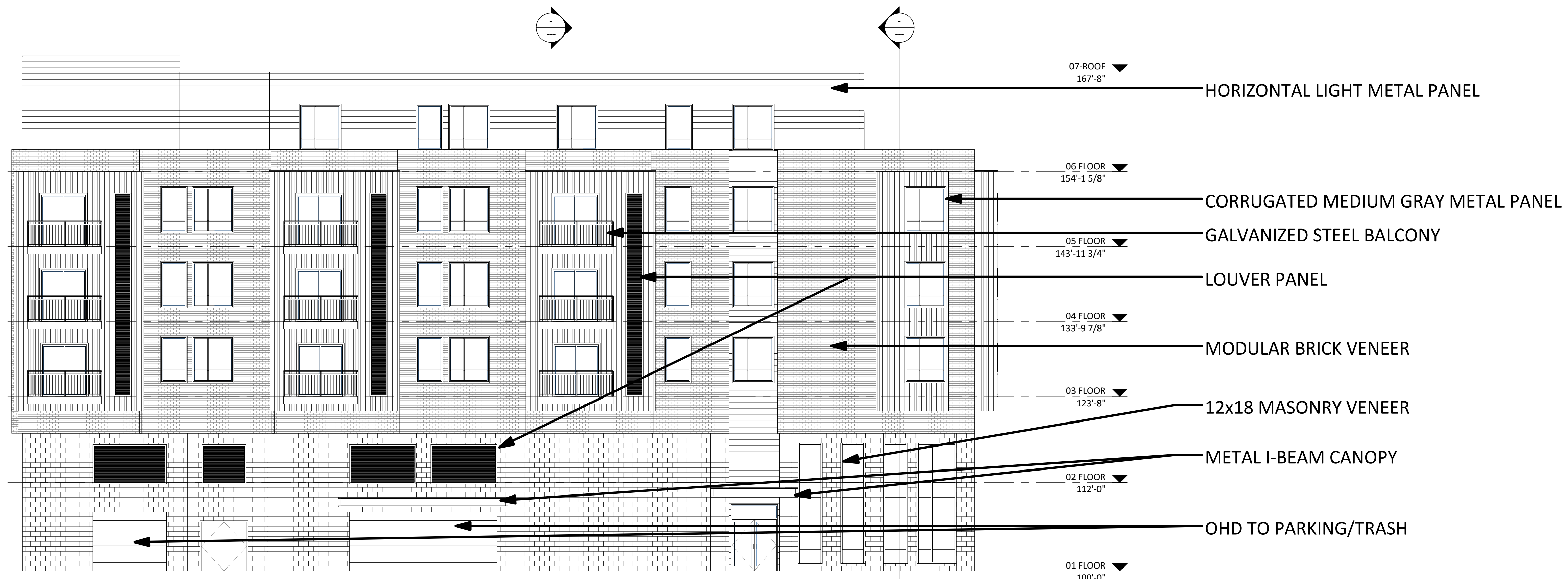
1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

Schematic	
Project No.	Project Number
Plot Date:	5/8/2019 8:13:47 AM
Drawn by:	GORMAN TEAM
Date	Issue Description
08.15.2018	LAND USE RESUBMITTAL
09.05.2018	LAND USE RESUBMITTAL

Sheet Title
**EXTERIOR BUILDING
ELEVATIONS MATERIAL**

Sheet No.
A202

VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI



2 WEST ELEVATION - B/W
SCALE: 1/8" = 1'-0"



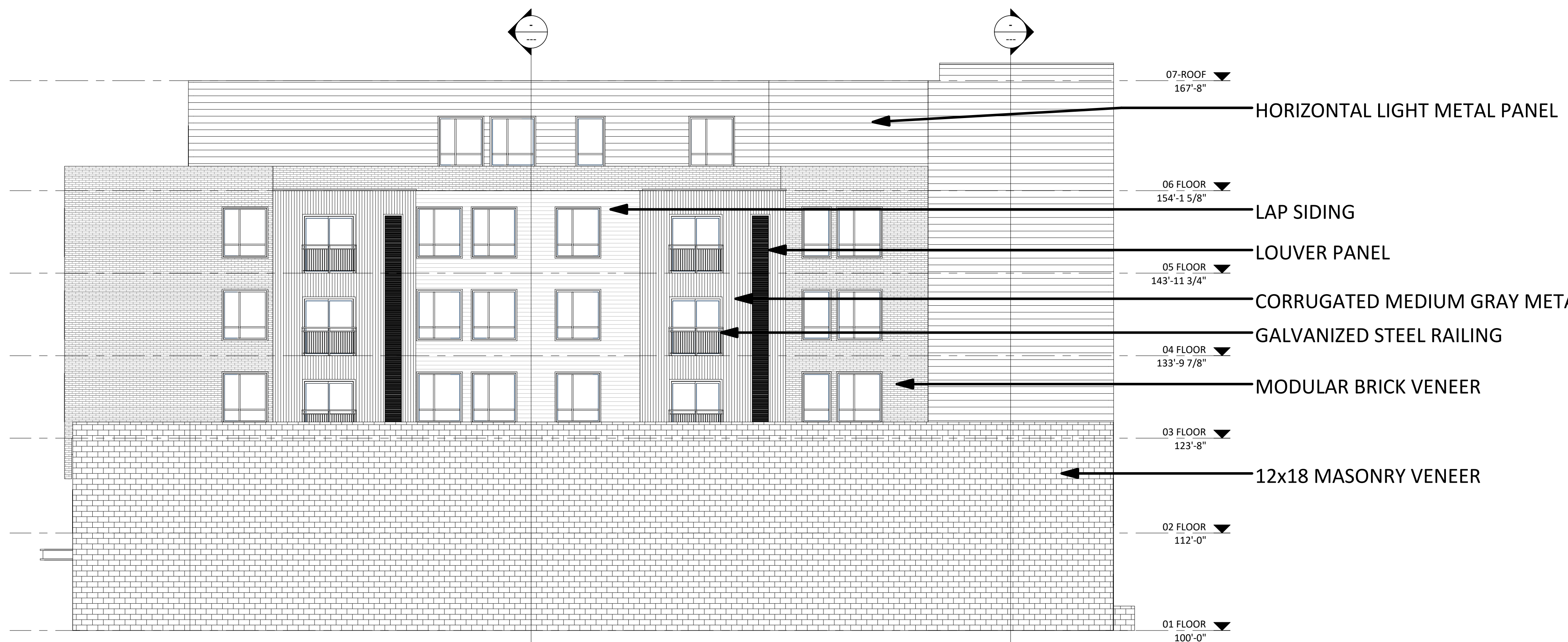
1 SOUTH ELEVATION - B/W
SCALE: 1/8" = 1'-0"

Schematic	
Project No.	Project Number
Plot Date:	5/8/2019 8:13:50 AM
Drawn by:	GORMAN TEAM
Date	Issue Description
08.15.2018	LAND USE RESUBMITTAL
09.05.2018	LAND USE RESUBMITTAL

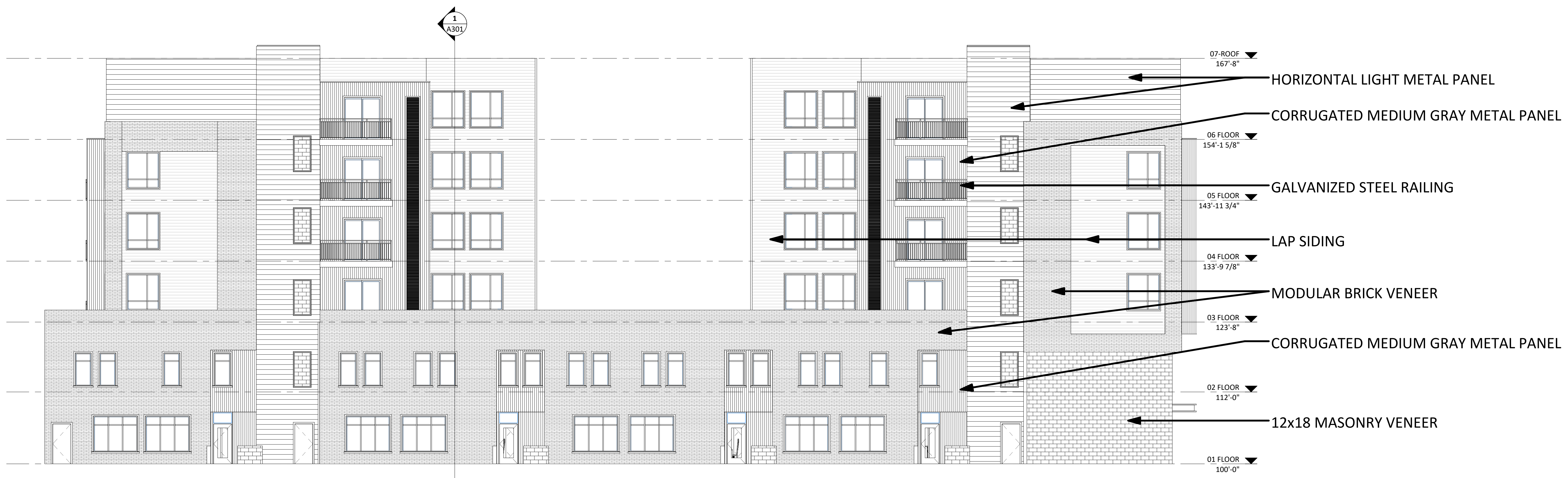
Sheet Title
**EXTERIOR BUILDING
ELEVATIONS B/W**

Sheet No.
A204

**VALOR ON WASHINGTON
EAST WASHINGTON AVE.
MADISON, WI**



2 EAST ELEVATION - B/W
SCALE: 1/8" = 1'-0"



1 NORTH ELEVATION - B/W
SCALE: 1/8" = 1'-0"

Schematic	
Project No.	Project Number
Plot Date:	5/8/2019 8:13:55 AM
Drawn by:	GORMAN TEAM
Date	Issue Description

Sheet Title
**EXTERIOR BUILDING
ELEVATIONS B/W**

Sheet No.
A205



LAND USE KEY:

LOT 1 - 0.987 ACRES

Building:
Multi-Family Residential - 23,752 sq. ft.
Building Height - 6 stories

Parking:
Surface Parking - 12 stalls
Structured Parking - 73 stalls
Total Parking - 85 stalls

Bike Surface Parking - 30 stalls

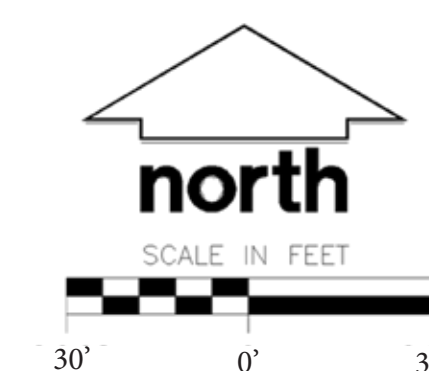
Impervious vs. Pervious:
Impervious (SAR) - .79

VALOR ON EAST WASHINGTON AVE

Location: Madison, Wisconsin

CONCEPT MASTER PLAN

PLEASE NOTE: POTENTIAL BUILDING AND SITE LAYOUTS SHOWN ON THIS PLAN ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE COPYRIGHT PROTECTED BY JSD PROFESSIONAL SERVICES. © 2018



• Engineers • Surveyors • Planners

PROPOSED BUILDING



PARKING ENTRANCE

E. WASHINGTON AVE

VALOR ON EAST WASHINGTON AVE

Location: Madison, Wisconsin

CONCEPT MASTER PLAN TERRACE

PLEASE NOTE: POTENTIAL BUILDING AND SITE LAYOUTS SHOWN ON THIS PLAN ARE FOR ILLUSTRATION PURPOSES ONLY AND ARE COPYRIGHT PROTECTED BY JSD PROFESSIONAL SERVICES. © 2018



#	Date:	Description:
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EXISTING CONDITIONS MAP

PART OF LOTS 3 AND 12 AND ALL OF LOTS 13, 14, 15, AND 16, BLOCK 217, FARWELL'S REPLAT OF A PART OF THE CITY OF MADISON, LOCATED IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 07 NORTH, RANGE 09 EAST, CITY OF MADISON, DANE COUNTY, WISCONSIN

LEGEND

- GOVERNMENT CORNER
- 3/4" REBAR FOUND
- 1" IRON PIPE FOUND
- 2" IRON PIPE FOUND
- ⊗ CHISELED "X" FOUND
- 3/4" x 24" REBAR SET (1.50 LBS/LF)
- COTTON SPINDLE SET
- ⊕ SIGN
- ⊕ SANITARY MANHOLE
- ⊕ CURB INLET
- ⊕ GAS REGULATOR/METER
- ⊕ ELECTRIC TRANSFORMER
- ⊕ LIGHT POLE
- ⊕ POWER POLE W/GUY
- ⊕ TELEPHONE PEDESTAL
- ⊕ DECIDUOUS TREE
- SECTION LINE
- PARCEL BOUNDARY
- RIGHT-OF-WAY LINE
- PLATTED LOT LINE
- EASEMENT LINE
- FENCE LINE
- EDGE OF PAVEMENT
- CONCRETE CURB & GUTTER
- SANITARY SEWER
- WATER LINE
- STORM SEWER
- NATURAL GAS
- OVERHEAD ELECTRIC DISTRIBUTION
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- BUILDING
- 850 INDEX CONTOUR
- 851 INTERMEDIATE CONTOUR
- SPOT ELEVATION
- BITUMINOUS PAVEMENT
- CONCRETE PAVEMENT
- END OF FLAGGED UTILITIES
- DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

NOTES

- FIELD WORK PERFORMED BY JSD PROFESSIONAL SERVICES, INC. ON MAY 17 AND 18, 2018.
- BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, (DANE COUNTY). THE WEST LINE OF THE NORTHEAST QUARTER OF SECTION 13--07--09, BEARS N00°38'30"E.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS A BRASS CAP IN CONCRETE WITNESSING THE CENTER OF SECTION 13, T07N, R09E, ELEVATION = 849.79'.
- CONTOUR INTERVAL IS ONE FOOT.
- SPOT ELEVATIONS IN CURBED AREAS REFERENCE THE PAVEMENT EDGE ELEVATIONS.
- SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE TICKET No.'s 20181904182, 20181904524 AND 20181904560, WITH A CLEAR DATE OF MAY 10, 2018.
- UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
CITY OF MADISON ENGINEERING
MADISON GAS AND ELECTRIC COMPANY (ELECTRIC AND GAS)
AMERICAN TRANSMISSION COMPANY (ATC)
WISCONSIN DEPARTMENT OF TRANSPORTATION--ITS EQUIPMENT
CENTURYLINK KMC
CHARTER COMMUNICATIONS
AT&T TRANSMISSION
AT&T DISTRIBUTION
- BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.
- JSD PROFESSIONAL SERVICES, INC. DOES NOT GUARANTEE THAT THE BENCHMARKS ELEVATIONS LISTED ON THIS MAP HAVE NOT BEEN DISTURBED SINCE THE DATE OF THIS SURVEY AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION ACTIVITIES.
- PARCEL A IS ZONED TR-V (TRADITIONAL RESIDENTIAL-VARIED DISTRICT 1); PARCEL B IS ZONED CC-T (COMMERCIAL CORRIDOR-TRANSITIONAL DISTRICT); PARCEL C IS ZONED TE (TRADITIONAL EMPLOYMENT DISTRICT) PER THE CITY OF MADISON ZONING MAP DATED JANUARY 2013.
- WATER MAIN WAS NOT MARKED BY DIGGERS HOTLINE TICKET No.'s 20181904182, 20181904524 AND 20181904560 AND IS SHOWN PER CITY RECORDS (GTWeb).
- GAS MAIN AND UNDERGROUND ELECTRIC IS SHOWN PER A PLAT OF SURVEY BY WILLIAMSON SURVEYING & ASSOCIATES, LLC, DATED JANUARY 21, 2016, COUNTY MAP No. 2016-00305. GAS MAIN AND UNDERGROUND ELECTRIC WERE NOT MARKED BY DIGGERS HOTLINE TICKET No.'s 20181904182, 20181904524 AND 20181904560.

LEGAL DESCRIPTION (AS FURNISHED)

(FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT No.: NCS-907830-MAD, COMMITMENT DATE: MAY 24, 2018 AT 7:30 A.M.)

PARCEL A:

THE SE 55 FEET OF LOT 3, THE NW 45 FEET OF LOT 16, AND THE NE 33 FEET OF THE SOUTHEAST 120 FEET OF LOT 16, ALL IN BLOCK 217, FARWELL'S REPLAT OF PART OF THE CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

ADDRESS PER TAX ROLL: 1316 & 1318 E WASHINGTON AVE

TAX PARCEL No. 251/0709-131-0201-2

PARCEL B:

THE SW 33 FEET OF THE SE 120 FEET OF LOT 16, BLOCK 217, FARWELL'S REPLAT OF PART OF THE CITY OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

ADDRESS PER TAX ROLL: 1314 E WASHINGTON AVE

TAX PARCEL No.: 251/0709-131-0209-5

PARCEL C:

THE SOUTHWEST 41 FEET OF LOT 13, AND ALL OF LOTS 14 AND 15 OF BLOCK 217, IN THE CITY OF MADISON ACCORDING TO FARWELL'S REPLAT THEREOF, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

ADDRESS PER TAX ROLL: 1326 & 1328 E WASHINGTON AVE

TAX PARCEL No.: 251/0709-131-0211-0

PARCEL D:

THE SOUTHWEST FIFTY-FIVE (55) FEET OF LOT TWELVE (12), IN BLOCK TWO-HUNDRED SEVENTEEN (217), ORIGINAL PLAT OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

ADDRESS PER TAX ROLL: 1334 E WASHINGTON AVE

TAX PARCEL No.: 251/0709-131-0212-8

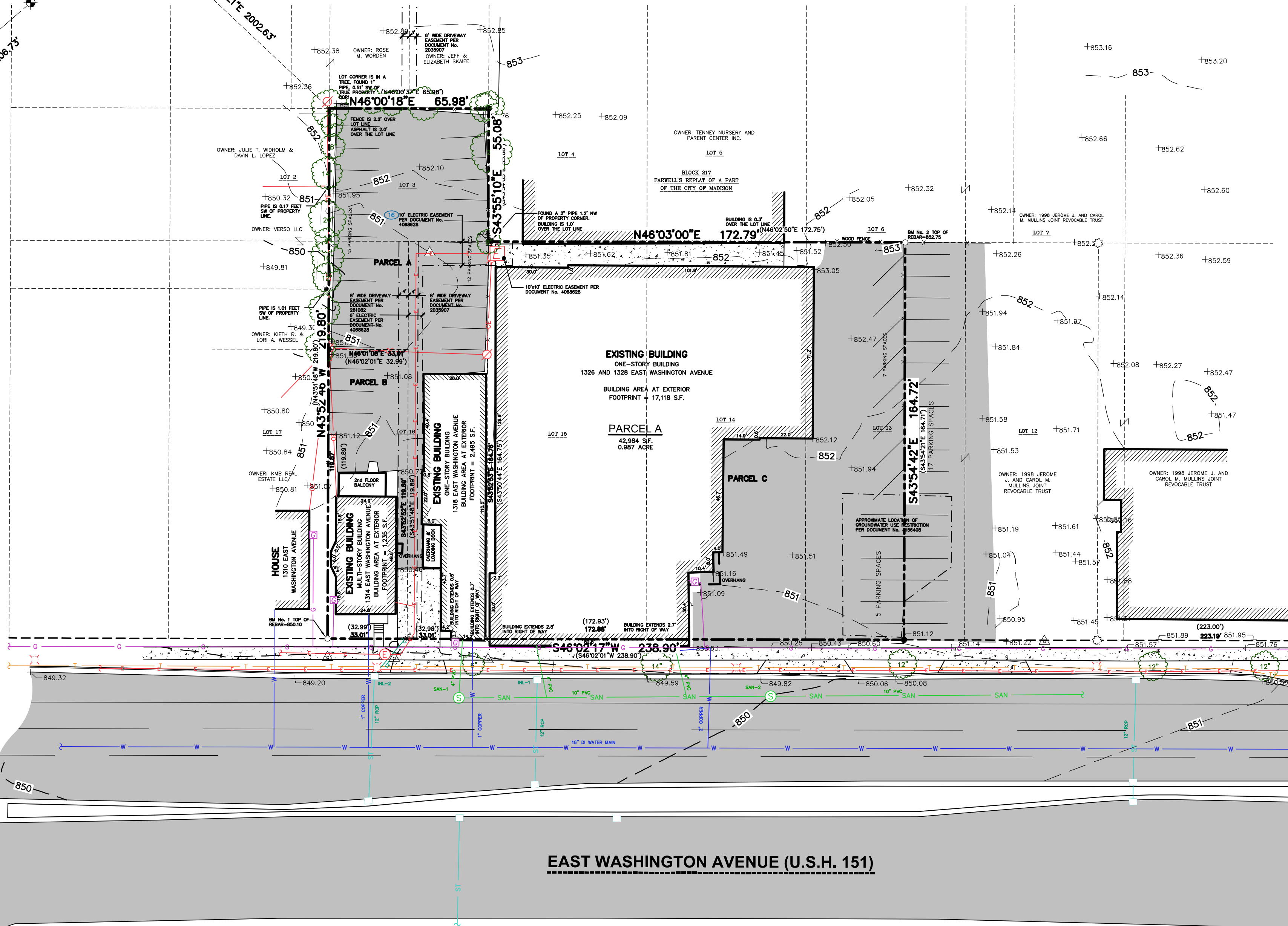
PARCEL E:

THE NORTHEAST TWENTY-FIVE (25) FEET OF LOT THIRTEEN (13), IN BLOCK TWO-HUNDRED SEVENTEEN (217), ORIGINAL PLAT OF MADISON, IN THE CITY OF MADISON, DANE COUNTY, WISCONSIN.

ADDRESS PER TAX ROLL: 1334 E WASHINGTON AVE

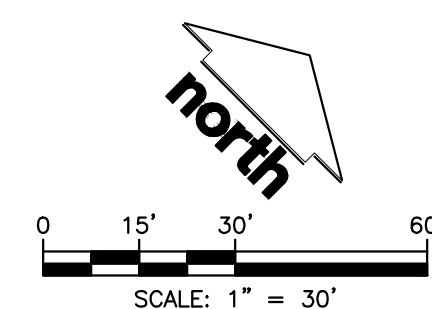
TAX PARCEL No.: 251/0709-131-0212-8

SECTION CORNER MONUMENTS				
LETTER	CORNER	FOUND	NORTHING	EASTING
A	CENTER 13-7-9	IN BUILDING	485,568.62	823,852.16
B	WITNESS CORNER	BRASS CAP	485,775.48	823,854.39
C	WITNESS CORNER	BRASS CAP	488,355.29	823,883.37
D	N 1/4 13-7-9	NO MONUMENT	487,727.95	823,876.33

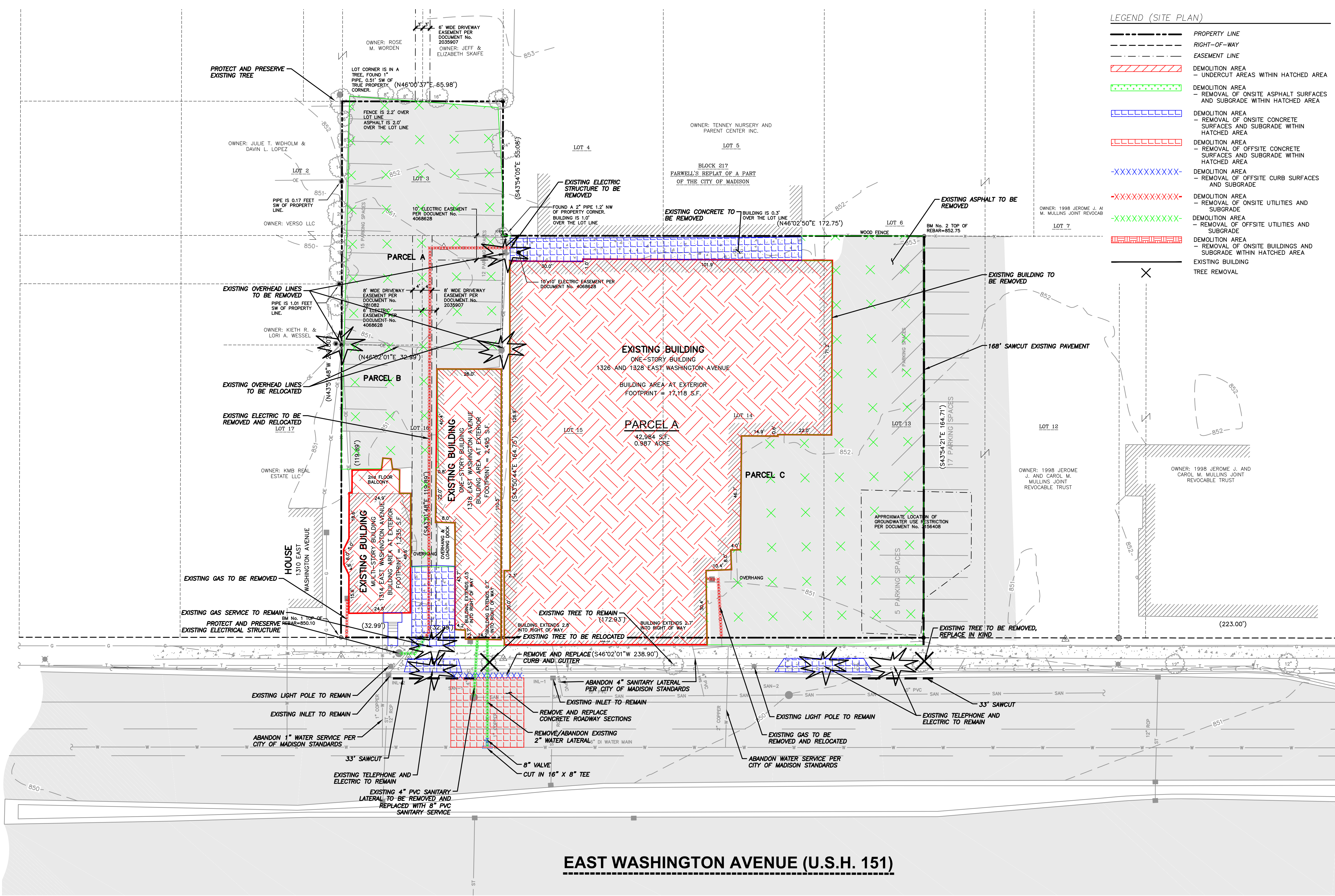


SANITARY SEWER MANHOLES					
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	849.41	NW	840.19	4"	PVC
		NE	840.05	10"	PVC
SAN-2	850.01	SW	839.51	10"	PVC
		NW	842.25	4"	PVC
		NE	839.48	10"	PVC

STORM SEWER INLETS					
INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL-1	849.31	SE	845.61	12"	RCP
INL-2	848.81	NW	845.61	12"	-
		SE	845.61	12"	RCP



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LEGEND (SITE PLAN)

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	DEMOLITION AREA - UNDERCUT AREAS WITHIN HATCHED AREA
	DEMOLITION AREA - REMOVAL OF ONSITE ASPHALT SURFACES AND SUBGRADE WITHIN HATCHED AREA
	DEMOLITION AREA - REMOVAL OF ONSITE CONCRETE SURFACES AND SUBGRADE WITHIN HATCHED AREA
	DEMOLITION AREA - REMOVAL OF OFFSITE CONCRETE SURFACES AND SUBGRADE WITHIN HATCHED AREA
	DEMOLITION AREA - REMOVAL OF OFFSITE CURB SURFACES AND SUBGRADE
	DEMOLITION AREA - REMOVAL OF ONSITE UTILITIES AND SUBGRADE
	DEMOLITION AREA - REMOVAL OF OFFSITE UTILITIES AND SUBGRADE
	DEMOLITION AREA - REMOVAL OF ONSITE BUILDINGS AND SUBGRADE WITHIN HATCHED AREA
	EXISTING BUILDING
	TREE REMOVAL



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MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060



CLIENT ADDRESS:
**200 NORTH MAIN STREET
OREGON, WI, 53575**

PROJECT:
VALOR ON WASHINGTON

PROJECT LOCATION:
**CITY OF MADISON, WI
DANE COUNTY**

PLAN MODIFICATIONS:

#	Date	Description
1	06.08.18	LAND USE SUBMITTAL
2	08.15.18	LAND USE RE-SUBMITTAL
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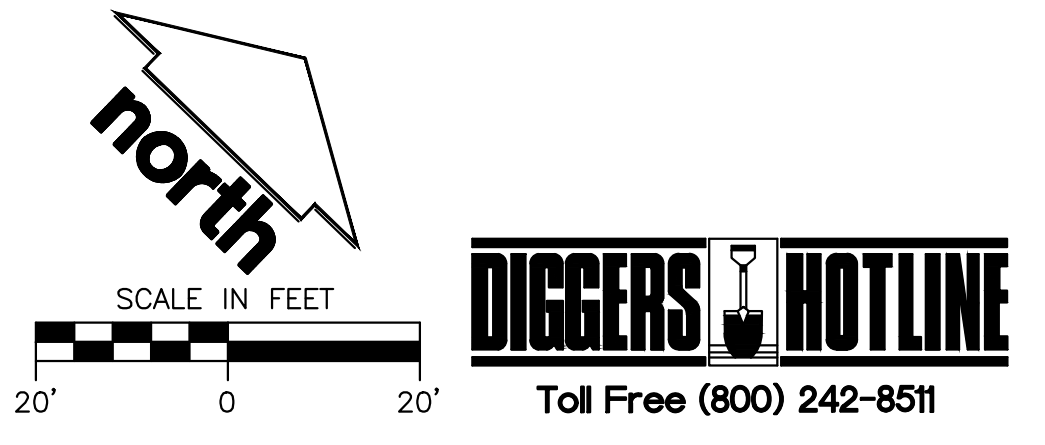
Design/Drawn: CHG
Approved: WHD

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C1.0

JSD PROJECT NO: 18-8568

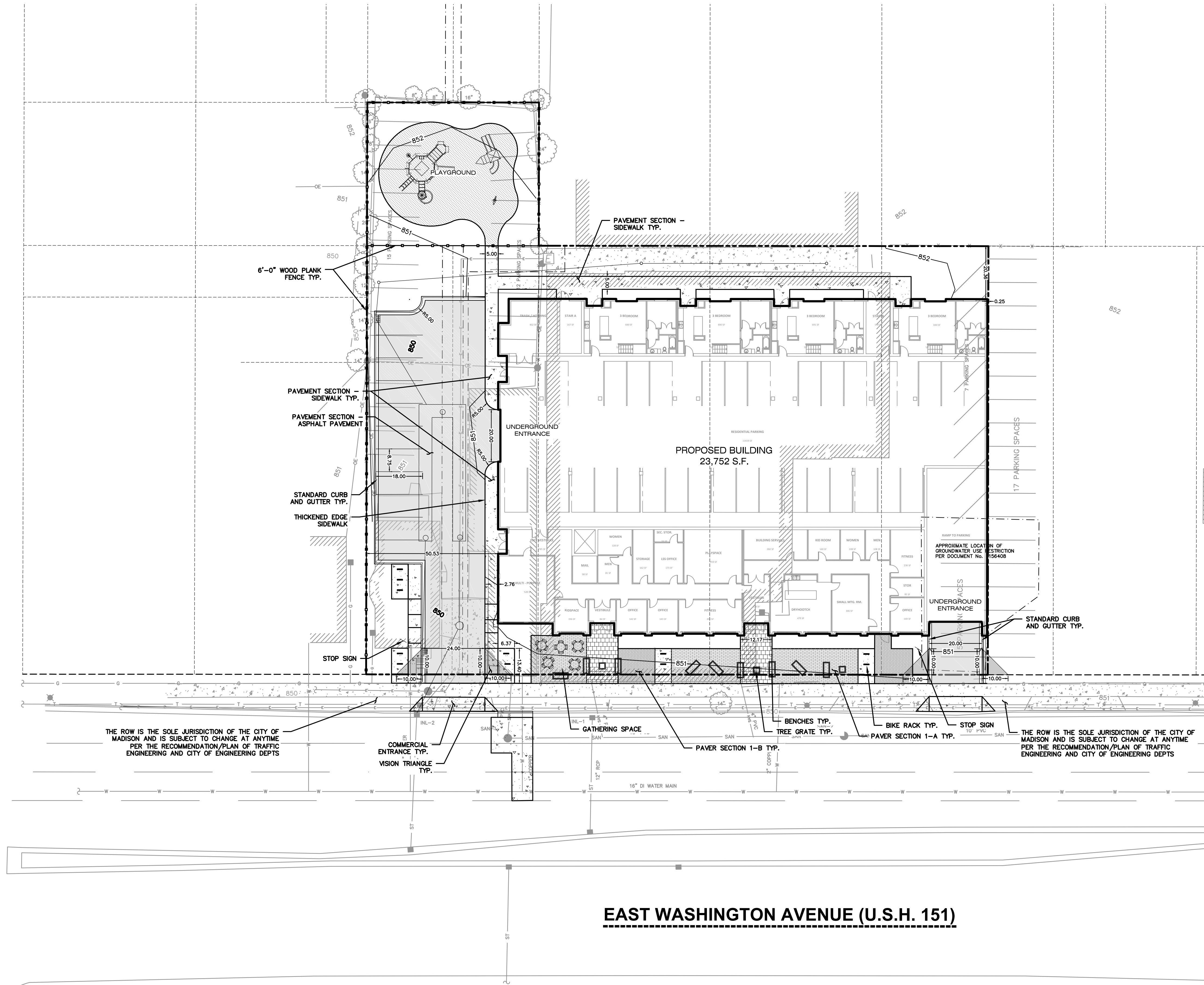
EAST WASHINGTON AVENUE (U.S.H. 151)



PRELIMINARY
NOT FOR CONSTRUCTION

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LEGEND (SITE PLAN)

---	PROPERTY LINE
- - -	RIGHT-OF-WAY
- · - · -	EASEMENT LINE
---	BUILDING OUTLINE
---	EDGE OF PAVEMENT
---	STANDARD CURB AND GUTTER
---	REJECT CURB AND GUTTER
---	MOUNTABLE CURB
---	ASPHALT PAVEMENT
---	HEAVY DUTY ASPHALT PAVEMENT
---	CONCRETE PAVEMENT
---	HEAVY DUTY CONCRETE PAVEMENT
---	SAWCUT EXISTING PAVEMENT
---	ADA PARKING BOLLARDS/SIGNS
---	FENCE

- GENERAL NOTES:**
- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS.
 - ALL WORK IN THE ROW AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN AND THE MUNICIPAL REQUIREMENTS.
 - EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS.
 - NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
 - JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.

- SITE PLAN NOTES**
- ALL DIMENSIONS TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
 - ALL RADII TO FACE OF CURB AND/OR EDGING OF CONCRETE UNLESS OTHERWISE NOTED.
 - ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET THE REQUIREMENTS OF THE CITY OF MADISON.
 - CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE-QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.
 - CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.
 - EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK-26UV CONCRETE SEALANT.
 - MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.
 - 2' x 4' TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.
 - ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH HIGH VISIBILITY YELLOW LATEX PAINT PER SPECIFICATIONS.

SITE INFORMATION BLOCK	
Site Address	1326 E. WASHINGTON AVE.
Existing Site Acreage (total)	.987
Number of Building Stories (above grade)	5
Total Building Square Footage	23,752 SF
Proposed Zoning	TRADITIONAL EMPLOYMENT (TE)
Number of parking stalls:	
Surface	11
Underground	74
Accessible	3
Total Stalls	88
Existing vs. Proposed Site Coverage:	
Existing Impervious Surface Area	41,276 S.F.
Existing Pervious Surface Area	3,780 S.F.
Proposed Impervious Surface Area	34,042 S.F.
Proposed Pervious Surface Area	9,083 S.F.
Proposed Impervious Surface Area Ratio	.79

EAST WASHINGTON AVENUE (U.S.H. 151)

Scale in Feet: 20' 0 20'

north

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OREGON, WI, 53575**

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VALOR ON WASHINGTON

PROJECT LOCATION:
**CITY OF MADISON, WI
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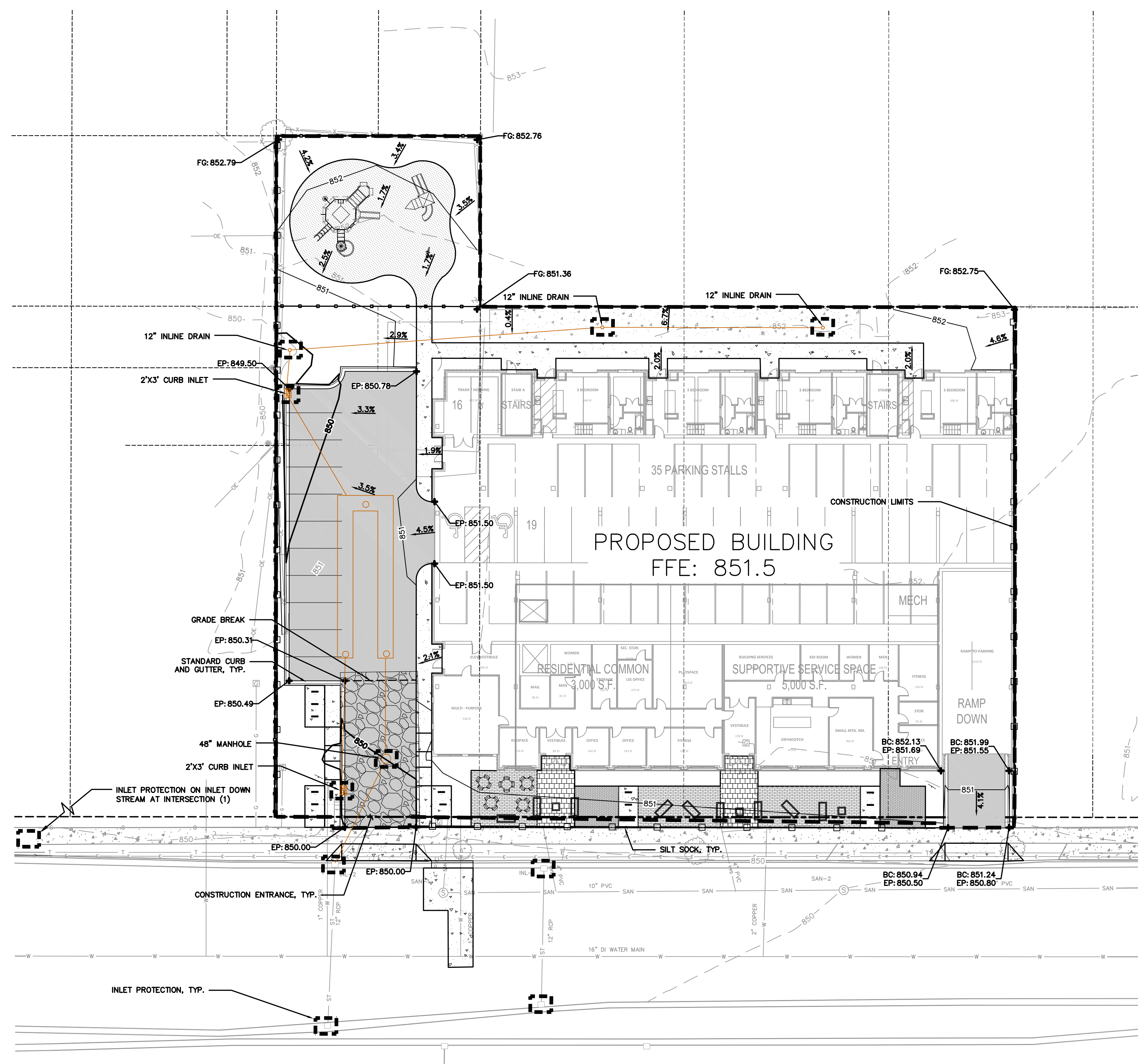
Design/Drawn: CHG
Approved: WHD

SHEET TITLE:
SITE PLAN

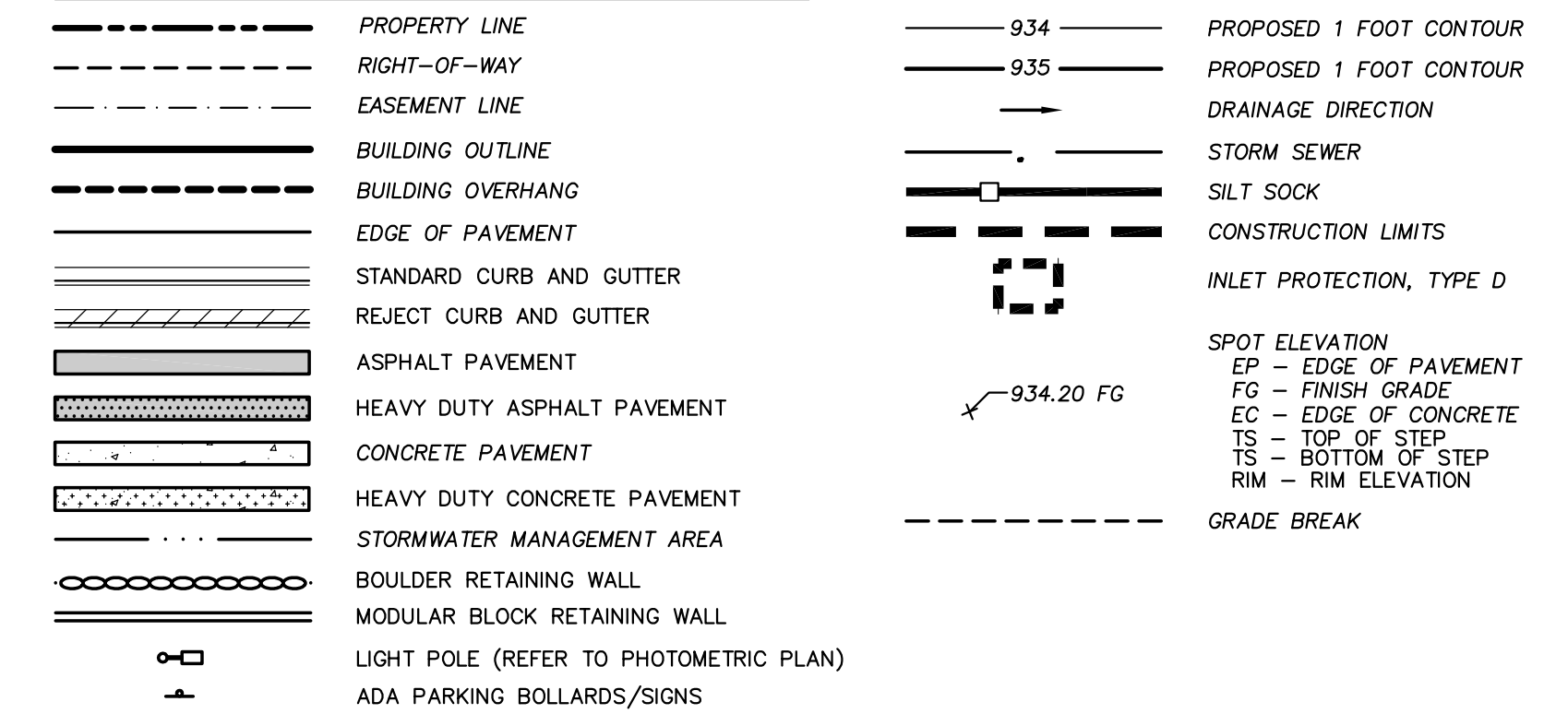
SHEET NUMBER:
C2.0

JSD PROJECT NO: 18-0568

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LEGEND (GRADING & EROSION CONTROL PLAN)



CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS (CSECR) NOTES:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE DESIGNED AND IMPLEMENTED IN ACCORDANCE WITH THE CURRENT DEPARTMENT OF NATURAL RESOURCES EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS WHICH ARE AVAILABLE AT: <http://www.dnr.state.wi.us/runoff/stormwater/techstds.htm>
2. INSTALL EROSION CONTROL MEASURES PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIALS AS SHOWN ON PLAN. MODIFICATIONS TO SEDIMENT CONTROL DESIGN MAY BE CONDUCTED TO MEET UNFORESEEN FIELD CONDITIONS IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS.
3. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
4. INSPECT EROSION CONTROL MEASURES AFTER EACH 1/2" OR GREATER RAINFALL. REPAIR ANY DAMAGE OBSERVED DURING THE INSPECTION.
5. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% OF THE COVER FOR THE UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
6. INSTALL A TRACKING PAD, 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. TRACKING PADS ARE TO BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO THE ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
7. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES.
8. INSTALL TEMPORARY SEDIMENT TRAPS PER LATEST EDITION OF WDNR STORM WATER CONSTRUCTION TECHNICAL CONSTRUCTION SITE EROSION & SEDIMENT CONTROL STANDARDS NOTE 106.3. SEDIMENT TRAPS SHALL BE SIZED BASED ON MEDIUM SOIL TEXTURAL CLASS. SEDIMENT TRAPS SHALL BE INSPECTED WITHIN 24 HOURS AFTER EVERY RAIN EVENT PRODUCING 0.5 INCHES OF RAIN OR MORE AND AT A MINIMUM SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES A DEPTH OF 1 FOOT OR WHEN OUTLET BECOMES CLOGGED. SEDIMENT TRAPS SHALL BE REMOVED AND THE LOCATION STABILIZED AFTER THE DISTURBED AREA DRAINING TO THE SEDIMENT TRAP IS STABILIZED AND NO LONGER SUSCEPTIBLE TO EROSION. ALL SEDIMENT SHALL BE PROPERLY DISPOSED.
9. INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AND IN FRONT OF SILT FENCING IN ANY LOW AREA ALL IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS.
10. INSTALL STONE CHECK DAMS IN SWALE SOUTH OF THE PROPOSED GRAVEL PARKING LOT. STONE CHECK DAMS SHALL BE INSTALLED EVERY 75 FEET, AT THE INVERT OF THE SWALE. CHECK DAMS SHALL BE A MINIMUM OF 1.5 FEET IN HEIGHT ABOVE THE INVERT OF THE SWALE AND EXTENDED TO SWALE SIDE SLOPES, EACH WAY. STONE CHECK DAMS SHALL BE INSTALLED FOLLOWING FINISH GRADING OF SITE AND PRIOR TO PLACEMENT OF GRAVEL SURFACE ON PARKING LOT. TEMPORARY SEDIMENT TRAPS SHALL BE REMOVED PRIOR TO THE INSTALLATION OF SWALE STONE CHECK DAMS. REFER TO DETAIL 4/C4.0 FOR CONSTRUCTION DETAILS OF STONE CHECK DAM.
11. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
 - A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
11. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, AND/OR ENGINEER SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
12. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING AND DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING, WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. REFER BELOW TO "CSECR" NOTE NO. SIXTEEN (16) FOR STABILIZATION PRACTICES FOR POTENTIAL INTERIM STABILIZATION.
13. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON VEGETATIVE STABILIZATION AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.
14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
15. ALL SITE GRADING AND DISTURBANCE SHALL BE OUTSIDE 10' WETLAND SETBACK (BUFFER ZONE)
16. SILT FENCE LOCATION REPRESENTED ON SHEET C2.0 INDICATES DISTURBANCE LIMITS. REFER TO CSECR NOTE 14 FOR DETAILS.
17. STABILIZATION PRACTICES:
 - 17.1. * STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
 - * THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 17.2. * CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
 - 17.3. * STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
 - * PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
 - * TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE)
 - * HYDRO-MULCHING WITH A TACKIFIER
 - * GEOTEXTILE EROSION MATTING
 - * SODDING

GRADING AND SEEDING NOTES

1. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
2. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES WITH SILT FENCING FOR EROSION CONTROL UNTIL CONSTRUCTION IS COMPLETED AND NOTICE OF TERMINATION FILED.
4. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES ALL STORMWATER MANAGEMENT FACILITIES JUST PRIOR TO SODDING AND/OR SEEDING AND MULCHING TO PROMOTE INFILTRATION.
5. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
6. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
7. THE CONTRACTOR SHALL NOTIFY THE CITY OF MADISON TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBING ACTIVITY.
8. IF GRADING ACTIVITIES STOP ON ANY PORTION OF LAND FOR 14 OR MORE CALENDAR DAYS, THE AREA IN QUESTION MUST BE TEMPORARILY STABILIZED.
9. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.



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CLIENT:



CLIENT ADDRESS:
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CITY OF MADISON, WI
DANE COUNTY

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Design/Drawn:
Approved:

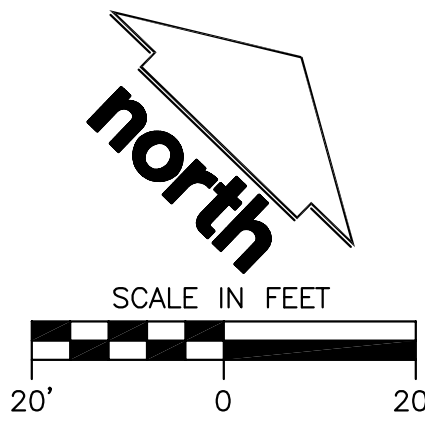
SHEET TITLE:
GRADING & EROSION CONTROL PLAN

SHEET NUMBER:
C3.0

JSD PROJECT NO: 18-8568



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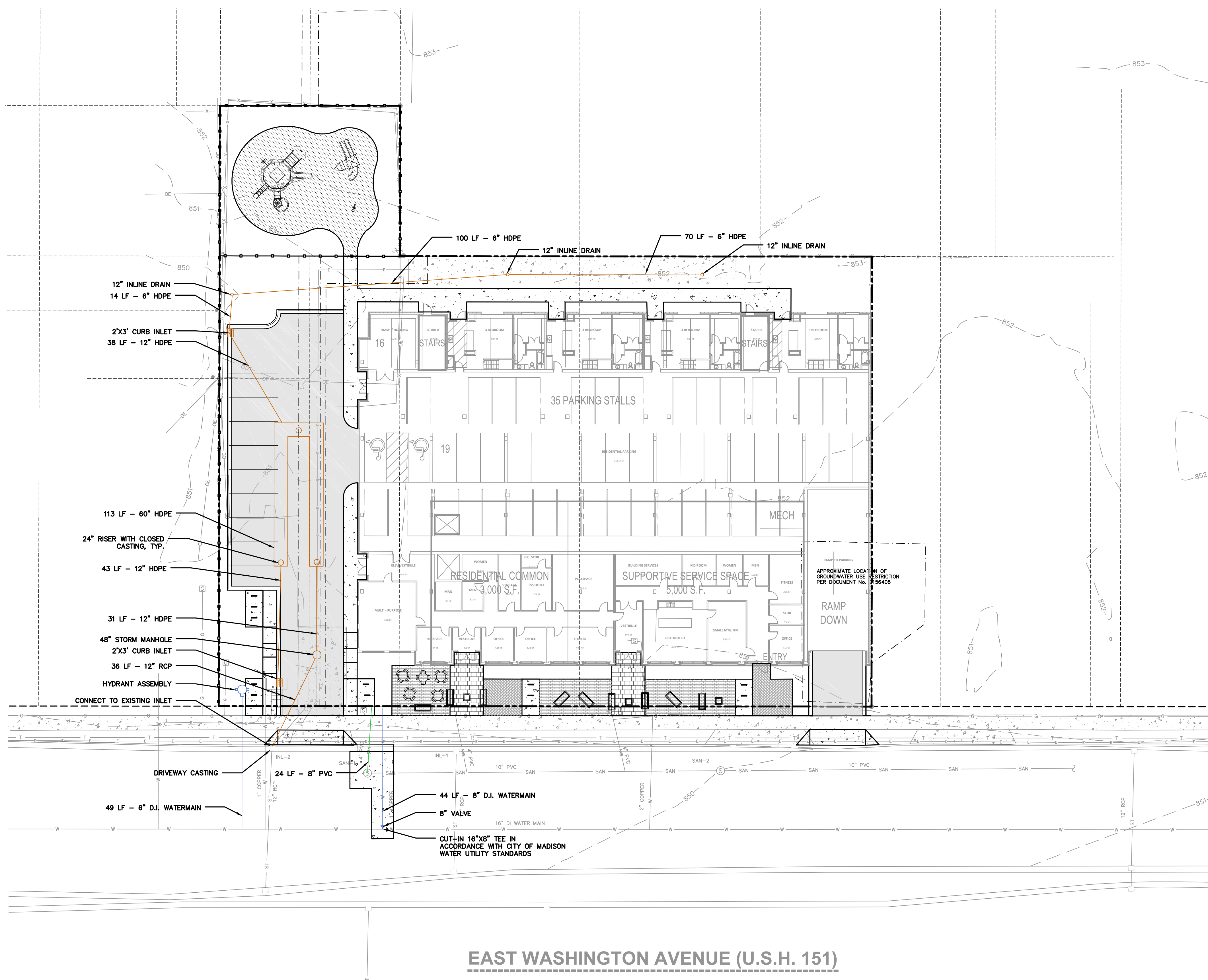
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LEGEND (UTILITY PLAN)

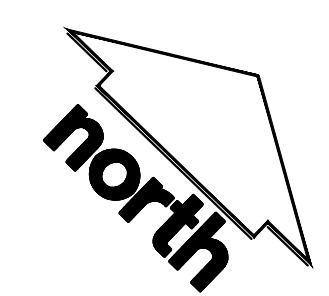
- PROPERTY LINE
- - - RIGHT-OF-WAY
- - - EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORMWATER MANAGEMENT AREA
- BOULDER RETAINING WALL
- MODULAR BLOCK RETAINING WALL
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ▲ ADA PARKING BOLLARDS/SIGNS
- SANITARY SEWER
- WATERMAIN
- STORM SEWER

UTILITY NOTES:

1. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
2. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED.
4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND WISDOT, WDSFS, AND WDNR.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - * EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - * OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
 - * VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
 - * NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
 - * NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.
7. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.
8. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
10. CONTRACTOR SHALL CONTACT THE MUNICIPALITY'S PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES. CONTRACTOR TO VERIFY SIZE AND DEPTH OF EXISTING UTILITY SERVICES AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONNECTING.
11. CONTRACTOR MUST CONTACT AND IS REQUIRED TO NOTIFY THE MUNICIPAL WATER UTILITY 48 HOURS IN ADVANCE OF CONNECTING TO THE PUBLIC UTILITY.
12. ALL PRIVATE SANITARY BUILDING PIPE AND TUBING SHALL CONFORM TO SPS 384.30-2.
13. ALL PRIVATE STORM BUILDING PIPE AND TUBING SHALL CONFORM TO SPS 384.30-3.
14. ALL PRIVATE PIPE AND TUBING FOR WATER SERVICE SHALL CONFORM TO SPS 384.30-4.
15. ALL PRIVATE STORM PIPE SHALL CONFORM TO SPS 382.40(8)(B)4.A.
16. ALL PRIVATE PIPE SHALL BE INSTALLED PER SPS 382.40-8 INCLUDING AT LEAST 8' OF HORIZONTAL DISTANCE BETWEEN WATER PIPING AND SANITARY SEWER FROM CENTER OF PIPE TO CENTER OF PIPE AND 6' OF SEPARATION BETWEEN STORM SEWER AND WATER PIPING.
17. ALL LOCATIONS WHERE STORM SEWER AND WATER MAIN ARE CROSSING AND LESS THAN 3 FEET OF VERTICAL/HORIZONTAL SEPERATION IS PROVIDED, WATER MAIN SHALL BE INSULATED PER STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN LATEST EDITION. INSULATION SHALL CREATE A "BOX" ENCLOSED THE TOP AND SIDES OF WATER MAIN.



