URBAN DESIGN COMMISSION APPLICATION CITY OF MADISON

This form may also be completed online at:
http://www.cityofmadison.com/planning/documents/UDCapplication.pdf

215 Martin Luther King Jr. Blvd; Room LL-100
PO Box 2985; Madison, Wisconsin 53701-2985
Phone: 608.266.4635 | Facsimile: 608.267.8739

Please complete all sections of the application, including the desired meeting date and the type of action requested.

Date Submitted: March 22, 2017	☐ Informational Presentation
UDC Meeting Date: May 10, 2017	☐ Initial Approval
Combined Schedule Plan Commission Date (if applicable): May 22, 2017	☑ Final Approval

1. Project Address: 9910 Watts Rd, Madison, WI

Project Title (if any): Latitude 43

2. This is an application for (Check all that apply to this UDC application):

☑ New Development ☐ Alteration to an Existing or Previously-Approved Development

A. Project Type:

☐ Project in an Urban Design District* (public hearing-$300 fee)
☐ Project in the Downtown Core District (DC) or Urban Mixed-Use District (UMX) ($150 fee, Minor Exterior Alterations)
☐ Suburban Employment Center (SEC) or 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 Planned Residential Complex

B. Signage:

☐ Comprehensive Design Review* (public hearing-$300 fee) ☐ Street Graphics Variance* (public hearing-$300 fee)
☐ Signage Exception(s) in an Urban Design District (public hearing-$300 fee)

C. Other:

☐ Please specify:

3. Applicant, Agent & Property Owner Information:

Applicant Name: Ulian Kissiov Company:
Street Address: 476 Presidential ln City/State: Madison, WI Zip: 53711
Telephone: (608) 320-3151 Fax:( ) Email: ukissiov@gmail.com

Project Contact Person: same as applicant Company:
Street Address: City/State: Zip:
Telephone:( ) Fax:( ) Email:

Project Owner (if not applicant): Dan Schmidt
Street Address: 818 N. Star Dr City/State: Madison, WI Zip: 53718
Telephone: (608-285-8680 Fax: (608-255-3387 Email: dans@rentfmi.com

4. Applicant Declarations:

A. Prior to submitting this application, the applicant is required to discuss the proposed project with Urban Design Commission staff. This application was discussed with DAT (name of staff person) on Jan 26, 2017 (date of meeting).

B. 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 Ulian Kissiov Relationship to Property ARCHITECT

Authorized Signature Date March 22, 2017

ULIAN KISSIOV - A R C H I T E C T

476 PRESIDENTIAL LANE, MADISON WI 53711

P. 608.320.3151 ukissiov@gmail.com

March 22, 2017

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

Re: Letter of Intent
Rezoning SR-V2 to TR-U1 and Conditional Use
9910 Watts Rd (Lot 1 off 1000 Oaks)
Madison, Wisconsin

Dear Ms. Stouder,

The following is submitted together with the plans and Land Use Application for staff, UDC, Plan Commission and Common Council consideration of approval.

The project is located on the far west side of Madison, in Lot 1 of 1000 Oaks Plat. The site is currently zoned SR-V2, we are proposing to rezone it to TR-U1 with a conditional approval for a multifamily building complex.

Project Team:

Owner/Developer: LATITUDE 43, LLC
818 North Star Dr.
Madison, WI 53718
Ph. 608-285-8680
Fax 608-255-3387
Contact: Dan Schmidt
dans@rentfmi.com

Architect: ULIAN KISSIOV
476 Presidential Ln
Madison, WI 53711
608-320-3151
ukissiov@gmail.com

Civil & Landscape Design: SNYDER & ASSOCIATES, INC.
5010 Voges Rd
Madison, WI 53718
608.838.0444
Contact: Louis Olson
lolson@snyder-associates.com

Project Description:

The proposed development lot is 3.97 acres in size. The development consist of two 3 story multifamily apartment building with a total of 105 dwelling units (26.45 du/acre) and 105 car parking stalls in underground parking garages. The clubhouse with the outdoor pool is facing the green space linked to the wetland along the west property line.

Exterior building materials comprise of block/brick veneer and composite wood siding. The building has been designed with contemporary look. It contains a range of studio, one, two and three bedroom apartments.

Legal Description:

LOT 1, 1000 OAKS, AS RECORDED IN VOLUME 59069B OF PLATS, ON PAGES 321323, AS DOCUMENT NUMBER 4546990, DANE COUNTY REGISTRY, CITY OF MADISON, DANE COUNTY, WISCONSIN, ALSO LOCATED IN THE NW ¼ OF THE SW ¼, SECTION 28, ALL IN T 07 N, R 08 E, CITY OF MADISON, DANE COUNTY, WISCONSIN, CONTAINING 173,057 SQUARE FEET.

Development Data:

Site Data:

Lot Area	173,057 SF
Impervious area	87,757 SF
Lot Area/D.U.	1648.16 SF/unit
Density	26.45 units/acre
Lot Coverage	50.75%
Usable Open Space	60,420 S.F.S

Vehicle Parking:

Surface Parking Stalls	65
Underground Parking Stalls	105
Accessible Parking Stalls	(4)
Total Parking Stalls	170

Bicycle Parking:

Surface Bicycle Stalls	11
Garage Bicycle Stalls	109
Total Bicycle Stalls	120

Building Area:	bldg. A (S.F.)	bldg. B (S.F.)
Basement	21,242	21,211
First Floor	23,089	21,211
Second Floor	19,979	21,211
Third Floor	19,979	21,211
Total	84,289	84,844

Building Height: Three Stories (~ 46' A.E.G.)

Dwelling Unit Mix:

Studio	12
One Bedroom	46
One Bedroom + Den	9
Two Bedroom	30
Two Bedroom + Den	2
Three Bedroom	6
Total	105

Construction Schedule:

It is anticipated that the new construction phase will commence July, 2017 and be completed Dec, 2018.

Thank you for your time and consideration of our project.

Sincerely,

Ulian Kissiov, ARCHITECT

KAX LED Size 1
LED Area Luminaire

Catalog Number

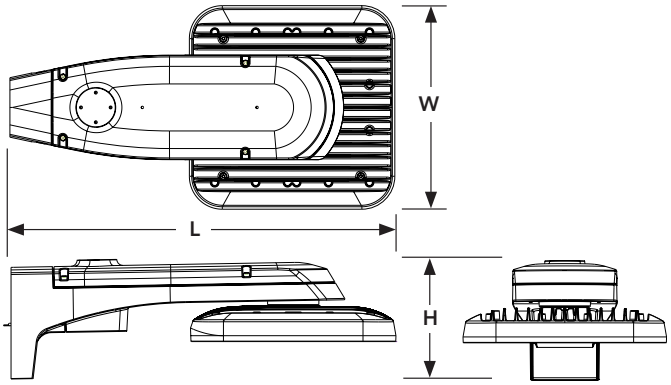
Notes

Type

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

Specifications

EPA:	0.7 ft² (0.07 m²)
Length:	25" (64 cm)
Width:	13-1/4" (34 cm)
Height:	7-3/4" (20 cm)
Weight (max):	26 lbs (11.8 kg)



A+ Capable Luminaire

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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

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

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: KAX1 LED P4 40K R3 MVOLT SPA DDBXD

KAX1 LED

Series	Performance package	Color temperature	Distribution	Voltage	Mounting
KAX1 LED	P1 P2 P3 P4	30K 3000 K 40K 4000 K 50K 5000 K	R3 Type 3 R4 Type 4 R5 Type 5	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 480	**Shipped included** SPA Square pole mounting RPA Round pole mounting **Shipped separately** KMA Mast arm adaptor [2,3]

Control options

Shipped installed

PER	NEMA twist-lock receptacle only (no controls) [4,5]
PER5	Five-wire receptacle only (no controls) [5,6]
PER7	Seven-wire receptacle only (no controls) [5,6]
PIR	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc [7]
PIRH	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc [7]
PIR1FC3V	Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [7]
PIRH1FC3V	Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [7]
FAO	Field adjustable output [8]

Other options

Shipped installed

HS	House-side shield [9]
SF	Single fuse (120, 277, 347V) [10]
DF	Double fuse (208, 240, 480V) [11]
TILT	Tilt arm

Shipped separately

BS	Bird spikes [9]
EGS	External glare shield [9]

Finish *(required)*

DDBXD	Dark bronze
DBLXD	Black
DNAXD	Natural aluminum
DWHXD	White
DDBTXD	Textured dark bronze
DBLBXD	Textured black
DNATXD	Textured natural aluminum
DWHGXD	Textured white

Ordering Information

Accessories
Ordered and shipped separately.

Controls & Shields

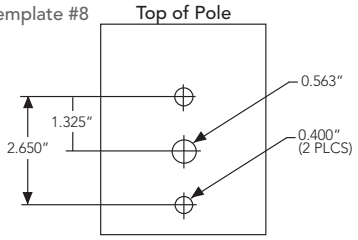
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [12]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [12]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [12]
DSHORT SBK U	Shorting cap [12]
KMA DDBXD U	Mast arm mounting bracket adaptor (specify finish) [2]
KAX1HS P1/P2 U	House-side shield (P1, P2)
KAX1HS P3/P4 U	House-side shield (P3, P4)
KAXBS U	Bird spikes
KAX1EGS U	External glare shield

For more control options, visit DTL and ROAM online.

NOTES
1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
2 For use with 2-3/8" mast arm (not included).
3 Needs to be order as a separate item.
4 Not available with ROAM®. See PER5 or PER7 option.
5 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See Accessories information.
6 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
7 PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required. Not available with PNMT options.
8 Dimming driver standard. Not available with PER5 or PER7.
9 Also available as a separate accessory; see Accessories information.
10 Must specify 120, 277, or 347V option.
11 Must specify 208, 240, or 480V option.
12 Requires luminaire to be specified with PER, PER5, or PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

Drilling

Template #8



KAX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	**DM29AS**	2 at 90° *
DM28AS	2 at 180°	**DM39AS**	3 at 90° *
DM49AS	4 at 90° *	**DM32AS**	3 at 120° **

Example: SSA 20 4C **DM19AS** DDBXD

Visit Lithonia Lighting's POLES CENTRAL to see our wide selection of poles, accessories and educational tools.
**Round pole top must be 3.25" O.D. minimum.*
***For round pole mounting (RPA) only.*

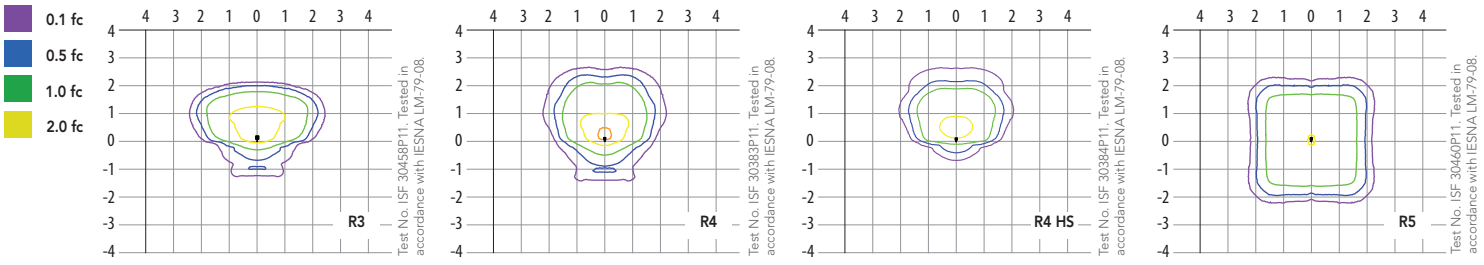
Tenon Mounting Slipfitter **

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's KAX1 Area Light homepage.
Isofootcandle plots for the KAX1 LED P4 40K. Distances are in units of mounting height (30').

LEGEND



Performance Data

Lumen Output

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

Performance Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	50	R3	6,212	1	0	1	124	6,628	1	0	1	133	6,745	1	0	2	135
		R4	6,444	1	0	1	129	6,876	1	0	1	138	6,997	1	0	1	140
		R5	6,826	3	0	1	137	7,283	3	0	1	146	7,411	3	0	1	148
P2	96	R3	10,687	2	0	2	111	11,403	2	0	2	119	11,603	2	0	2	121
		R4	11,087	2	0	2	115	11,829	2	0	2	123	12,037	2	0	2	125
		R5	11,743	3	0	1	122	12,529	3	0	2	131	12,750	3	0	2	133
P3	130	R3	15,567	2	0	3	120	16,609	2	0	3	128	16,902	2	0	3	130
		R4	16,149	2	0	2	124	17,230	2	0	3	133	17,533	2	0	3	135
		R5	17,106	4	0	2	132	18,251	4	0	2	140	18,572	4	0	2	143
P4	160	R3	18,623	3	0	3	116	19,869	3	0	3	124	20,219	3	0	3	126
		R4	19,319	3	0	3	121	20,612	3	0	3	129	20,975	3	0	3	131
		R5	20,463	4	0	2	128	21,833	4	0	2	136	22,217	4	0	2	139

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).
* Shaded cells include active dynamic temperature sensing.

Ambient	Lumen Multiplier			
	P1	P2	P3	P4
0°C	1.05	1.05	1.05	1.05
10°C	1.03	1.03	1.03	1.03
20°C	1.01	1.01	1.01	1.01
25°C	1	1	1	1
30°C	0.99	0.99	0.99	0.99
40°C	0.97	0.97	0.97	0.95
45°C	0.96	0.96	0.93	0.81
50°C	0.95	0.95	0.78	0.67

Electrical Load

Package		120V	208V	240V	277V	347V	480V
P1	Current (A)	0.42A	0.24A	0.21A	0.18A	0.15A	0.12A
	System Watts	50W	49W	49W	49W	49W	49W
P2	Current (A)	0.80A	0.46A	0.40A	0.35A	0.28A	0.21A
	System Watts	96W	94W	94W	93W	94W	93W
P3	Current (A)	1.08A	0.62A	0.54A	0.47A	0.39A	0.30A
	System Watts	130W	127W	127W	126W	128W	128W
P4	Current (A)	1.33A	0.76A	0.66A	0.58A	0.48A	0.36A
	System Watts	160W	156W	156W	155W	159W	159W

Projected LED Lumen Maintenance

Operating Hours	25,000	50,000	100,000
Lumen Maintenance Factor	>0.94	>0.89	>0.80

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

FEATURES & SPECIFICATIONS

INTENDED USE

This feature-rich luminaire embodies the highest level of functionality with extraordinary efficacy which maximizes your application efficiency providing high levels of light for minimal cost specifically on small to medium sized parking lots like banks, restaurants, service stations, corporate offices and strip malls.

CONSTRUCTION

Separated die-cast aluminum heat sink and mounting arm allow maximum air flow and separated electrical compartments to promote cool operating environments extending component life. This modular design allows for ease of maintenance and future light engine upgrades. The KAX features a field rotatable optical assembly enabling on-the-fly adjustments when plans change, and can even be tilted upwards if necessary for additional forward throw. The housing is completely sealed against moisture and environmental contaminants (IP66). Low EPA (0.7 ft ^{2}) for optimized pole wind loading.

FINISH

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

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. Light engines are available in 3000 K, 4000 K or 5000 K (minimum 70 CRI) configurations. In its standard configuration the KAX has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight. With the TILT option, the optical assembly can be raised up to 80 degrees for additional forward throw or to provide vertical illumination.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (>L80/100,000 hours). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

The base of the mounting arm features a universal mounting template to facilitate quick and easy installation. Mounting bolts featuring a 1000-hour salt fog finish are utilized to secure the luminaire providing up to a 1.5 G vibration load rating per ANSI C136.31. The KAX utilizes the AERIS™ series pole drilling pattern. Optional bi-level motion sensor and NEMA 3, 5 or 7 pin twist lock photocontrol receptacle are also available.

LISTINGS

CSA Listed for wet locations. Light engines and electrical compartment are IP66 rated. Rated for temperatures as low as -40°C minimum ambient.

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

WARRANTY

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

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

LITHONIA LIGHTING®

Catalog Number	
Notes	
Type	

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -30ºC to 40ºC.

1KV surge protection standard.

INSTALLATION

Surface mounts to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

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

Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Note: Specifications subject to change without notice.

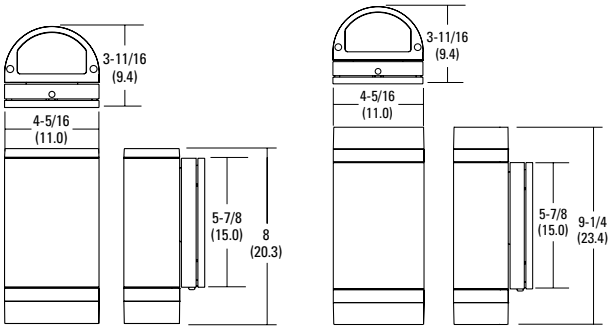
Outdoor General Purpose

OLLWD & OLLWU

LED WALL CYLINDER LIGHT

Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION For shortest lead times, configure products using **bolded options**.

Example: OLLWD LED P1 40K MVOLT DDB

Series	Color temperature (CCT)	Voltage	Finish
OLLWD LED Downlight	**40K** 4000K	**MVOLT** 120V-277V	**DDB** Dark bronze
OLLWU LED Up & downlight		**120** 120V[1]	**WH** White

Notes

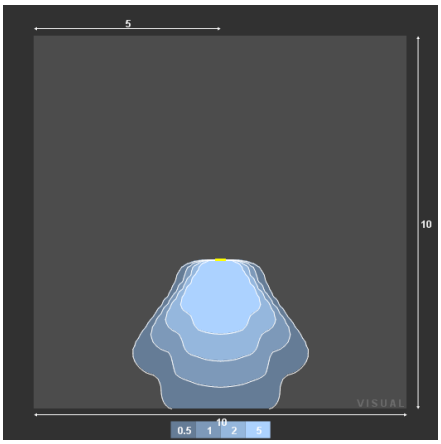
1 Only available with OLLWU and in DDB.

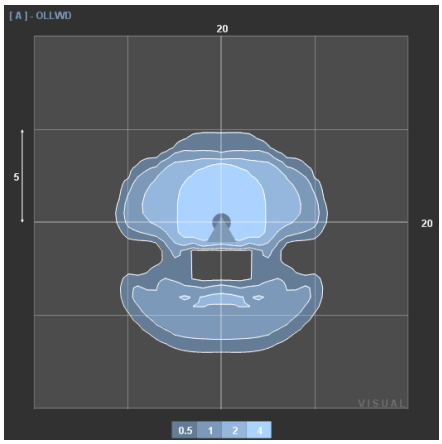
OLLWD & OLLWU LED Wall Cylinder Light

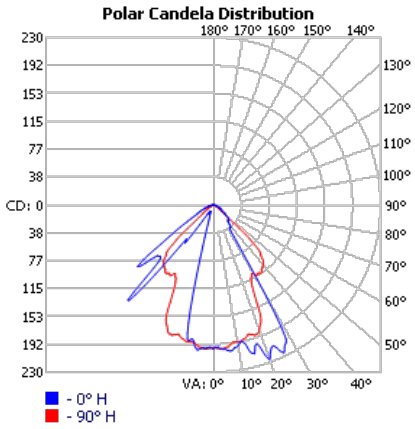
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product,visit Lithonia Lighting's Outdoor LED homepage
Tested in accordance with IESNA LM-79 and LM-80 standards.