EAST WASHINGTON AVENUE (U.S.H. 151)



SCALE IN FEET
20' 0 20'

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P. 608.848.5060



CLIENT ADDRESS:
200 NORTH MAIN STREET
OREGON, WI, 53575

PROJECT:
VALOR ON WASHINGTON

PROJECT LOCATION:
CITY OF MADISON, WI
DANE COUNTY

PLAN MODIFICATIONS:

#	Date:	Description:
1	06.08.18	LAND USE SUBMITTAL
2	08.15.18	LAND USE RE-SUBMITTAL
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Design/Drawn:
Approved:

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C4.0

JSD PROJECT NO: 18-8568

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PRELIMINARY
NOT FOR CONSTRUCTION

PRELIMINARY
NOT FOR CONSTRUCTION

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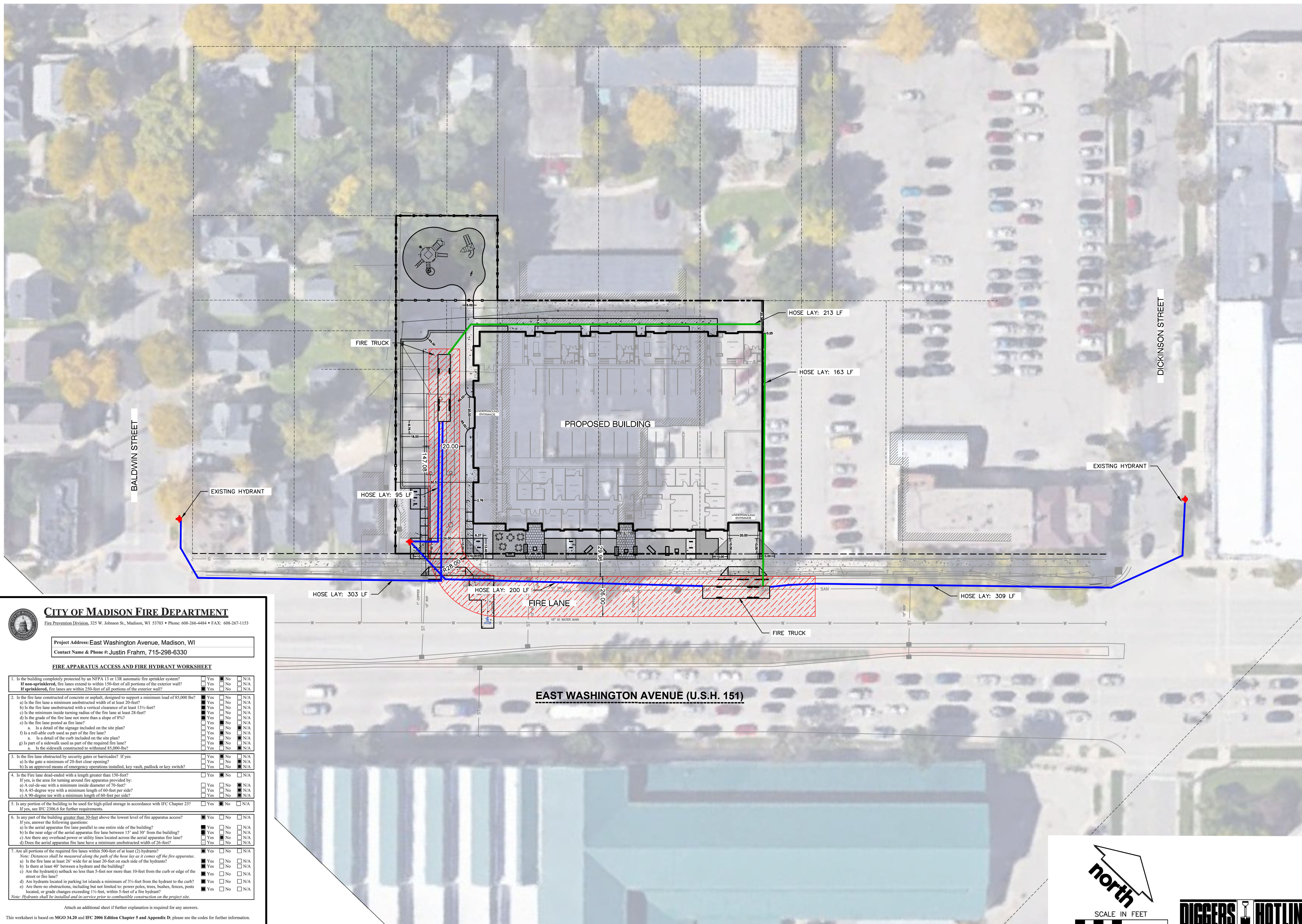
Design/Drawn: CHG
Approved: WHD

SHEET TITLE:
FIRE ACCESS PLAN

SHEET NUMBER:

C5.0

JSD PROJECT NO: 18-8568



CITY OF MADISON FIRE DEPARTMENT
Fire Prevention Division, 325 W. Johnson St., Madison, WI 53703 • Phone: 608-266-4484 • FAX: 608-267-1153

Project Address: East Washington Avenue, Madison, WI
Contact Name & Phone #: Justin Frahm, 715-298-6330

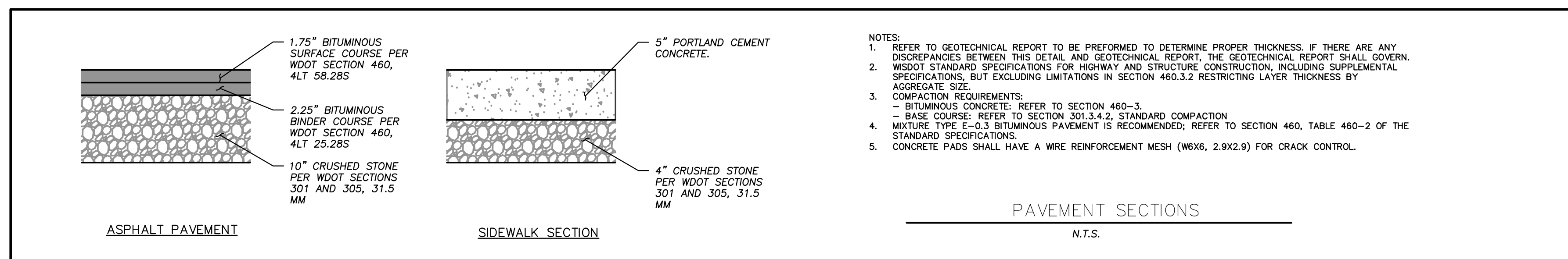
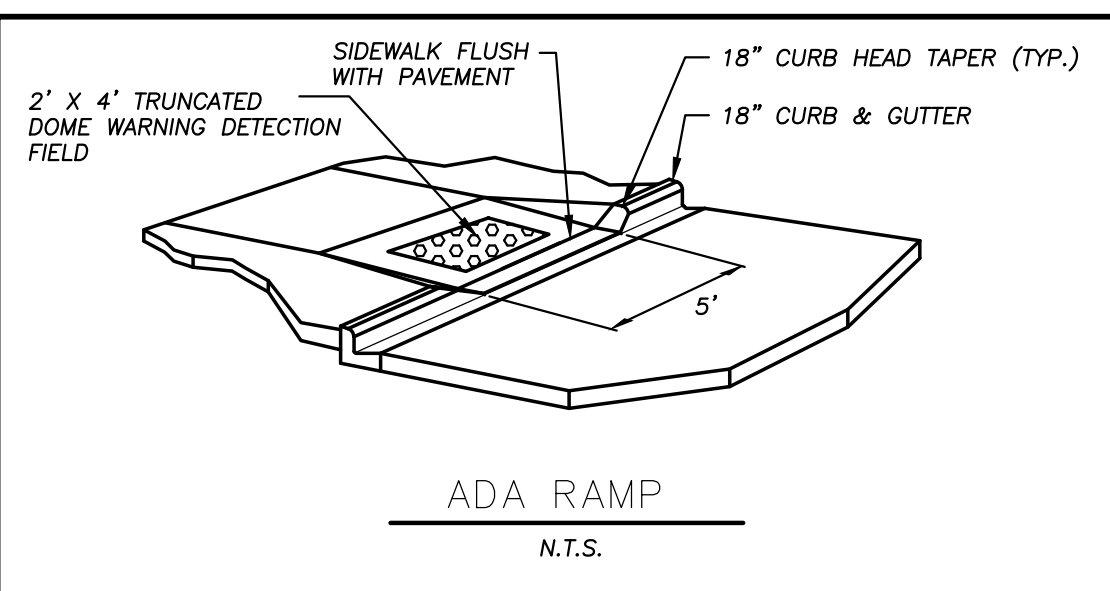
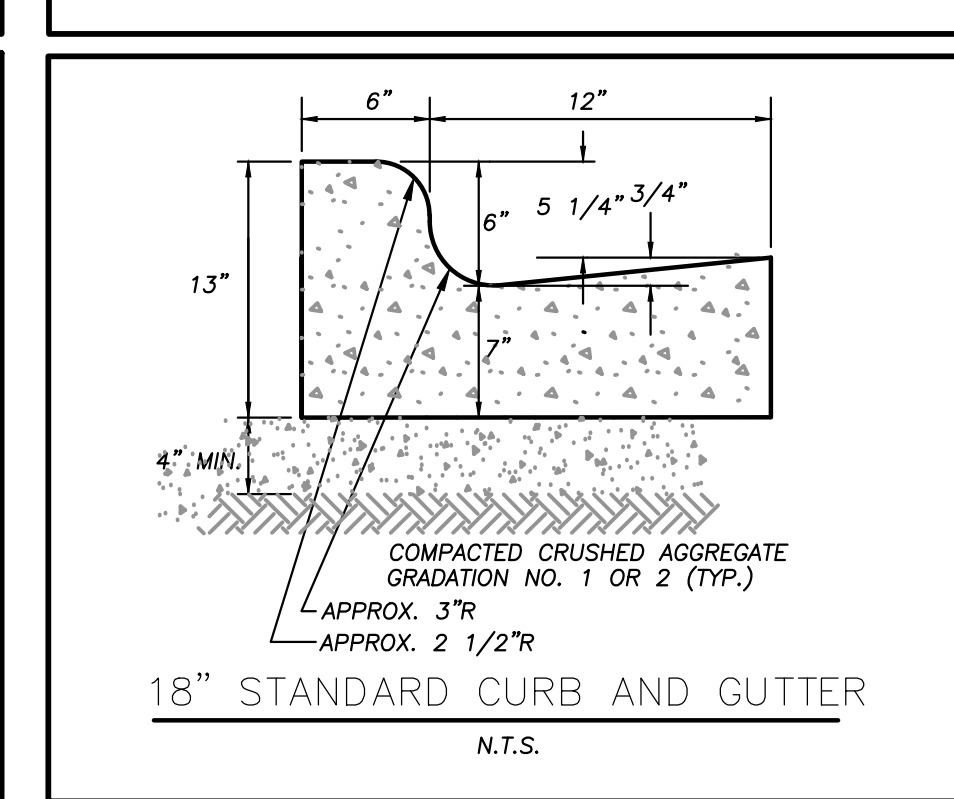
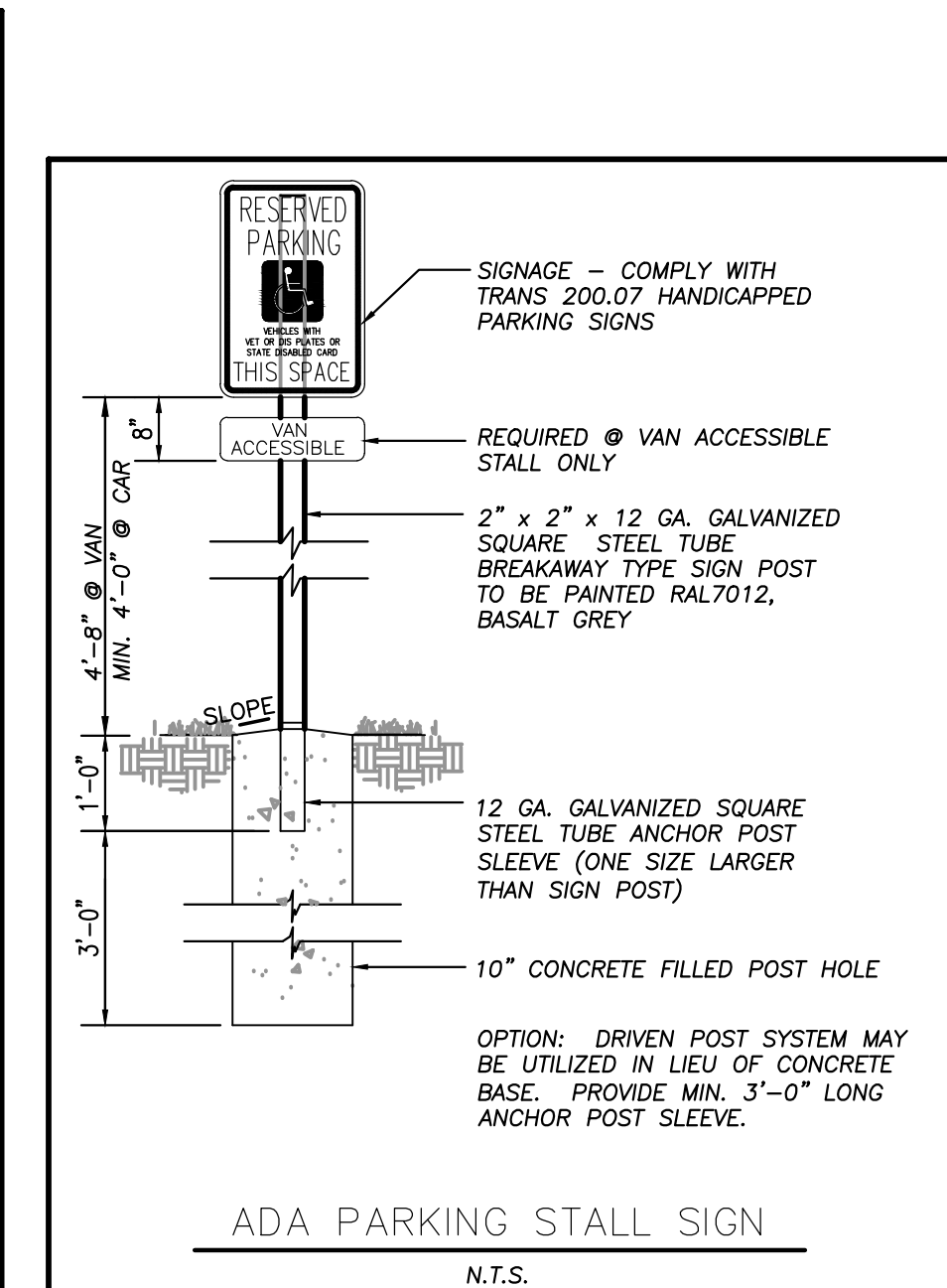
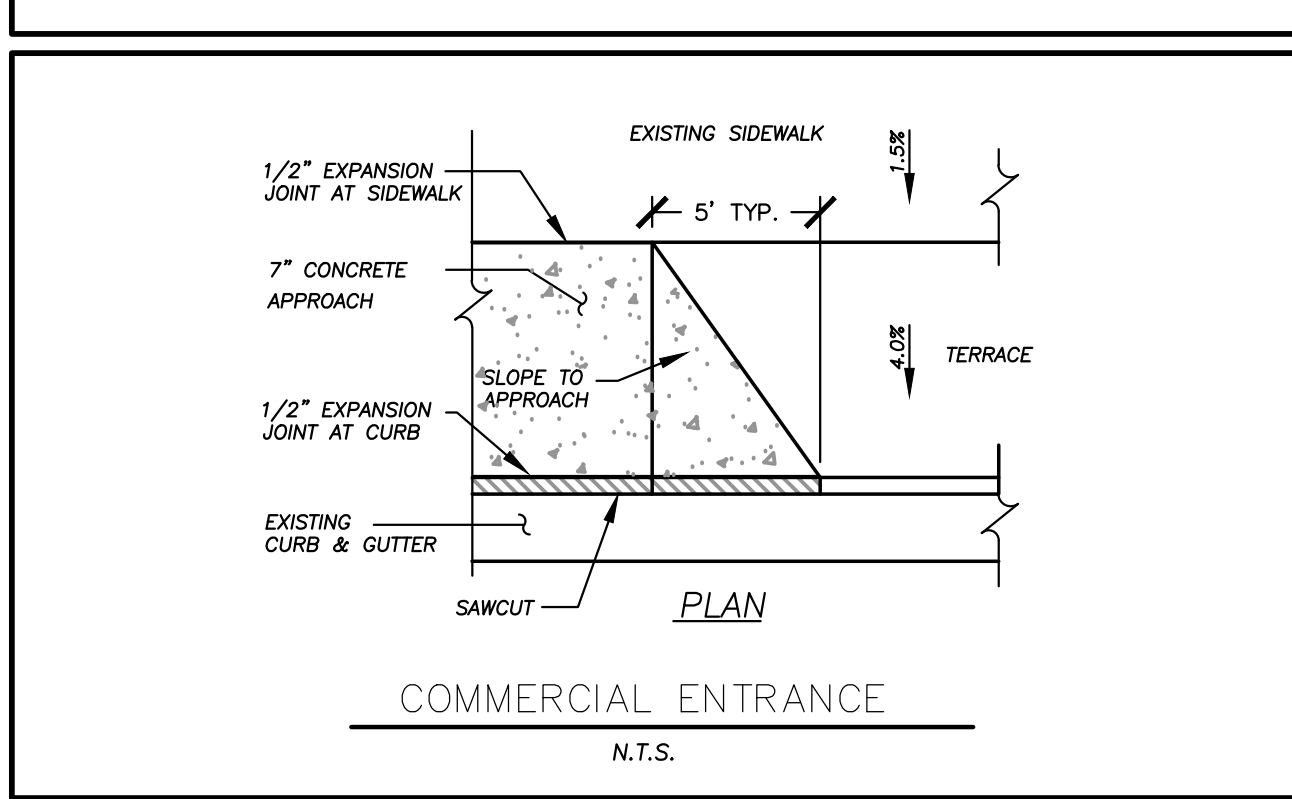
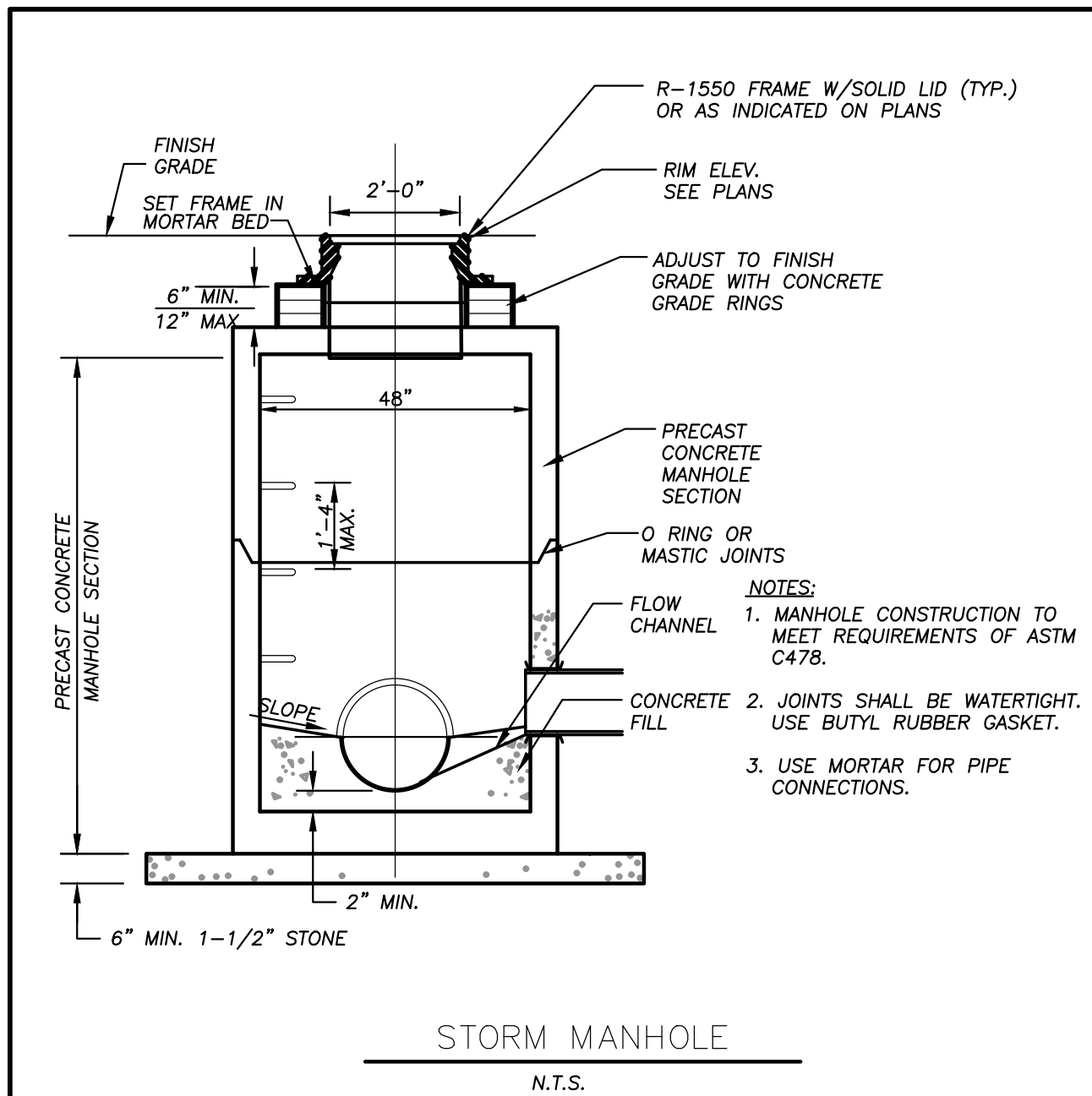
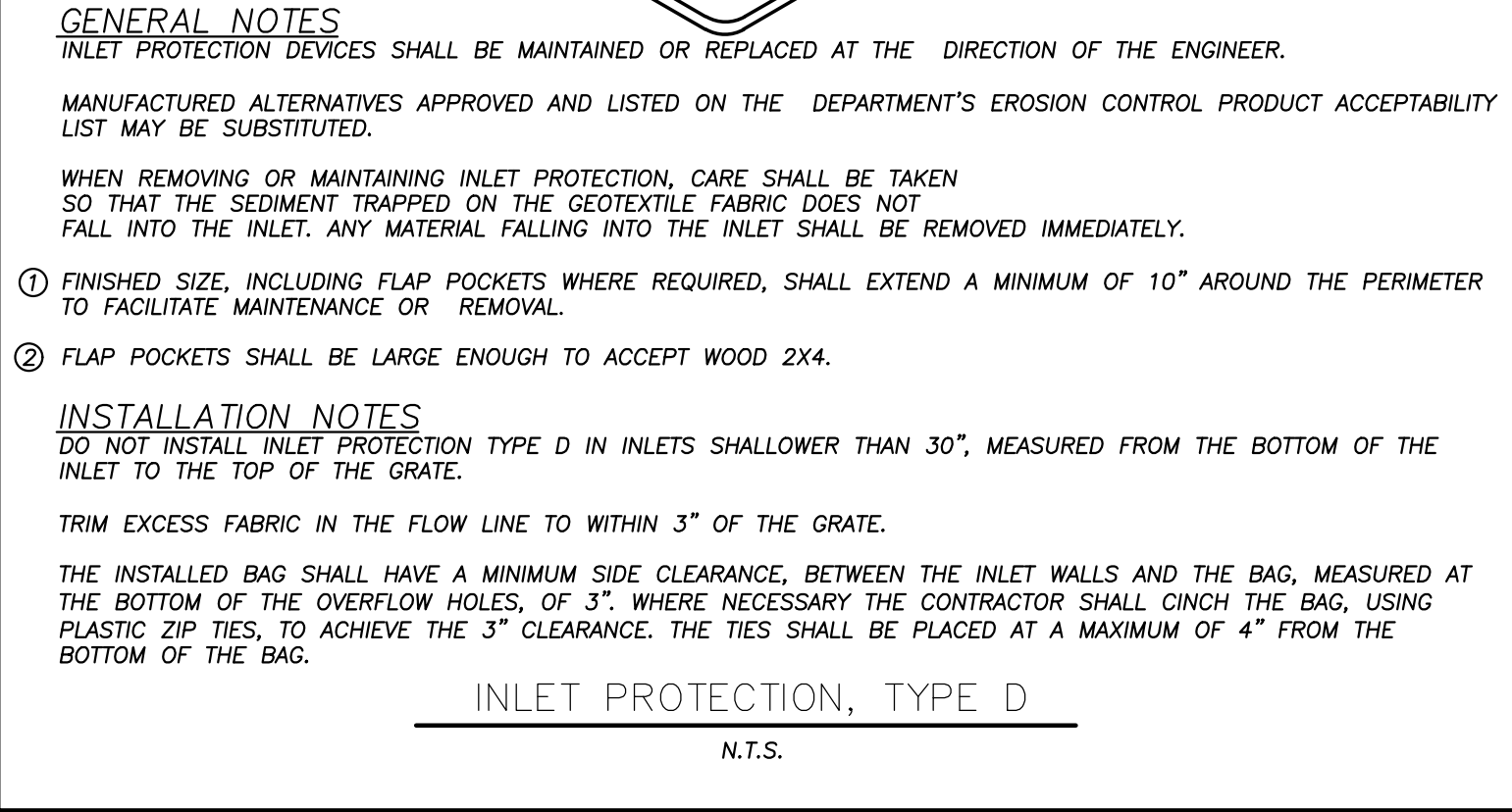
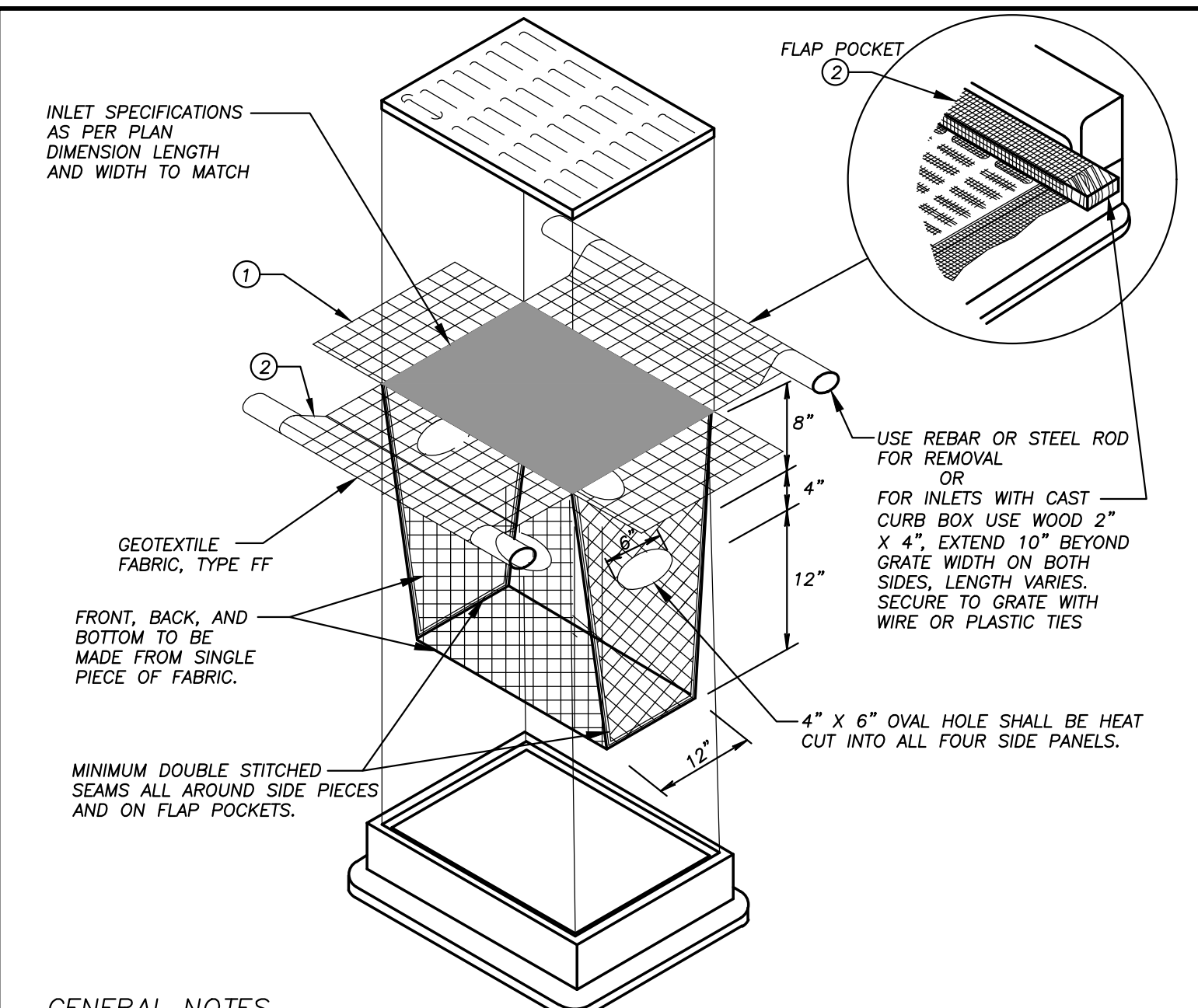
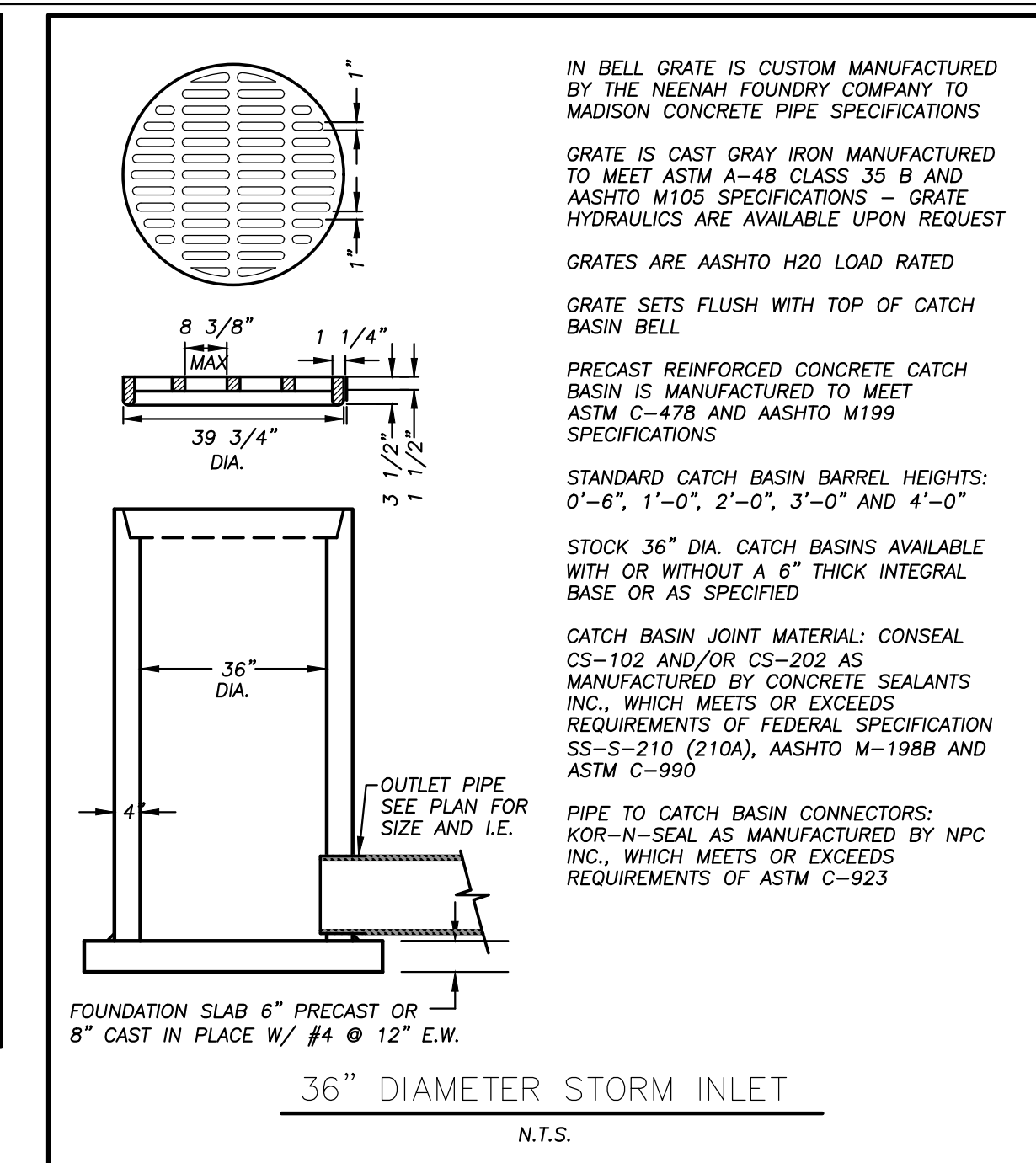
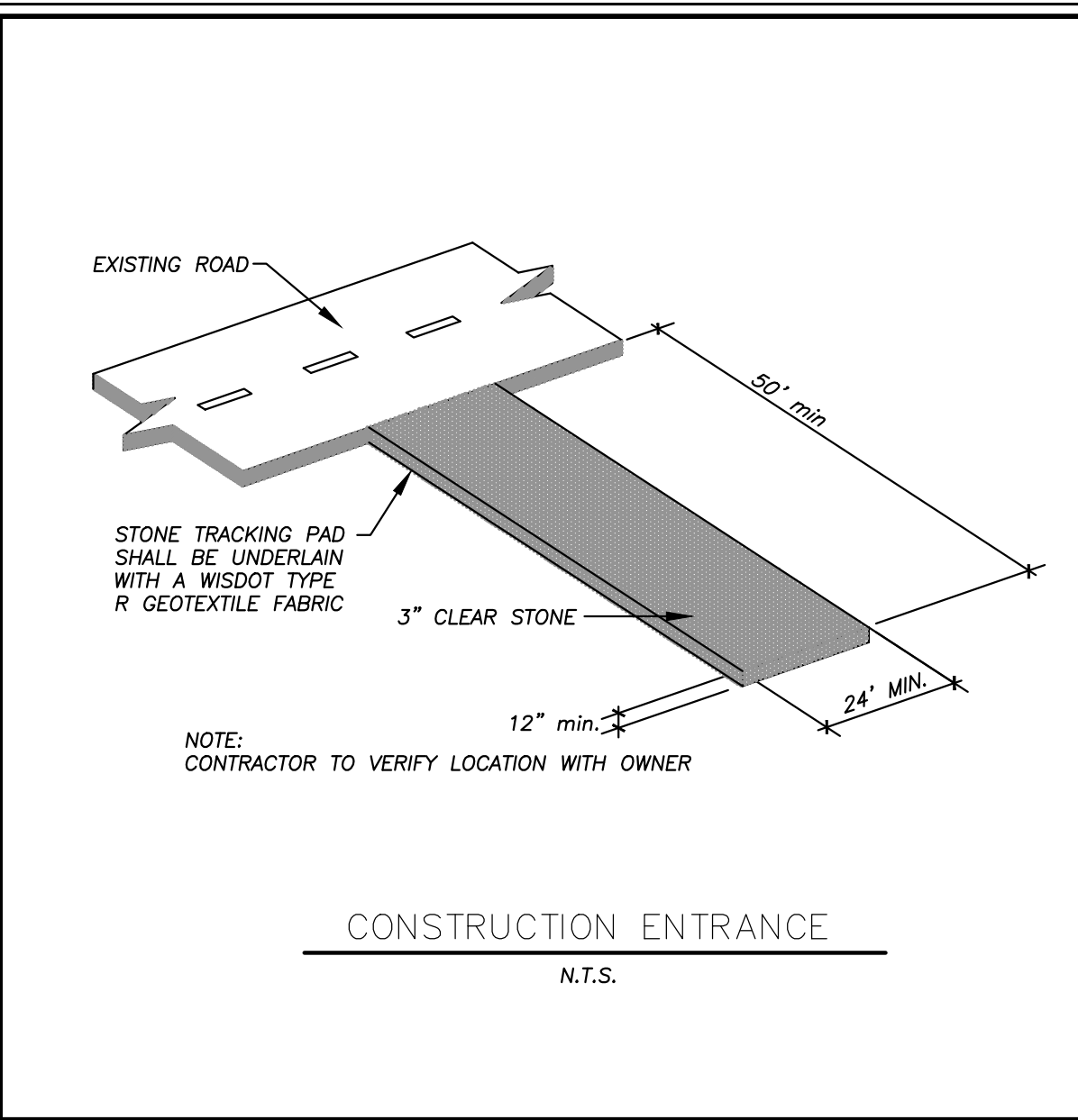
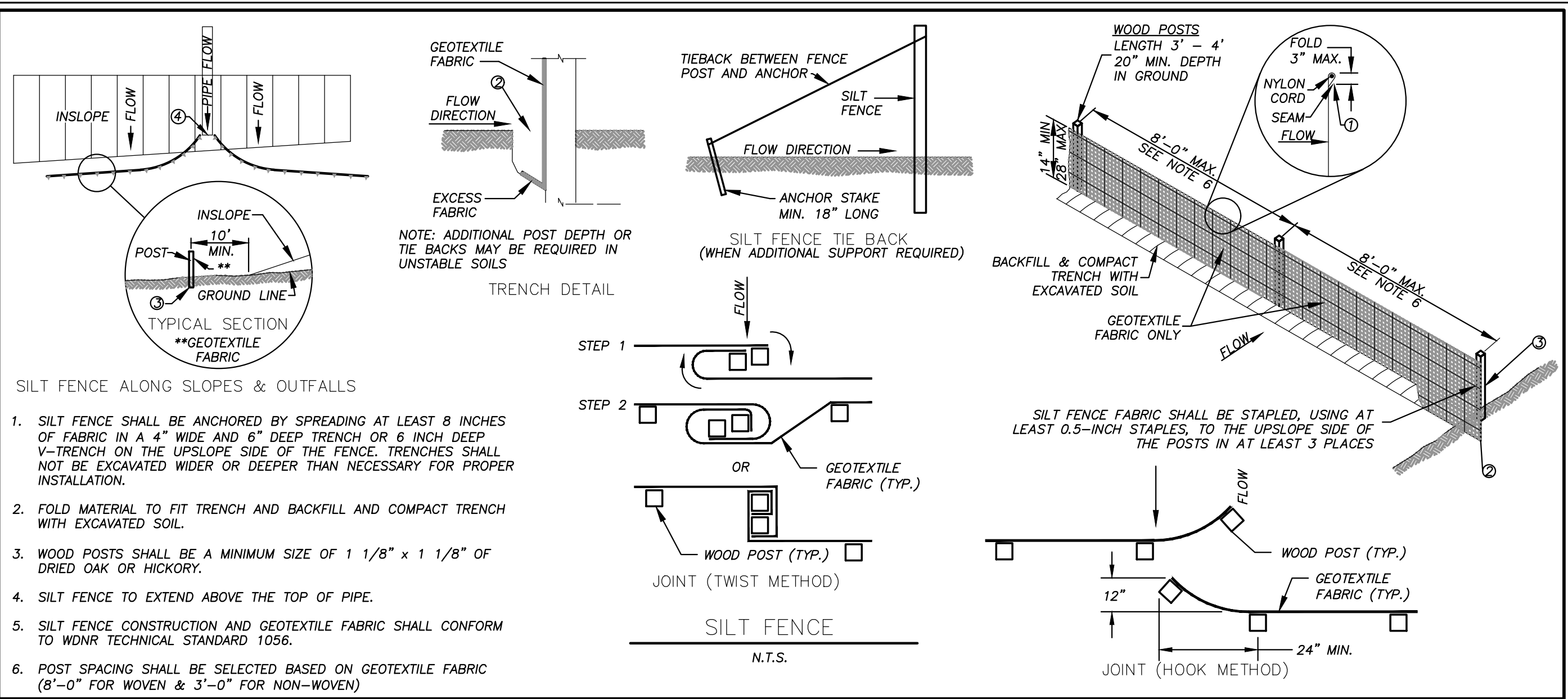
FIRE APPARATUS ACCESS AND FIRE HYDRANT WORKSHEET