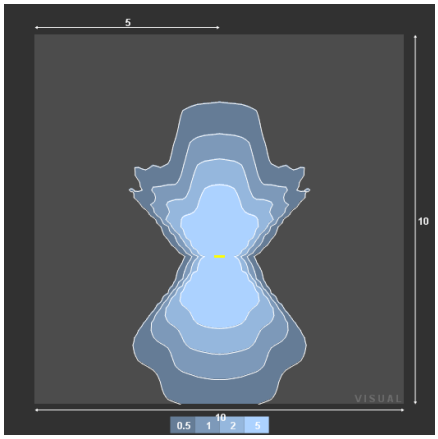
OLLWD

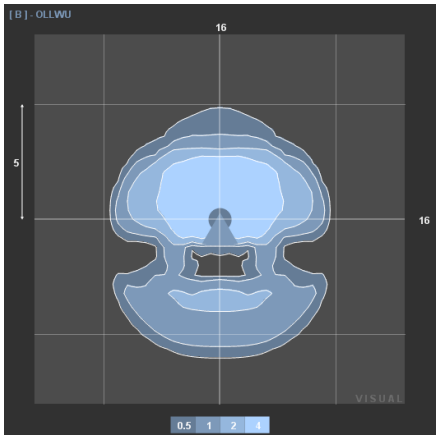


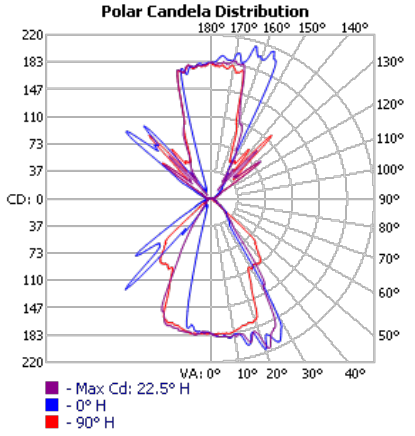




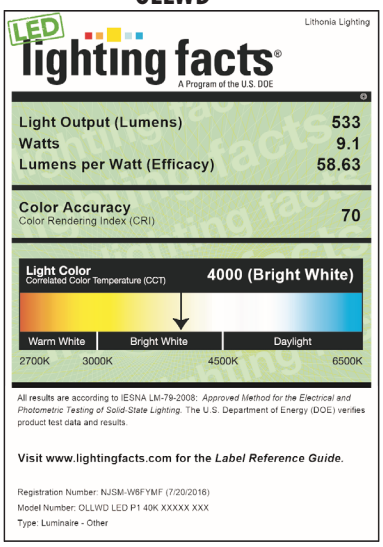
OLLWU



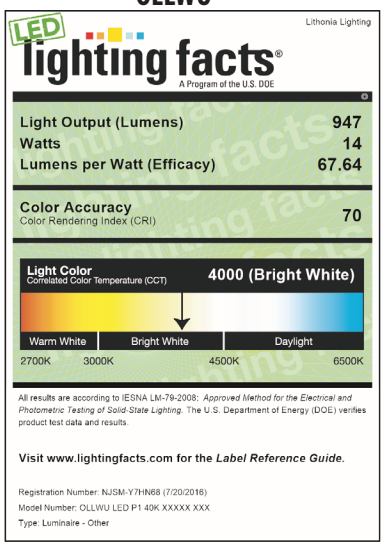




OLLWD



OLLWU



MRP LED
LED Area Luminaire

Catalog Number

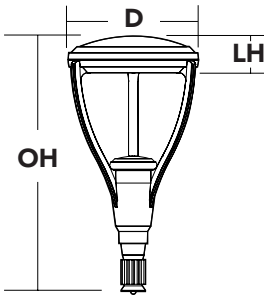
Notes

Type

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

Specifications

EPA:	1.125 ft² *(0.105 m²)*
Luminaire Height:	6-3/8″ *(16.2 cm)*
Overall Height:	32″ *(81.3 cm)*
Diameter:	18″ *(45.7 cm)*
Weight (max):	37.5 lbs *(17 kg)*



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

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a shaded background. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability1
- This luminaire is part of an A+ Certified solution for ROAM®2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background[1]

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

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: Link to Roam; Link to DTL DLL

A+ Capable options indicated by this color background.

Ordering Information

EXAMPLE: MRP LED 42C 700 40K SR5 MVOLT DDBXD

MRP LED

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
MRP LED	42C 42 LEDs (one engine)	350 350mA 530 530mA 700 700mA 1000 1000mA (1A)	30K 3000K 40K 4000K 50K 5000K	SR2 Type II SR3 Type III SR4 Type IV SR5 Type V	MVOLT [1] 277 [1] 120 [1] 347 208 [1] 480 240 [1]	**Shipped included** (blank) Fits 4″OD round pole **Shipped separately** [2] MRPT20 2-3/8″ tenon slipfitter MRPT25 2-7/8″ tenon slipfitter **Shipped separately** [2] MRPT30 3-1/2″tenon slipfitter MRPT35 4″tenon slipfitter MRPF3 3″OD round pole adapter MRPF5 5″OD round pole adapter [3]

Control options

Shipped installed

PER	NEMA twist-lock receptacle only (no controls)
PER5	Five-wire receptacle only (no controls) [4]
PER7	Seven-wire receptacle only (no controls) [4]
DMG	0-10V dimming driver (no controls) [5]
BL30	Bi-level switched dimming, 30% [6,7]
BL50	Bi-level switched dimming, 50% [6,7]
PNMTDD3	Part night, dim till dawn [7]
PNMT5D3	Part night, dim 5 hrs [7]
PNMT6D3	Part night, dim 6 hrs [7]
PNMT7D3	Part night, dim 7 hrs [7]

Other options

SF	Single fuse (120, 277, 347V) [1]
DF	Double fuse (208, 240, 480V) [1]

Finish *(required)*

DDBXD	Dark bronze	DDBTXD	Textured dark bronze
DBLXD	Black	DBLBXD	Textured black
DNAXD	Natural aluminum	DNATXD	Textured natural aluminum
DWHXD	White	DWHGXD	Textured white

Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) [8]
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) [8]
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) [8]
DSHORT SBK U	Shorting cap [8]
MRPT20 DDBXD U	2-3/8" tenon slipfitter (specify finish)
MRPT25 DDBXD U	2-7/8" tenon slipfitter (specify finish)
MRPT30 DDBXD U	3-1/2" tenon slipfitter (specify finish)
MRPT35 DDBXD U	4" tenon slipfitter (specify finish)
MRPF3 DDBXD U	3" OD round pole adapter (specify finish)
MRPF5 DDBXD U	5" OD round pole adapter (specify finish) [3]

For more control options, visit DTL and ROAM online.

NOTES

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Single fuse (SF) requires 120 or 277 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
2. Also available as a separate accessory; see Accessories information at left.
3. Maximum pole wall thickness is 0.156".
4. If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls.
5. Not available with 347 or 480V.
6. Requires an additional switched line.
7. Dimming driver standard. Not available with 347V, 480V, SF, DF, PER5 or PER7.
8. Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

Performance Data

Lumen Output

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

LEDs	Drive Current (mA)	System Watts	Dist. Type	40 K (4000 K, 70 CRI)				
				Lumens	B	U	G	LPW
42C (42 LEDs)	530	75W	SR2	6,605	1	2	1	88
			SR3	6,581	1	1	2	88
			SR4	6,537	1	1	2	87
			SR5	6,959	3	1	3	93
	700	100W	SR2	8,026	2	2	2	80
			SR3	7,997	1	2	2	80
			SR4	7,943	1	2	2	79
			SR5	8,456	3	2	3	85
	1000	151W	SR2	9,885	2	2	2	65
			SR3	9,848	2	2	2	65
			SR4	9,782	2	2	2	65
			SR5	10,414	4	2	4	69

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.06
10°C	50°F	1.04
20°C	68°F	1.01
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **MRP LED 42C 700** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.96	0.92	0.85

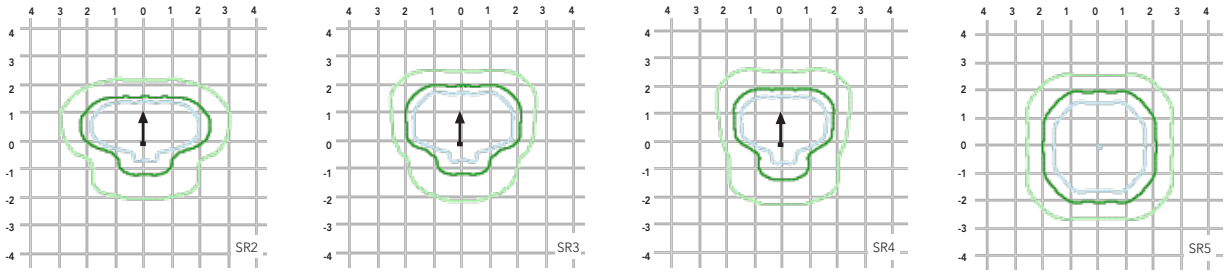
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's MRP LED homepage.

Isofootcandle plots are considered to be representative of available optical distributions.

LEGEND

- 0.1 fc
- 0.5 fc
- 1.0 fc



FEATURES & SPECIFICATIONS

INTENDED USE
Streets, walkways, parking lots and surrounding areas.

CONSTRUCTION
Single-piece die-cast aluminum housing with nominal wall thickness of .012". Die-cast top access doorframe has impact-resistant, tempered glass lens (3/16" thick). Doorframe is fully gasketed with one-piece tubular silicone.

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

OPTICS
Precision acrylic refractive optics for optimum light distribution through the flat glass lens. Light engines are available in standard 3000K (70 CRI) or optional 4000K (70 CRI) or 5000K (70 CRI) configurations.

ELECTRICAL
Light engine consists of 42 high-efficacy LEDs mounted to a metal-core circuit board and aluminum heat sink, ensuring optimal thermal management and long life. Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Easily-serviceable surge protection device meets a minimum Category C Low for operation (per ANSI/IEEE C62.41.2).

INSTALLATION
Standard post-top mounting configuration fits into a 4" OD open pole top (round pole only). Multiple options and accessories are available for other mounting needs.

LISTINGS
CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. Rated for -40°C minimum ambient. **U.S. Patent No. D556,357.**

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

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

OLWX1 LED
LED Wall Luminaire

Catalog Number

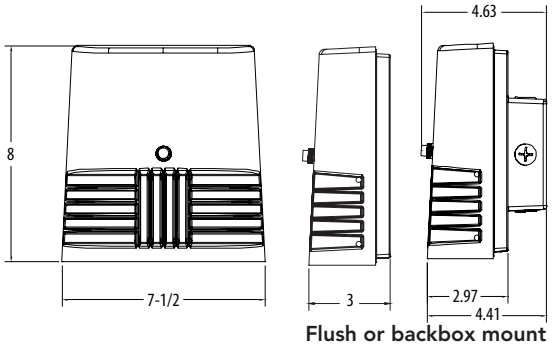
Notes

Type

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

Specifications

Width:	7-1/2" *(19 cm)*
Height:	8" *(20.3 cm)*
Depth:	3" *(7.62 cm)*
Weight:	5 lbs *(2.27kg)*



Flush or backbox mount

Introduction

As versatile as it is efficient, the OLWX1 is designed to replace up to 250W metal halide while saving over 87% in energy costs. It combines multiple mounting options with the latest generation of LEDs for a wall pack luminaire that converts to a whole lot more. Whether you are mounting it to a recessed junction box, conduit/through wiring, as an up light, as a down light, or as a flood light – the OLWX1 has you covered.

Ordering Information

EXAMPLE: OLWX1 LED 20W 50K

OLWX1 LED											
Series	**Performance Package**		**Color Temperature**		**Voltage**		**Controls**		**Finish**	
OLWX1 LED	13W	13 watts	40K	4000 K [1]	(blank)	MVOLT [2]	(blank)	None	(blank)	Dark bronze
	20W	20 watts	50K	5000 K	120	120V [3]	PE	120V button photocell [1,3]		
	40W	40 watts			347	347V				

Accessories

Ordered and shipped separately.

OLWX1TS	Slipfitter – size 1
OLWX1YK	Yoke – size 1
OLWX1THK	Knuckle – size 1

NOTES

1 Not available with 347V option.
2 MVOLT driver operates on any line voltage from 120-277V (50/60Hz).
3 Specify 120V when ordering with photocell (PE option).

FEATURES & SPECIFICATIONS

INTENDED USE

The versatility of the OLWX1 LED combines a sleek, low-profile wall pack design and high-output LEDs to provide an energy efficient, low maintenance LED wall pack suitable for replacing up to 250W metal halide fixtures. Available flood light mounting accessories convert the OLWX1 LED into a highly efficient flood light.

OLWX1 LED is ideal for outdoor applications such as building perimeters, loading areas, driveways and sign and building flood lighting.

CONSTRUCTION

Rugged cast-aluminum housing with textured dark bronze polyester powder paint for lasting durability. Integral heat sinks optimize thermal management through conductive and convective cooling. LEDs are protected behind a glass lens. Housing is sealed against moisture and environmental contaminants (IP65).

OPTICS

High-performance LEDs behind clear glass for maximum light output. Light engines are available in 4000K and 5000K CCTs. See Lighting Facts label and photometry reports for specific fixture performance.

ELECTRICAL

Light engine consists of 1 high-efficiency Chip On Board (COB) LED with integrated circuit board mounted directly to the housing to maximize heat dissipation and promote long life (L73/100,000 hours at 25°C). Electronic drivers have a power factor >90% and THD <20% and a minimum 2.5kV surge rating. Flood light mounting accessories include an additional 6kV surge protection device.

INSTALLATION

Easily mounts to recessed junction boxes with the included wall mount bracket, or for surface mounting and conduit entry - with the included junction box with five 1/2" threaded conduit entry hubs. Flood light mounting accessories (sold separately) include knuckle, integral slipfitter and yoke mounting options. Each flood mount accessory comes with a top visor and vandal guard. Luminaire may be wall or ground mounted in downward or upward orientation.

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations. Rated for -40° C minimum ambient. Tested in accordance with IESNA LM-79 and LM-80 standards. DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

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

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

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com

Performance Data

Lumen Output

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

Fixture Model Number	CCT	System Watts	Lumens	LPW	B	U	G	CRI
OLWX1 LED 13W 40K	4000 K	14 W	1,271	91	1	0	0	>70
OLWX1 LED 13W 50K	5000 K	14 W	1,289	92	1	0	0	>80
OLWX1 LED 20W 40K	4000 K	20 W	2,697	135	1	0	0	>70
OLWX1 LED 20W 50K	5000 K	19 W	2,663	140	1	0	0	>70
OLWX1 LED 40W 40K	4000 K	39 W	4,027	101	2	0	0	>70
OLWX1 LED 40W 50K	5000 K	37 W	4,079	110	2	0	0	>70

Electrical Load

Fixture Model Number	Rated Power (watts)	Input current at given input voltage (amps)				
		120V	208V	240V	277V	347V
OLWX1 LED 13W 40K	14 W	0.12	0.07	0.06	0.06	0.04
OLWX1 LED 13W 50K	14 W	0.12	0.07	0.06	0.06	0.04
OLWX1 LED 20W 40K	20 W	0.20	0.12	0.10	0.09	0.06
OLWX1 LED 20W 50K	19 W	0.20	0.12	0.10	0.09	0.06
OLWX1 LED 40W 40K	39 W	0.37	0.21	0.19	0.16	0.11
OLWX1 LED 40W 50K	37 W	0.37	0.21	0.19	0.16	0.11

Lumen Ambient Temperature (LAT) Multipliers

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

	0°C	10°C	20°C	25°C	30°C	40°C
13W	1.06	1.03	1.01	1.00	0.99	0.96
20W	1.06	1.04	1.01	1.00	0.99	0.96
40W	1.07	1.04	1.01	1.00	0.99	0.96

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
OLWX1 LED 13W	1.00	0.92	0.85	0.73
OLWX1 LED 20W	1.00	0.92	0.85	0.73
OLWX1 LED 40W	1.00	0.94	0.88	0.79

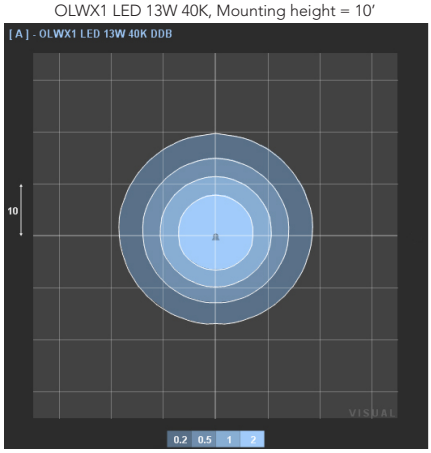
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting OLWX1 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND

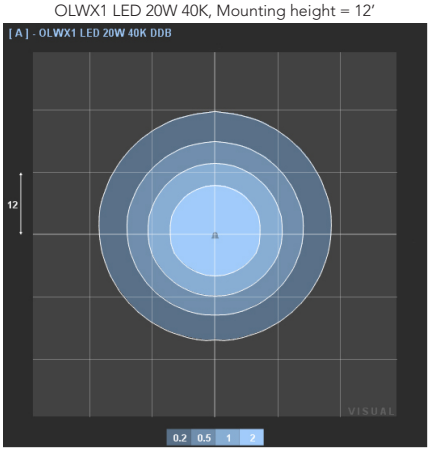
- 0.2 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc

OLWX1 LED 13W 40K, Mounting height = 10'



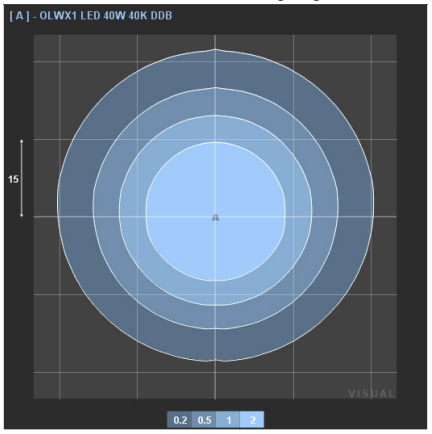
Test No. LTL22697 tested in accordance with IESNA LM-79-08.

OLWX1 LED 20W 40K, Mounting height = 12'



Test No. LTL22696 tested in accordance with IESNA LM-79-08.

OLWX1 LED 40W 40K, Mounting height = 15'



Test No. LTL22695 tested in accordance with IESNA LM-79-08.

Accessories

OLWX1TS
Slipfitter – size 1

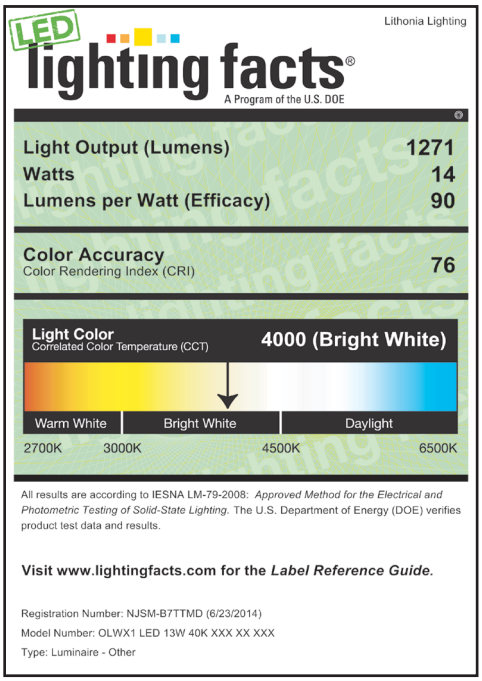
OLWX1YK
Yoke – size 1

OLWX1THK
Knuckle – size 1

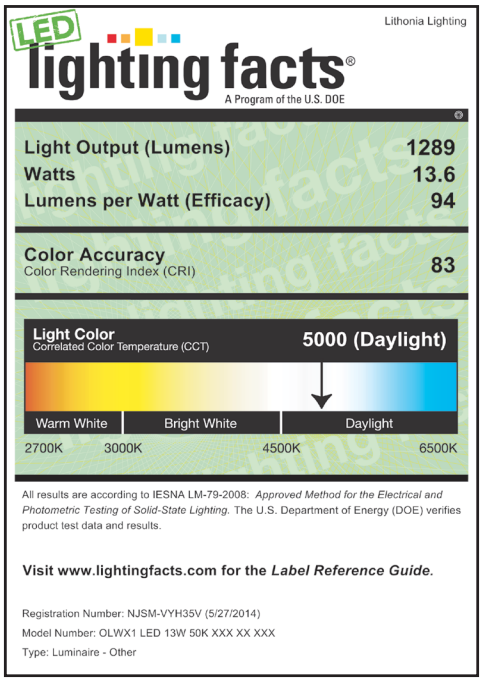
Top Visor and Vandal Guard included with accessories

Lighting Facts Labels

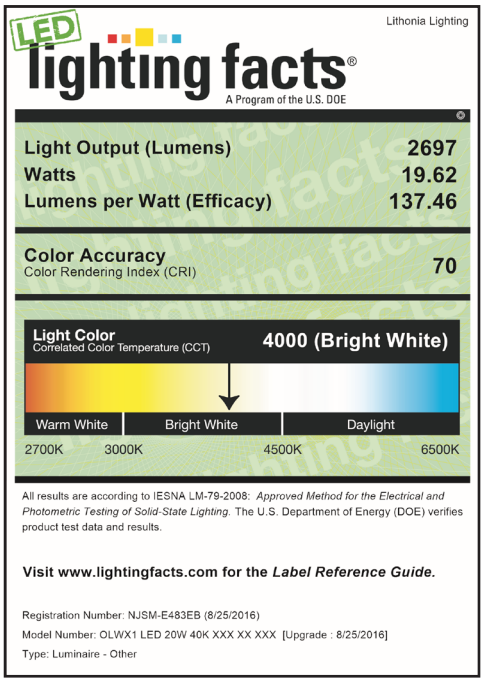
OLWX1 LED 13W 40K XXX XX XXX



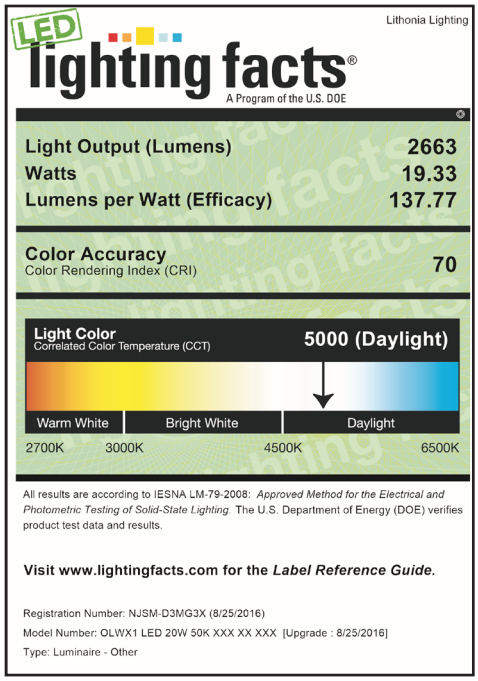
OLWX1 LED 13W 50K XXX XX XXX



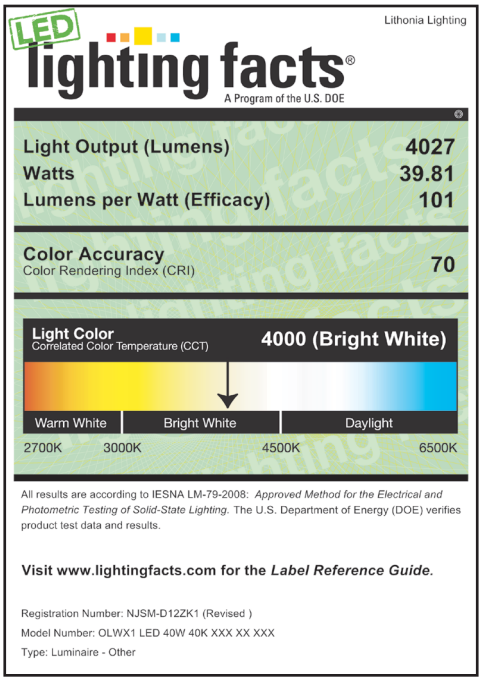
OLWX1 LED 20W 40K XXX XX XXX



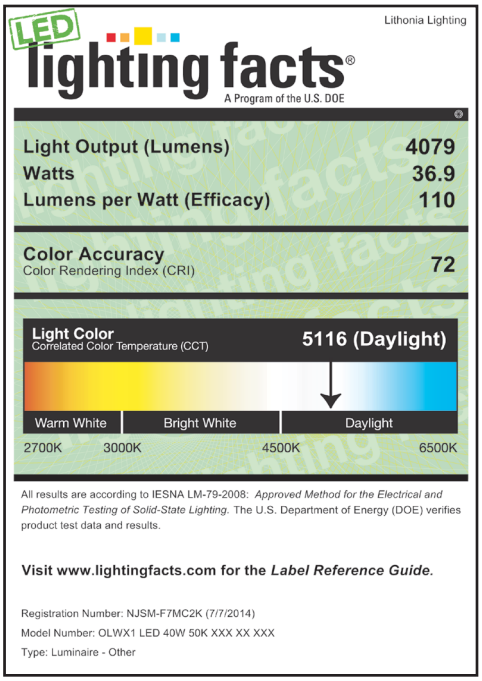
OLWX1 LED 20W 50K XXX XX XXX



OLWX1 LED 40W 40K XXX XX XXX



OLWX1 LED 40W 50K XXX XX XXX



D-Series
LED Bollard

d-series

Catalog Number

Notes

Type

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

Introduction

The D-Series LED Bollard is a stylish, energy-saving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Specifications

Diameter: 8" Round *(20.3 cm)*

Height: 42" *(106.7 cm)*

Weight (max): 27 lbs *(12.25 kg)*

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

DSXB LED								
Series	**LEDs**	**Drive current**	**Color temperature**	**Distribution**	**Voltage**	**Control options**	**Other options**	**Finish** *(required)*
DSXB LED	**Asymmetric** 12C 12 LEDs[1] **Symmetric** 16C 16 LEDs[2]	350 350 mA 450 450 mA [3,4] 530 530 mA 700 700 mA	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength [3,4]	ASY Asymmetric [1] SYM Symmetric [2]	MVOLT [5] 120 [5] 208 [5] 240 [5] 277 [5] 347 [4]	**Shipped installed** PE Photoelectric cell, button type DMG 0-10V dim-ming driver (no controls) ELCW Emergency battery backup[6]	**Shipped installed** SF Single fuse (120, 277, 347V) [4,7] DF Double fuse (208, 240V) [4,7] H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts [8]	DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for DSXB [8]

NOTES

1. Only available in the 12C, ASY version.
2. Only available in the 16C, SYM version.
3. Only available with 450 AMBLW version.
4. Not available with ELCW.
5. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
6. Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
7. Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
8. MRAB U not available with L/AB4 option.

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • www.lithonia.com

Performance Data

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
Asymmetric (12 LEDs)	350	16	1,194	75	1	0	1	1,283	80	1	0	1	1,291	81	1	0	1					
	530	22	1,719	78	1	0	1	1,847	84	1	0	1	1,859	85	1	0	1					
	700	31	2,173	70	1	0	1	2,335	75	1	0	1	2,349	76	1	0	1					
	Amber 450	16																348	22	1	0	1
Symmetric (16 LEDs)	350	20	1,558	78	1	0	0	1,674	84	1	0	0	1,685	84	1	0	0					
	530	28	2,232	80	2	0	1	2,397	86	2	0	1	2,412	86	2	0	1					
	700	39	2,802	72	2	0	1	3,009	77	2	0	1	3,028	78	2	0	1					
	Amber 450	20																419	21	1	0	1

Note: Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

Projected LED Lumen Maintenance

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

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

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.00	0.98	0.97	0.95

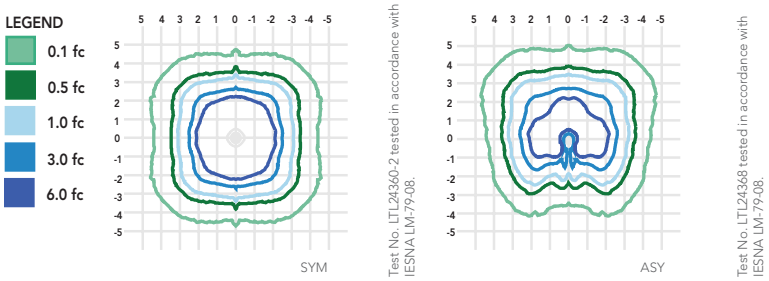
Electrical Load

Light Engines	Drive Current (mA)	System Watts	Current (A) 120	208	240	277	347
12C	350	16W	0.158	0.118	0.114	0.109	0.105
	530	22W	0.217	0.146	0.136	0.128	0.118
	700	31W	0.296	0.185	0.168	0.153	0.139
	Amber 450	16W	0.161	0.120	0.115	0.110	0.106
16C	350	20W	0.197	0.137	0.128	0.121	0.114
	530	28W	0.282	0.178	0.162	0.148	0.135
	700	39W	0.385	0.231	0.207	0.185	0.163
	Amber 450	20W	0.199	0.139	0.130	0.123	0.116

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Bollard homepage.

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE
The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION
One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH
Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS
Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL
Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS
CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

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

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

PROJECT:

LATITUDE 43

9910 WATTS RD, MADISON, WI

OWNER:

LATITUDE 43, LLC

818 NORTH STAR DRIVE
MADISON, WISCONSIN 53718
CONTACT: DAN SCHMIDT
PHONE: 608-285-8680
FAX: 608-255-3387
email: dans@rentfmi.com

ARCHITECT:

ULIAN KISSIOV

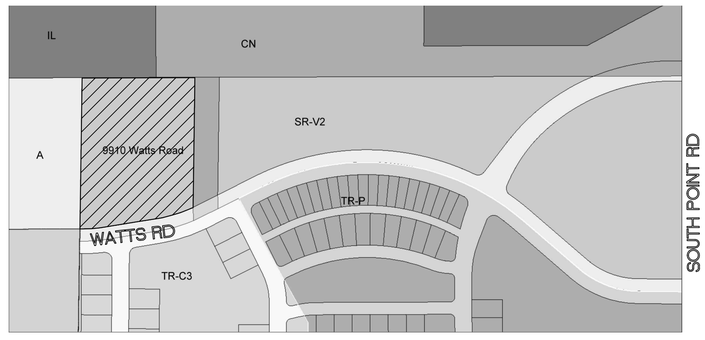
476 PRESIDENTIAL LANE
MADISON, WISCONSIN 53711
PHONE: 608-320-3151
email: ukissiov@charter.net

CIVIL ENGINEER, SURVEYOR, LANDSCAPE ARCHITECT:

SNYDER & ASSOCIATES, INC.

510 VOGES ROAD
MADISON, WISCONSIN 53718
CONTACT: LOUIS OLSON
PHONE: 608-838-0444
email: lolson@snyder-associates.com

SHEET INDEX



LOCATION MAP

NO SCALE

UNIT MIX:

UNIT TYPE	# UNITS BLDG. A	# UNITS BLDG. B	# UNITS TOTAL	% OF TOTAL
STUDIO	6	6	12	11.4%
ONE BEDROOM	22	24	46	43.8%
ONE BEDROOM+DEN	6	3	9	8.6%
TWO BEDROOM	12	18	30	28.6%
TWO BEDROOM+DEN	2	–	2	1.9%
THREE BEDROOM	3	3	6	5.7%
	51	54	105	100%

BUILDING AREA:

FLOOR	SQ.F. BLDG. A	SQ.F. BLDG. B
UNDERGR. PARKING	21,242	21,211
FIRST FLOOR	23,089	21,211
SECOND FLOOR	19,979	21,211
THIRD FLOOR	19,979	21,211
TOTAL	84,289	84,844

* SEE SITE PLAN FOR SITE DATA

MARCH 22, 2017


Lafitte 43

CONTEXTUAL SITE VIEW

ULIAN KISSIOV
ARCHITECT
476 PRESIDENTIAL LN
MADISON, WI 53711
PHONE: 608-320-3151
ukissiov@gmail.com

PROJECT:
LATITUDE 43
9910 WATTS ROAD, MADISON, WI
CLIENT:
LATITUDE 43, LLC
818 NORTH STAR DRIVE, MADISON, WI 53718

PROJECT: 2017-03
CAD FILE:
DRAWN BY: U.K.
DATE: 03/22/17

CONT.

OUTLOT 1

SILT FENCE

SILT FENCE

S0°55'30"W 423.45'

20' WIDE PUBLIC SANITARY SEWER EASEMENT PER DOCUMENT 4185599

TYPE "D" INLET PROTECTION (TYP)

0 10 20 40 60

SCALE: ONE INCH = TWENTY FEET

LEGAL DESCRIPTION FOR 9910 WATTS ROAD

LOT 1, 1000 OAKS, AS RECORDED IN VOLUME 59-069B OF PLATS, ON PAGES 321-323, AS DOCUMENT NUMBER 4546990, DANE COUNTY REGISTRY, CITY OF MADISON, DANE COUNTY, WISCONSIN, ALSO LOCATED IN THE NW ¼ OF THE SW ¼, SECTION 28, ALL IN T 07 N, R 08 E, CITY OF MADISON, DANE COUNTY, WISCONSIN,

CONTAINING 173,057 SQUARE FEET

CURRENT ZONING IS SV-R2

PROPOSED ZONING TR-U1

10' WIDE INTRA-BLOCK DRAINAGE EASEMENT

30' WIDE LANDSCAPE BUFFER

N89°56'47"E 369.62'

LOT 1

TRACKING PAD

D=16°37'20"
L=126.79, R=185.00

12' WIDE PUBLIC UTILITY EASEMENT

TYPE "D" INLET PROTECTION (TYP)

WATTS ROAD

OUTLOT 3

N80°47'36"E 165.00'

TYPE "D" INLET PROTECTION (TYP)

75' WETLANDS SETBACK BASED ON DELINATED WETLANDS BY STANTEC ON 20 JANUARY 2017

INFILTRATION BASIN BOTTOM=1060.50

WETLANDS BUFFER LINE AND EASEMENT FOR PEDESTRIAN AND BIKE PATH PURPOSES PER 1000 OAKS PLAT

SILT FENCE

75' WETLANDS SETBACK BASED ON DELINATED WETLANDS BY STANTEC ON 20 JANUARY 2017

SILT FENCE

WETLANDS BUFFER LINE AND EASEMENT FOR PEDESTRIAN AND BIKE PATH PURPOSES PER 1000 OAKS PLAT

30' WETLANDS NO GRADING BUFFER

EASEMENT FOR PEDESTRIAN AND BIKE PATH PURPOSES

SILT FENCE

20' WIDE EASEMENT FOR PEDESTRIAN AND INFIL' BIKE PATH PURPOSES BOTTOM=1063.00

10' WIDE INTRA-BLOCK DRAINAGE EASEMENT

WETLANDS DELINEATION AS DEFINED BY STANTEC ON 20 JANUARY 2017

WETLANDS

30' WETLANDS NO GRADING BUFFER

D=9°03'28"
L=73.51, R=465.00

TYPE "D" INLET PROTECTION (TYP)

SILT FENCE

N0°55'38"E 492.53'

1°04'E
3.83'

MARK	REVISION	DATE	BY
Engineer: ENG	Checked By: CHKD	Scale: 1" = SCALE	
Technician: TECH	Date: 03-08-2017	Field Bk:	Pg:

117.0152.30

C 1.0

CITY OF MADISON, DANE COUNTY, WI

9910 WATTS ROAD

EXISTING SITE

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

117.0152.30

C 1.0

OUTLOT 1

S0°55'30"W 423.45'

20.00'

1.5' REJECT CURB AND GUTTER

1.5' REJECT CURB AND GUTTER

CONCRETE PAD

1.5' CURB AND GUTTER

R45.00'

PERMEABLE PAVEMENT

PARKING STALL PER DETAIL

18.00'

9.00'

PERMEABLE PAVEMENT

1.5' CURB AND GUTTER

R200.00'

R5.00'

R4.25'

R5.00'

R64.00'

34.00'

TRENCH DRAIN

R24.00'

FIRE APPARATUS TURNAROUND

CONCRETE PARKING LOT

26' WIDE FIRE LANE

26.00'

CONCRETE PARKING LOT

26' WIDE FIRE LANE

INSTALL 26' WIDE COMMERCIAL DRIVEWAY PER CITY OF MADISON STANDARDS

3 STEPS

2 STEPS

5' SIDEWALK

R22.00'

R5.00'

R3.00'

R4.25'

9.00'

18.00'

HANDICAP PARKING STALL PER DETAIL

R5.00'

R90.00'

D=15°27'00"

L=126.79'

R=470.00'

INSTALL STOP SIGN PER CITY OF MADISON STANDARDS

5 BIKE STALLS

19.00'

18.00'

7.00'

PARKING STALL PER DETAIL

5' SIDEWALK

7' RAISED SIDEWALK

RAMP

RAMP

5' SIDEWALK

3 STEPS

3 STEPS

3 STEPS

19.00'

3 STEPS

4 STEPS

4 STEPS

5 STEPS

24.00'

18.00'

9.00'

R3.00'

RETAINING WALL

CONCRETE PAD

54 UNIT APARTMENT BUILDING-B

FF=1068.80

GFF=1058.80

LOT 1

51 UNIT APARTMENT BUILDING-A

FF=1069.80

GFF=1059.80

OUTLOT 3

WATTS ROAD

RAMP

7 STEPS

15.0'

369.62'

N89°56'47"E

7' RAISED SIDEWALK

CONCRETE PARKING LOT

9.00'

R3.00'

R10.00'

1.5' CURB AND GUTTER

TRENCH DRAIN

1.5' CURB AND GUTTER

R10.00'

RETAINING WALL

R3.00'

HANDICAP PARKING STALL PER DETAIL

HANDICAP RAMP

7' RAISED SIDEWALK

CLUB HOUSE

FF=1069.80

3 STEP

4 STEPS

2 STEPS

2 STEPS

5' SIDEWALK

9 STEPS

N80°47'36"E

165.00'

5' RAISED SIDEWALK

6 BIKE STALLS

4 STEPS

2 STEPS

3 STEPS

2 STEPS

9 STEPS

5' SIDEWALK

RAMP

POOL

POOL DECK

FF=1067.30

2 STEPS

RETAINING WALL

30.78'

SITE PLAN INFORMATION

PROJECT AREA = 3.97 ACRES
PROPOSED BUILDING AREA = 46,370 SF
PROPOSED TOTAL IMPERVIOUS = 41,387 SF (BUILDINGS NOT INCLUDED)
NUMBER OF PROPOSED SURFACE PARKING STALLS = 65
NUMBER OF PROPOSED UNDERGROUND PARKING STALLS = 105
NUMBER OF ACCESSIBLE STALLS = 4
TOTAL NUMBER OF STALLS = 170
NUMBER OF SURFACE BICYCLE STALLS = 11
NUMBER OF UNDERGROUND BICYCLE STALLS = 109
TOTAL NUMBER OF BICYCLE STALLS = 120
LOT COVERAGE = 50.75%
USABLE OPEN SPACE = 60,420 SF

INFILTRATION BASIN BOTTOM=1060.50

75' WETLAND SETBACK

10' ASPHALT BIKE PATH

33.00'