- Is the building completely protected by an NFPA 13 or 13R automatic fire sprinkler system? Yes No N/A
If non-sprinklered, fire lines extend to within 150-feet of all portions of the exterior wall? Yes No N/A
If sprinklered, fire lines are within 250-feet of all portions of the exterior wall? Yes No N/A
- Is the fire lane constructed of concrete or asphalt, designed to support a minimum load of 85,000 lbs? Yes No N/A
a) Is the fire lane a minimum unobstructed width of at least 20-feet? Yes No N/A
b) Is the fire lane unobstructed with a vertical clearance of at least 13 1/2-feet? Yes No N/A
c) Is the minimum inside turning radius of the fire lane at least 24-feet? Yes No N/A
d) Is the grade of the fire lane not more than a slope of 8%? Yes No N/A
e) Is the fire lane posted as fire lane? Yes No N/A
f) Is a detail of the signage included on the site plan? Yes No N/A
g) Is a roll-able curb used as part of the fire lane? Yes No N/A
h) Is a detail of the curb included on the site plan? Yes No N/A
i) Is part of a sidewalk used as part of the required fire lane? Yes No N/A
j) Is the sidewalk constructed to withstand 85,000-lbs? Yes No N/A
- Is the fire lane obstructed by security gates or barricades? If yes: Yes No N/A
a) Is the gate a minimum of 20-foot clear opening? Yes No N/A
b) Is an approved means of emergency operations installed, key vault, padlock or key switch? Yes No N/A
- Is the fire lane dead-ended with a length greater than 150-feet? Yes No N/A
If yes, is the area for turning around fire apparatus provided by:
a) A cut-de-see with a minimum inside diameter of 70-feet? Yes No N/A
b) A 45-degree wye with a minimum length of 60-feet per side? Yes No N/A
c) A 90-degree tee with a minimum length of 60-feet per side? Yes No N/A
- Is any portion of the building to be used for high-piled storage in accordance with IFC Chapter 237? Yes No N/A
If yes, see IFC 2306.6 for further requirements.
- Is any part of the building greater than 30-feet above the lowest level of fire apparatus access? Yes No N/A
If yes, answer the following questions:
a) Is the aerial apparatus fire lane parallel to one entire side of the building? Yes No N/A
b) Is the aerial apparatus fire lane between 15' and 30' from the building? Yes No N/A
c) Are there any overhead power or utility lines located across the aerial apparatus fire lane? Yes No N/A
d) Does the aerial apparatus fire lane have a minimum unobstructed width of 26-feet? Yes No N/A
- Are all portions of the required fire lanes within 500-feet of at least (2) hydrants?
Note: Distances shall be measured along the path of the hose lay as it comes off the fire apparatus.
a) Is the fire lane at least 26' wide for at least 20-feet on each side of the hydrants? Yes No N/A
b) Is there at least 40' between a hydrant and the building? Yes No N/A
c) Are the hydrant(s) setback no less than 5-feet nor more than 10-feet from the curb or edge of the street or fire lane? Yes No N/A
d) Are hydrants located in parking lot islands a minimum of 3 1/2-feet from the hydrant to the curb? Yes No N/A
e) Are there no obstructions, including but not limited to: power poles, trees, bushes, fences, posts located, or grade changes exceeding 1 1/2-feet, within 5-feet of a fire hydrant? Yes No N/A
Note: Hydrants shall be installed and in-service prior to combustible construction on the project site.

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

This worksheet is based on MGO 34-20 and IFC 2006 Edition Chapter 5 and Appendix D; please see the codes for further information.

Revised 4/2011



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MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
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P. 608.848.5060

CLIENT:



CLIENT ADDRESS:
**200 NORTH MAIN STREET
OREGON, WI, 53575**

PROJECT:
VALOR ON WASHINGTON

PROJECT LOCATION:
**CITY OF MADISON, WI
DANE COUNTY**

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Design/Drawn: CHG
Approved: WHD

SHEET TITLE:
DETAILS

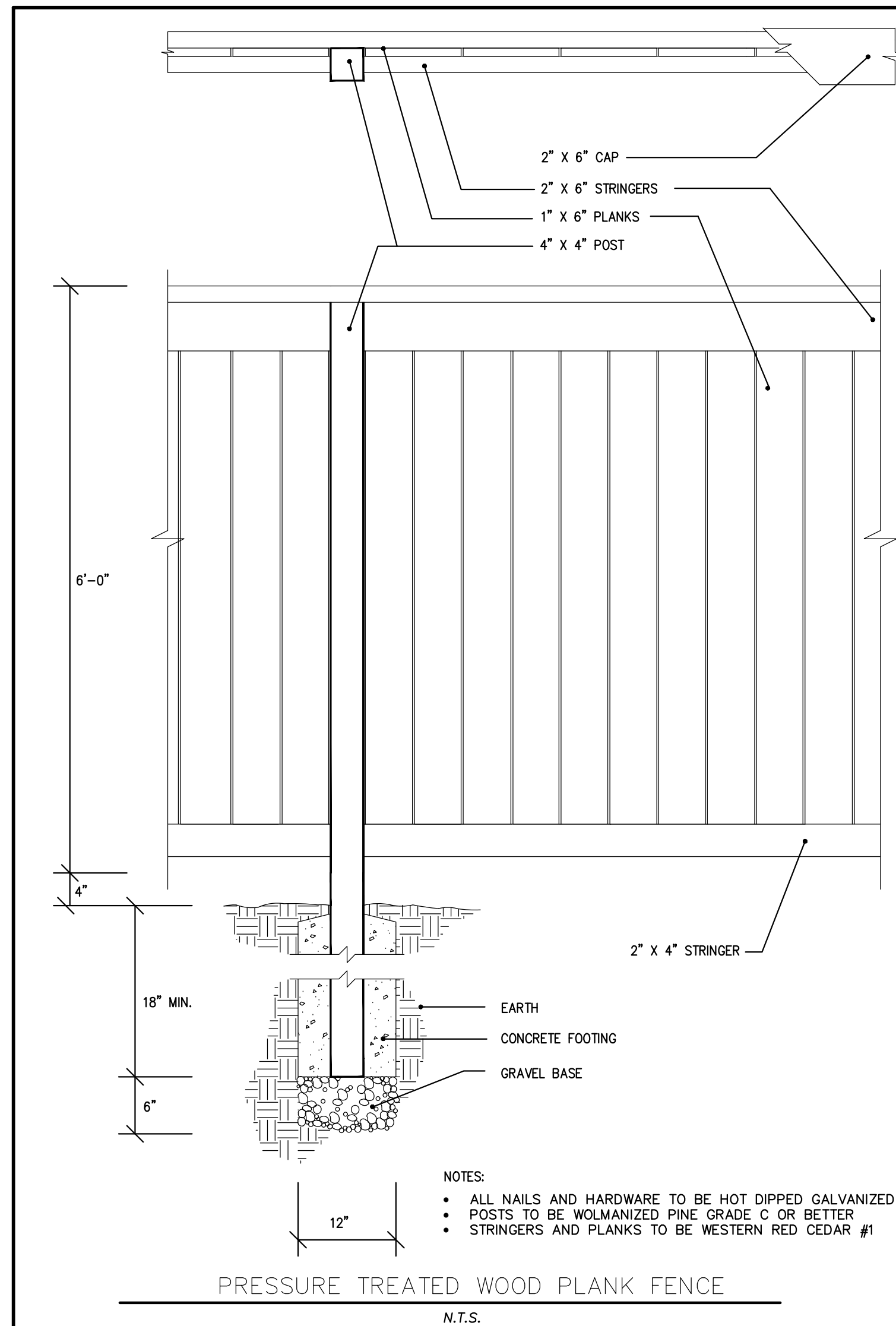
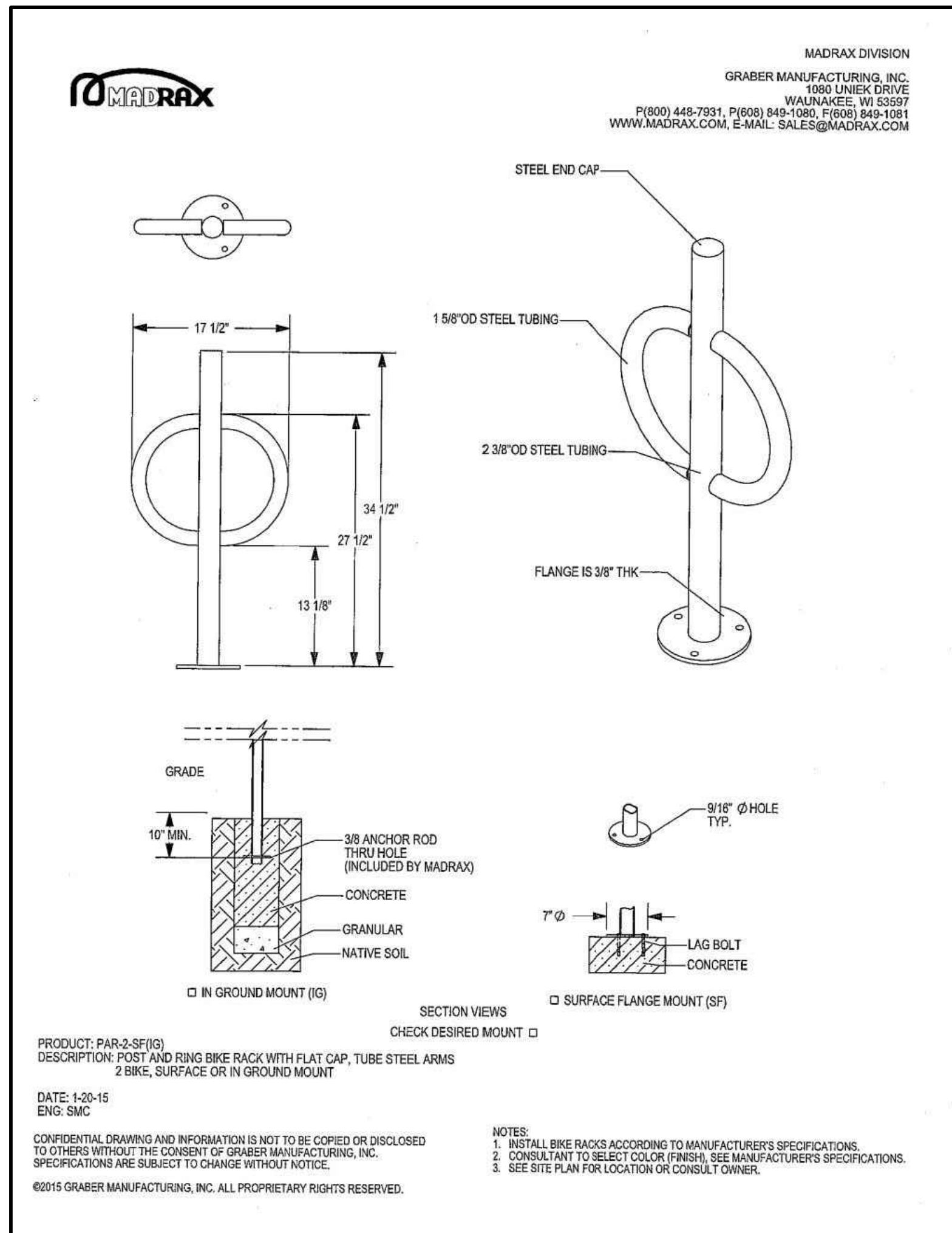
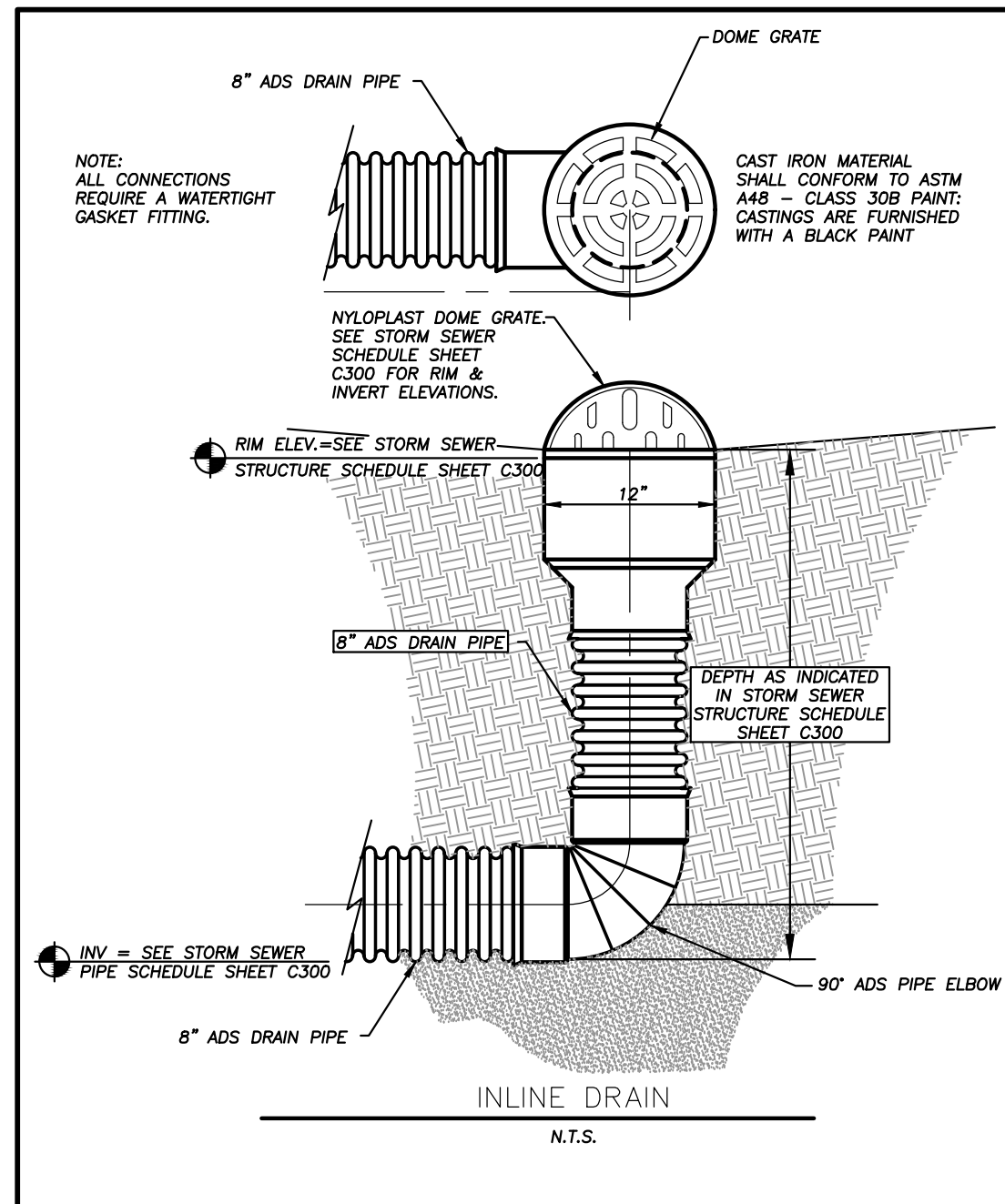
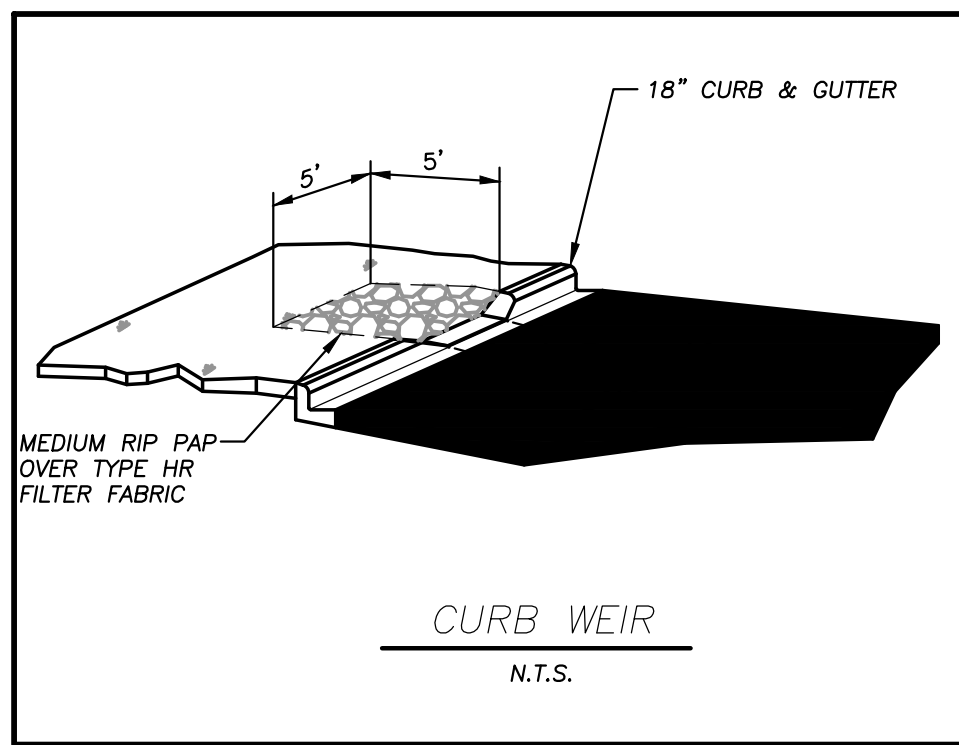
SHEET NUMBER:

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JSD PROJECT NO: 18-8568



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Design/Drawn: CHG
Approved: WHD

SHEET TITLE:
DETAILS

SHEET NUMBER:

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JSD PROJECT NO: 18-8568

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LEGEND (LANDSCAPE PLAN)

---	PROPERTY LINE	=====	BUILDING OUTLINE
- - - - -	RIGHT-OF-WAY	=====	EDGE OF PAVEMENT
- - - - -	EASEMENT LINE	=====	REJECT CURB AND GUTTER
ST	EXISTING STORM SEWER	=====	CONCRETE PAVEMENT
SAN	EXISTING SANITARY SEWER	=====	ASPHALT PAVEMENT
W	EXISTING WATER SERVICE	=====	FENCE
FO	EXISTING FIBER OPTIC	=====	LANDSCAPE EDGING
---	EXISTING GAS	=====	ADA PARKING BOLLARDS/SIGNS
999	EXISTING 1 FOOT CONTOUR	=====	BIKE RACK
1000	EXISTING 5 FOOT CONTOUR	=====	LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
999	PROPOSED 1 FOOT CONTOUR	=====	
1000	PROPOSED 5 FOOT CONTOUR	=====	
SAN	PROPOSED SANITARY SEWER	=====	
ST	PROPOSED STORM SEWER	=====	
W	PROPOSED WATER SERVICE	=====	