30' WETLAND SETBACK

75' WETLAND SETBACK

INFILTRATION BASIN BOTTOM=1063.00

WETLANDS DELINEATION AS DEFINED BY STANTEC ON 20 JANUARY 2017

10' ASPHALT BIKE PATH

30' WETLAND SETBACK

D=90°32'28"

L=735.1'

R=465.00'

WETLANDS

N0°55'38"E 492.53'

104.83'

0 10 20 40 60

SCALE: ONE INCH = TWENTY FEET

MARK	REVISION	DATE	BY
Engineer: ENG	Checked By: CHKD	Scale: 1" = SCALE	
Technician: TECH	Date: 03-08-2017	Field Bk:	
		Pg:	

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CITY OF MADISON, DANE COUNTY, WI

9910 WATTS ROAD

SITE PLAN

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

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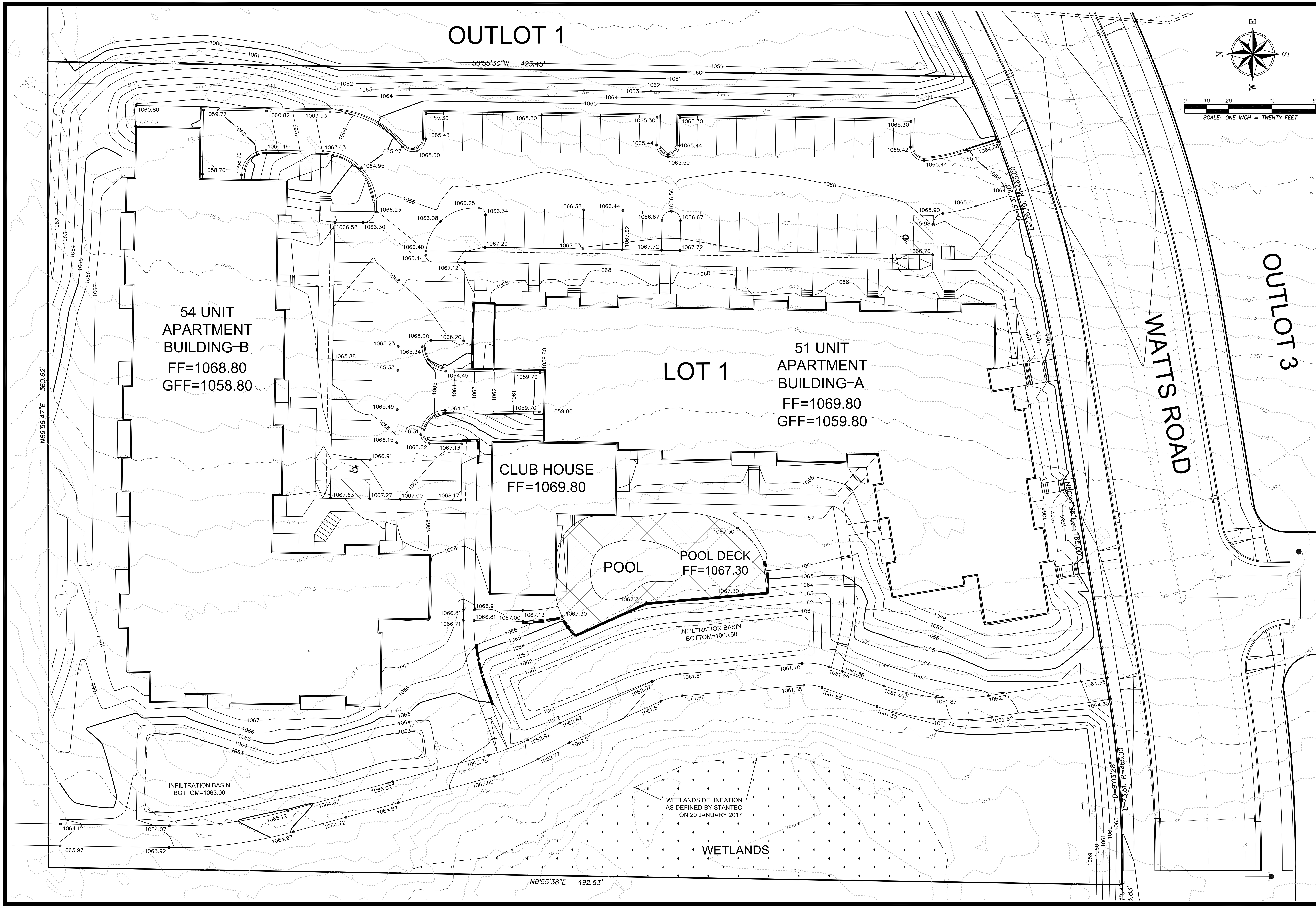
OUTLOT 1
S0°55'30"W 423.45'
LOT 1
54 UNIT
APARTMENT
BUILDING-B
FF=1068.80
GFF=1058.80
51 UNIT
APARTMENT
BUILDING-A
FF=1069.80
GFF=1059.80
CLUB HOUSE
FF=1069.80
POOL
POOL DECK
FF=1067.30
INFILTRATION BASIN
BOTTOM=1060.50
INFILTRATION BASIN
BOTTOM=1063.00
WETLANDS DELINEATION
AS DEFINED BY STANTEC
ON 20 JANUARY 2017
WETLANDS
N0°55'38"E 492.53'
N89°56'47"E 369.62'
WATTS ROAD
OUTLOT 3
0 10 20 40 60
SCALE: ONE INCH = TWENTY FEET

MARK	REVISION	DATE	BY

Engineer: ENG | Checked By: CHKD | Scale: 1" = SCALE

Technician: TECH | Date: 03-08-2017 | Field Bk: | Pg:

117.0152.30

C2.1

9910 WATTS ROAD

GRADING PLAN

CITY OF MADISON, DANE COUNTY, WI

SNYDER & ASSOCIATES, INC.

5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

117.0152.30

C 2.1

OUTLOT 1

EXISTING SANITARY MANHOLE
ADJUST RIM ELEVATION FROM
1061.0 TO RIM ELEVATION 1068.75
EXISTING 15" INV = 1046.77 (N)
EXISTING 15" INV = 1046.72 (S)

6" PVC PIPE TO DAYLIGHT

20' WIDE PUBLIC SANITARY
SEWER EASEMENT PER
DOCUMENT 4185599

S0°55'30"W 423.45'

CLEANOUT
RIM=1065.90
INV=1062.90

CLEANOUT
RIM=1065.90
INV=1062.90

EXISTING 15" SANITARY SEWER

INSTALL FIRE HYDRANT
WITH 8 LF 6" D.I. PIPE
WITH 6" VALVE
NOZZLE EL=1067.30

109 LF - 6" WRAPPED UNDERDRAIN

109 LF - 6" WRAPPED UNDERDRAIN

JOIN EXISTING
SANITARY MANHOLE
INV 8" = 1054.94
CONSTRUCT AS INSIDE DROP

INSTALL FIRE HYDRANT
WITH 8 LF 6" D.I. PIPE
WITH 6" VALVE
NOZZLE EL=1067.40

EXISTING 15" SANITARY SEWER

SUMP PUMP AND FORCE MAIN
TO BE SIZED BY PLUMBING
ENGINEER TO HANDLE THE
100-YEAR STORM EVENT

MANHOLE WITH
SUMP PUMP
RIM=1062.80
6" INV=1057.50

19.3 LF - 6" PVC @ 1.04%

30' WIDE
LANDSCAPE
BUFFER

INSTALL 360 LF - 6" WATER LATERAL

INSTALL 130.4 LF
8" SANITARY
LATERAL @ 1.04%

1' WIDE TRENCH
DRAIN WITH GRATE.
GRATE ELEV=1058.70
INV=1057.70

19.60 LF
FORCE MAIN

INV 8" = 1056.30

JOIN EXISTING
6" WATER LATERAL

CLEANOUT
RIM=1067.70
INV=1065.84

12' WIDE PUBLIC UTILITY
EASEMENT

D=16°37'00"
L=126.79'
R=437.00

10' WIDE INTRA-BLOCK
DRAINAGE EASEMENT

40.0 LF - 12" PVC @ 1.04%

97.80 LF - 6" FORCEMAIN

CLEANOUT
RIM=1067.70
INV=1065.42

INLET W/INSERT
RIM=1065.23
6" INV=1062.00
12" INV=1061.73

CONTRACTOR TO CONNECT
ROOF DRAINS TO 12"
STORMWATER PIPE LOCATED
ALONG THE BUILDING

LOT 1

CONTRACTOR TO CONNECT
ROOF DRAINS TO 12"
STORMWATER PIPE LOCATED
ALONG THE BUILDING

N89°56'47"E 369.62'

40.0 LF - 12" PVC @ 1.04%

1' WIDE TRENCH
DRAIN WITH GRATE.
GRATE ELEV=1059.70
INV=1058.70

42.2 LF - 6" PVC @ 0.52%

CLEANOUT
RIM=1067.70
INV=1065.00

40.4 LF - FORCE MAIN

7.8 LF - 6" PVC @ 1.04%

CLEANOUT
RIM=1068.70
INV=1062.16

CLEANOUT
RIM=1068.70
INV=1061.43

MANHOLE WITH
SUMP PUMP
RIM=1067.80
6" INV=1058.62

MANHOLE
RIM=1066.15
FM INV=1062.50
12" INV=1061.51
12" INV=1061.41

SUMP PUMP AND FORCE MAIN
TO BE SIZED BY PLUMBING
ENGINEER TO HANDLE THE
100-YEAR STORM EVENT

70.0 LF - 12" PVC @ 1.04%

41.9 LF - 12" PVC @ 1.04%

CONTRACTOR TO
CONNECT ROOF
DRAINS TO 12"
STORMWATER PIPE
LOCATED SOUTH
OF THE BUILDING

34.8 LF - 12" PVC @ 0.52%

CLEANOUT
RIM=1067.70
INV=1065.00

CLEANOUT
RIM=1067.70
INV=1064.58

CLEANOUT
RIM=1067.70
INV=1064.16

MANHOLE
RIM=1067.60
12" INV=1061.07
12" INV=1060.97

MANHOLE
RIM=1068.10
INV=1060.99

INSTALL 16 LF -
6" WATER LATERAL

INSTALL 21 LF -
8" SANITARY
LATERAL @ 1.04%
INV 8" = 1050.82

JOIN EXISTING
6" WATER LATERAL

JOIN EXISTING
SANITARY LATERAL
INV 8" = 1050.60

N80°47'36"E 165.00'

64.9 LF - 12" PVC @ 1.04%

46.8 LF - 12" PVC @ 1.04%

12" APRON ENDWALL
INV=1060.50

68.4 LF - 12" PVC @ 0.69%

12" APRON ENDWALL
INV=1060.50

INFILTRATION BASIN
BOTTOM=1060.50

122 LF - 4" WRAPPED UNDERDRAIN

48" MANHOLE
RIM=1065.60
INV=1063.48

CLEANOUT
RIM=1067.45
INV=1063.82

CLEANOUT
RIM=1067.25
INV=1064.03

65.8 LF - 12" PVC @ 0.52%

40.0 LF - 12" PVC @ 0.52%

OUTLET STRUCTURE
RIM=1061.50
12" INV=1059.00
6" INV=1059.30

WETLANDS BUFFER LINE
AND EASEMENT FOR
PEDESTRIAN AND BIKE
PATH PURPOSES PER
1000 OAKS PLAT

EASEMENT FOR PEDESTRIAN AND
BIKE PATH PURPOSES

45.0 LF - 12" PVC @ 0.52%

26.4 LF - 10" PVC
@ 1.82%

10" APRON ENDWALL
INV=1063.00

52 LF - 4" WRAPPED UNDERDRAIN

68 LF - 4" WRAPPED UNDERDRAIN

INFILTRATION BASIN
BOTTOM=1063.00

OUTLET STRUCTURE
RIM=1064.00
12" INV=1062.00
6" INV=1062.30

12" APRON ENDWALL
INV=1058.77

WETLANDS DELINEATION
AS DEFINED BY STANTEC
ON 20 JANUARY 2017

WETLANDS BUFFER LINE
AND EASEMENT FOR
PEDESTRIAN AND BIKE
PATH PURPOSES
PER 1000 OAKS PLAT

20' WIDE EASEMENT FOR
PEDESTRIAN AND BIKE
PATH PURPOSES

40.0 LF - 12" PVC @ 0.00%

10' WIDE INTRA-BLOCK
DRAINAGE EASEMENT

12" APRON ENDWALL
INV=1062.00

WETLANDS

D=90°37'28"
L=73.51'
R=465.00

N0°55'38"E 492.53'

OUTLOT 3

WATTS ROAD

0 10 20 40 60
SCALE: ONE INCH = TWENTY FEET

MARK	REVISION	DATE	BY
Engineer: ENG	Checked By: CHKD	Scale: 1" = SCALE	
Technician: TECH	Date: 03-08-2017	Field Bk:	
		Pg:	C 3.0

117.0152.30

CITY OF MADISON, DANE COUNTY, WI

9910 WATTS ROAD

UTILITY PLAN

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

117.0152.30

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GENERAL CONDITIONS

1. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE MUNICIPALITY TWO WORKING DAYS (48 HOURS) PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR SHALL INDEMNIFY THE OWNER, THE ENGINEER, AND THE MUNICIPALITY, THEIR AGENTS, ETC, FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
3. SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. THE BIDDER WILL BE SOLELY RESPONSIBLE FOR DETERMINING QUANTITIES AND SHALL STATE SUCH QUANTITIES IN HIS PROPOSAL. HE SHALL BASE HIS BID ON HIS OWN ESTIMATE OF THE WORK REQUIRED AND SHALL NOT RELY ON THE ENGINEER'S ESTIMATE.
5. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR IS RESPONSIBLE FOR EXAMINING ALL SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL COMPARE FIELD CONDITIONS WITH DRAWINGS.
7. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED FOR EXECUTION OF THE WORK. THE CONTRACTOR SHALL CONDUCT HIS WORK ACCORDING TO THE REQUIREMENTS OF THE PERMITS.
8. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY INFORMATION SHOWN ON THE PLANS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CALL DIGGER'S HOTLINE AT 1-800-242-8511 TO NOTIFY THE UTILITIES OF HIS INTENTIONS, AND TO REQUEST FIELD STAKING OF EXISTING UTILITIES.
9. CONTRACTOR IS ADVISED THAT ANY MUD AND DEBRIS MAY NOT BE DEPOSITED ONTO THE ADJACENT ROADWAYS PER THE REQUIREMENT OF THE MUNICIPALITY OR OTHER APPROPRIATE GOVERNMENT AGENCIES.
10. ANY ADJACENT PROPERTIES OR ROAD RIGHT-OF-WAYS WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE RESTORED BY THE CONTRACTOR. THE COST OF THE RESTORATION IS CONSIDERED INCIDENTAL, AND SHOULD BE INCLUDED IN THE BID PRICES.
11. THE CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILT QUANTITIES FOR ALL UTILITIES INCLUDING ELEVATIONS, PIPE SIZE, STRUCTURE SIZE, AND PIPE LENGTHS.
12. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY PLAN DEVIATIONS. ANY PLAN DEVIATIONS DURING CONSTRUCTION WILL REQUIRE PLANS TO BE MODIFIED AND SUBMITTED TO THE CITY ENGINEER FOR AS-BUILT PURPOSES.

EROSION CONTROL

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS, INCLUDING WPDES DISCHARGE PERMITS (IF APPLICABLE), AND THE CITY OF MADISON EROSION CONTROL PERMIT. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.
2. ALL INSTALLATION AND MAINTENANCE OF EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARD, OR THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK IF A TECHNICAL STANDARD IS NOT AVAILABLE.
3. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND WARRANTY PERIOD IN CONFORMANCE WITH THE DNR WPDES GENERAL PERMIT.
4. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD. NEEDED REPAIRS WILL BE MADE IMMEDIATELY.
5. ALL DISTURBED GROUND LEFT INACTIVE FOR THIRTY DAYS OR MORE SHALL BE STABILIZED WITH TOPSOIL, SEED, AND MULCH IN ACCORDANCE WITH THE WDNR TECHNICAL STANDARDS 1059 AND 1058.
6. TEMPORARY SEED MIXTURE SHALL CONFORM TO 630.2.1.5.1.4 OF THE WISDOT STANDARD SPECIFICATIONS. USE WINTER WHEAT OR RYE FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 1.
7. DISTURBED AREAS THAT CANNOT BE STABILIZED WITH A DENSE GROWTH OF VEGETATION BY SEEDING AND MULCHING DUE TO TEMPERATURE OR TIMING OF CONSTRUCTION, SHALL BE STABILIZED BY APPLYING ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1050.
8. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS TO MAINTAIN A THREE FOOT DEPTH OF TREATMENT, MEASURED BELOW THE NORMAL WATER ELEVATION. SEDIMENT WILL BE REMOVED FROM THE DIVERSION DITCHES WHEN IT REACHES HALF THE HEIGHT OF THE DITCH. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE AND DITCH CHECKS WHEN IT REACHES HALF THE HEIGHT OF THE FENCE/BALE THE SILT FENCE AND DITCH CHECKS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
9. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.
10. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES A T ALL TIMES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DEPENDING ON HOW THE CONTRACTOR GRADES THE SITE, IT MA Y BE NECESSARY TO INSTALL TEMPORARY SEDIMENT TRAPS IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT. TEMPORARY SEDIMENT TRAPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1063.
11. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING, NOT FLUSHING, BEFORE THE END OF EACH WORKING DAY.
12. DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 106B.
13. FINAL STABILIZATION OF LANDSCAPED AREAS SHALL BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
14. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE APPROVED LANDSCAPE PLAN TO MAINTAIN A VIGOROUS DENSE VEGETATIVE COVER.
15. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED BY THE CONTRACTOR, IF NECESSARY, EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OF 0.5" OR GREATER. ALL NECESSARY MAINTENANCE SHOULD FOLLOW THE INSPECTIONS WITHIN 24 HOURS.

16 ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES BEGIN.

GRADING

1. THE CONTRACTOR SHALL MAINTAIN SITE DRAINAGE THROUGHOUT CONSTRUCTION. THIS MAY INCLUDE THE EXCAVATION OF TEMPORARY DITCHES OR PUMPING TO ALLEVIATE WATER PONDING.
2. SILT FENCE AND OTHER EROSION CONTROL FACILITIES MUST BE INSTALLED PRIOR TO CONSTRUCTION OR ANY OTHER LAND DISTURBING ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EROSION CONTROL FACILITIES ONCE THE SITE HAS BEEN STABILIZED WITH VEGETATION AND THE APPROVAL OF THE GOVERNING AGENCY.
3. THE CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR THE COMPUTATIONS OF ALL GRADING, CUT AND FILL CALCULATIONS AND FOR ACTUAL LAND BALANCE, INCLUDING UTILITY TRENCH SPOIL. THE CONTRACTOR SHALL IMPORT OR EXPORT MATERIAL AS NECESSARY TO COMPLETE THE PROJECT.
4. GRADING SHALL CONSIST OF CLEARING AND GRUBBING EXISTING VEGETATION, STRIPPING TOPSOIL, REMOVAL OF EXISTING PAVEMENT OR FOUNDATIONS, IMPORTING OR EXPORTING MATERIAL TO ACHIEVE AND ON-SITE EARTHWORK BALANCE, GRADING THE PROPOSED BUILDING PADS AND PAVEMENT AREAS, SCARIFYING AND FINAL COMPACTION OF THE PAVEMENT SUBGRADE, AND PLACEMENT OF TOPSOIL.
5. NO FILL SHALL BE PLACED ON A WET OR SOFT SUBGRADE THE SUBGRADE SHALL BE PROOF-ROLLED AND INSPECTED BY THE ENGINEER BEFORE ANY MATERIAL IS PLACED.

PAVING

1. CONCRETE PAVEMENT SHALL BE A MINIMUM THICKNESS OF 6" ON 8" BASE.
2. POROUS CONCRETE PAVEMENT SHALL BE PER DETAIL.
3. BASE COURSE THICKNESS SHALL BE A MINIMUM OF 8" CONSISTING OF DENSE AGGREGATE BASE COURSE.
4. PAVING SHALL CONSIST OF FINE GRADING PAVEMENT AREAS, INSTALLATION OF CRUSHED STONE BASE, CONCRETE AND/OR BITUMINOUS PAVEMENT, PAVEMENT MARKING, AND CLEANUP. ALL MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR.
5. CONCRETE FOR CURB, DRIVEWAY, WALKS AND NON-FLOOR SLABS SHALL BE GRADE A (OR GRADE A2 IF PLACING BY SLIP-FORMED PROCESS) AIR ENTRAINED IN ACCORDANCE WITH SECTION 501 FOR THE STANDARD SPECIFICATIONS, WITH A MINIMUM 28 DA Y COMPRESSIVE STRENGTH OF 3,500 PSI.
6. ALL FINISHED CONCRETE SHALL BE COVERED WITH A LIQUID CURING COMPOUND CONFORMING TO AASHTO M 148, TYPE 2, IN ACCORDANCE WITH SECTION 415 OF THE STANDARD SPECIFICATIONS.
7. PAVEMENT MARKINGS SHALL BE PAINT IN ACCORDANCE WITH SECTION 646 OF THE STANDARD SPECIFICATIONS. (COLOR SHALL BE AS INDICATED ON THE PLANS.) THE FOLLOWING ITEMS SHALL BE PAINTED WITH COLORS NOTED BELOW:
   PARKING STALLS: WHITE
   PEDESTRIAN CROSSWALKS: WHITE
   LANE STRIPING WHERE SEPARATING TRAFFIC IS MOVING IN OPPOSITE DIRECTIONS: YELLOW
   LANE STRIPING WHERE SEPARATING TRAFFIC IS MOVING IN SAME DIRECTIONS: WHITE
   ADA SYMBOLS: BLUE OR PER LOCAL CODE
   FIRE LANES: PER LOCAL CODE
   EXTERIOR SIDEWALK CURBED, LIGHT POLE BASES, AND GUARD POSTS: YELLOW
8. CUTTING OF FLOW LINES IS PROHIBITED FOR DRIVEWAY CONSTRUCTION. CURB HEAD SHALL BE CUT TO FORM THE CURB CUT USING A PROFILE CURB CUT BY USING A MACHINE OR THE CURB AND GUTTER SHALL BE REPLACED.
9. SIDEWALK IN DRIVEWAYS SHALL HAVE A MINIMUM THICKNESS OF 7" ON A BASE OF 6" DENSE AGGREGATE BASE COURSE OR SAND.

UTILITIES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE START OF CONSTRUCTION.
2. THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO WISCONSIN ADMINISTRATIVE CODE, SECTION SPS 382-384, LATEST EDITION, THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION, AND THE LOCAL ORDINANCES AND SPECIFICATIONS.
3. BEFORE PROCEEDING WITH ANY UTILITY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE EACH EXISTING LATERAL OR POINT OF CONNECTION AND VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES. IF ANY EXISTING UTILITIES ARE NOT AS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR POSSIBLE REDESIGN.
4. ALL CONNECTIONS TO EXISTING PIPES AND MANHOLES SHALL BE CORED CONNECTIONS.
5. PROPOSED SANITARY SEWER, WATER MAIN, AND INTERNALLY CONNECTED STORM SEWER SHOWN ON THIS PLAN SHALL TERMINATE AT POINT FIVE (5) FEET FROM THE EXTERIOR BUILDING WALL. STORM SEWER CONNECTING TO EXTERIOR DOWN SPOUTS SHALL BE PER DETAILS ON THE ARCHITECTURAL PLANS. THE EXACT LOCATION OF ALL DOWN SPOUTS SHALL BE PER THE ARCHITECTURAL PLANS.
6. MATERIALS FOR SANITARY SEWER SHALL BE AS FOLLOWS:

   SANITARY SEWER SHALL BE PVC AND BEDDED WITH CLASS C BEDDING (CLEAR STONE).

   TRACER WIRE SHALL BE INSTALLED WITH ALL NEW LATERALS.

   TRACER WIRE BOXES SHALL BE PROVIDED AND LOCATED 3.5' BEHIND THE BACK OF CURB.

   TRACER WIRE SHALL EXTEND TO THE RIGHT OF WAY.

   LATERALS ARE NOT ALLOWED TO BE CONNECTED DIRECTLY INTO A MANHOLE.

   ALL LATERAL ENDS SHALL BE MARKED WITH A TREATED 4" X 4" POST AND THE TOP OF THE POST SHALL BE PAINTED GREEN.

   DROP MANHOLE MUST BE PRECAST CONCRETE DROP STRUCTURES.

   ALL MANHOLE CASTINGS SHALL BE NEENAH R-1550 WITH TYPE B NON-ROCKING LIDS AND CONCEALED PICK HOLES, INTERNAL CHIMNEY SEALS SHALL BE INSTALLED.

   ALL MANHOLE JOINTS SHALL BE WRAPPED WITH MAC-WRAP OR APPROVED EQUAL.

   INTERNAL CHIMNEY SEALS ARE REQUIRED.

   EXCAVATED MATERIAL FROM THE TRENCH NOT SUITABLE FOR BACKFILL AS DEEMED BY THE CITY ENGINEER SHALL BE HAULED OFF-SITE AND SELECT TRENCH BACKFILL WILL BE REQUIRED .

   ALL SANITARY SEWER MAINS WILL BE REQUIRED TO BE TELEVISED. 2 COPIES OF THE TELEVISING REPORT AND DVD SHALL BE PROVIDED TO THE CITY ENGINEER. MANDRELL TESTING IS ALSO REQUIRED ON ALL SANITARY SEWER. LOW PRESSURE AIR TESTS ARE REQUIRED ON ALL SANITARY SEWER CONSTRUCTION.

   ALL MANHOLES INSTALLED OUTSIDE OF THE RIGHT-OF-WAY SHALL HAVE A RIM ELEVATION 1' ABOVE THE PROPOSED GROUND AND BE MARKED WITH A TREATED 4" X 4" POST AND HAVE A SIGN WITH THE WORDS "SANITARY SEWER" ATTACHED TO THE POST.

   ADJUSTMENT RINGS SHALL HAVE A MINIMUM HEIGHT OF 4" AND A MAXIMUM HEIGHT OF 8".

   MAINTAIN A MINIMUM SEPARATION OF 8' OF HORIZONTAL SEPARATION BETWEEN WATER MAIN AND SANITARY SEWER.

UTILITIES CONTINUED

7. MATERIALS FOR WATER SERVICE SHALL BE AS FOLLOWS:

   WATER MAIN SHALL BE DUCTILE IRON AND BEDDED WITH TYPE 3 EMBEDMENT (SAND OR SAND SCREENINGS)

   WATER MAIN SHALL BE INSTALLED WITH TRACER WIRE. TRACER WIRE SHALL SURFACE AT ALL HYDRANTS IN A CONDUIT OR A TRACER WIRE ACCESS BOX.

   ALL MAINS SHALL BE THE DIAMETER CALLED OUT ON THE PLANS. HYDRANT LEADS SHALL BE 6".

   WATER MAINS SHALL HAVE A MINIMUM COVER OF 7.0'.

   MJ FITTINGS ARE REQUIRED FOR ALL FITTINGS.

   A FIRE HYDRANT WILL BE REQUIRED AT THE END OF ALL DEAD END LINES.

   FIRE HYDRANTS SHALL BE WATEROUS PACER WB67 WITH A 4" ORANGE FLEX STAKE AND STORZ NOZZLE.

   CURB BOXES SHALL BE BINGHAM AND TAYLOR BUFFALO TYPE AND INSTALLED WITH THE EXTENSION ROD AND GUIDE RING.

   CURB VALVES SHALL BE MUELLER H15209.

   CURB BOXES SHALL BE LOCATED 3.5' BEHIND THE BACK OF CURB.

   STORM SEWER AND STORMWATER MANAGEMENT SHALL BE AS FOLLOWS:

   STORM SEWER SHALL BE MATERIAL REFERENCED ON THE UTILITY PLAN.

   STORM SEWER PIPE BEDDING SHALL BE CRUSHED STONE.

   MINIMUM COVER FOR ALL STORM SEWER SHALL BE 2'.

   EXCAVATED MATERIAL FROM THE TRENCH NOT SUITABLE FOR BACKFILL AS DEEMED BY THE CITY ENGINEER SHALL BE HAULED OFF-SITE AND SELECT TRENCH BACKFILL WILL BE REQUIRED.

8. EXTREME CAUTION MUST BE FOLLOWED REGARDING THE COMPACTION OF ALL UTILITY TRENCHES. MECHANICALLY COMPACTED GRANULAR BACKFILL IS REQUIRED UNDER AND WITHIN 5 FEET OF ALL PAVEMENT INCLUDING SIDEWALKS. FLOODING OF BACKFILL MATERIAL IS NOT ALLOWED. THE COST OF THIS GRANULAR MATERIAL AND ITS COMPACTION IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY.
9. PRIOR TO FINAL PAVING OPERATIONS, THE UTILITY CONTRACTOR SHALL ADJUST ALL MANHOLE AND INLET RIMS AND VALVE BOXES TO FINISHED GRADE.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE OWNER WITH A SET OF MARKED-UP PRINTS SHOWING ALL CHANGES MADE DURING THE CONSTRUCTION PROCESS. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE OWNER.
11. TRACER WIRE SHALL BE INSTALLED ON ALL BURIED NON-METALLIC SANITARY SEWERS, PRIVATE SANITARY INTERCEPTOR MAIN SEWERS, STORM BUILDING SEWERS, AND PRIVATE STORM INTERCEPTOR MAIN SEWERS THAT DISCHARGE TO MUNICIPAL MAINS. TRACER WIRE SHALL BE A MINIMUM OF 18-GAUGE, INSULATED, SINGLE-CONDUCTOR COPPER WIRE OR EQUIVALENT. TRACER WIRE COLOR SHALL BE BLUE FOR POTABLE WATER, GREEN FOR SANITARY SEWER, AND BROWN FOR STORM SEWER.

MARK	REVISION	DATE	BY

Engineer: ENG | Checked By: CHKD | Scale: 1" = SCALE | Field Bk:
Technician: TECH | Date: 03-08-2017 | Pg: C4.0

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CITY OF MADISON, DANE COUNTY, WI

9910 WATTS ROAD

NOTES

SNYDER & ASSOCIATES, INC.
5010 VOGES ROAD
MADISON, WISCONSIN 53718
608-838-0444 | www.snyder-associates.com

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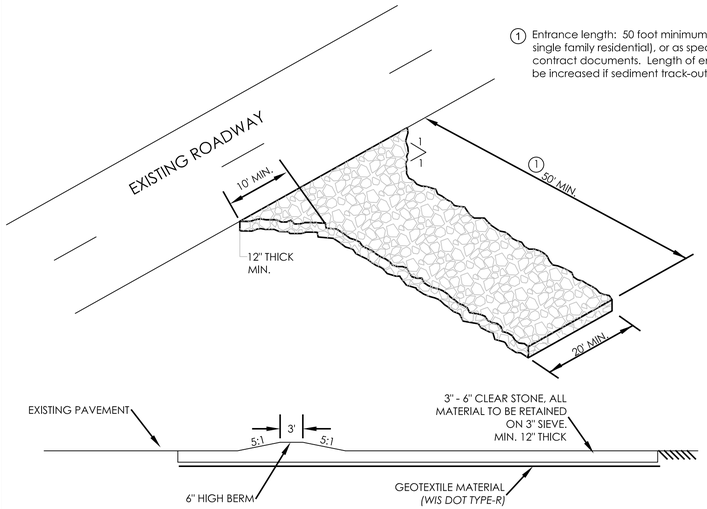
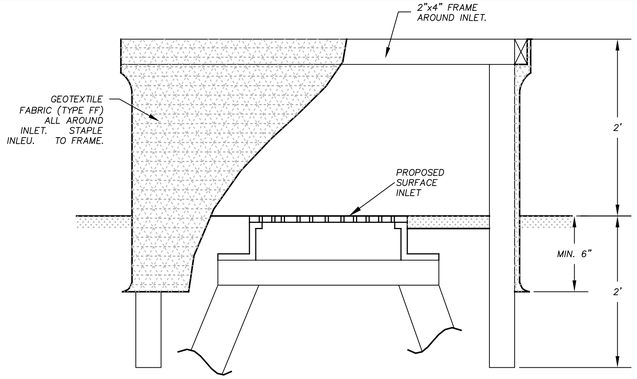


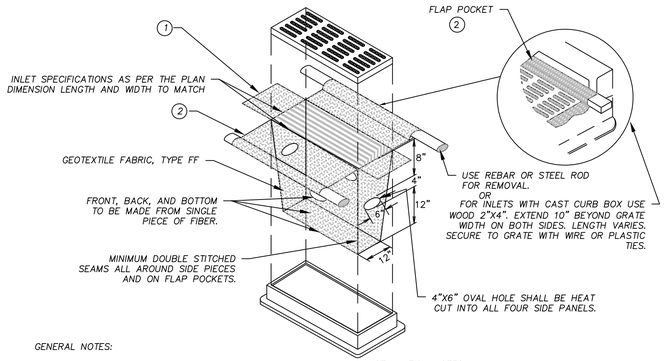
1 Entrance length: 50 foot minimum (30 foot for single family residential), or as specified in the contract documents. Length of entrance may be increased if sediment track-out occurs.

NOTE: MAINTAIN THE ROCK ENTRANCE TO PREVENT TRACKING ONTO PAVEMENT

TRACKING PAD



INLET PROTECTION, TYPE A



GENERAL NOTES:

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

1 FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

2 FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2x4.

INSTALLATION NOTES:

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30" MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

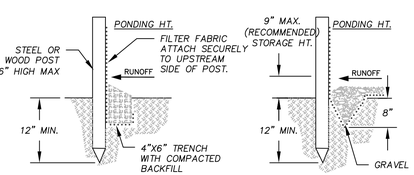
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

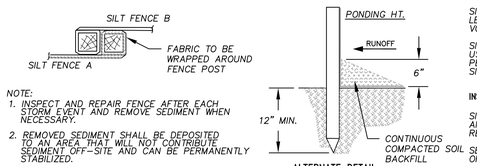
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOELES, OF 3". WHERE NECESSARY THE CONTRACTOR ESHALL CINCH THE BAG, UINS PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT TA MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION, TYPE D

EROSION CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF ALL PERMITS, INCLUDING WISDNR WPDES DISCHARGE PERMIT (IF APPLICABLE), COUNTY AND LOCAL EROSION CONTROL PERMIT. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL PERMIT REQUIREMENTS AND RESTRICTIONS.
2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
3. ALL INSTALLATION AND MAINTENANCE OF EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARD, FOUND AT: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html OR THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK IF A TECHNICAL STANDARD IS NOT AVAILABLE.
4. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND WARRANTY PERIOD IN CONFORMANCE WITH ALL APPLICABLE PERMITS ISSUED FOR THE PROJECT.
5. ALL EROSION AND SEDIMENTATION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD. REPAIRS SHALL BE MADE IMMEDIATELY TO EROSION CONTROL PRACTICES AS NECESSARY.
6. TEMPORARY STOCKPILES SHALL BE STABILIZED IF NOT REMOVED IN 10 DAYS. PERIMETER CONTROL ON THE DOWNHILL SIDE SHALL BE IN PLACE AT ALL TIMES (SILT FENCE OR APPROVED EQUAL).
7. TEMPORARY SEED MIXTURE SHALL CONFORM TO 630.2.1.5.1.4 OF THE WISDOT STANDARD SPECIFICATIONS USE WINTER WHEAT OR RYE FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 1.
8. DISTURBED AREAS THAT CANNOT BE STABILIZED WITH A DENSE GROWTH OF VEGETATION BY SEEDING AND MULCHING DUE TO TEMPERATURE OR TIMING OF CONSTRUCTION, SHALL BE STABILIZED BY APPLYING ANIONIC POLYACRYLAMIDE (PAM) IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1050.
9. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS TO MAINTAIN A THREE FOOT DEPTH OF TREATMENT, MEASURED BELOW THE NORMAL WATER ELEVATION. SEDIMENT WILL BE REMOVED FROM THE DIVERSION DITCHES WHEN IT REACHES HALF THE HEIGHT OF THE DITCH. SEDIMENT WILL BE REMOVED FROM BEHIND THE SILT FENCE AND DITCH CHECKS WHEN IT REACHES HALF THE HEIGHT OF THE FENCE/BALE THE SILT FENCE AND DITCH CHECKS SHALL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER.
10. ALL WATER FROM CONSTRUCTION DEWATERING SHALL BE TREATED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1061 PRIOR TO DISCHARGE TO WATERS OF THE STATE, WETLANDS, OR OFFSITE.
11. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. DEPENDING ON HOW THE CONTRACTOR GRADES THE SITE, IT MAY BE NECESSARY TO INSTALL TEMPORARY EROSION CONTROL AND/OR SEDIMENT TRAPS IN VARIOUS LOCATIONS THROUGHOUT THE PROJECT. TEMPORARY SEDIMENT TRAPS SHALL BE DESIGNED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1063.
12. TRACKED MATERIAL TO ADJACENT STREETS SHALL BE COLLECTED AT THE END OF EACH WORKING DAY OR AS REQUIRED BY THE LOCAL MUNICIPALITY.
13. DUST CONTROL SHALL BE PROVIDED AS NECESSARY IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 106B.
14. FINAL STABILIZATION OF LANDSCAPED AREAS SHALL BE IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
15. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE APPROVED LANDSCAPE PLAN TO MAINTAIN A VIGOROUS DENSE VEGETATIVE COVER.
16. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EROSION CONTROL FACILITIES AND MEASURES NECESSARY TO CONTROL EROSION AND SEDIMENTATION AT THE PROJECT SITE. THESE FACILITIES AND MEASURES MAY OR MAY NOT BE SHOWN ON THE DRAWINGS AND THEIR ABSENCE ON THE DRAWINGS DOES NOT ALLEVIATE THE CONTRACTOR FROM PROVIDING THEM. ANY MEASURES AND FACILITIES SHOWN ON THE DRAWINGS ARE THE MINIMUM ACTIONS REQUIRED.
17. ERODED MATERIAL THAT HAS LEFT THE CONSTRUCTION SITE SHALL BE COLLECTED AND RETURNED TO THE SITE BY THE CONTRACTOR.
18. AFTER FINAL VEGETATION IS ESTABLISHED, REMOVE ALL EROSION CONTROL FACILITIES. RESTORE AREAS DISTURBED BY THE REMOVALS.
19. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
20. COMPLETE AND STABILIZE SEDIMENT BASINS/TRAPS PRIOR TO MASS LAND DISTURBANCE TO CONTROL RUNOFF DURING CONSTRUCTION. REMOVE SEDIMENT AS NEEDED TO MAINTAIN 3 FEET OF DEPTH TO THE OUTLET, AND PROPERLY DISPOSE OF SEDIMENT REMOVED DURING MAINTENANCE. CONSTRUCT AND MAINTAIN THE SEDIMENT BASIN PER WDNR TECHNICAL STANDARDS.
21. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
22. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES [3:1, 4:1], PROVIDE CLASS I, TYPE A, EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARDS.
23. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I, TYPE A EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARDS.
24. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.