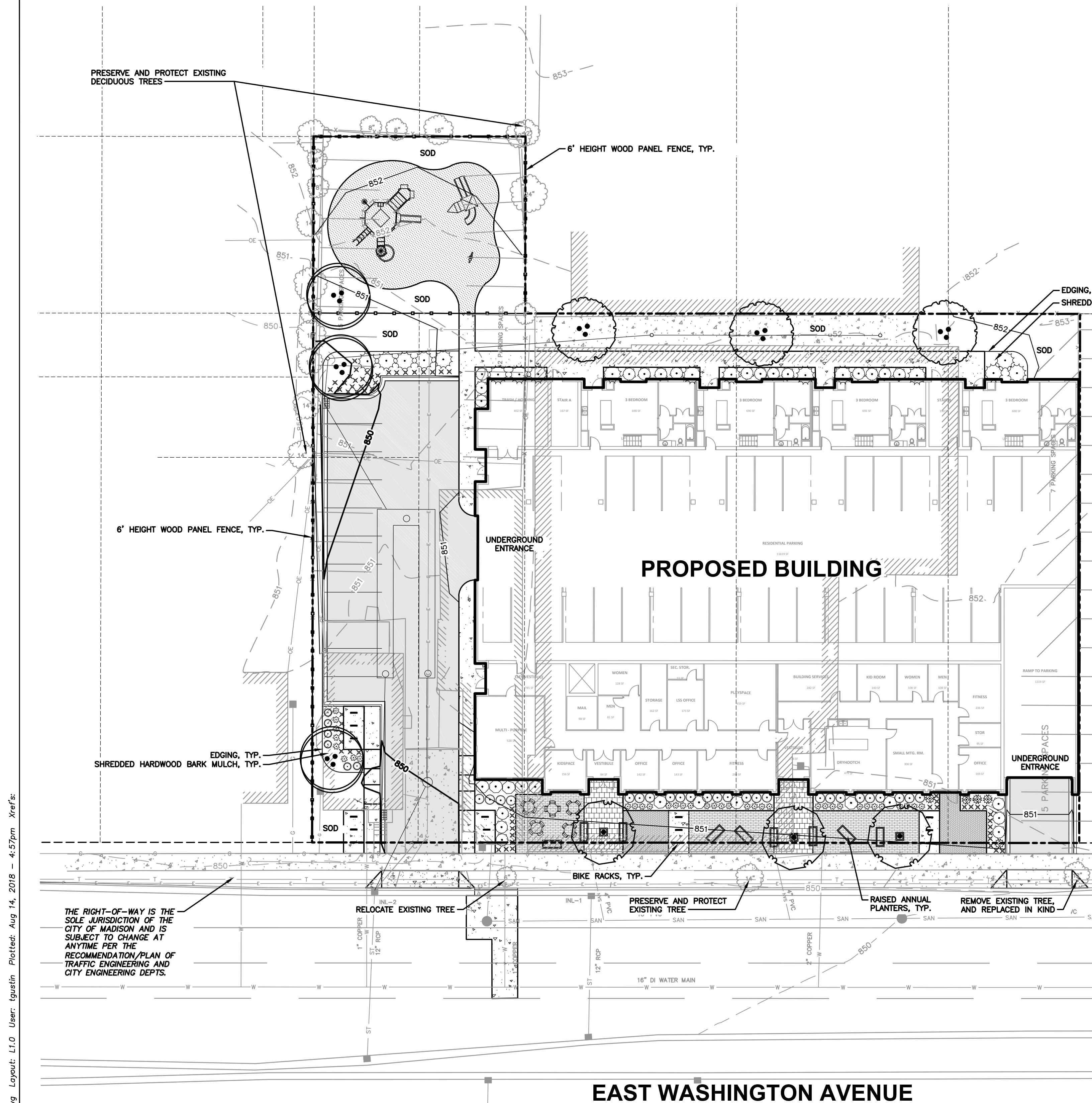
GENERAL NOTES:

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
- ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- DRAWING FOR REVIEW - NOT FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE TITLE BLOCK.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR
- REFER TO SHEET L2.0 FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN
- CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT CONFLICTS PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT
- DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION, AND FINISH GRADING ARE COMPLETE

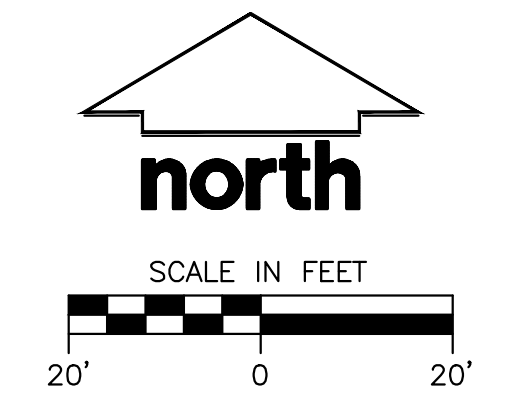
PLANT SCHEDULE

CODE	BOTANICAL NAME / COMMON NAME	CONT	SIZE	LS POINTS	QTY
Ø1-OVERSTORY DECIDUOUS TREE					
BH	<i>Betula nigra</i> 'Heritage' / Heritage River Birch	B & B	2.5" Cal	35	3
PC	<i>Pyrus calleryana</i> 'Cleveland Select' / Cleveland Select Pear	15 gal	2.5" Cal	35	3
Ø3-ORNAMENTAL TREE					
AA	<i>Amelanchier canadensis</i> 'Autumn Brilliance' / Autumn Brilliance Serviceberry	B & B	1.5" Cal	15	3
Ø5-DECIDUOUS SHRUB					
AM	<i>Aronia melanocarpa</i> 'Morton' TM / Iroquois Beauty Black Chokeberry	3 gal	12" tall min.	3	21
DC	<i>Diervilla sessilifolia</i> 'Cool Splash' / Cool Splash False Honeysuckle	3 gal	12" tall min.	3	25
HL	<i>Hydrangea paniculata</i> 'Jane' / Little Lime Hydrangea	3 gal	12" tall min.	3	1Ø
Ø6-EVERGREEN SHRUB					
JB	<i>Juniperus squamata</i> 'Blue Star' / Blue Star Juniper	3 gal	Min. 12"-24"	4	5
TD	<i>Taxus x media</i> 'Dark Green Spreading' / Dark Green Spreading Yew	3 gal	24" Min Ht.	4	17
Ø7-ORNAMENTAL GRASSES/PERENNIALS					
CK	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' / Feather Reed Grass	1 gal	12-18" Ht.	2	6
HA	<i>Hemerocallis x 'Chicago Apache'</i> / Daylily	1 gal	12-18" Ht.	2	6Ø
PL	<i>Perovskia atriplicifolia</i> 'Little Spire' / Little Spire Russian Sage	1 gal	12-18" Ht.	2	36

**PRELIMINARY
NOT FOR CONSTRUCTION**



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VALOR ON WASHINGTON - EXTERIOR LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LAMP SOURCE	DEL. LUMENS	CCT	MOUNTING	MANUFACTURER & SERIES	VOLTAGE	INPUT WATTS	DIMMING
D1	6" RECESSED DOWNLIGHT, WHITE REFLECTOR AND TRIM RING. - EXTERIOR ENTRY SOFFITS	LED	728	3000	RECESSED	HALO ML5606930/692W/750ICAT	UNV	10	NON-DIM
PL1	TYPE 5 MEDIUM DISTRIBUTION AREA LIGHT. PROVIDE WITH SQUARE STRAIGHT STEEL 15' POLE. MOUNT ON FLUSH CONCRETE BASE. BLACK FINISH. - PLAYGROUND AREA LIGHT.	LED	5130	3000	POLE	MCGRAW EDISON GALLEON GLEON-AF-01-XXX-LED-E1-SL3-BK-7030	UNV	44	NON-DIM
PL2	TYPE 3 DISTRIBUTION AREA LIGHT WITH SHARP CUTOFF BACKLIGHT. PROVIDE WITH SQUARE STRAIGHT STEEL 20' POLE. MOUNT ON 2.5' RAISED CONCRETE BASE. BLACK FINISH. - PARKING LOT AREA LIGHT.	LED	9211	3000	POLE	MCGRAW EDISON GALLEON GLEON-AF-02-LED-E1-SL3-BK-7030	UNV	113	NON-DIM
W1	TRAPEZOIDAL CUTOFF LUMINAIRE TYPE 2 DISTRIBUTION, BLACK FINISH. - BACK OF BUILDING MAN DOORS AND PARKING GARAGE ENTRANCE .	LED	2136	3000	WALL - 10' TO BOTTOM OF FIXTURE	MCGRAW EDISON IST-AF-350-LED-E1-SL2-BK-7030	UNV	20	NON-DIM
W2	DECORATIVE WALL SCONCE. MODIFIED FOR MAXIMUM 1000 DELIVERED LUMENS. SELECT FINISH. - MAIN ENTRANCE DOORS	LED	1000	3000	WALL - 84" TO BOTTOM OF FIXTURE	SPI HARBOR AEW9980-MOD-120-277V-FINISH-3000K-DR_OA	UNV	15	NON-DIM
W3	WALL MOUNT EXTERIOR CYLINDER WITH 30 DEGREE BEAM SPREAD. SELECT FINISH. - E WASHINGTON BUILDING FAÇADE	LED	1500	3000	WALL 30' ABOVE GRADE	FC LIGHTING FCC-10-WM-UNV-3K-CR83-15L-XX-D30	UNV	15	NON-DIM

GENERAL NOTE: ALWAYS REFER TO MANUFACTURER DATA FOR DIMMER COMPATIBILITY AND DETAILS. SOME DIMMERS REQUIRE A NEUTRAL IN THE WALL BOX.

HALO LED ICAT HOUSING for NEW CONSTRUCTION

The H750ICAT is a dedicated LED new construction housing to be used with designated HALO LED modules. The H750ICAT is designed for insulated ceilings and can be in direct contact with ceiling insulation*. This AIR-TITE housing design prevents airflow between conditioned and unconditioned spaces and saves on both heating and air conditioning costs. The LED connector system provides high efficacy code compliance when used with designated HALO LED modules and trims.

D1

HALO®

Catalog #		Type
Project		
Comments		Date
Prepared by		

DESIGN FEATURES

Housings

Aluminum construction for greater heat dissipation. H750 ICAT housing is gasketed to prevent airflow from heated or air conditioned spaces.

Plaster Frame

Galvanized steel frame. Housing adjusts in plaster frame to accommodate up to 1" ceiling thickness. Regressed locking screw for securing hanger bars. Cutouts included for easily crimping hanger bars in position

Slide-N-Side™ Junction Box

- Positioned to accommodate straight conduit runs.
- Seven 1/2" trade size conduit knockouts with true pry-out slots.
- Slide-N-Side wire traps allow non metallic sheathed cable to be installed without tools and without removing knockouts.
- Allows wiring connections to be made outside the box.
- Simply insert the cable directly into the trap after connections are made.
- Accommodates the following standard non-metallic sheathed cable type:
 - U.S. #14/2, #14/3, #12/2, #12/3
 - Canada: #14/2, #14/3, #12/2

GOT NAIL! Pass -N-Thru™ Bar Hangers

Bar Hanger features include

- Pre-installed nail easily installs in regular lumber, engineered lumber and laminated beams.
- Safety and Guidance system prevents snagging, ensures smooth, straight nail penetration and allows bar hangers to be easily removed if necessary
- Automatic leveling flange aligns the housing and allows holding the housing in place with one hand while driving nails.
- Housing can be positioned at any point within 24" joist spans
- Score lines allow tool-free shortening for 12" joists and bar hangers do not need to be removed for shortening.
- Bar hangers may be repositioned 90° on plaster frame
- Integral T-bar clip snaps onto T-bars – no additional clips are required.

LED Module Connection

Halo LED modules simply install with a plug-in 120V-277V rated line voltage wiring connector (UL and CSA Listed Luminaire Disconnect). This non-screw-base connection preserves the high efficacy rating and prevents use of low efficacy incandescent sources (see LED Module specifications).

Caution

Connection is rated for 120V and 277V input. Installer must verify LED module voltage is compatible with the applicable voltage input. If uncertain, consult a qualified electrician.

Labels

- UL/cUL Listed 1598 Luminaire
- CE Marking - "Conformité Européenne" conformity with the Council of European Communities Directives, meeting internationally recognized compliance when used with ML56 Series LED modules
- UL/cUL Listed for Feed Through
- UL/cUL Listed for Damp Location
- UL/cUL Listed for Wet Location with select trims
- UL/cUL Listed for direct contact with insulation and combustible material*
- Rated for 20W maximum

Qualification

May be used with qualified Halo LED modules and designated trims for High Efficacy Luminaire Compliance:

- State of California Title 24
- International Energy Conservation Code (IECC)
- Washington State Energy Code
- New York State Energy Conservation Construction Code - AIR-TITE™ Compliant
- Certified under ASTM-E283 standard for air-tight construction



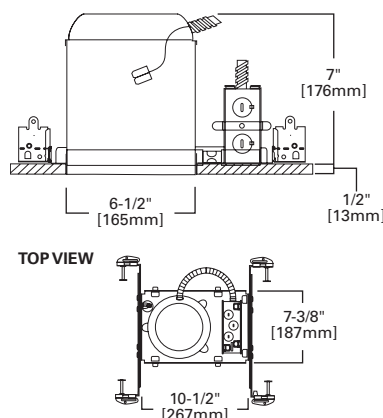
H750ICAT

6" New Construction IC AIR-TITE™ Housing For Halo LED Modules and Trims

- ML56 Series
- RL56 Series
- RA56 Series

High Efficacy LED Housing

**FOR USE IN INSULATED CEILINGS
FOR DIRECT CONTACT WITH INSULATION***



Qualified and compliant with select trims. Refer to ENERGY STAR® Qualified Products List and CEC (T24) Appliance Database for listings.

ORDERING INFORMATION - RL56 SERIES

SAMPLE NUMBER: H750ICAT - RL560WH6927
Order housing, light module, trim and separately.

Housing	RL56 LED - Compatible LED Retrofit Modules
H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing	<p>80 CRI RL560WH6827= 5"⁄6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Matte White RL560SN6827= 5"⁄6" Retrofit Baffle - Trim LED Module, 80CRI, 2700K, Satin Nickel RL560WH6830= 5"⁄6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Matte White RL560SN6830= 5"⁄6" Retrofit Baffle - Trim LED Module, 80CRI, 3000K, Satin Nickel RL560WH6835= 5"⁄6" Retrofit Baffle - Trim LED Module, 80CRI, 3500K, Matte White</p> <p>90 CRI RL560WH6927= 5"⁄6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Matte White RL560SN6927= 5"⁄6" Retrofit Baffle - Trim LED Module, 90CRI, 2700K, Satin Nickel RL560WH6930= 5"⁄6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Matte White RL560SN6930= 5"⁄6" Retrofit Baffle - Trim LED Module, 90CRI, 3000K, Satin Nickel RL560WH6935= 5"⁄6" Retrofit Baffle - Trim LED Module, 90CRI, 3500K, Matte White</p>

ORDERING INFORMATION - RA56 SERIES

SAMPLE NUMBER: H750ICAT - RA5606927WH
Order housing, light module, trim and separately.

Housing	RA56 LED - Compatible LED Retrofit Modules
H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing	<p>Very Wide Flood - VWFL Models RA5606927WH= 5"⁄6" LED Adjustable Gimbal, 90CRI, 2700K, White, Very Wide Flood RA5606930WH= 5"⁄6" LED Adjustable Gimbal, 90CRI, 3000K, White, Very Wide Flood</p> <p>Narrow Flood - NFL Models RA5606927NFLWH= 5"⁄6" LED Adjustable Gimbal, 90CRI, 2700K, White, Narrow Flood RA5606930NFLWH= 5"⁄6" LED Adjustable Gimbal, 90CRI, 3000K, White, Narrow Flood</p>

ORDERING INFORMATION - ML56 SERIES

SAMPLE NUMBER: H750ICAT - ML5606830 - 693WB
Order housing, light module, trim and separately.

Housing	ML56 LED Light Modules	ML56 LED Trims	ML56 System Accessories
H750ICAT= 6" Aperture, New Construction, IC AIR-TITE™, High Efficacy LED Housing	<p>600 Series / 80 CRI ML5606827= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 2700K ML5606830= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3000K ML5606835= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 3500K ML5606840= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 80CRI, 4000K</p> <p>600 Series / 90 CRI ML5606927= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 2700K ML5606930= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3000K ML5606935= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 3500K ML5606940= 5"⁄6" LED Retrofit Downlight Light Module, 600 lumen, 90CRI, 4000K</p> <p>900 Series / 80 CRI ML5609827= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 2700K ML5609830= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3000K ML5609835= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 3500K ML5609840= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 80CRI, 4000K</p> <p>900 Series / 90 CRI ML5609927= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 2700K ML5609930= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3000K ML5609935= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 3500K ML5609940= 5"⁄6" LED Retrofit Downlight Light Module, 900 lumen, 90CRI, 4000K</p> <p>1200 Series / 80 CRI ML5612827= 5"⁄6" LED Light Module, 1200 lumen, 80CRI, 2700K ML5612830= 5"⁄6" LED Light Module, 1200 lumen, 80CRI, 3000K ML5612835= 5"⁄6" LED Light Module, 1200 lumen, 80CRI, 3500K ML5612840= 5"⁄6" LED Light Module, 1200 lumen, 80CRI, 4000K</p> <p>1200 Series / 90 CRI ML5612927= 5"⁄6" LED Light Module, 1200 lumen, 90CRI, 2700K ML5612930= 5"⁄6" LED Light Module, 1200 lumen, 90CRI, 3000K ML5612935= 5"⁄6" LED Light Module, 1200 lumen, 90CRI, 3500K ML5612940= 5"⁄6" LED Light Module, 1200 lumen, 90CRI, 4000K</p>	<p>690 Series - 6" LED Trims Non-Conductive "Dead Front" Baffles 691WB=6" LED Trim, Polymer "Dead-Front", Shallow White Baffle & Flange (For use with 600 Series LED Light Modules only)</p> <p>Reflectors 692SC=6" LED Downlight Trim, Specular Reflector & White Flange 692H=6" LED Downlight Trim, Haze Reflector & White Flange 692W=6" LED Downlight Trim, White Reflector & Flange</p> <p>Baffles 693WB=6" LED Downlight Trim, White Micro-Step Baffle & Flange 693BB=6" LED Downlight Trim, Black Micro-Step Baffle & Flange 693SNB=6" LED Downlight Trim, Satin Nickel Micro-Step Baffle & Flange 693TBZB=6" LED Downlight Trim, Tuscan Bronze Micro-Step Baffle & Flange</p> <p>Semi-Regressed Eyeballs 694WB=6" LED Directional Trim, White Eyeball, Baffle & Flange 694SNB=6" LED Directional Trim, Satin Nickel Eyeball, Baffle & Flange 694TBZB=6" LED Directional Trim, Tuscan Bronze Eyeball, Baffle & Flange</p> <p>Wall Wash 695WW=6" LED Downlight Trim, Wall Wash with Specular Kick Reflector & White Flange</p> <p>Shallow Baffle 696WB=6" LED Trim, White Shallow Baffle & Flange</p>	<p>ML56CLIP= 6" Friction Clip Kit - For use with non-torsion spring housings. 6" clips included.</p> <p>WW6955C= Wall Wash Insert - Specular Kick Reflector for 695WW (1 included with trim). For double wall washing or replacement.</p> <p>TRM690WH= 6" LED Oversize Trim Ring for use with 59" series trims, White 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface</p> <p>EBA560PK= Replacement screwbase adapter to LED disconnect with cap</p> <p>ML56-1200 Series Beam Forming Optic Media BFR56NFL=Beam forming reflector kit, narrow flood, 25° nominal BFR56MH=Media holder, accepts one 3.45" lens. Requires BFR56NFL & L345SF, order separately. L345SF=3.45" diameter soft focus lens. Requires BFR56NFL and BFR56MH, order separately.</p>

Description

The Halo ML56 LED Downlighting System is a series of modular LED Modules for use with designated 5" or 6" ML56 LED trims in new construction, remodel and retrofit installation. Compatible with Halo 5" H550 and 6" H750, H2750 Series LED housings. And in retrofit of existing housings the ML56 Series fits 5" or 6" Halo and others. ML56 LED Modules are offered in 600 Series, 900 Series, and 1200 Series, 90CRI, and four color temperatures 2700K, 3000K, 3500K, 4000K. ML56 LED Modules are universal voltage 120V – 277V and dimmable at 120V. The ML56 lens provides uniform diffuse illumination standard.

Catalog #		Type
Project		
Comments		Date
Prepared by		

Specification Features

Mechanical

Light Module

- Module includes LED package, LED driver, heat sink, and lens
- Durable die-cast aluminum construction.
- Heat sink designed to conduct heat away from the LED keeping the junction temperatures below specified maximums, including insulated ceiling environments

Lens

- Impact-resistant polycarbonate
- Convex form for lamp-like appearance
- High lumen transmission
- Diffusing for even illumination

Mounting

- Modules attach to reflector and baffle trims via locking tabs, and attach to eyeballs via keyed twist-to-lock mating bosses
- The complete module and trim assembly installs into housings with precision formed torsion springs located on the trim
- Friction Blade mounting is an alternate option using the accessory 6" Friction Blade Kit model ML56CLIP (order separately). Friction blades provide alternative to torsion springs for retrofit in 6" housings without torsion mounting tabs. ML56CLIP is compatible with 6" baffle and reflector trims only (691, 692, 693, 695, 696 series). For eyeball trim (694 series) use ML7RAB retrofit adapter band.

Housing Compatibility

A complete ML56 system includes a LED Module, LED trim, and a compatible housing (new construction, remodel, or existing retrofit). Housing compatibility in the ML56 System is determined by the ML56 trim dimensions. ML56 trims are available in 5" and 6" aperture (5" = 59xx series and 6" = 69xx series trims). Refer to Housing – Trim Section in this document.

LED

- 600 Series = 600 design lumens typical
- Delivered lumens vary depending upon 5" or 6", color temperature, and trim finish.
- Color Temperature options: 2700K, 3000K, 3500K, 4000K

- CRI: 90, R9>50
- L70 at 50,000 hours, projected in accordance with IES TM-21
- LED is a chip on board design consisting of a multiple LED package to create one virtual light source for a productive "cone of light"

Color Specification & Quality Standards

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED color uniformity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377- 2008.
- High color performance with 90CRI minimum, and R9 greater than 50.
- Every Halo LED Module is quality tested and performance measured, and then serialized in a permanent record to register lumens, wattage, CRI and CCT.
- Halo LED serialized testing and measurement process ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time
- Halo ML56 LED Modules include lumen, CRI, and CCT designations in the model number
- Example: **ML5606930**
56 = 5" / 6" aperture series
06 = 600 lumen series
9 = >90 CRI
30 = 3000K nominal CCT

Electrical Power Connections

- LED connector is a non-screw base luminaire disconnect offering easy installation with the matching Halo 5" H550 series and 6" H750 and H2750 series housings (housing selected depends upon LED trim 5" or 6").
- LED Connector meets high-efficacy luminaire requirement for a non-screw base, and where required.
- The included E26 medium screw-base Edison adapter*provides easy retrofit of incandescent housings (see Housing Section).

Ground Connection

Separate grounding cable included on the module for attachment to the housing during installation.

LED Driver

- Driver is universal voltage 120V-277V, and may be controlled from a switch in this range of main inputs (switchable at 120V, 220V, 230V, 240V, and 277V)
- Driver is dimmable at 120V operation when connected to a compatible dimmer.
- Driver is a high efficiency, electronic power supply providing DC power to the LED.
- Driver meets FCC EMI/RFI Consumer Level limits on 120V main inputs, and is compliant for use in residential and commercial installations.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is replaceable, if replacement should be required.

Dimming

Designed for dimming capability to nominal 5% in normal operation with standard 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers (Consult dimmer manufacturer for dimmer compatibility and details. Note, some dimmers require a neutral in the wallbox.)

Warranty

Eaton provides a (5) five year limited warranty on the Halo ML56 LED Module.

LED Module in New or Retrofit Existing Construction – Housings other than Halo

- If used in recessed housings other than Halo the Eaton 5-year limited warranty applies to the LED Light Module and Trim only.
- As with any electrical installation, a qualified electrician must ensure compatibility of use with a particular housing; this includes all applicable national and local electrical and building codes. Installer is responsible to properly and securely retain the LED Module and LED Trim in the housing at time of installation.



ML56 LED System

600 Series / 90 CRI

- ML5606927**
- ML5606930**
- ML5606935**
- ML5606940**

5-Inch and 6-Inch 600 Lumen LED Module for New Construction, Remodel and Retrofit

For use with 59x and 69x Series Trims

FOR USE IN INSULATED CEILING AND NON-INSULATED CEILING RATED HOUSINGS

HIGH EFFICACY LED WITH INTEGRAL DRIVER - DIMMABLE

Energy Data

ML56 600/90 Series
(Values at non-dimming line voltage)
Minimum Starting Temp: -30°C (-22°F)
EMI/RFI: FCC Title 47 CFR, Part 15, (Consumer)
Sound Rating: Class A
Input Voltage: UNV 120V-277V
Power Factor: >0.95 @ 120V and >0.9 @277V
Input Frequency: 50/60Hz
THD: <20%
Input Power: 9.5W
Input Current at 120V: 0.15A
Input Current at 277V: 0.08A
Driver Compliance: UL8750, Class II rated
Maximum IC (Insulated Ceiling) Ambient Continuous Operating Temperature: 25°C (77°F)
Maximum Non-IC Ambient Continuous Operating Temperature: 40°C (104°F)



ML5606927
5" or 6" LED 600 Series



ML5606930
5" or 6" LED 600 Series



ML5606935
5" or 6" LED 600 Series



ML5606940
5" or 6" LED 600 Series

DESCRIPTION

692 Series LED Trims - 6-inch Aperture Reflectors - are integral elements in the Halo ML56 LED Downlighting System. ML56 LED System is a series of modular LED Light Modules for use with dedicated 5" or 6" ML56 LED trims. The ML56 LED trims in 5" and 6" aperture sizes are designed to fit Halo, All-Pro and others 5" or 6" recessed housings. The ML56 system is suitable for new construction, remodel or retrofit installation.

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SPECIFICATION FEATURES

692 Series LED trims are 6-inch aperture reflectors offered in Specular Clear, Haze (Semi-Specular Clear), and White (Matte White). 692 Series Reflectors also feature matte white finish flange. The precision spun aluminum reflector provides excellent optical performance. The 692 reflectors may be used in most standard height 6-inch aperture recessed housings; Halo, All-Pro, and more (refer to ML56 LED Light Module specifications for details).