NOTE:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

CONSTRUCTION SPECIFICATIONS

THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. STORAGE HEIGHT SHALL NEVER EXCEED 18".

THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE.

IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.

POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.

THE ENDS OF THE FENCE SHALL BE TURNED UPHILL.

A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 6 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

THE TRENCH SHALL BE BACKFILLED AND/OR THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC. THE FILTER FABRIC SHALL NOT BE SECURED BY SAND BAGS.

SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.

SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED, AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.

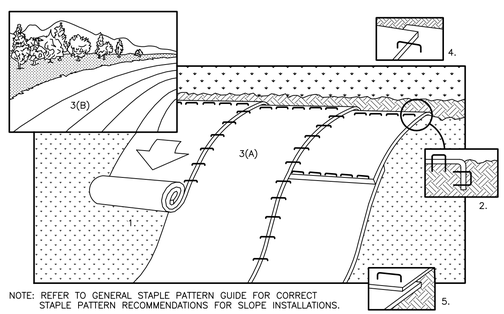
INSPECTION AND MAINTENANCE

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EACH SIGNIFICANT STORM (1" IN 24 HR.). ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.

THE REMOVED SEDIMENT SHALL BE VEGETATED OR OTHERWISE STABILIZED.

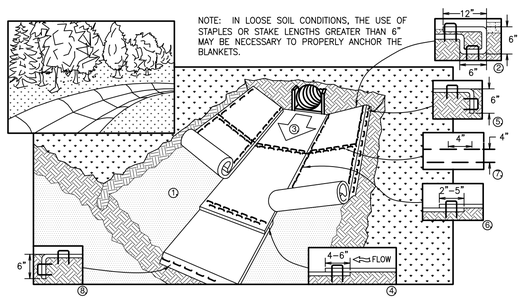
SILT FENCE



NOTE: REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
6. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SLOPE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
7. EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARD # 1052.

EROSION CONTROL MAT - SLOPE INSTALLATION



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW IN BOTTOM OF CHANNEL. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS RECOMMENDED BY THE MANUFACTURER.
4. PLACE CONSECUTIVE BLANKETS END OVER END (SHINGLE STYLE) WITH A 4-6" OVERLAP. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPE MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER OVER ENTIRE WIDTH OF THE CHANNEL.
7. THE TERMINAL END OF THE BLANKETS MUST BE ANCHORED WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
8. EROSION MAT SHALL EXTEND FOR WHICHEVER IS GREATER: UPSLOPE ONE FOOT MIN. VERTICALLY FROM DITCH BOTTOM OR 6" HIGHER THAN DESIGN FLOW DEPTH.
9. EROSION MAT SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS 1053.

EROSION CONTROL MAT - CHANNEL INSTALLATION

MARK	REVISION	DATE	BY

Engineer: ENG | Checked By: CHKD | Scale: 1" = SCALE
Technician: TECH | Date: 03-08-2017 | Field Bk: | Pg: C 4.1
117.0152.30

CITY OF MADISON, DANE COUNTY, WI

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EROSION CONTROL DETAILS

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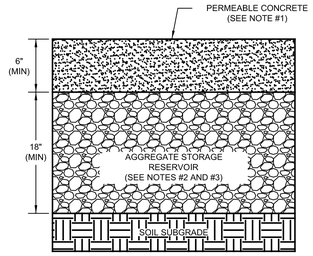


PERVIOUS CONCRETE

NOTES:

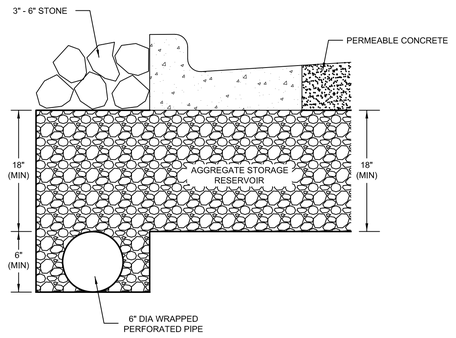
#1. PAVEMENT SURFACE PERCENT VOIDS SHALL BE LESS THAN 25%.

#2. AGGREGATE STORAGE RESERVOIR DEPTH SHALL BE A MINIMUM OF 12 INCHES.

#3. BASE AND / OR SUBBASE COURSES WITH MINIMUM POROSITY OF 30% CAN BE CONSIDERED AGGREGATE STORAGE RESERVOIR.

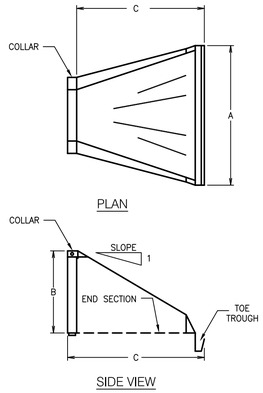
PERMEABLE PAVING DETAILS

NOT TO SCALE



UNDERDRAIN DETAIL

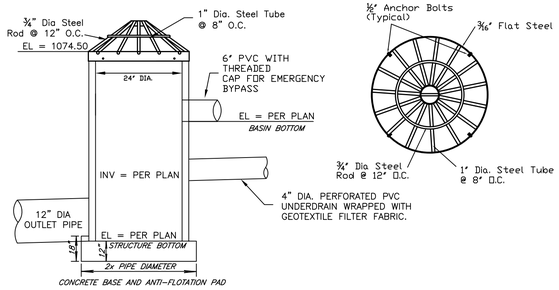
NOT TO SCALE



HANCOR HI-Q FLARED END SECTION

DIAMETER	10/12	15	18	24	30	36
A	42	41	49	59.5	88	88
B	14.5	19	22	28	36	43
C	33	34	43	48	63.5	66.5
D	6	6	6	6	6	6

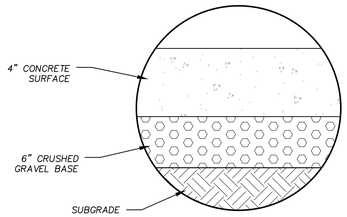
12" HDPE APRON ENDWALL DETAILS



NOTES:
1. EACH GRATE IS WIRE BRUSHED AND CLEANED THOROUGHLY PRIOR TO PAINTING
2. EACH COAT IS AN OVERALL COAT EACH COAT IS ALLOWED TO DRY FOR 24 HOURS MIN.
3. FIRST COAT: RUST-OLEUM X-60 RED BARE METAL PRIMER OR EQUAL
4. SECOND COAT: RUST-OLEUM 960 ZINC CHROMATE PRIMER OR EQUAL
5. THIRD COAT: RUST-OLEUM 1282 HIGH GLOSS AND METALLIC FINISH OR EQUAL
6. GALVANIZED AND EPOXY COATED GRATES ALSO AVAILABLE AS SPECIFIED

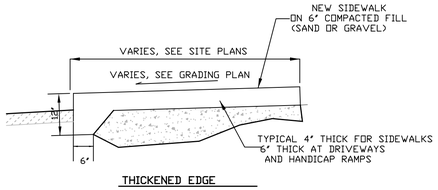
OUTLET STRUCTURE DETAIL

NOT TO SCALE



CONCRETE SIDEWALK DETAIL

NOT TO SCALE



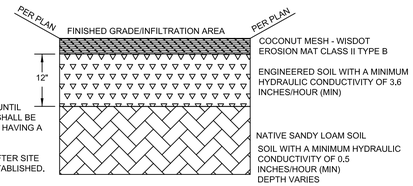
RAISED SIDEWALK DETAIL

NOT TO SCALE

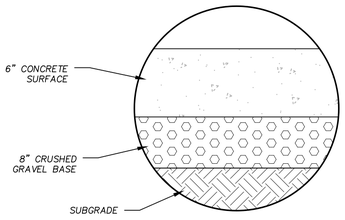
GENERAL NOTES:

1) CONTRACTOR TO EXCAVATE INFILTRATION BASIN AREAS UNTIL REACHING THE NATIVE SANDY LOAM LAYER. AREA OF CUT SHALL BE BACKFILLED WITH SANDY LOAM (OR EQUIVALENT) MATERIAL HAVING A HYDRAULIC CONDUCTIVITY RATE OF 0.5 IN/HR OR BETTER.

2) INFILTRATION AREA SHALL BE GRADED AND INSTALLED AFTER SITE DRAINING TO THE BASIN IS SEEDED AND VEGETATION IS ESTABLISHED.

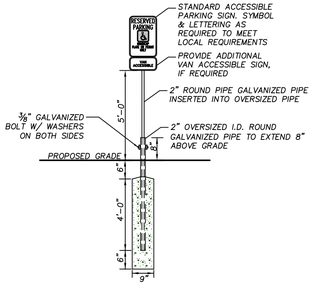


INFILTRATION BASIN SOIL STRUCTURE DETAIL



CONCRETE PAVEMENT DETAIL

NOT TO SCALE



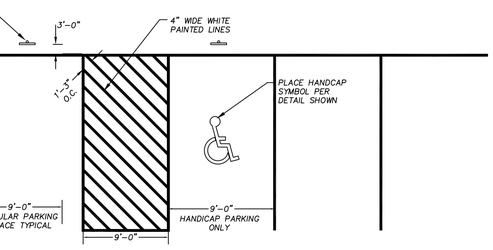
NOTE:

SIGNS SHALL BE LOCATED AT EACH HANDICAP STALL

SIGNS SHALL BE LOCATED SO THAT THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE

SIGNS TO BE PROVIDED AND INSTALLED BY SITE CONTRACTOR

ADA ACCESSIBLE SIGN MUST COMPLY WITH WI ADMINISTRATIVE RULE (TRANSPORTATION 200.07)

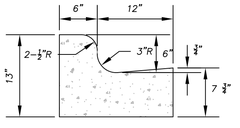


ACCESSIBLE PARKING SYMBOL

ADA ACCESSIBLE PARKING DETAIL

NOT TO SCALE

CURB AND GUTTER



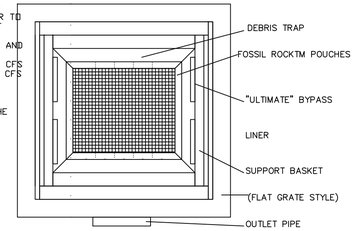
18" CURB AND GUTTER DETAIL

NOT TO SCALE

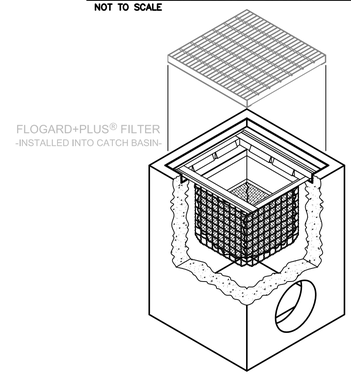
NOTES:
1. FLO-GARD+PLUS MODEL FGP-1836W HIGH CAPACITY CATCH BASIN INSERTS ARE AVAILABLE TO FIT NON STANDARD OR COMBINATION CATCH BASIN SIZES AND STYLES (SEE SPECIFIER CHART). REFER TO THE FLO-GARD+PLUS (FRAME MOUNT INSERT FOR DEVICES TO FIT INDUSTRY STANDARD SIZE FLAT GRATED CATCH BASIN INLETS.
2. FILTER INSERT SHALL HAVE BOTH AN "INITIAL" FILTERING BYPASS AND "ULTIMATE" HIGH-FLOW BYPASS FEATURE.
   FILTER MODEL FGP-1836W HAS A TOTAL BYPASS CAPACITY OF 6.7 CFS
   FILTER MODEL FGPRF-20F HAS A TOTAL BYPASS CAPACITY OF 4.7 CFS
3. FILTER ASSEMBLY SHALL BE CONSTRUCTED FROM STAINLESS STEEL (TYPE 304).
4. ALLOW A MINIMUM OF 2'-0" OF CLEARANCE BETWEEN THE BOTTOM OF GRATE AND TOP OF INLET OR OUTLET PIPE(S). REFER TO THE FLO-GARD INSERT FOR "SHALLOW" INSTALLATIONS.
5. FILTER MEDIUM SHALL BE RUBBERIZER INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

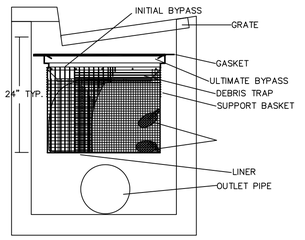
CATCH BASIN FILTER INSERT

NOT TO SCALE



TOP VIEW





SIDE VIEW

CATCH BASIN FILTER INSERT

NOT TO SCALE

MARK	REVISION	DATE	BY
Engineer: ENG		Scale: 1" = SCALE	
Technician: TECH		Checked By: CHKD	
		Date: 03-08-2017	
		Field Bk:	
		Pg:	

C 4.2

117.0152.30

CITY OF MADISON, DANE COUNTY, WI

9910 WATTS ROAD

DETAILS

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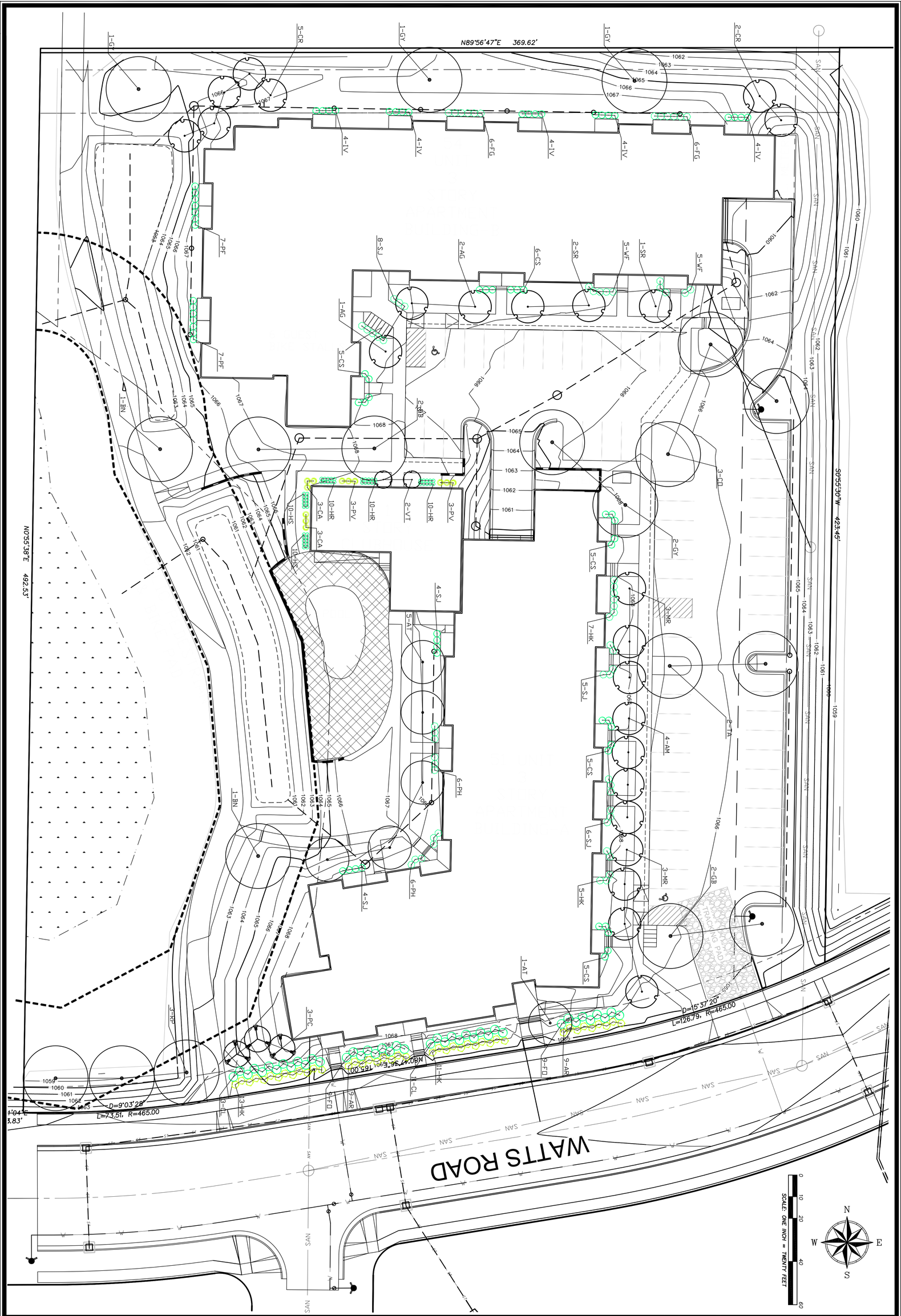

9910 WATTS ROAD

LANDSCAPE PLAN

CITY OF MADISON, DANE COUNTY, WI

SNYDER & ASSOCIATES, INC.

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MARK	REVISION	DATE	BY

Engineer: LAO	Checked By: CHKD	Scale: 1" = 20'	
Technician: LFG	Date: 02-02-2017	Field Bk:	Pg:

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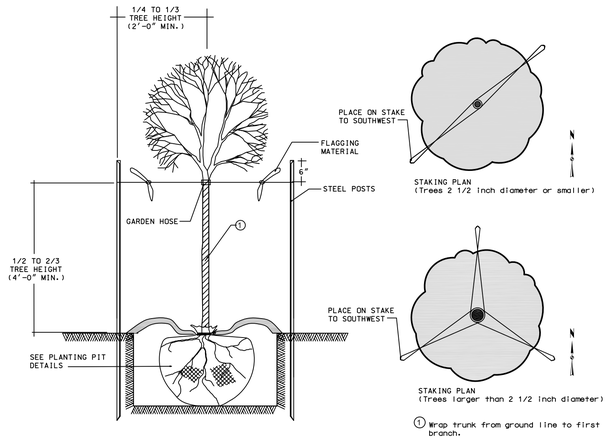


1 L1.1 DECIDUOUS TREE STAKING DETAIL

NO SCALE

PLANTING PLAN GENERAL NOTES

A. UTILITY WARNING:
THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND/OR RECORDS OBTAINED. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEY FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED.

B. NOTIFY UTILITY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXISTENCE, EXACT LOCATION AND DEPTH OF ALL UTILITIES. AVOID DAMAGE TO UTILITIES AND SERVICES DURING CONSTRUCTION. ANY DAMAGE DUE TO THE CONTRACTOR'S CARELESSNESS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. COORDINATE AND COOPERATE WITH UTILITY COMPANIES DURING CONSTRUCTION.

C. PLANT MATERIAL SHALL BE PROVIDED AND INSTALLED IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2013 ADDITION.

D. ALL PLANT MATERIAL SHALL AT LEAST MEET MINIMUM REQUIREMENTS SHOWN IN THE "AMERICAN STANDARDS FOR NURSERY STOCK" (ANSI Z60.1-LATEST EDITION).

E. CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FORM DATE OF PROJECT ACCEPTANCE.

F. CONTRACTOR SHALL PROPERLY CARE FOR ALL PLANT MATERIAL DURING CONSTRUCTION AND FOR A PERIOD OF ONE YEAR FROM THE DATE OF PROJECT ACCEPTANCE.