- For use with ML56 Series LED light modules
- For use in standard housings
- Reflectors with self-flange
- Wet location shower listed with ML56 LED Light Modules
- Torsion springs pull trim and light module tight to ceiling
- ML56 downlight trims and modules make any housing AIR-TITE™ (ASTM E283)

Compatible with ML56 LED System of LED Downlight Light Modules

600 Series - 80CRI, 600lm

5" / 6" LED Retrofit Downlight Engine

- ML5606827 - 2700K
- ML5606830 - 3000K
- ML5606835 - 3500K
- ML5606840 - 4000K

600 Series - 90CRI, 600lm

5" / 6" LED Retrofit Downlight Engine

- ML5606927 - 2700K
- ML5606930 - 3000K
- ML5606935 - 3500K
- ML5606940 - 4000K

900 Series - 80CRI, 900lm

5" / 6" LED Retrofit Downlight Engine

- ML5609827 - 2700K
- ML5609830 - 3000K
- ML5609835 - 3500K
- ML5609840 - 4000K

900 Series - 90CRI, 900lm

5" / 6" LED Retrofit Downlight Engine

- ML5609927 - 2700K
- ML5609930 - 3000K
- ML5609935 - 3500K
- ML5609940 - 4000K

1200 Series - 80CRI, 1200lm

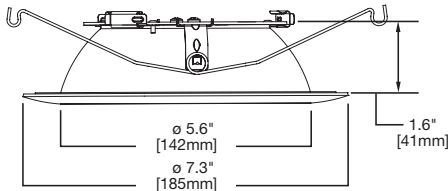
5" / 6" LED Retrofit Downlight Engine

- ML5612827 - 2700K
- ML5612830 - 3000K
- ML5612835 - 3500K
- ML5612840 - 4000K

1200 Series - 90CRI, 1200lm

5" / 6" LED Retrofit Downlight Engine

- ML5612927 - 2700K
- ML5612930 - 3000K
- ML5612935 - 3500K
- ML5612940 - 4000K



692SC



692H



692W

692 Series LED Trim

6-Inch Reflector

For use with Halo ML56 LED System Light Modules



ORDERING INFORMATION

SAMPLE NUMBER: 692SC

Trim	Finish	Accessory
692= 6" Reflector	SC =Specular Clear, White Flange H =Haze (Semi-Specular), White Flange W =White (Matte White), White Flange	TRM690WH = 6" LED Oversize Trim Ring for use with 69* series trims, White 6.9" I.D., 9.5" O.D. Ring slips over LED trim. Inset design allows 6" trim to fit into oversize ring for an even trim surface ML56CLIP = Friction Clip Mounting Kit - For retrofitting non-torsion spring housings, 6" clips



Photometric Report (Type C)

Filename: ML5606830-692H.ies
 [TEST] P130308 TEST IS SCALED FROM IESNA LM-79-08 TEST
 DATA (P24956)
 [TESTLAB] Innovations Center P2
 [ISSUE DATE] 11/10/2014
 [MANUFAC] EATON - HALO (FORMER COOPER LIGHTING)
 [LUMCAT] ML5606830-692H
 [LUMINAIRE] HALO 6 INCH ML56 LED DOWNLIGHT WITH HAZE
 REFLECTOR
 [LAMP] (1) HIGH LUMEN LED 80CRI / 3000K CCT

Maximum Candela = 581.3 at 0 H 0 V

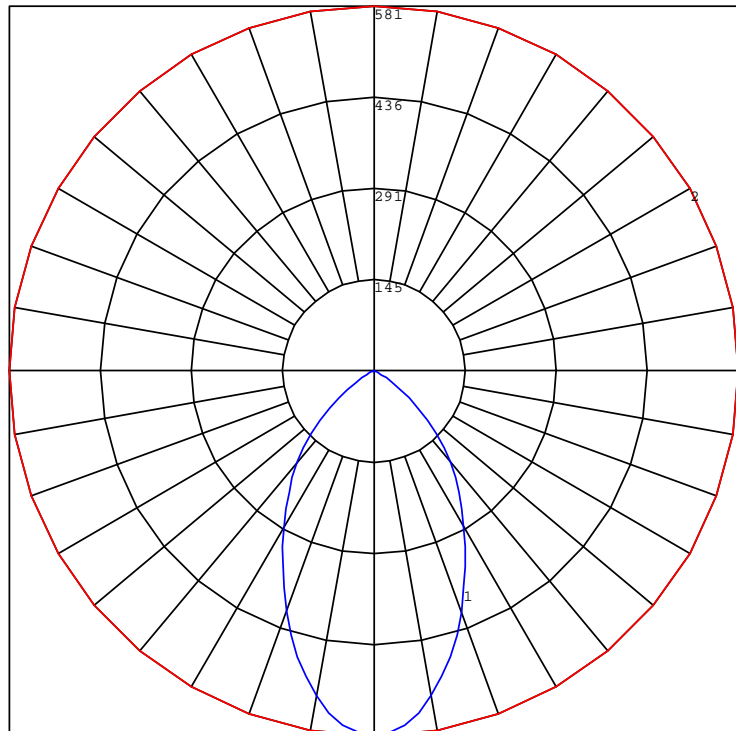
Classification:

Road Classification: Type V, Very Short, N.A. (deprecated)
 Upward Wast Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 73
 Indoor Classification: Direct
 BUG Rating : B1-U0-G0

Polar Candela Curves:

Vertical Plane Through:
 1) 0 - 180 Horizontal

Horizontal Cone Through:
 2) 0 Vertical





Photometric Report (Type C)

Filename: ML5606830-692H.ies
 [TEST] P130308 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24956)
 [TESTLAB] Innovations Center P2
 [ISSUE DATE] 11/10/2014
 [MANUFAC] EATON - HALO (FORMER COOPER LIGHTING)
 [LUMCAT] ML5606830-692H
 [LUMINAIRE] HALO 6 INCH ML56 LED DOWNLIGHT WITH HAZE REFLECTOR
 [LAMP] (1) HIGH LUMEN LED 80CRI / 3000K CCT

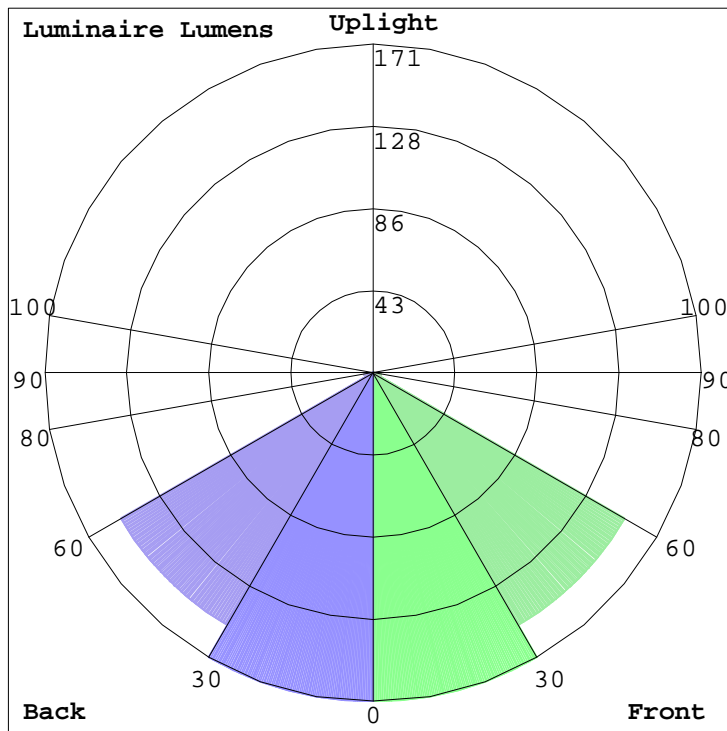
Maximum Candela = 581.3 at 0 H 0 V

Classification:

Road Classification: Type V, Very Short, N.A. (deprecated)
 Upward Waste Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 73
 Indoor Classification: Direct
 BUG Rating : B1-U0-G0

LCS Summary:

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	171.2	N.A.	26.2
FM (30-60)	151.7	N.A.	23.2
FH (60-80)	4.4	N.A.	0.7
FVH (80-90)	0.0	N.A.	0.0
BL (0-30)	171.2	N.A.	26.2
BM (30-60)	151.7	N.A.	23.2
BH (60-80)	4.4	N.A.	0.7
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	654.6	N.A.	100.0
BUG Rating	B1-U0-G0		



DESCRIPTION

The Galleon™ LED luminaire delivers exceptional performance in a highly scalable, low-profile design. Patented, high-efficiency AccuLED Optics™ system provides uniform and energy conscious illumination to walkways, parking lots, roadways, building areas and security lighting applications. IP66 rated and UL/cUL Listed for wet locations.

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Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Extruded aluminum driver enclosure thermally isolated from Light Squares for optimal thermal performance. Heavy-wall, die-cast aluminum end caps enclose housing and die-cast aluminum heat sinks. A unique, patent pending interlocking housing and heat sink provides scalability with superior structural rigidity. 3G vibration tested and rated. Optional tool-less hardware available for ease of entry into electrical chamber. Housing is IP66 rated.

Optics

Patented, high-efficiency injection-molded AccuLED Optics technology. Optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT 70 CRI. Optional 3000K, 5000K and 6000K CCT.

Electrical

LED drivers are mounted to removable tray assembly for ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. Standard with 0-10V dimming. Shipped standard with Eaton proprietary circuit module designed to withstand 10kV of transient line surge. The Galleon LED luminaire is suitable for operation in -40°C to 40°C ambient environments. For applications with ambient temperatures exceeding 40°C, specify the HA (High Ambient) option. Light Squares are IP66 rated. Greater than 90% lumen maintenance expected at 60,000 hours. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

STANDARD ARM MOUNT: Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during mounting. When mounting two or more luminaires at 90° and 120° apart, the EA extended arm may be required. Refer to the

arm mounting requirement table. Round pole adapter included. For wall mounting, specify wall mount bracket option. **QUICK MOUNT ARM:** Adapter is bolted directly to the pole. Quick mount arm slide into place on the adapter and is secured via two screws, facilitating quick and easy installation. The versatile, patent pending, quick mount arm accommodates multiple drill patterns ranging from 1-1/2" to 4-7/8". Removal of the door on the quick mount arm enables wiring of the fixture without having to access the driver compartment. A knock-out enables round pole mounting.

Finish

Housing finished in super durable TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is powder coated black. Standard housing colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available.

Warranty

Five-year warranty.

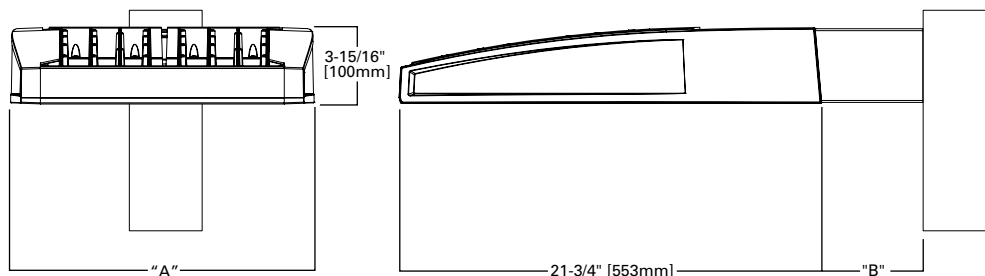


GLEON GALLEON LED

1-10 Light Squares
Solid State LED

AREA/SITE LUMINAIRE

DIMENSIONS

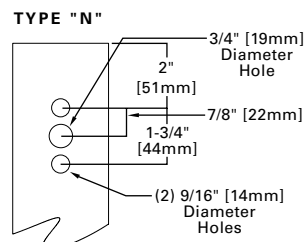


DIMENSION DATA

Number of Light Squares	"A" Width	"B" Standard Arm Length	"B" Optional Arm Length ¹	Weight with Arm (lbs.)	EPA with Arm ² (Sq. Ft.)
1-4	15-1/2" (394mm)	7" (178mm)	10" (254mm)	33 (15.0 kgs.)	0.96
5-6	21-5/8" (549mm)	7" (178mm)	10" (254mm)	44 (20.0 kgs.)	1.00
7-8	27-5/8" (702mm)	7" (178mm)	13" (330mm)	54 (24.5 kgs.)	1.07
9-10	33-3/4" (857mm)	7" (178mm)	16" (406mm)	63 (28.6 kgs.)	1.12

NOTES: 1. Optional arm length to be used when mounting two fixtures at 90° on a single pole. 2. EPA calculated with optional arm length.

DRILLING PATTERN



CERTIFICATION DATA

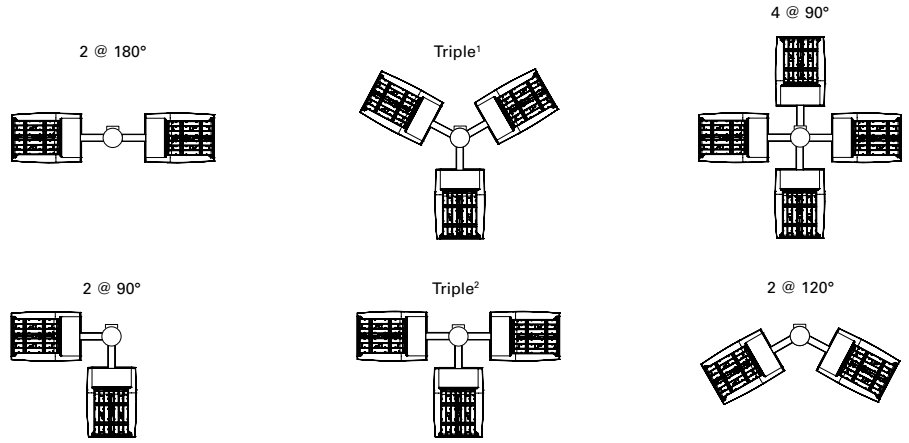
UL/cUL Wet Location Listed
ISO 9001
LM79 / LM80 Compliant
3G Vibration Rated
IP66 Rated
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120V-277V 50/60Hz
347V & 480V 60Hz
-40°C Min. Temperature
40°C Max. Temperature
50°C Max. Temperature (HA Option)

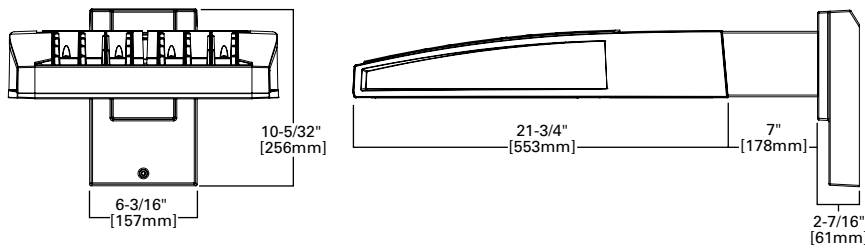
ARM MOUNTING REQUIREMENTS

Configuration	90° Apart	120° Apart
GLEON-AF-01	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-02	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-03	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-04	7" Arm (Standard)	7" Arm (Standard)
GLEON-AF-05	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-06	10" Extended Arm (Required)	7" Arm (Standard)
GLEON-AF-07	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-08	13" Extended Arm (Required)	13" Extended Arm (Required)
GLEON-AF-09	16" Extended Arm (Required)	16" Extended Arm (Required)
GLEON-AF-10	16" Extended Arm (Required)	16" Extended Arm (Required)

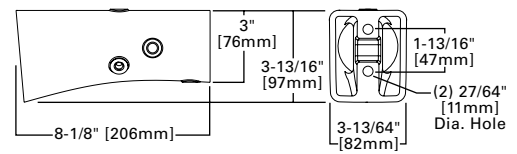


NOTES: 1 Round poles are 3 @ 120°. Square poles are 3 @ 90°. 2 Round poles are 3 @ 90°.

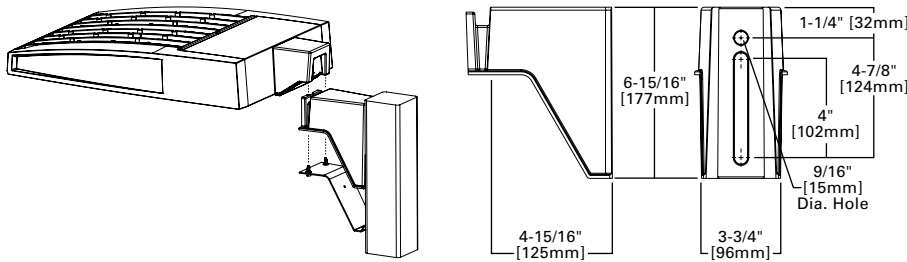
STANDARD WALL MOUNT



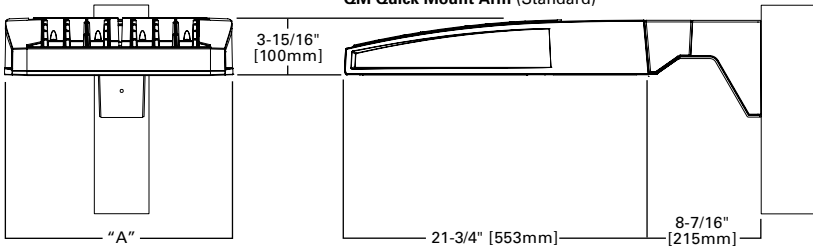
MAST ARM MOUNT



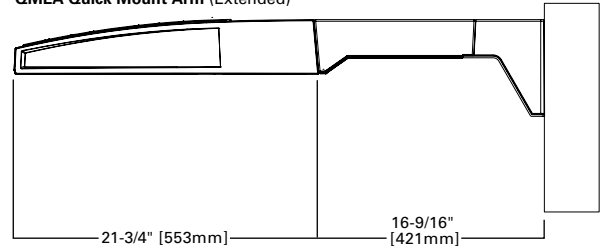
QUICK MOUNT ARM (INCLUDES FIXTURE ADAPTER)



QM Quick Mount Arm (Standard)



QMEA Quick Mount Arm (Extended)



QUICK MOUNT ARM DATA

Number of Light Squares ^{1,2}	"A" Width	Weight with QM Arm (lbs.)	Weight with QMEA Arm (lbs.)	EPA (Sq. Ft.)
1-4	15-1/2" (394mm)	35 (15.91 kgs.)	38 (17.27 kgs.)	1.11
5-6 ³	21-5/8" (549mm)	46 (20.91 kgs.)	49 (22.27 kgs.)	
7-8	27-5/8" (702mm)	56 (25.45 kgs.)	59 (26.82 kgs.)	

NOTES: 1 QM option available with 1-8 light square configurations. 2 QMEA option available with 1-6 light square configurations. 3 QMEA arm to be used when mounting two fixtures at 90° on a single pole.

ORDERING INFORMATION

Sample Number: GLEON-AF-04-LED-E1-T3-GM-QM

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Lamp Type	Voltage	Distribution	Color	Mounting
GLEON=Galleon	AF=1A Drive Current	01=1 02=2 03=3 04=4 05=5 ⁴ 06=6 07=7 ⁵ 08=8 ⁵ 09=9 ⁶ 10=10 ⁶	LED=Solid State Light Emitting Diodes	E1=120-277V 347=347V ⁷ 480=480V ^{7,8}	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Frontline	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White	[Blank]=Arm for Round or Square Pole EA=Extended Arm ⁹ MA=Mast Arm Adapter ¹⁰ WM=Wall Mount QM=Quick Mount Arm (Standard Length) ¹¹ QMEA=Quick Mount Arm (Extended Length) ¹²
Options (Add as Suffix)					Accessories (Order Separately)		
<p>7030=70 CRI 3000K¹³ 8030=80 CRI 3000K¹⁴ 7050=70 CRI 5000K¹³ 7060=70 CRI 6000K¹³ 600=Drive Current Factory Set to Nominal 600mA¹⁵ 800=Drive Current Factory Set to Nominal 800mA¹⁵ 1200=Drive Current Factory Set to Nominal 1200mA^{15,16} F=Single Fuse (120, 277 or 347V. Must Specify Voltage) FF=Double Fuse (208, 240 or 480V. Must Specify Voltage) 2L=Two Circuits^{17,18} DIM=External 0-10V Dimming Leads^{19,20} P=Button Type Photocontrol (120, 208, 240 or 277V. Must Specify Voltage)²¹ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle²¹ R=NEMA Twistlock Photocontrol Receptacle²¹ AHD145=After Hours Dim, 5 Hours²² AHD245=After Hours Dim, 6 Hours²² AHD255=After Hours Dim, 7 Hours²² AHD355=After Hours Dim, 8 Hours²² HA=50°C High Ambient²³ MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height^{24,25} MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height^{24,25} MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height^{22,25} MS/DIM-L40W=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height (Wide Range)^{24,28} MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height^{24,25,29} MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height^{24,26,29} MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height^{22,27,29} MS/X-L40W=Bi-Level Motion Sensor, 21' - 40' Mounting Height (Wide Range)^{24,28,29} MS-L08=Motion Sensor for ON/OFF Operation, Maximum 8' Mounting Height^{24,25} MS-L20=Motion Sensor for ON/OFF Operation, 9' - 20' Mounting Height^{24,26} MS-L40=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height^{24,27} MS-L40W=Motion Sensor for ON/OFF Operation, 21' - 40' Mounting Height (Wide Range)^{24,28} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height³⁰ LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height³⁰ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right MIT=Factory Installed Mesh Top TH=Tool-less Door Hardware LCF=Light Square Trim Plate Painted to Match Housing³¹ HSS=Factory Installed House Side Shield³² CE=CE Marking³³</p>					<p>OA/RA1016=NEMA Photocontrol Multi-Tap - 105-285V OA/RA1027=NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V OA/RA1013=Photocontrol Shorting Cap OA/RA1014=120V Photocontrol MA1252=10kV Surge Module Replacement MA1036-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon MA1037-XX=2 @ 180° Tenon Adapter for 2-3/8" O.D. Tenon MA1197-XX=3 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1188-XX=4 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1189-XX=2 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1190-XX=3 @ 90° Tenon Adapter for 2-3/8" O.D. Tenon MA1191-XX=2 @ 120° Tenon Adapter for 2-3/8" O.D. Tenon MA1038-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon MA1039-XX=2 @ 180° Tenon Adapter for 3-1/2" O.D. Tenon MA1192-XX=3 @ 120° Tenon Adapter for 3-1/2" O.D. Tenon MA1193-XX=4 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1194-XX=2 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon MA1195-XX=3 @ 90° Tenon Adapter for 3-1/2" O.D. Tenon FSIR-100=Wireless Configuration Tool for Occupancy Sensor³⁴ GLEON-MT1=Field Installed Mesh Top for 1-4 Light Squares GLEON-MT2=Field Installed Mesh Top for 5-6 Light Squares GLEON-MT3=Field Installed Mesh Top for 7-8 Light Squares GLEON-MT4=Field Installed Mesh Top for 9-10 Light Squares GLEON-QM=Quick Mount Arm Kit¹⁰ GLEON-QMEA=Quick Mount Extended Arm Kit¹¹ LS/HSS=Field Installed House Side Shield^{32,34} WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin)³⁵</p>		

NOTES:

- Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
- DesignLights Consortium® Qualified. Refer to www.designlights.org Qualified Products List under Family Models for details.
- Standard 4000K CCT and minimum 70 CRI.
- Not compatible with MS/4-LXX or MS/1-LXX sensors.
- Not compatible with extended quick mount arm (QMEA).
- Not compatible with standard quick mount arm (QM) or extended quick mount arm (QMEA).
- Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.
- Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
- May be required when two or more luminaires are oriented on a 90° or 120° drilling pattern. Refer to arm mounting requirement table.
- Factory installed.
- Maximum 8 light squares.
- Maximum 6 light squares.
- Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.
- Extended lead times apply. Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Galleon luminaire product page on the website.
- 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Galleon luminaire product page on the website.
- Not available with HA option.
- 2L is not available with MS, MS/X or MS/DIM at 347V or 480V. 2L in AF-02 through AF-04 requires a larger housing, normally used for AF-05 or AF-06. Extended arm option may be required when mounting two or more fixtures per pole at 90° or 120°. Refer to arm mounting requirement table.
- Not available with LumaWatt Pro wireless sensors.
- Cannot be used with other control options.
- Low voltage control lead brought out 18" outside fixture.
- Not available if any "MS" sensor is selected. Motion sensor has an integral photocell.
- Requires the use of P photocontrol or the PER7 or R photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
- 50°C lumen maintenance data applies to 600mA, 800mA and 1A drive currents.
- The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
- Approximately 22' detection diameter at 8' mounting height.
- Approximately 40' detection diameter at 20' mounting height.
- Approximately 60' detection diameter at 40' mounting height.
- Approximately 100' detection diameter at 40' mounting height.
- Replace X with number of Light Squares operating in low output mode.
- LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1 and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
- Not available with house side shield (HSS).
- Only for use with SL2, SL3, SL4 and AFL distributions. The Light Square trim plate is painted black when the HSS option is selected.
- CE is not available with the LWR, MS, MS/X, MS/DIM, P, R or PER7 options. Available in 120-277V only.
- One required for each Light Square.
- Requires 7-pin NEMA twistlock photocontrol receptacle.



Eaton
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.



Photometric Report (Type C)

Filename: GLEON-AF-01-LED-E1-5MQ-7030-600.ies
 [TEST] P192529 TEST IS SCALED FROM IESNA LM-79-08 TEST
 DATA (P24142)
 [TESTLAB] Innovations Center P2
 [ISSUE DATE] 8/2/2018
 [MANUFAC] EATON - MCGRAW-EDISON (FORMER COOPER
 LIGHTING)
 [LUMCAT] GLEON-AF-01-LED-E1-5MQ-7030-600
 [LUMINAIRE] GALLEON AREA AND ROADWAY LUMINAIRE (1) 70
 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND
 TYPE V MEDIUM OPTICS

Maximum Candela = 2455.7 at 45 H 67.5 V

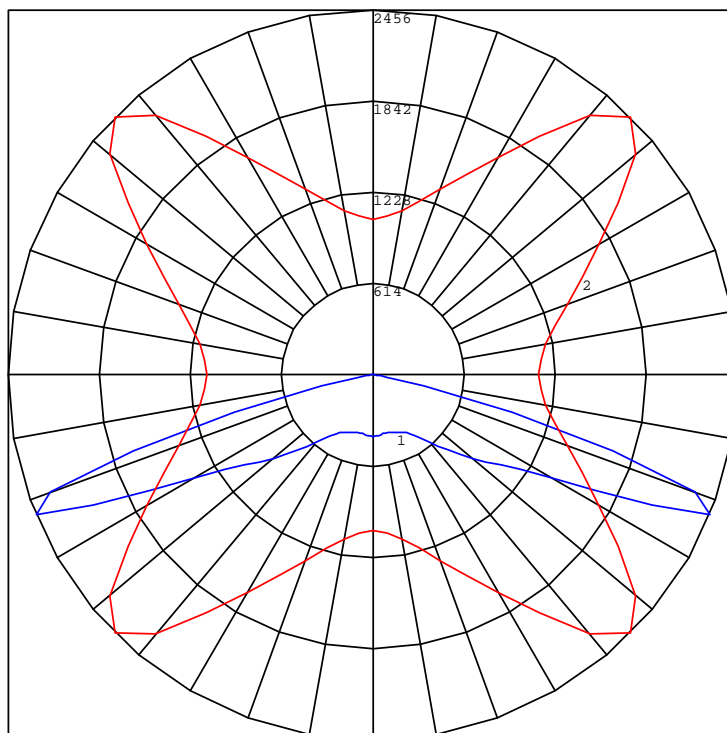
Classification:

Road Classification: Type VS, Short, N.A. (deprecated)
 Upward Wast Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 123
 Indoor Classification: Direct
 BUG Rating : B2-U0-G1

Polar Candela Curves:

Vertical Plane Through:
 1) 45 - 225 Horizontal

Horizontal Cone Through:
 2) 67.5 Vertical





Photometric Report (Type C)

Filename: GLEON-AF-01-LED-E1-5MQ-7030-600.ies
 [TEST] P192529 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24142)
 [TESTLAB] Innovations Center P2
 [ISSUE DATE] 8/2/2018
 [MANUFAC] EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)
 [LUMCAT] GLEON-AF-01-LED-E1-5MQ-7030-600
 [LUMINAIRE] GALLEON AREA AND ROADWAY LUMINAIRE (1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS

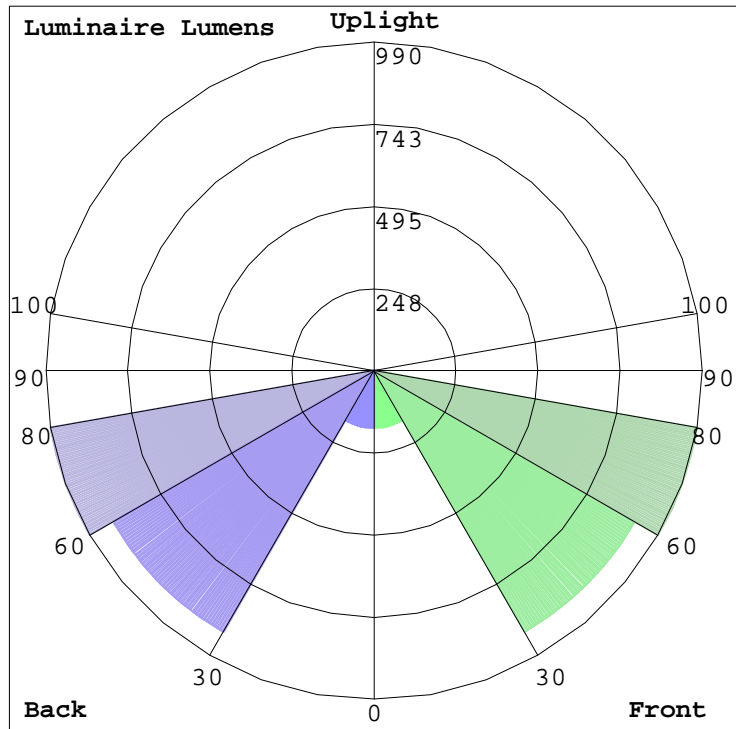
Maximum Candela = 2455.7 at 45 H 67.5 V

Classification:

Road Classification: Type VS, Short, N.A. (deprecated)
 Upward Waste Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 123
 Indoor Classification: Direct
 BUG Rating : B2-U0-G1

LCS Summary:

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	171.9	N.A.	4.1
FM (30-60)	909.4	N.A.	21.8
FH (60-80)	990.5	N.A.	23.7
FVH (80-90)	14.5	N.A.	0.3
BL (0-30)	171.9	N.A.	4.1
BM (30-60)	909.4	N.A.	21.8
BH (60-80)	990.5	N.A.	23.7
BVH (80-90)	14.5	N.A.	0.3
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	4172.6	N.A.	100.0
BUG Rating	B2-U0-G1		





Photometric Report (Type C)

Filename: GLEON-AF-02-LED-E1-SL3-7030-HSS.ies
 [TEST] P192870 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
 [TESTLAB] Innovations Center P2
 [ISSUE DATE] 7/21/2016
 [MANUFAC] EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)
 [LUMCAT] GLEON-AF-02-LED-E1-SL3-7030-HSS
 [LUMINAIRE] GALLEON AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD

Maximum Candela = 10512.9 at 59 H 69 V

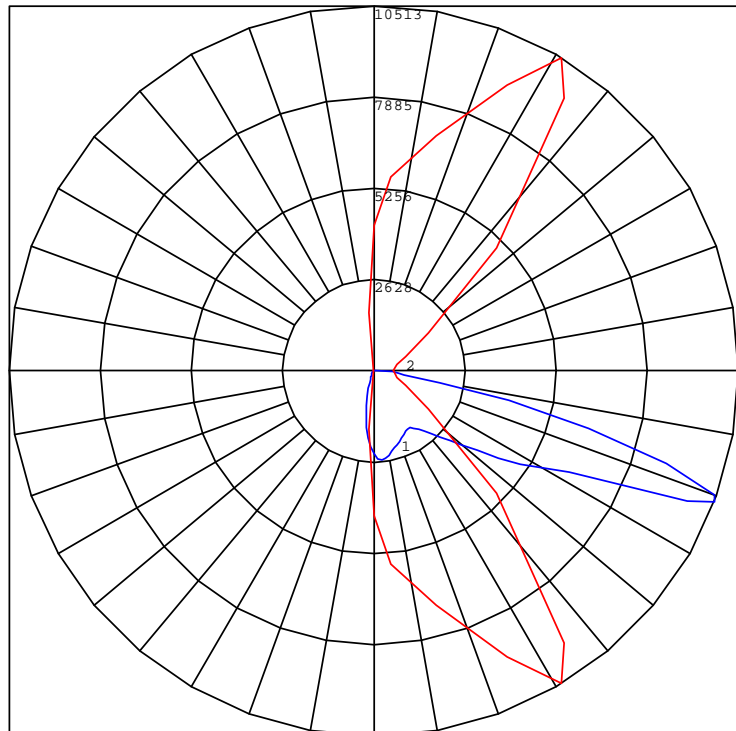
Classification:

Road Classification: Type III, Short, N.A. (deprecated)
 Upward Wast Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 82
 Indoor Classification: Direct
 BUG Rating : B1-U0-G2

Polar Candela Curves:

Vertical Plane Through:
 1) 59 - 239 Horizontal

Horizontal Cone Through:
 2) 69 Vertical





Photometric Report (Type C)

Filename: GLEON-AF-02-LED-E1-SL3-7030-HSS.ies
 [TEST] P192870 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
 [TESTLAB] Innovations Center P2
 [ISSUE DATE] 7/21/2016
 [MANUFAC] EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)
 [LUMCAT] GLEON-AF-02-LED-E1-SL3-7030-HSS
 [LUMINAIRE] GALLEON AREA AND ROADWAY LUMINAIRE (2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD

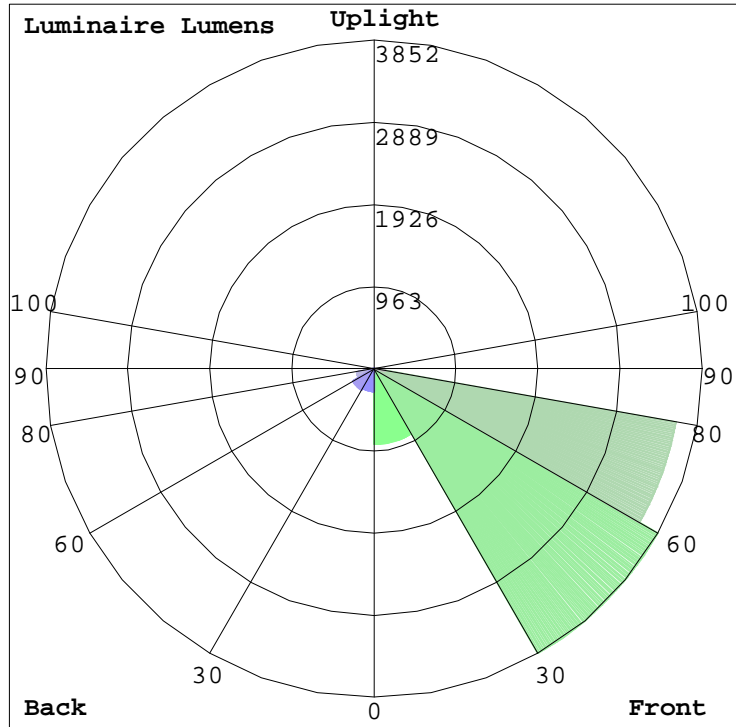
Maximum Candela = 10512.9 at 59 H 69 V

Classification:

Road Classification: Type III, Short, N.A. (deprecated)
 Upward Waste Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 82
 Indoor Classification: Direct
 BUG Rating : B1-U0-G2

LCS Summary:

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	878.2	N.A.	9.5
FM (30-60)	3851.8	N.A.	41.8
FH (60-80)	3601.2	N.A.	39.1
FVH (80-90)	129.8	N.A.	1.4
BL (0-30)	259.6	N.A.	2.8
BM (30-60)	282.6	N.A.	3.1
BH (60-80)	203.7	N.A.	2.2
BVH (80-90)	4.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	9211.0	N.A.	100.0
BUG Rating	B1-U0-G2		



DESCRIPTION

The Impact Elite family of wall luminaires is the ideal complement to site design. Incorporating modular LightSquares technology, the Impact Elite luminaire provides outstanding uniformity and energy-conscious illumination. Combined with a rugged construction, the Impact Elite luminaire is the ideal facade and security luminaire for zones surrounding schools, office complexes, apartments and recreational facilities. UL/cUL listed for wet locations.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Heavy-wall, die-cast aluminum housing and removable hinged door frame for precise tolerance control and repeatability. Hinged door inset for clean mating with housing surface and secured via two captive fasteners. Optional tamper-resistant Torx™ head fasteners offer vandal resistant access to the electrical chamber.

Optics

Choice of 10 patented, high-efficiency AccuLED Optics™ distributions. Optics are precisely designed to shape the light output, maximizing efficiency and application spacing. AccuLED Optics technology creates consistent distributions with the scalability to meet customized application requirements. Offered Standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 5700K CCT.

Electrical

LED drivers mount to die-cast aluminum back housing for optimal heat sinking, operation efficacy, and prolonged life. Standard drivers feature electronic universal voltage (120-277V 50/60Hz), 347V 60Hz or 480V 60Hz operation, greater than 0.9 power factor, less than 20% harmonic distortion, and are suitable for operation in -40°C to 40°C ambient environments. All fixtures are shipped standard with 10kV/10kA common – and differential – mode surge protection. LightSquares feature an IP66 enclosure rating and maintain greater than 90% lumen maintenance at 60,000 hours per IESNA TM-21. Emergency egress options for -20°C ambient environments and occupancy sensor available.

Mounting

Gasketed and zinc plated rigid steel mounting attachment fits directly to 4" j-box or wall with the Impact Elite "Hook-N-Lock" mechanism for quick installation. Secured with two captive corrosion resistant black oxide coated allen head set screws concealed but accessible from bottom of fixture.

Finish

Cast components finished in a five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic. RAL and custom color matches available. Consult the McGraw-Edison Architectural Colors brochure for the complete selection.

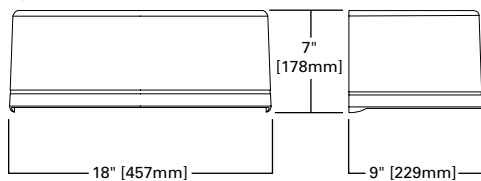
Warranty

Five-year warranty.

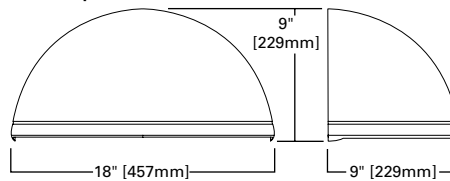


DIMENSIONS

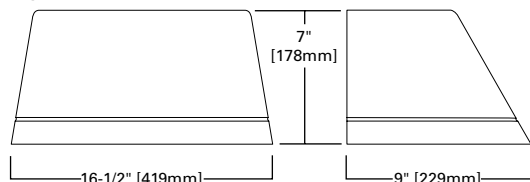
Cylinder



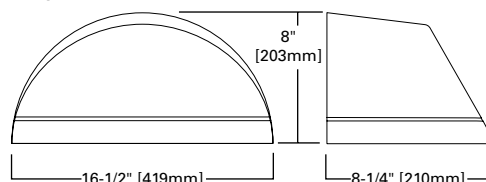
Quarter Sphere



Trapezoid



Wedge



ISC/ISS/IST/ISW IMPACT ELITE LED

1 LightSquare
Solid State LED

WALL MOUNT LUMINAIRE

CERTIFICATION DATA

UL/cUL Listed
LM79 / LM80 Compliant
IP66 LightSquare
DesignLights Consortium® Qualified*
ISO 9001

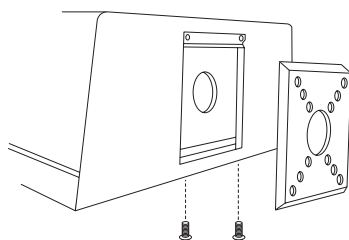
ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V/50 & 60Hz, 347V/60Hz,
480V/60Hz
-40°C Minimum Temperature
40°C Ambient Temperature Rating

SHIPPING DATA

Approximate Net Weight:
18 lbs. (8 kgs.)

HOOK-N-LOCK MOUNTING



POWER AND LUMENS

1 LightSquare (AF)		Cylinder (ISC) and Quarter Sphere (ISS)						Trapezoid (IST) and Wedge (ISW)					
Drive Current (mA)		350	450	600	800	1000	1200	350	450	600	800	1000	1200
Power (Watts) 120-277V		20.3	25.5	33.4	43.9	55.1	66.2	20.3	25.5	33.4	43.9	55.1	66.2
Current (A)	120V	0.17	0.22	0.29	0.38	0.48	0.56	0.17	0.22	0.29	0.38	0.48	0.56
	277V	0.09	0.10	0.13	0.17	0.21	0.25	0.09	0.10	0.13	0.17	0.21	0.25
Power (Watts) 347V or 480V		23.3	28.7	36.6	49.5	60.7	70.1	23.3	28.7	36.6	49.5	60.7	70.1
Current (A)	347V	0.07	0.08	0.11	0.15	0.18	0.21	0.07	0.08	0.11	0.15	0.18	0.21
	480V	0.05	0.06	0.08	0.11	0.13	0.16	0.05	0.06	0.08	0.11	0.13	0.16
Optics													
T2	Lumens	2,390	3,001	3,915	4,901	5,793	6,592	2,555	3,208	4,185	5,239	6,193	7,047
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
T3	Lumens	2,440	3,063	3,996	5,001	5,912	6,728	2,561	3,216	4,195	5,251	6,207	7,063
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
T4FT	Lumens	2,414	3,031	3,955	4,950	5,851	6,658	2,589	3,250	4,240	5,308	6,274	7,139
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
T4W	Lumens	2,441	3,065	3,998	5,004	5,916	6,732	2,557	3,211	4,189	5,244	6,198	7,053
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
SL2	Lumens	2,309	2,899	3,782	4,734	5,596	6,368	2,469	3,100	4,044	5,062	5,983	6,809
	BUG Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
SL3	Lumens	2,271	2,851	3,719	4,656	5,503	6,262	2,419	3,038	3,963	4,961	5,864	6,673
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B0-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2
SL4	Lumens	2,158	2,710	3,535	4,425	5,230	5,951	2,286	2,870	3,744	4,686	5,539	6,303
	BUG Rating	B0-U0-G1	B0-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B0-U1-G1	B0-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2
SLL/SLR	Lumens	2,036	2,555	3,334	4,174	4,934	5,614	2,204	2,767	3,610	4,519	5,341	6,078
	BUG Rating	B0-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U1-G1	B1-U1-G1	B1-U1-G2	B1-U1-G2	B1-U1-G2	B1-U1-G2
RW	Lumens	2,435	3,057	3,987	4,992	5,900	6,715	2,521	3,166	4,130	5,170	6,111	6,954
	BUG Rating	B1-U0-G0	B2-U0-G0	B2-U0-G1	B2-U0-G1	B2-U0-G1	B3-U0-G1	B1-U1-G1	B2-U1-G1	B2-U1-G1	B2-U1-G1	B2-U1-G1	B3-U1-G1

LUMEN MAINTENANCE

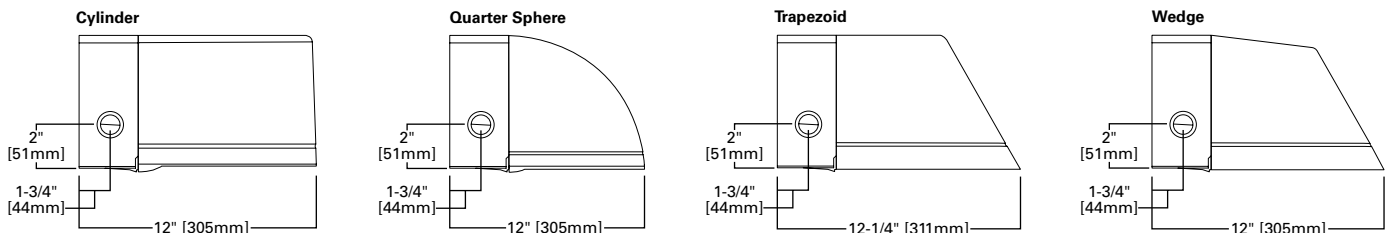
Current	Ambient Temperature	25000 Hours*	50000 Hours*	60000 Hours*	100000 Hours*	Theoretical L70 (Hours)*
Up to 1.2A	Up to 40°C	>95%	>91%	>90%	>83%	20,4000

*Data calculated based on TM-21 calculator.

LUMEN MULTIPLIER

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

THRUWAY BACK BOX



ORDERING INFORMATION

Sample Number: ISC-AF-1200-LED-E1-T3-BZ

Product Family ¹	Light Engine	Drive Current	Lamp Type	Voltage	Distribution	Color
ISC=Impact Elite LED Small Cylinder ISS=Impact Elite LED Small Quarter Sphere IST=Impact Elite LED Small Trapezoid ISW=Impact Elite LED Small Wedge	AF=(1) LightSquare	350=Drive Current Factory Set to 350mA 450=Drive Current Factory Set to 450mA 600=Drive Current Factory Set to 600mA 800=Drive Current Factory Set to 800mA 1000=Drive Current Factory Set to 1000mA 1200=Drive Current Factory Set to 1200mA ²	LED=Solid State Light Emitting Diodes	E1=Electronic (120-277V) 347=347V ² 480=480V ^{2,3}	T2=Type II T3=Type III T4FT=Type IV Forward Throw T4W=Type IV Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Options (Add as Suffix)				Accessories (Order Separately) ¹⁷		
7027=70 CRI / 2700K CCT ⁴ 7030=70 CRI / 3000K CCT ⁴ 7050=70 CRI / 5000K CCT ⁴ 7060=70 CRI / 5700K CCT ⁴ 8030=80 CRI / 3000K CCT ⁴ PER7=NEMA 7-PIN Twistlock Photocontrol Receptacle ^{2,5,6} P=Button Type Photocontrol (Available in 120, 208, 240 or 277V. Must Specify Voltage) ^{2,6} HA=50°C High Ambient ⁷ AHD145=After Hours Dim, 5 Hours, 50% ⁸ AHD245=After Hours Dim, 6 Hours, 50% ⁸ AHD255=After Hours Dim, 7 Hours, 50% ⁸ AHD355=After Hours Dim, 8 Hours, 50% ⁸ MS/DIM-LXX=Motion Sensor for Dimming Operation ^{9,10,11} LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{6,11,12} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{6,11,12} BBB=Battery Pack with Back Box (Specify 120V or 277V) ¹³ CWB=Cold Weather Battery Pack with Back Box (Specify 120V or 277V) ¹⁴ LCF=LightSquare Trim Plate Matches Housing Finish HSS=Factory Installed House Side Shield ¹⁵ ULG=Uplight Glow ^{5,6} TR=Tamper Resistant Hardware X=Driver Surge Protection (6kV) Only ¹⁶				MA1253=10kV Circuit Module Replacement MA1254-XX=Thruway Back Box - Impact Elite Trapezoid MA1255-XX=Thruway Back Box - Impact Elite Cylinder MA1256-XX=Thruway Back Box - Impact Elite Quarter Sphere MA1257-XX=Thruway Back Box - Impact Elite Wedge FSIR-100=Wireless Configuration Tool for Occupancy Sensor WOLC-7P-10A=WaveLinX Outdoor Control Module (7-pin) ¹⁸		

- NOTES:**
- Standard 4000K CCT and greater than 70 CRI.
 - Not available with ULG option.
 - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
 - Extended lead times apply.
 - Not available with ISS or ISW.
 - Not available with LWR-XX or MS/DIM-LXX.
 - Suitable for 50°C provided no options other than motion sensor are included and driver output set to 1.A or less.
 - Requires the use of P photocontrol or the PER7 photocontrol receptacle with photocontrol accessory. Not available with 350mA drive current. See After Hours Dim supplemental guide for additional information.
 - Specify lens in place of XX. Round to next highest option based on mounting height. Available options are 08, 20 and 40W.
 - The FSIR-100 configuration tool is required to adjust parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
 - Includes integral photocell.
 - LumaWatt Pro wireless sensors are factory installed and requiring network components in appropriate quantities. See www.eaton.com/lighting for LumaWatt Pro application information.
 - LED standard integral battery pack is rated for minimum operating temperature 32°F (0°C). Operates downlight for 90-minutes.
 - LED cold weather integral battery pack is rated for minimum operating temperature -4°F (-20°C). Operates downlight for 90-minutes.
 - Only for use with SL2, SL3 and SL4 distributions. The LightSquare trim plate is painted black when the HSS option is selected.
 - Removes additional surge module.
 - Specify color in place of XX.
 - Requires 7-pin NEMA twistlock photocontrol receptacle. The WOLC-7 cannot be used in conjunction with additional sensors or controls.



Photometric Report (Type C)

Filename: ISW-AF-350-LED-E1-SL2-7030.ies
 [TEST] P226804 TEST IS SCALED FROM IESNA LM-79-08 TEST
 DATA (P35945)
 [TESTLAB] INNOVATION CENTER-P3
 [ISSUEDATE] 7/28/2017
 [MANUFAC] EATON - MCGRAW-EDISON (FORMER COOPER
 LIGHTING)
 [LUMCAT] ISW-AF-350-LED-E1-SL2-7030
 [LUMINAIRE] IMPACT ELITE LED WEDGE LUMINAIRE LIGHT
 SQUARE WITH ACCUELED OPTICS-TYPE II W/SPILL CONTROL
 [LAMP] (16) 3000K CCT, 70 CRI LEDs

Maximum Candela = 2609.4 at 67 H 66 V

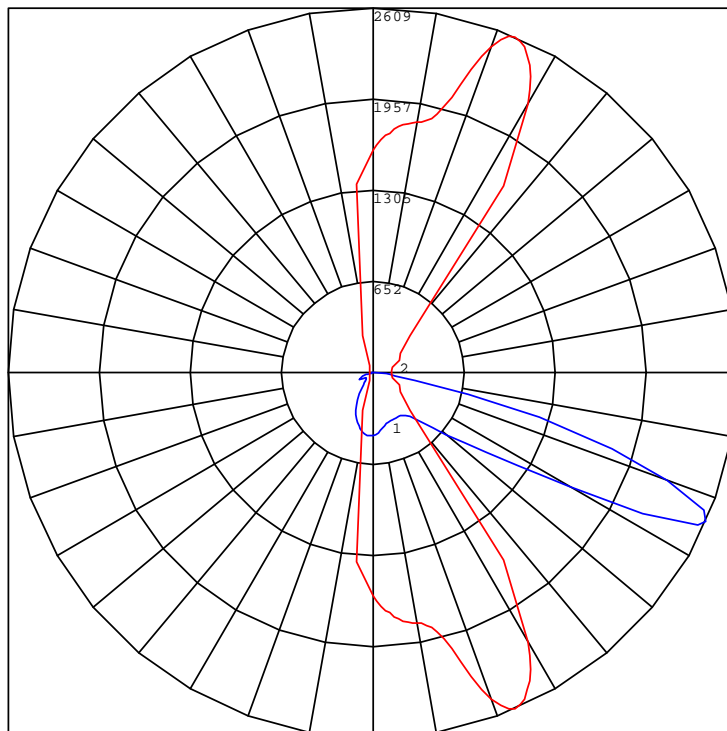
Classification:

Road Classification: Type II, Short, N.A. (deprecated)
 Upward Wast Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 106
 Indoor Classification: Direct
 BUG Rating : B1-U1-G1

Polar Candela Curves:

Vertical Plane Through:
 1) 67 - 247 Horizontal

Horizontal Cone Through:
 2) 66 Vertical





Photometric Report (Type C)

Filename: ISW-AF-350-LED-E1-SL2-7030.ies
 [TEST] P226804 TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35945)
 [TESTLAB] INNOVATION CENTER-P3
 [ISSUEDATE] 7/28/2017
 [MANUFAC] EATON - MCGRAW-EDISON (FORMER COOPER LIGHTING)
 [LUMCAT] ISW-AF-350-LED-E1-SL2-7030
 [LUMINAIRE] IMPACT ELITE LED WEDGE LUMINAIRE LIGHT SQUARE WITH ACCUELED OPTICS-TYPE II W/SPILL CONTROL
 [LAMP] (16) 3000K CCT, 70 CRI LEDs

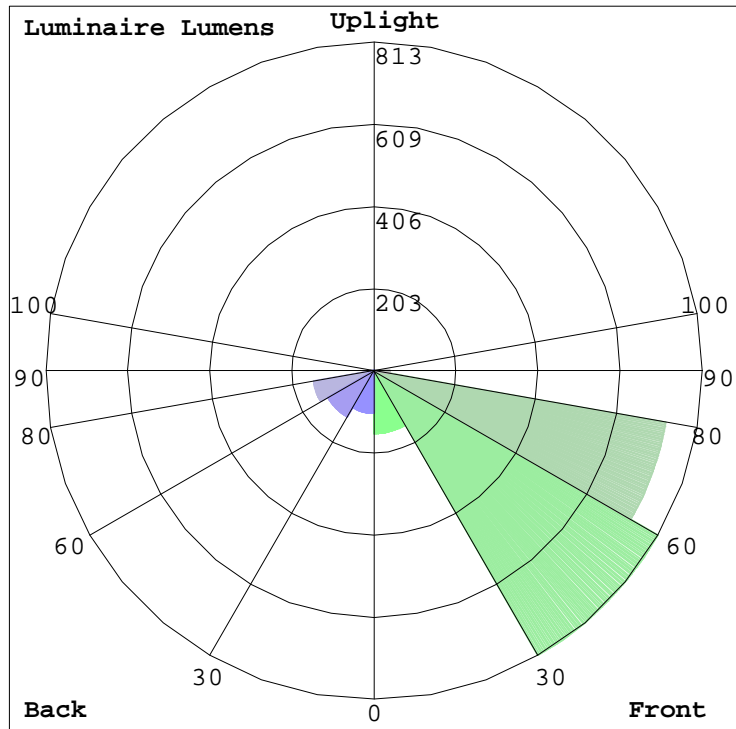
Maximum Candela = 2609.4 at 67 H 66 V

Classification:

Road Classification: Type II, Short, N.A. (deprecated)
 Upward Waste Light Ratio: 0.00
 Luminaire Efficacy Rating (LER): 106
 Indoor Classification: Direct
 BUG Rating : B1-U1-G1

LCS Summary:

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	154.8	N.A.	7.2
FM (30-60)	812.7	N.A.	38.0
FH (60-80)	734.6	N.A.	34.4
FVH (80-90)	39.1	N.A.	1.8
BL (0-30)	104.3	N.A.	4.9
BM (30-60)	131.0	N.A.	6.1
BH (60-80)	151.6	N.A.	7.1
BVH (80-90)	7.5	N.A.	0.4
UL (90-100)	0.8	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2136.4	N.A.	100.0
BUG Rating	B1-U1-G1		



Harbor Exterior - Crosshatch

AEW9980 36 in

JOB NAME: **Valor on Washington**

TYPE: **W2**

NOTES:

DESCRIPTION

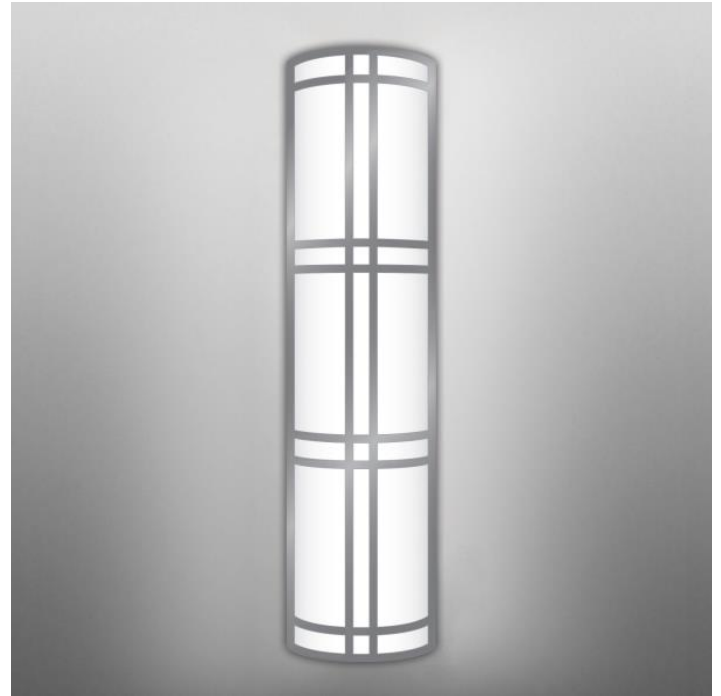
The Harbor half cylinder sconce features a clean look for a simple architectural statement. The clean lines of this exterior sconce are perfect for multiple applications including offices, retail buildings, and health care facilities. Choose from a palette of both painted and metal finishes.

FEATURES & BENEFITS

- Opal top and bottom lens protects fixture and provides uniform illumination
- Optional VAN (vanity mount) features solid end caps for a fully enclosed fixture
- Handcrafted in USA

SPECIFICATIONS

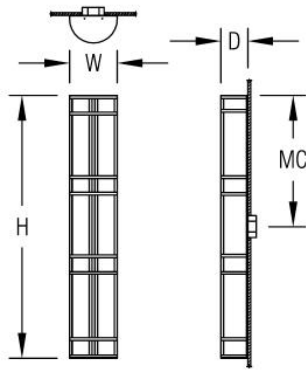
- **LIGHT SOURCE:** White LED light engine
- **LUMEN MAINTENANCE:** L70 life = 50,000+ hours
- **CCT:** 3000K, 3500K, or 4000K
- **DRIVER:** Integral power supply included with low wattage LED lamping; remote power supply required with high wattage LED lamping
- **DIMMING:** 0-10V controls standard on LED light engines
- **EMERGENCY:** Emergency battery remote optional
- **DIFFUSER:** Formed opal acrylic lens
- **MOUNTING:** Mounts to standard 4" octagonal junction box
- **MODIFICATIONS:** Consult factory for all modification requests
- **APPROVALS:** ETL listed to UL standards (US & Canada) for use in wet locations



WET

EMR

DIMENSIONS



W	H	D	MC
9 in	36 in	5 in	18 in
22.9 cm	91.4 cm	12.7 cm	45.7 cm

Mounting Weight
Approximate: 25 lb (12 kg)

CONFIGURATOR

To configure your spec sheet online, go to www.spilighting.com/AEW9980. Not all options are available in all configurations; consult factory for details.

Required Field *

Catalog	Light Source:	Primary Finish:	Voltage:	Lamp Options:	Diffuser:	Mounting:
	A		B	C	D	E

A - LIGHT SOURCE *

To ensure color consistency, SPI uses precise bin selection and strict quality processes to maintain a 3-step (MacAdam) SDCM on all white LED lampings. Published LED luminaire wattages are calculated using a typical power supply efficiency of 88%; exact wattages may vary based on application.

- L36W** | White 36W LED Light Engine | Delivered Lumens: 2,395
- L72W**¹ | White 72W LED Light Engine | Delivered Lumens: 4,790

See last page for finish options

¹ Remote Power Supply Only.

B - VOLTAGE

- 120-277V** | Universal Voltage

C - LAMP OPTIONS

Delivered lumens shown are at 4000K CCT; apply multiplier for delivered lumens at other CCT.

- 3000K**² | 3000K CCT
- 3500K**³ | 3500K CCT
- 4000K** | 4000K CCT

² Apply .95 multiplier for delivered lumens

³ Apply .97 multiplier for delivered lumens

D - DIFFUSER

- DF_OA** | Opal Acrylic Diffuser Lens (default)
- MA01** | Matte Acrylic Diffuser Lens



E - MOUNTING

Vanity mount features solid end caps.

- VAN01**⁴ | Vanity Vertical Mount
- VAN02**⁴ | Vanity Horizontal Mount

⁴ Solid end caps standard.

Available Finishes

Not all finishes are available in all configurations; consult factory for details.