G. HARDWOOD MULCH: PROVIDE 3-INCH DEPTH SHREDDED HARDWOOD MULCH AROUND ALL PLANTINGS TO A MIN. 3-FOOT PERIMETER. PROVIDE CONTINUOUS MULCH BEDS AROUND ADJACENT SHRUB PLANTINGS AND ALL AREAS INDICATED ON THE PLAN. MULCH SHALL NOT BE PLACED AROUND THE COLLAR OF SHRUB OR TREE. PROVIDE A MINIMUM OF 2" BETWEEN MULCH AND COLLAR OF SHRUB OR TREE. CONTRACTOR TO PROVIDE A CLEAN VERTICAL CUT EDGE TO 4" DEPTH INTO EXISTING GRADE TO DEFINE THE PLANTING BED LIMITS, UNLESS OTHERWISE DIRECTED BY OWNER.

H. ROCK MULCH: PROVIDE COMMERCIAL GRADE LANDSCAPE FABRIC AND PLACE 3-INCH DEPTH 2-5" RIVER ROCK MULCH WHERE SHOWN ON THE PLAN. PROVIDE 3-INCH DEPTH SHREDDED HARDWOOD MULCH AROUND ALL OTHER PLANT MATERIAL TO A MINIMUM OF 3' DIAMETER. CONTRACTOR TO PROVIDE A 3/16" STEEL EDGING AROUND ROCK MULCH BEDS, UNLESS OTHERWISE DIRECTED BY OWNER.

I. CONTRACTOR TO PROVIDE A SAMPLE OF EDGING AND MULCH FOR APPROVAL.

J. ALL PLANT MATERIAL SHALL BE SPECIMEN QUALITY, HEALTHY, FREE OF DISEASE AND INSECTS AND SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS. PLANTS SHALL ALSO BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT VIGOROUS GROWTH.

K. ALL PLANT MATERIAL SHALL BE GROWN IN ZONE CAPABLE OF WITHSTANDING LOCAL CLIMATE AND GROWING CONDITIONS.

L. PLANTS SHALL BE TRUE TO SPECIES, SIZE AND VARIETY SPECIFIED. SUBSTITUTIONS OF PLANT MATERIALS IS NOT PERMITTED UNLESS AUTHORIZED IN WRITING BY THE LANDSCAPE ARCHITECT. OWNER HAS THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.

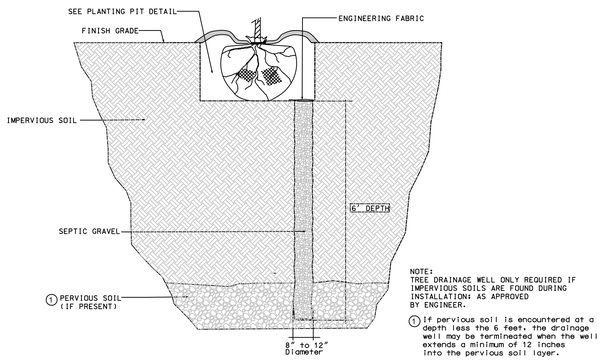
M. TREE OR SHRUB SHALL STAND PLUMB. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACK FILLING.

N. ALL PROPOSED PLANTS SHALL BE LOCATED AS SHOWN ON PLANS. ALL TREES TO BE PLANTED A MINIMUM DISTANCE OF 5 FEET FROM PAVEMENTS AND 6 FEET FROM ALL HYDRANTS.

PLANT SCHEDULE

	QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE AT PLANTING	MATURE SIZE	COMMENTS
OVERSTORY	2	BN	Betula nigra 'Heritage'	HERITAGE RIVER BIRCH	2 1/2"	50'h x 30'w	B&B
	3	CO	Celtis occidentalis 'Prairie Pride'	PRAIRIE PRIDE HACKBERRY	2 1/2"	50'h x 35'w	B&B
	4	GB	Ginkgo biloba 'Autumn Gold'	AUTUMN GOLD GINKGO	2 1/2"	50'h x 30'w	B&B, MALE FORM
	5	GY	Gymnocladus dioicus 'Espresso'	ESPRESSO KENTUCKY COFFEETREE	2 1/2"	60'h x 40'w	B&B
	3	RP	Robinia pseudoacacia 'Purple Robe'	PURPLE ROBE LOCUST	2 1/2"	50'h x 30'w	B&B
	2	TA	Tilia americana 'Redmond'	REDMOND LINDEN	2 1/2"	50'h x 30'w	B&B
EVERGREEN	3	PC	Pinus cembra 'Algonquin Pillar'	ALGONQUIN PILLAR SWISS STONE PINE	6' HT.	25'h x 12'w	B&B
ORNAMENTAL	3	AG	Acer grinnala	AMUR MAPLE	1 1/2" CAL.	20'h x 15'w	B&B
	6	AT	Acer tataricum 'Gar Ann' PP15,023	HOT WINGS TATARIAN MAPLE	1 1/2" CAL.	20'h x 20'w	B&B
	4	AM	Amelanchier x grandiflora 'Autumn Brilliance'	AUTUMN BRILLIANCE SERVICEBERRY	8' HT.	25'h x 15'w	B&B, TREE FORM
	7	CR	Crategus crus-galli var. inermis	THORNLESS COCKSPUR HAWTHORN	8' HT.	20'h x 20'w	B&B
	7	MR	Malus 'Rejzam'	REJOICE CRABAPPLE	6' HT.	15'h x 15'w	B&B
	3	SR	Syringa reticulata 'Ivory Silk'	IVORY SILK JAPANESE TREE LILAC	6' HT.	25'h x 15'w	B&B
SHRUBS	18	AR	Aronia melanocarpa 'Autumn Magic'	AUTUMN MAGIC CHOKEBERRY	18" HT.	4'h x 3'w	CONT. (3' O.C.)
	24	CL	Clethera alternifolia 'Ruby Spice'	RUBY SPICE SUMMERSWEET	24" HT.	5'h x 4'w	CONT. (4' O.C.)
	26	CS	Cornus stolonifera 'Farrow' PP18,523	ARCTIC FIRE DOGWOOD	24" HT.	4'h x 3'w	CONT. (3' O.C.)
	18	FO	Forsythia x 'Courtaneur'	GOLD CLUSTER FORSYTHIA	24" HT.	5'h x 4'w	CONT. (4' O.C.)
	12	FG	Fothergilla gardenii	DWARF FOTHERGILLA	18" HT.	3'h x 3'w	CONT. (3' O.C.)
	36	HK	Hypericum kalmianum 'Ames'	AMES ST. JOHN'S WORT	18" HT.	3'h x 3'w	CONT. (3' O.C.)
	20	IV	Itea virginica 'Scarlet Beauty'	SCARLET BEAUTY SWEETSPIRE	18" HT.	4'h x 4'w	CONT. (4' O.C.)
	12	PH	Philadelphus x 'Miniature Snowflake'	MINIATURE SNOWFLAKE MOCKORANGE	24" HT.	3'h x 3'w	CONT. (3' O.C.)
	14	PF	Potentilla fruticosa 'Goldfinger'	GOLDFINGER CINQUEFOIL	18" HT.	3'h x 3'w	CONT. (3' O.C.)
	27	SJ	Spiraea japonica 'Neon Flash'	NEON FLASH SPIREA	18" HT.	3'h x 4'w	CONT. (4' O.C.)
	2	VT	Viburnum trilobum 'J.N. Select'	REDWING AMERICAN CRANBERRYBUSH	36" HT.	8'h x 8'w	CONT. (8' O.C.)
	10	WF	Weigela florida 'Kolmagira' PP20,384	RAINBOW SENSATION WEIGELA	18" HT.	3'h x 3'w	CONT. (3' O.C.)
PERENNIALS & GRASSES	6	CA	Calamagrostis x acutifolia 'Karl Foerster'	KARL FOERSTER FEATHER REED GRASS	24" HT.	6'h x 3'w	CONT. (3' O.C.)
	30	HR	Hemerocallis 'Rosy Returns'	ROSY RETURNS DAYLILY	12" HT.	18"h x 18"w	CONT. (18" O.C.)
	20	HS	Hemerocallis 'Stella D'Oro'	STELLA D'ORO DAYLILY	12" HT.	18"h x 18"w	CONT. (18" O.C.)
	6	PV	Panicum virgatum	SWITCHGRASS	24" HT.	6'h x 3'w	CONT. (3' O.C.)

NOTE: IN THE EVENT OF A DISCREPANCY BETWEEN THE QUANTITY SHOWN IN THE PLANT SCHEDULE AND THE QUANTITY SHOWN ON PLAN, THE QUANTITY SHOWN ON PLAN SHALL GOVERN.



2 L1.1 TREE DRAINAGE WELL DETAIL

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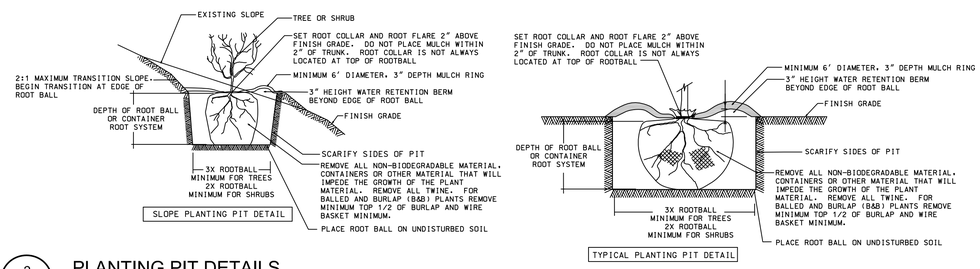

3 L1.1 PLANTING PIT DETAILS

NO SCALE

MARK	REVISION	DATE	BY

Engineer: LAO | Checked By: CHKD | Scale: 1" = SCALE
Technician: LFG | Date: 02-02-2017 | Field Bk: | Pg:

L1.1

117.0152.30

CITY OF MADISON, DANE COUNTY, WI

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9910 WATTS ROAD

LANDSCAPE NOTES AND DETAILS

117.0152.30

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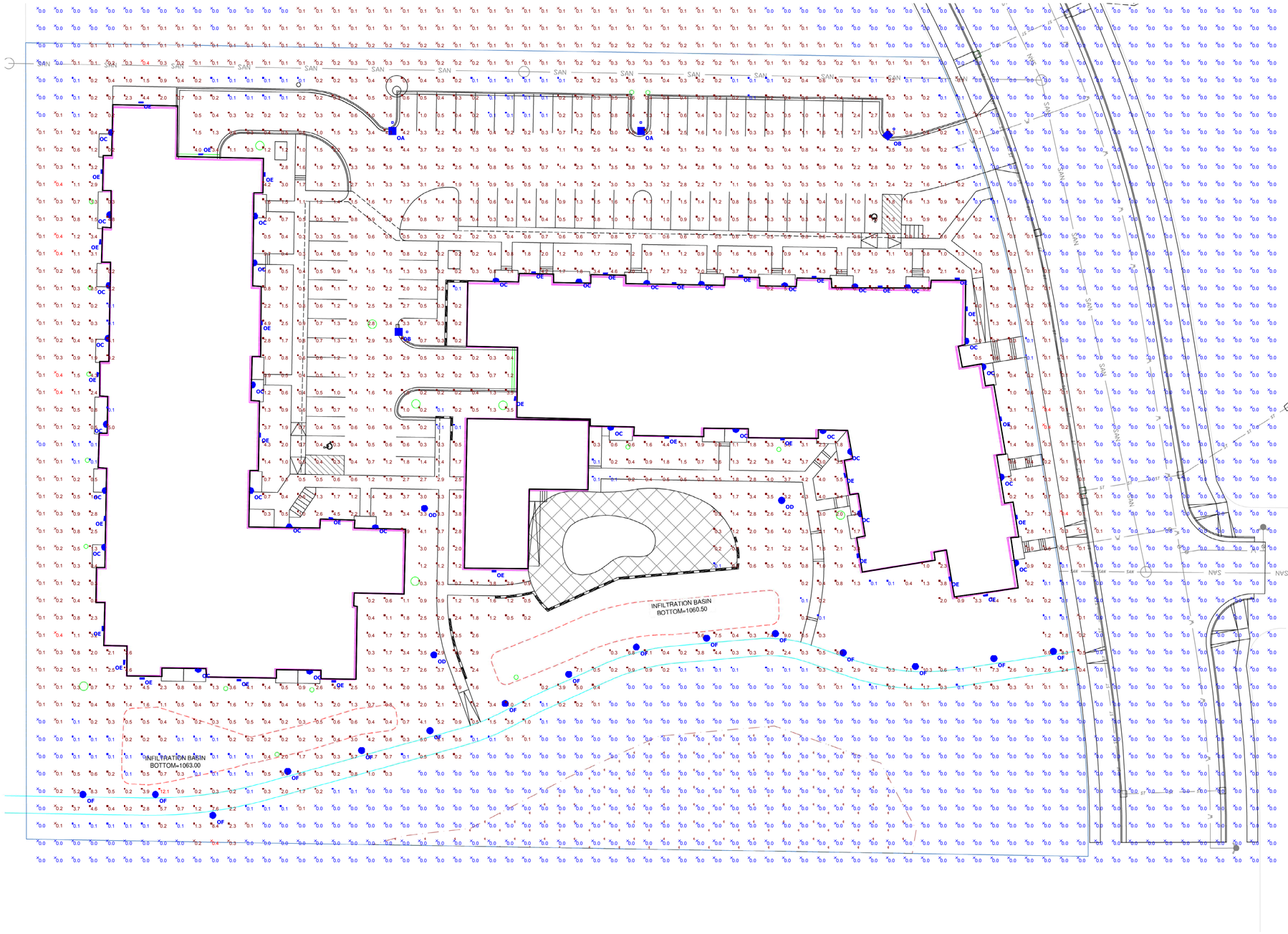

Plan View
Scale - 1" = 25ft

CRESCENT ELECTRIC SUPPLY COMPANY

1000 OAKS
EXTERIOR LIGHTING LAYOUT

Designer
TJ
Date
3/6/2017
Scale
Not to Scale
Drawing No.

Summary

Schedule

Symbol	Label	QTY	Catalog Number
	OA	2	KAX
	OB	2	KAX
	OC	31	UP/DOWN DOORLIGHT
	OD	3	POST TOP
	OE	33	OLWX
	OF	15	BOLLARD

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
EXTERIOR		1.4 fc	12.1 fc	0.1 fc	121.0:1	14.0:1
OUT OF PERIMETER		0.0 fc	0.4 fc	0.0 fc	N/A	N/A

CRESCENT ELECTRIC SUPPLY COMPANY

1000 OAKS
EXTERIOR LIGHTING LAYOUT

Designer
TJ
Date
3/6/2017
Scale
Not to Scale
Drawing No.

Summary

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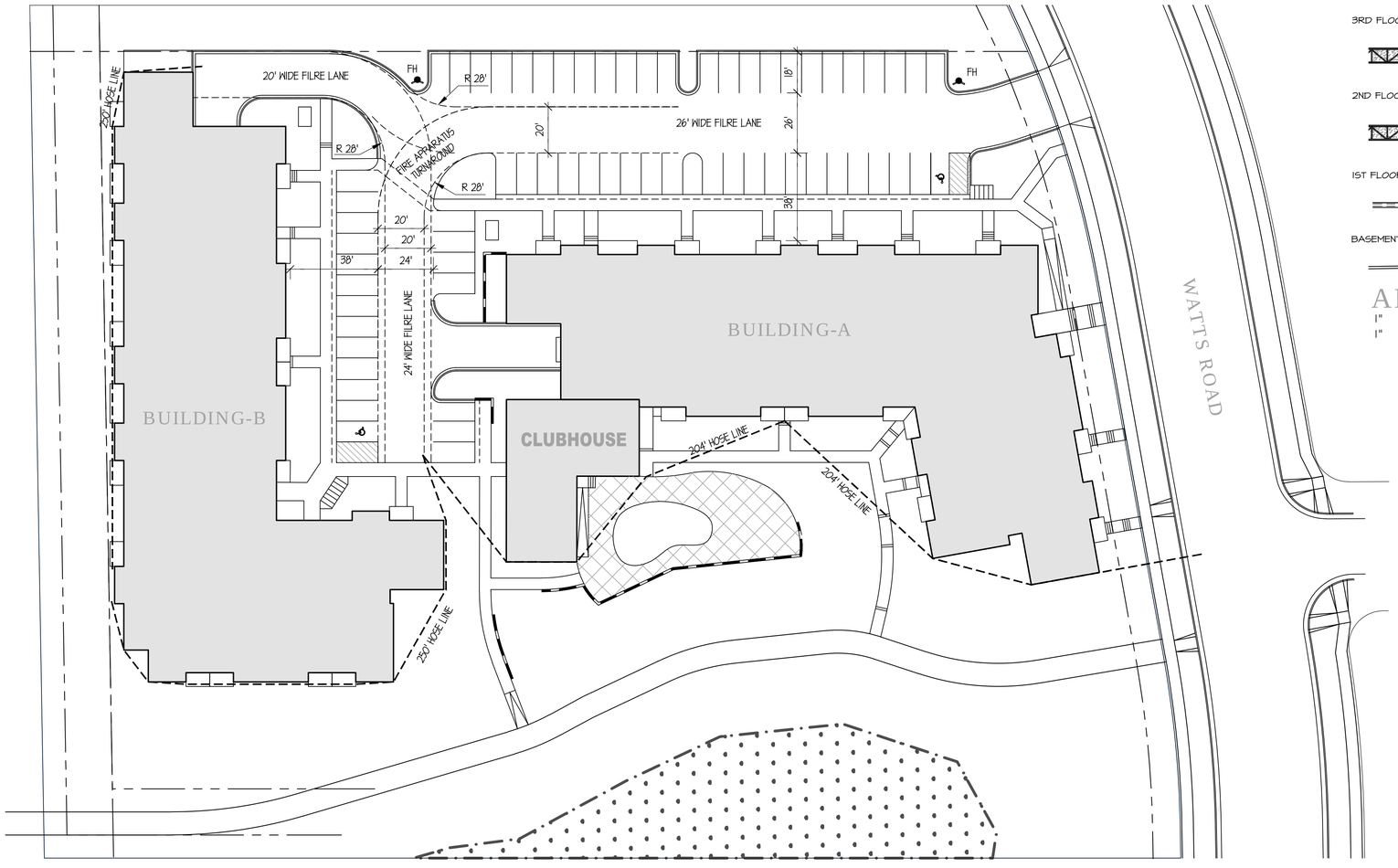
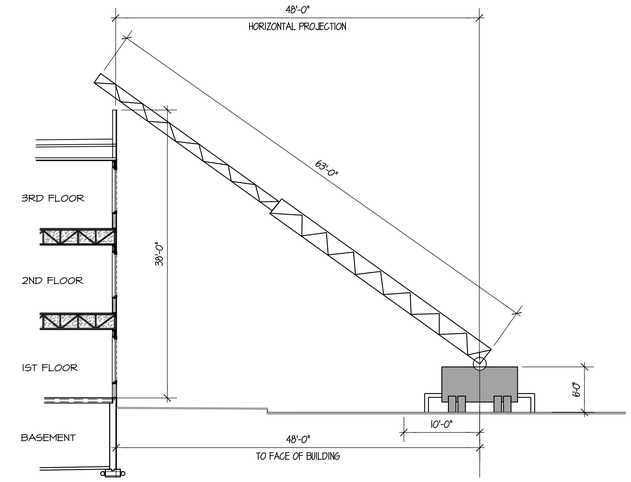


FIRE ACCESS PLAN

1" = 30'-0" (22x34)
1" = 60'-0" (11x17)

30' 60' 90' 120'
60' 120' 180' 240'

NORTH



AERIAL ACCESS DIAGRAM

1" = 10' (22x34)
1" = 20' (11x17)