Brushed Aluminum



Paint Colors

PT01 Super White	PT02 White	PT03 Morning Light	PT04 Warm White	PT05 Putty
PT06 Warm Beige	PT07 Light Taupe	PT08 Medium Taupe	PT09 Medium Grey	PT10 Dark Grey
PT11 Black	PT12 Dark Chocolate	PT13 Warm Grey	PT14 Light Grey	PT15 Sage
PT16 Spruce	PT17 Red	PT18 Deep Red	PT19 Blue	PT20 Dark Green
PT21 Pearl White (Metallic)	PT22 Platinum (Metallic)	PT27 Deep Copper (Metallic)	PT28 Dark Stainless (Metallic)	PT29 Red Brass (Metallic)
PT31 Medium Bronze (Metallic)	PT32 Dark Bronze (Metallic)	PT33 Dark Blue	PT40 Yellow	PT41 Orange
PT42 Sky Blue	PT43 Teal	PT44 Green	PT45 Purple	PT46 Aluminum (Metallic)
PT47 Deep Red Brass (Metallic)	PT48 Brass (Metallic)	PT49 Bronze (Metallic)	PT51 Matte White	



Photometric Report (Type C)

Filename: ~~W4~~_SPI_Harbor Exterior - Crosshatch-36in-column-ws-led-low.ies

[TEST] *PRORATED* ITL79561 4000K Prorated for your convenience by SPI.

[TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.

[ISSUEDATE] 10/30/13

[MANUFAC] SPI LIGHTING, INC.

[LUMCAT] SPI LIGHTING INC OPTICAL #5303

[LUMINAIRE] SPI Lighting 14.5" Column WS LED.

FABRICATED WHITE PAINTED METAL MOUNTING

PLATE/REFLECTOR, FLAT SPECULAR METAL CIRCUIT BOARD MOUNTING PLATE, 2 WHITE CIRCUIT BOARDS EACH W

[LAMP] ONE HUNDRED FORTY-FOUR WHITE LIGHT EMITTING

DIODES (LEDS), AIMED AT THE HORIZON.

Maximum Candela = 517.670984208584 at 0 H 92.5 V

Classification:

Road Classification: N.A., N.A., N.A. (deprecated)

Upward Wast Light Ratio: 0.51

Luminaire Efficacy Rating (LER): 67

Indoor Classification: General Diffuse

BUG Rating : B0-U4-G2

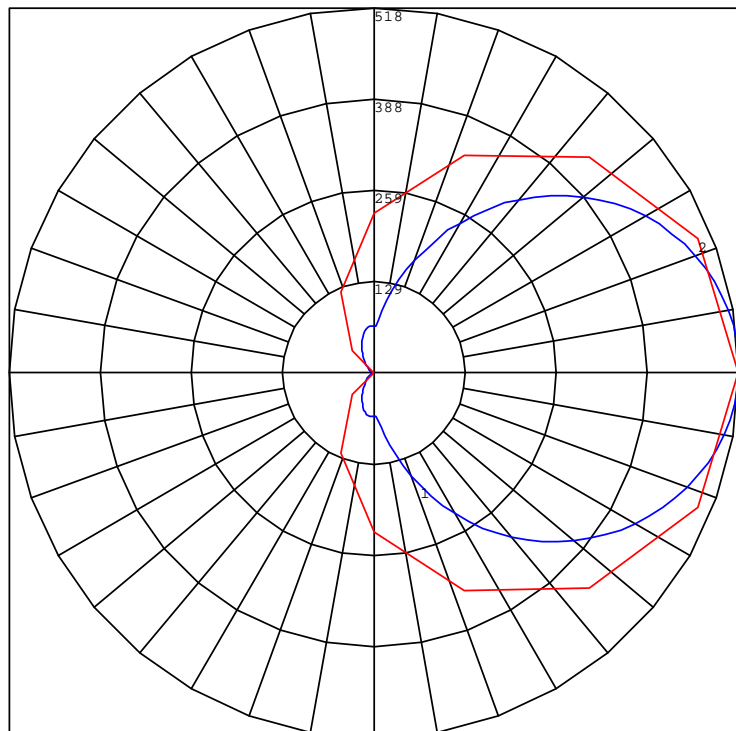
Polar Candela Curves:

Vertical Plane Through:

1) 0 - 180 Horizontal

Horizontal Cone Through:

2) 92.5 Vertical





Photometric Report (Type C)

Filename: W4_SPI_Harbor Exterior - Crosshatch-36in-column-ws-led-low.ies

[TEST] *PRORATED* ITL79561 4000K Prorated for your convenience by SPI.

[TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.

[ISSUE DATE] 10/30/13

[MANUFAC] SPI LIGHTING, INC.

[LUMCAT] SPI LIGHTING INC OPTICAL #5303

[LUMINAIRE] SPI Lighting 14.5" Column WS LED.

FABRICATED WHITE PAINTED METAL MOUNTING

PLATE/REFLECTOR, FLAT SPECULAR METAL CIRCUIT BOARD MOUNTING PLATE, 2 WHITE CIRCUIT BOARDS EACH

[LAMP] ONE HUNDRED FORTY-FOUR WHITE LIGHT EMITTING

DIODES (LEDS), AIMED AT THE HORIZON.

Maximum Candela = 517.670984208584 at 0 H 92.5 V

Classification:

Road Classification: N.A., N.A., N.A. (deprecated)

Upward Waste Light Ratio: 0.51

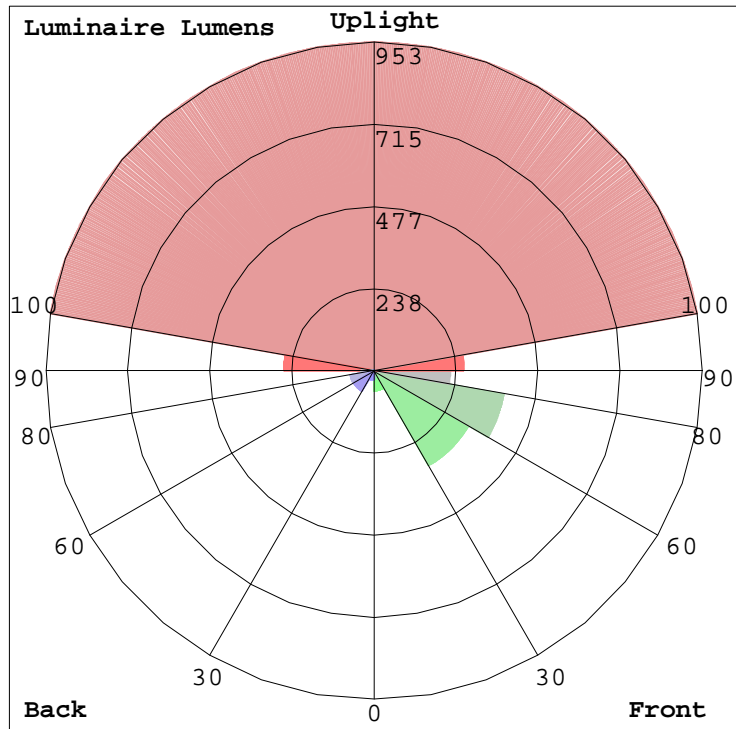
Luminaire Efficacy Rating (LER): 67

Indoor Classification: General Diffuse

BUG Rating : B0-U4-G2

LCS Summary:

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	57.2	N.A.	2.4
FM (30-60)	317.2	N.A.	13.3
FH (60-80)	383.4	N.A.	16.0
FVH (80-90)	221.4	N.A.	9.3
BL (0-30)	25.6	N.A.	1.1
BM (30-60)	67.5	N.A.	2.8
BH (60-80)	68.3	N.A.	2.9
BVH (80-90)	38.2	N.A.	1.6
UL (90-100)	261.2	N.A.	10.9
UH (100-180)	953.5	N.A.	39.8
Total	2393.5	N.A.	100.0
BUG Rating	B0-U4-G2		





FCC400 Series



Date:

Approved:

Type: **W3**

Fixture: **Facade "Wall Wash"**

Project: **Valor on Washington**

FCC400 Series Cylinders are the most versatile high output exterior cylinders in the market. These Cylinders are designed with outdoor applications in mind. Dry, damp or wet conditions and developed with the highest variety of mounting capabilities, power and output levels, optical distributions, and many featured options.

SPECIFICATIONS

PHYSICAL

beam spread	10° 15° 25° 35° 40° 60° 72° 90°
diameter/height	diameter: 4.5" height: 9.92" 13.92" 21.86"
weight	8 lb
housing	heavy-walled, extruded aluminum housing with die-cast lens ring and cap with stainless steel hardware
lens	IK05 impact compliant, clear anti-glare tempered glass
mounting	mounts directly to standard recessed junction box additional holes allow unit to be attached directly to mounting surface
ingress protection	continuous silicone gasket to seal out contaminants, IP65 rated for dry, damp or wet locations
vibration resistance	compliant with 1G ANSI C136.31, Seismic rated AC-156
finish	7-stage chemical stage pre-treatment process that includes iron phosphate, to prepare the substrate for a UV stable, super durable standard polyester powder coat

PERFORMANCE

color temperature	2700K 3000K 3500K 4000K 5700K
delivered lumens	3000 Lm max - Selectable in 500 Lm increments
lifetime	> 70,000 hours / L70 or better
color consistency	2-step MacAdam Ellipse 83 CRI standard optional 93 and 97 CRI
temperature	operating: -4°F to 104°F (-20°C to 40°C) start up: -4°F to 104°F (-20°C to 40°C) storage: -40°F to 176°F (-40°C to 80°C)
warranty	5 year limited warranty (refer to website for details)

NON-LED

CFL	13Q, 18T, 26T socket: PL: four pin plug-in type compact fluorescent lamp holder (lamp by others)
ballast	fluorescent electronic, UL listed ballast standard
HID	20W MH G12, 30W MH G12 socket: G12 base porcelain socket (lamp by others)
ballast	electronic ballast standard: ballast has a manufacturer issued 5 year warranty

ELECTRICAL

input voltage	Universal 120–277V AC standard 347V optional
power supply	integral Class II, electronic high-power factor > 94% EldoLED & Lutron optional
certification	CEC Title 24 - JA8 Compliant
standards	ETL / cETL or CE, tested to UL 1598 and UL 8750 standards / UL-Class I / IES LM-79 / LM-80 / FCC Part 15
power consumption	up to 35W max @ 120V
dimming interface	standard: LED dimming: 0-10V, 1% optional: ELV TRIAC dim to off DMX DALI

Expanded Disclaimer: Due to continuous development and improvements, specifications are subject to change without notice. FC Lighting and Solid State Luminaires reserves the right to change lab test details or specifications without notice. Product use certifies agreement to FC Lighting terms and conditions. FCC Series Cylinder Lights are engineered and produced in our Illinois manufacturing facility.



FCC400 Series

ORDERING INFORMATION

FCC400													
model	height	mounting	voltage	source	CCT	CRI	lumen output		finish	optics			
FCC400 Ø4.25"	10	SF Surface	UNV 120V-277V	LED	27K 2700K	CR83 83 CRI	Down	Up	BK black	Down			Up
	12	WM Wall	347V 347V		3K 3000K	CR93 Standard	5L 500 Lm (5W)	5L	BZ bronze	D 10	10° Narrow Spot		U 10
	14	PD Pendant			35K 3500K	CR93 93 CRI	10L 1000 Lm (10W)	10L	WH white	D 10° – 1500 Lm max – U 10°			
	16	CM Cord			No 97 CRI on 35K	CR97 97 CRI	15L 1500 Lm (15W)	15L	SL silver	D 15	15° Spot		U 15
	18	SM Slope			4K 4000K		20L 2000 Lm (21W)	20L	CC custom color	D 15° – 2500 Lm max – U 15°			
	20				57K 5700K		25L 2500 Lm (27W)	25L		D 25	25° Mid-Spot		U 25
					No 97 CRI on 57K		Total fixture lumens cannot exceed 3000 Lm - additional driver required for unequal output selections. 3000 Lm only available in one direction.			D 30	30° Narrow Flood		U 30
				R Red					D 50	50° Flood		U 50	
				G Green					D 90	90° Flat		U 90	
				B Blue									
				Contact the Factory for Non-LED source options			30L 3000 Lm (34W)	30L					
							83 CRI only on 30L						

Standard Driver Included: LED dimming: 0-10V, 1%

Driver Options (all drivers are 120V-277V unless otherwise specified)

MATCH SELECTION FROM CCT COLUMN ABOVE TO ONE CHOICE OF DRIVER FROM TABLE BELOW - review Driver Table on Pg 10 for driver specifications

STANDARD CCT (UNV) DRIVER OPTIONS	LUTRON DRIVER OPTIONS	eldoLED DRIVER OPTIONS	STANDARD CCT (347V) DRIVER OPTIONS
ET ELV or TRIAC	L2 Lutron 1%, 2-Wire, Forward Phase	E1 eldoLED 0-10V, Dim-to-Off	A3 347V 0-10V, Dim to 10%
LD 0-10V Dimming (1%)	L5 Lutron Ecosystem, 0.1%, Soft-on, Dim-to-Off	E2 eldoLED DALI, Dim-to-Off	
DMX DMX Dim to 0.1%,		E5 eldoLED 0-10, Dim to 1%	
DL DALI Dim to 0.1%,		E6 eldoLED DALI, Dim to 1%	
		E7 eldoLED DMX, Dim-to-Off	

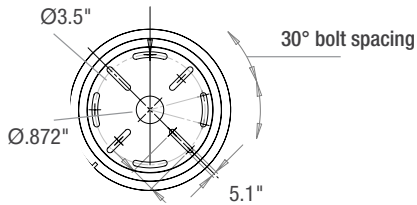
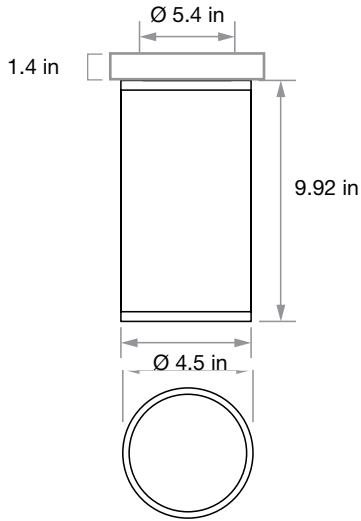
Options (choose one per fixture)

- SF Soft Field (solite)
- BBU Battery Backup (Remote)
- CPLX Custom Length Pendant (X=inches)
- CBLX Custom Length Cable (X=inches)
- OPC Opal Polycarbonate Lens
- CV Cut-Off Visor

MOUNTING OPTIONS

SURFACE MOUNT

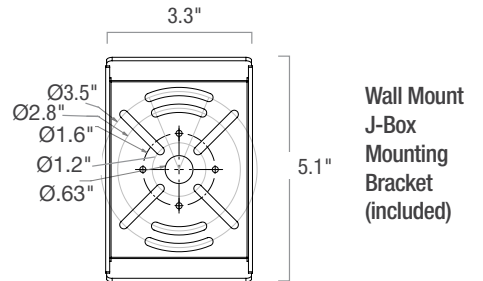
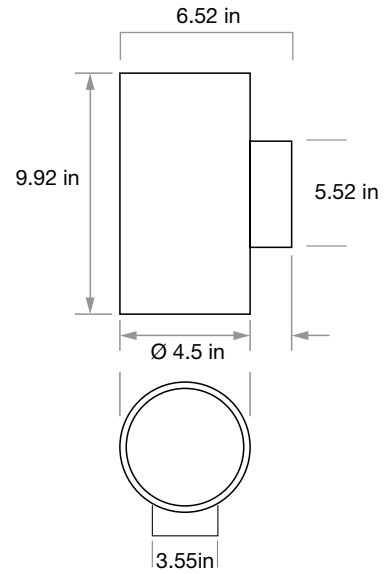
SF - surface mount	4.25" W
add to fixture height	1.4"



PENDANT MOUNT

WALL MOUNT

WM - wall mount	2.05" D
total fixture depth	8.36" D





Photometric Report (Type C)

Filename: FCC410W-D.IES
 [TEST] TypeC Intensity
 [TESTLAB] FC/SSL Lab
 [MANUFAC] FC/SSL Lighting
 [LUMINAIRE] 4" Round Wall, Pendant or Surface Mounted
 Die-Cast Aluminum Cylinder.
 [LAMP] LED

Maximum Candela = 2038.4 at 0 H 5 V

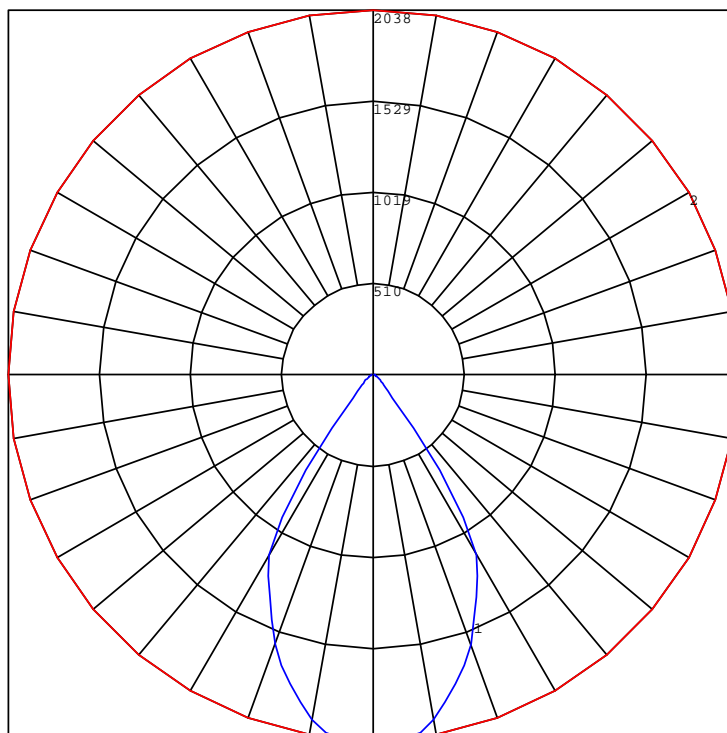
Classification:

Road Classification: Type V, Very Short, N.A. (deprecated)
 Luminaire Efficacy Rating (LER): 127
 Indoor Classification: Direct
 BUG Rating : B0-U4-G2

Polar Candela Curves:

Vertical Plane Through:
 1) 0 - 180 Horizontal

Horizontal Cone Through:
 2) 5 Vertical



VALOR ON WASHINGTON
EAST WASHINGTON
MADISON, WI

SCHEMATIC DESIGN

Project No. 19-XXX-00

Plot Date: 2019-05-07

Drawn by: BVE

Date: 2019.05.07 Issue Description: LOCAL PERMIT PACKAGE

Sheet Title

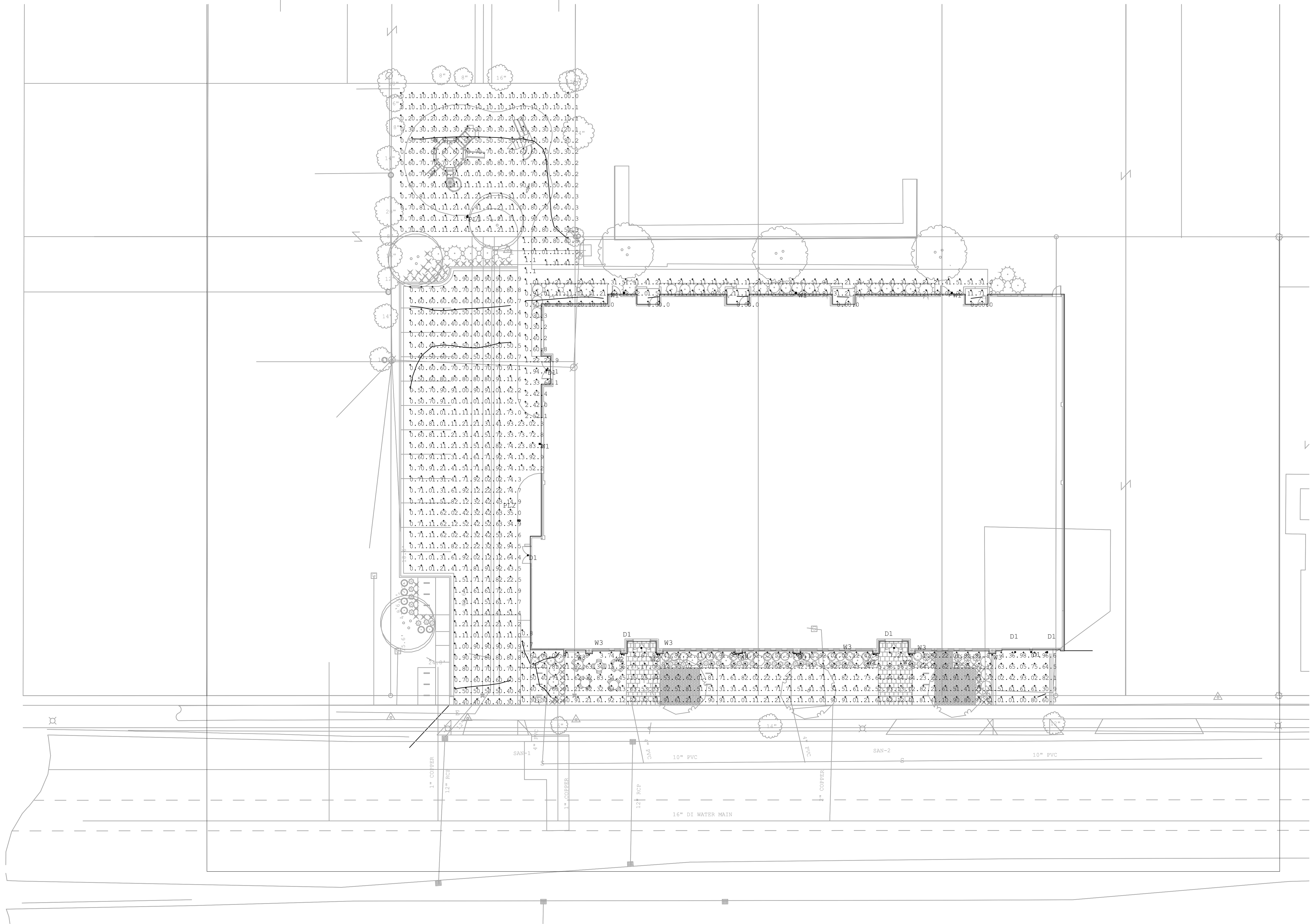
SITE PLAN - LIGHTING
CALCULATION

Sheet No.

ES101-CALC

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
NORTH WALK	Illuminance	Fc	1.30	7.1	0.0	N.A.	N.A.
PARKING	Illuminance	Fc	1.35	5.0	0.3	4.50	16.67
PLAYGROUND	Illuminance	Fc	0.62	1.7	0.0	N.A.	N.A.
SOUTH TERRACE	Illuminance	Fc	2.34	8.0	0.0	N.A.	N.A.
TRESPASS	Illuminance	Fc	0.05	0.2	0.0	N.A.	N.A.

Symbol	Qty	Tag	Label	Description	Lum. Watts	Lum. Lumens	LLF
⊙	7	D1	ML5606830-692H	6 INCH RECESSED DOWNLIGHT	9	655	0.900
⊙	1	PL1	GLEON-AF-01-LED-E1-5MQ-7030-6	PEDESTRIAN POLE	34	4173	0.900
⊙	1	PL2	GLEON-AF-02-LED-E1-SL3-7030-H	AREA LIGHT	113	9211	0.900
⊙	4	W1	ISW-AF-350-LED-E1-SL2-7030	WALL MOUNTED AREA LIGHT	20.09	2136	0.900
⊙	4	W2	SPI Harbor Exterior	DECORATIVE WALL SCONCE	35.8	2394	0.450
⊙	8	W3	FCC410W-D	EXTERIOR DOWNLIGHT CYLINDER	15	1900	0.800



VALOR ON WASHINGTON
EAST WASHINGTON
MADISON, WI

SCHEMATIC DESIGN

Project No. 19-XXX-00
Plot Date: 2019-05-07
Drawn by: BVE

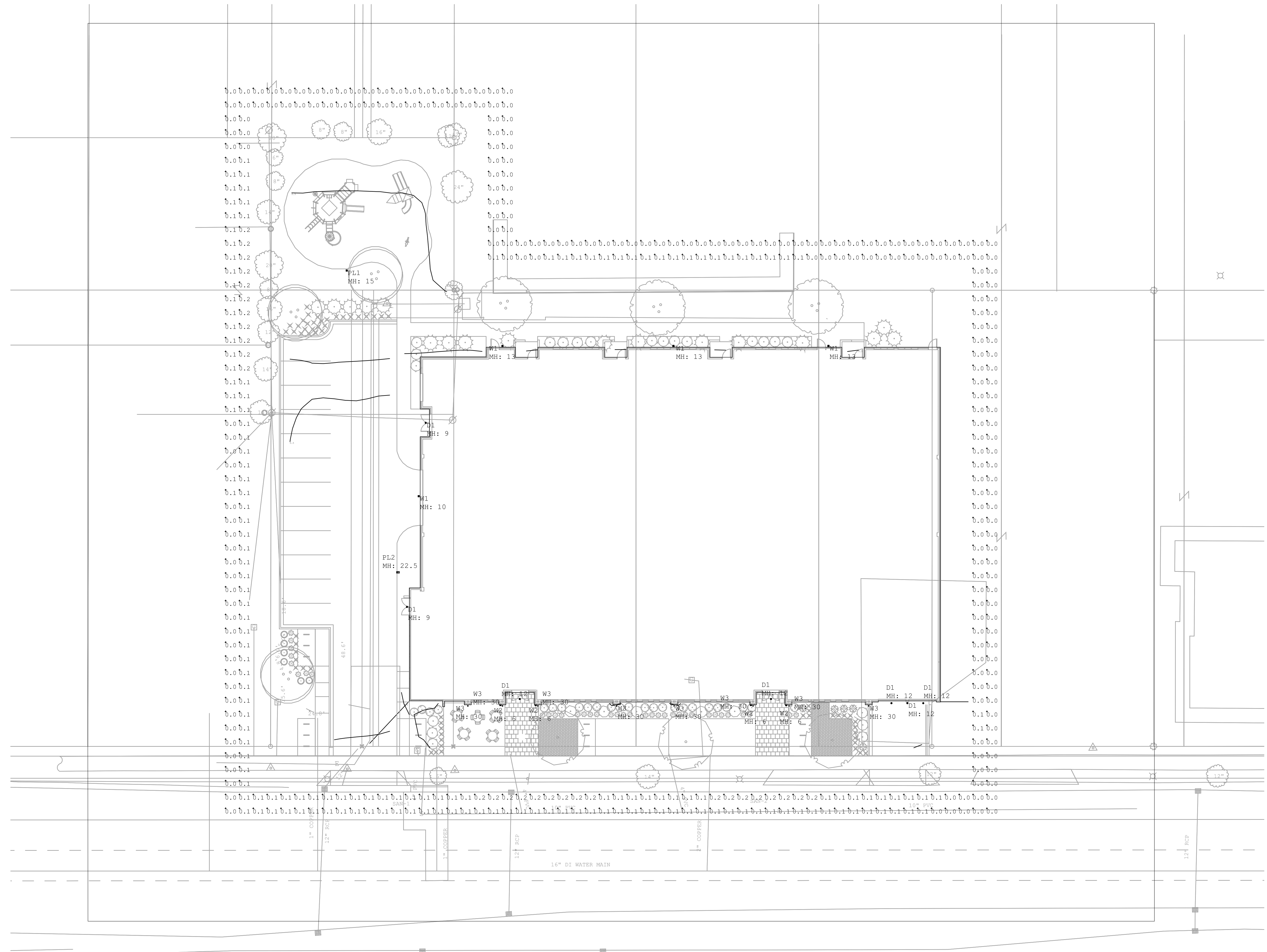
Date: 2019.05.07 Issue Description: LOCAL PERMIT PACKAGE

Sheet Title
SITE PLAN - LIGHTING
CALCULATION
- TRESSPASS

Sheet No.
ES101-TRES

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
NORTH WALK	Illuminance	Fc	1.30	7.1	0.0	N.A.	N.A.
PARKING	Illuminance	Fc	1.35	5.0	0.3	4.50	16.67
PLAYGROUND	Illuminance	Fc	0.62	1.7	0.0	N.A.	N.A.
SOUTH TERRACE	Illuminance	Fc	2.34	8.0	0.0	N.A.	N.A.
TRESSPASS	Illuminance	Fc	0.05	0.2	0.0	N.A.	N.A.

Luminaire Schedule							
Symbol	Qty	Tag	Label	Description	Lum. Watts	Lum. Lumens	LLF
⊙	7	D1	ML5606830-692H	6 INCH RECESSED DOWNLIGHT	9	655	0.900
⊙	1	PL1	GLEON-AF-01-LED-E1-5MQ-7030-6	PEDESTRIAN POLE	34	4173	0.900
⊙	1	PL2	GLEON-AF-02-LED-E1-SL3-7030-H	AREA LIGHT	113	9211	0.900
⊙	4	W1	ISW-AF-350-LED-E1-SL2-7030	WALL MOUNTED AREA LIGHT	20.09	2136	0.900
⊙	4	W2	SPI Harbor Exterior	DECORATIVE WALL SCONCE	35.8	2394	0.450
⊙	8	W3	FCC410W-D	EXTERIOR DOWNLIGHT CYLINDER	15	1900	0.800



1 SITE PLAN - LIGHTING CALCULATIONS - TRESSPASS
SCALE: 1/16" = 1'-0"