PROJECT:
LATITUDE 43
9910 WATTS ROAD, MADISON, WI
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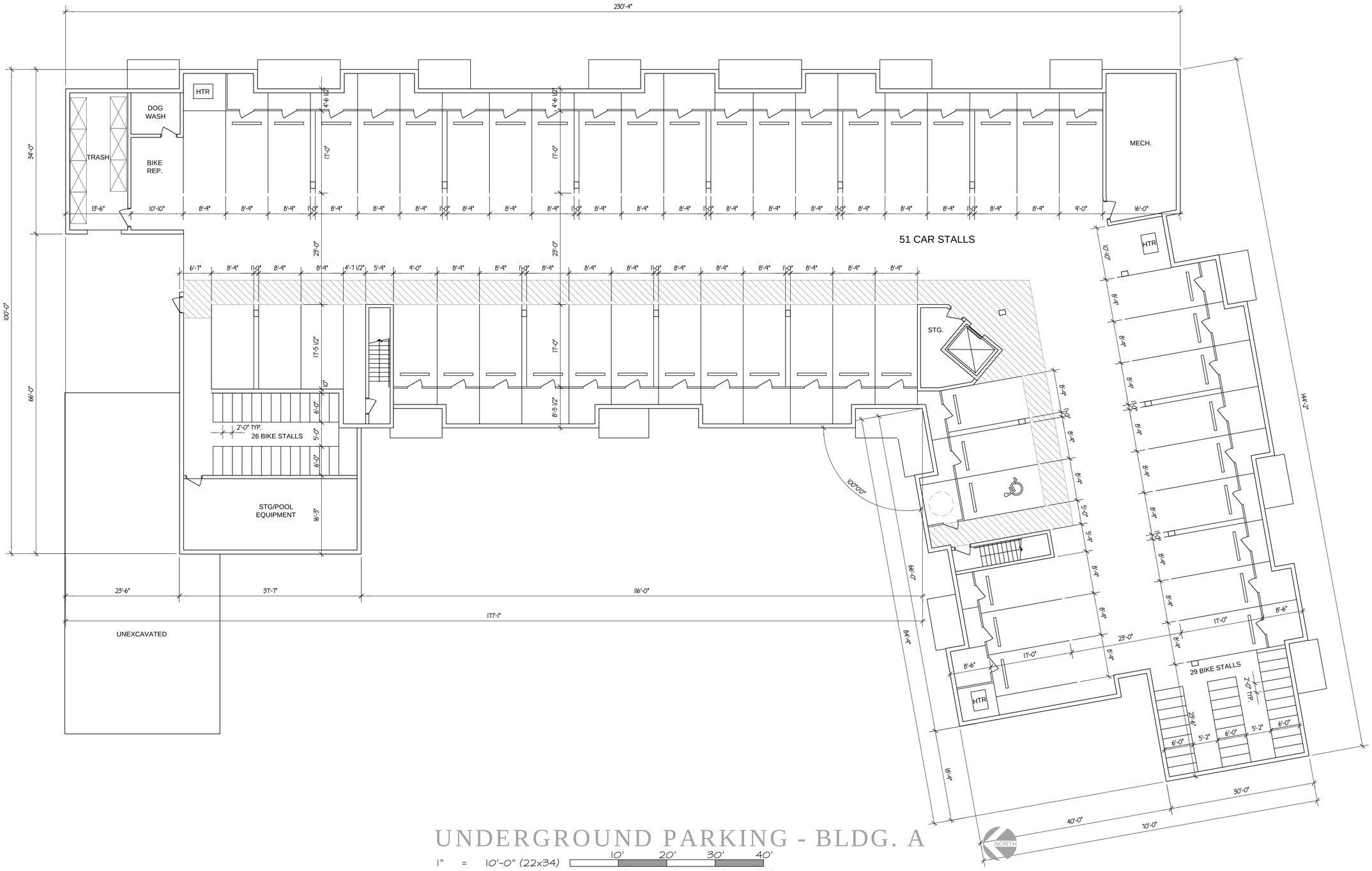
LATITUDE 43, LLC
818 NORTH STAR DRIVE, MADISON, WI 53718

PROJECT: 2017-03
CAD FILE:
DRAWN BY: U.K.
DATE: 03/22/17

F-1.0



UNDERGROUND PARKING - BLDG. A

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

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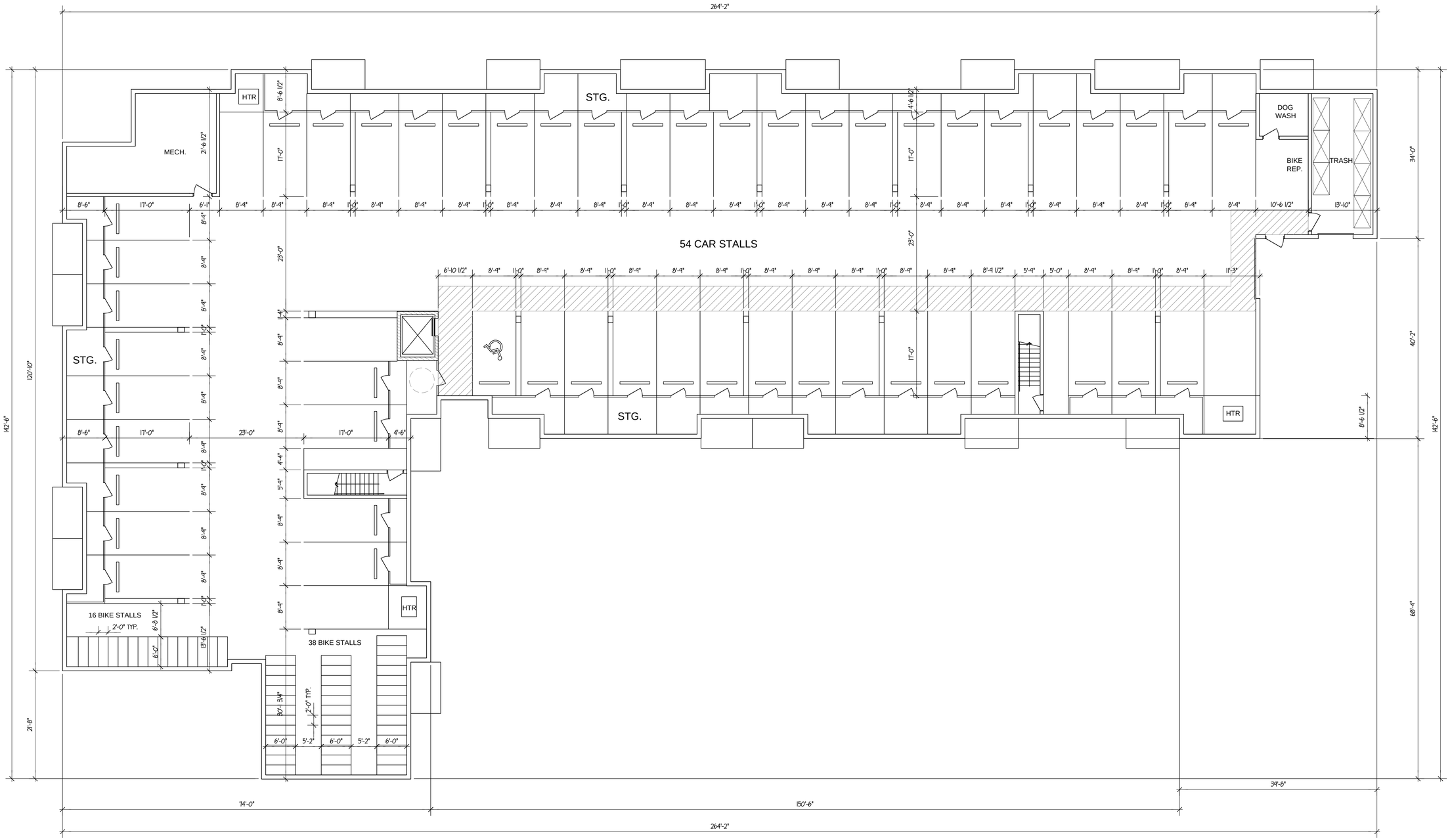
A-0(A)



UNDERGROUND PARKING - BLDG. B

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

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A-0(B)

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FIRST FLOOR PLAN - BLDG. A

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

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A-1(A)

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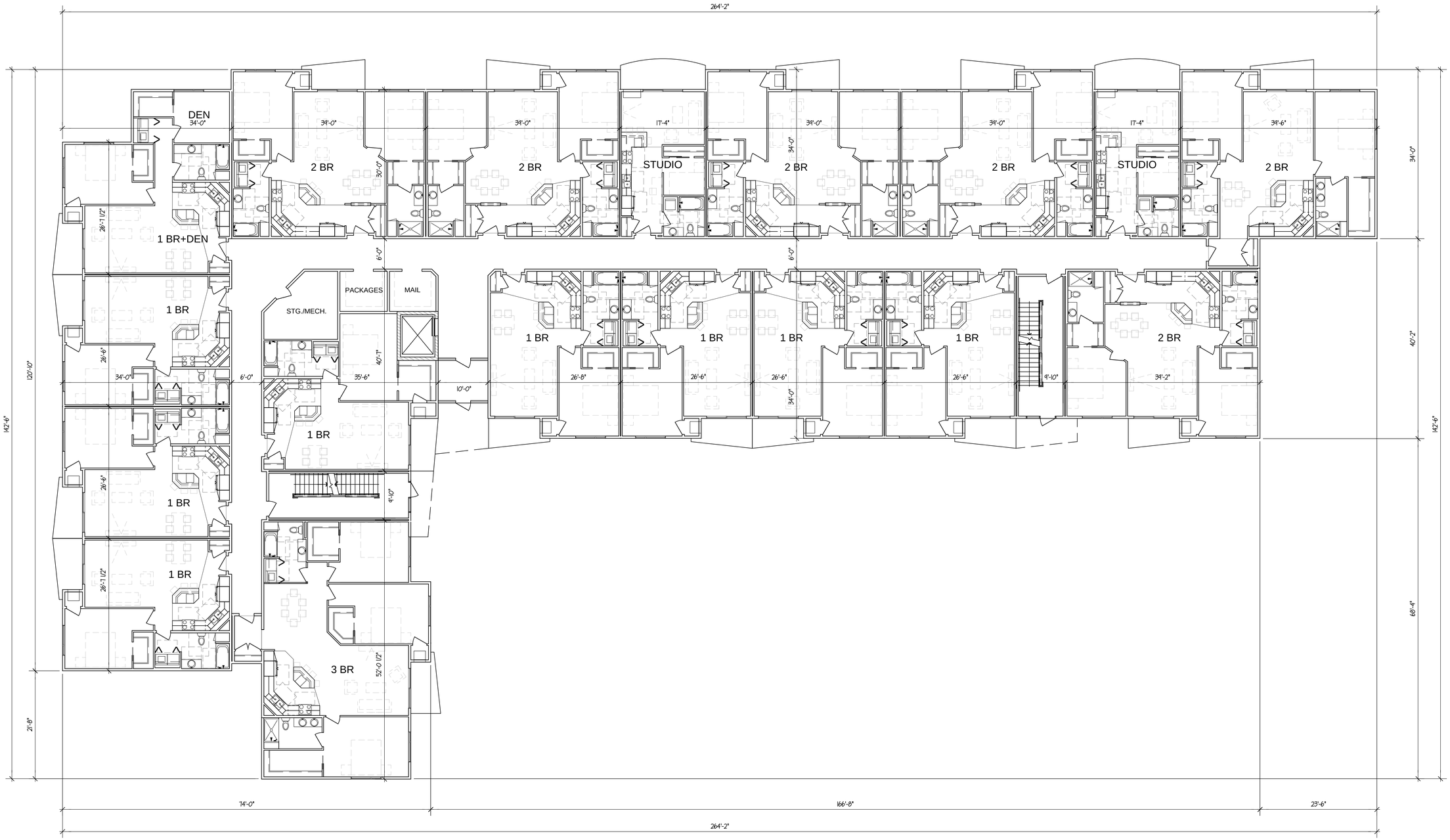

FIRST FLOOR PLAN - BLDG. B

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

NORTH

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A-1(B)

SECOND/THITD FLOOR PLAN - BLDG. A

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

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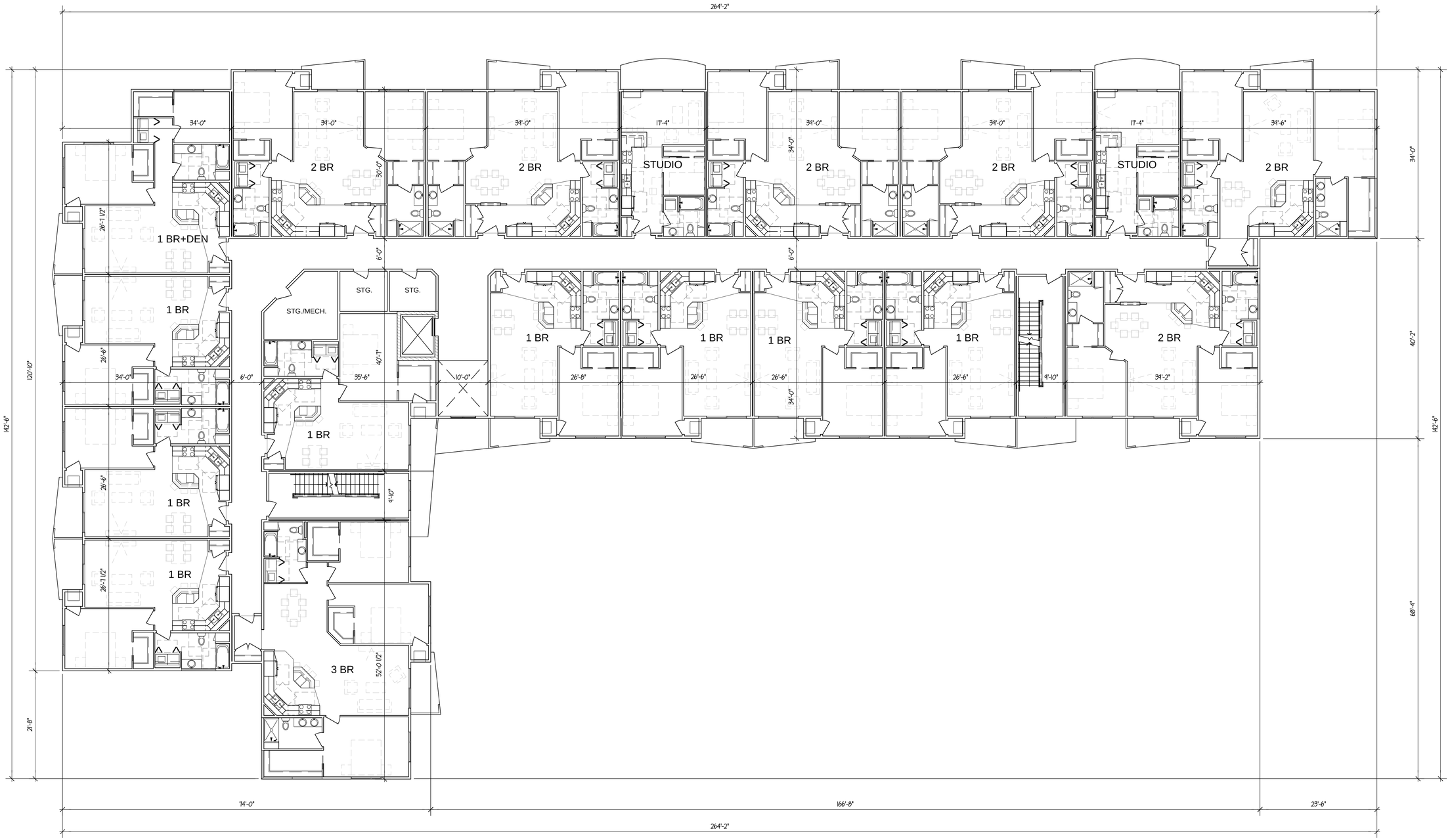
A-2(A)



SECOND/THIRD FLOOR PLAN - BLDG. B

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

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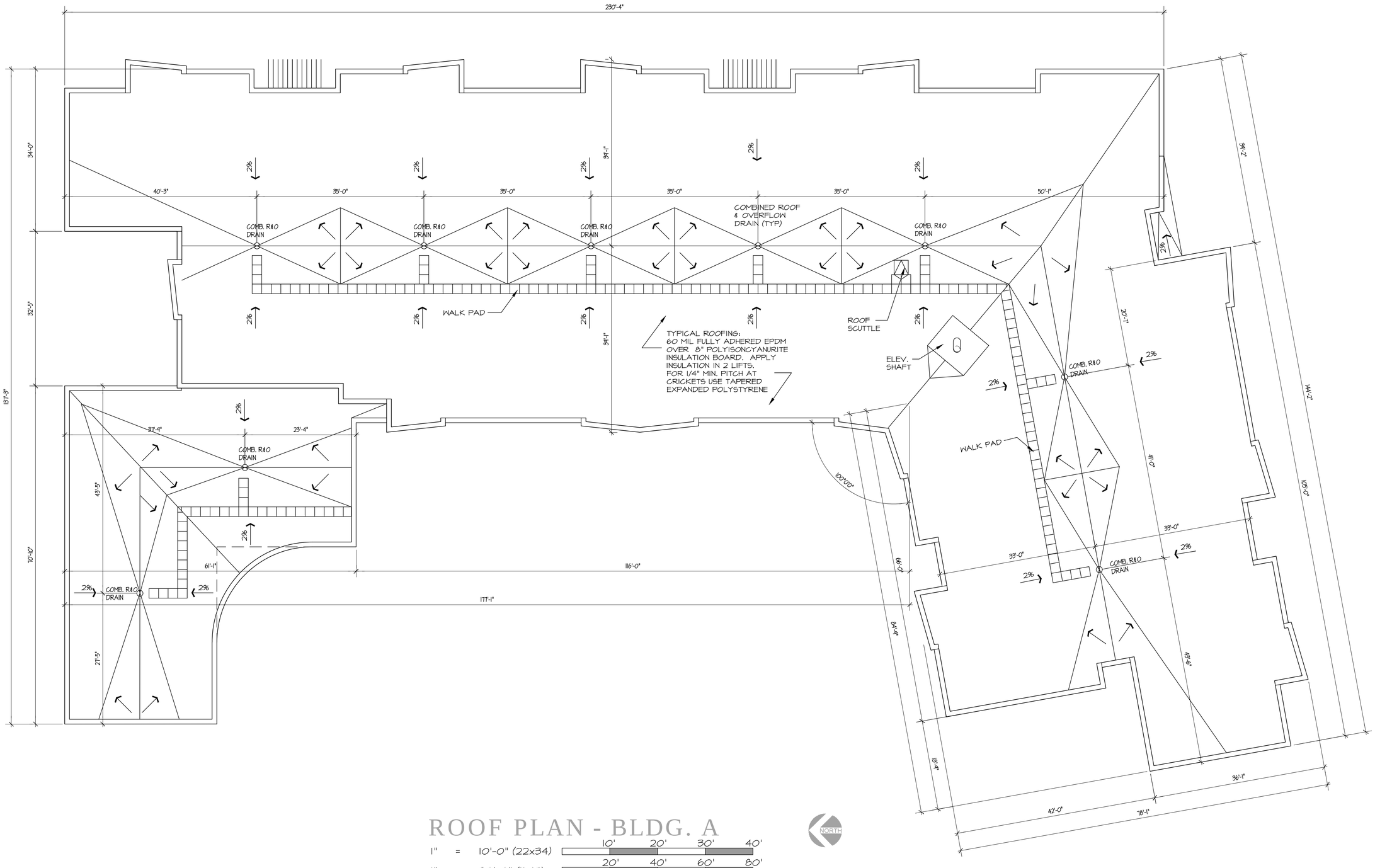
A-2(B)



ROOF PLAN - BLDG. A

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

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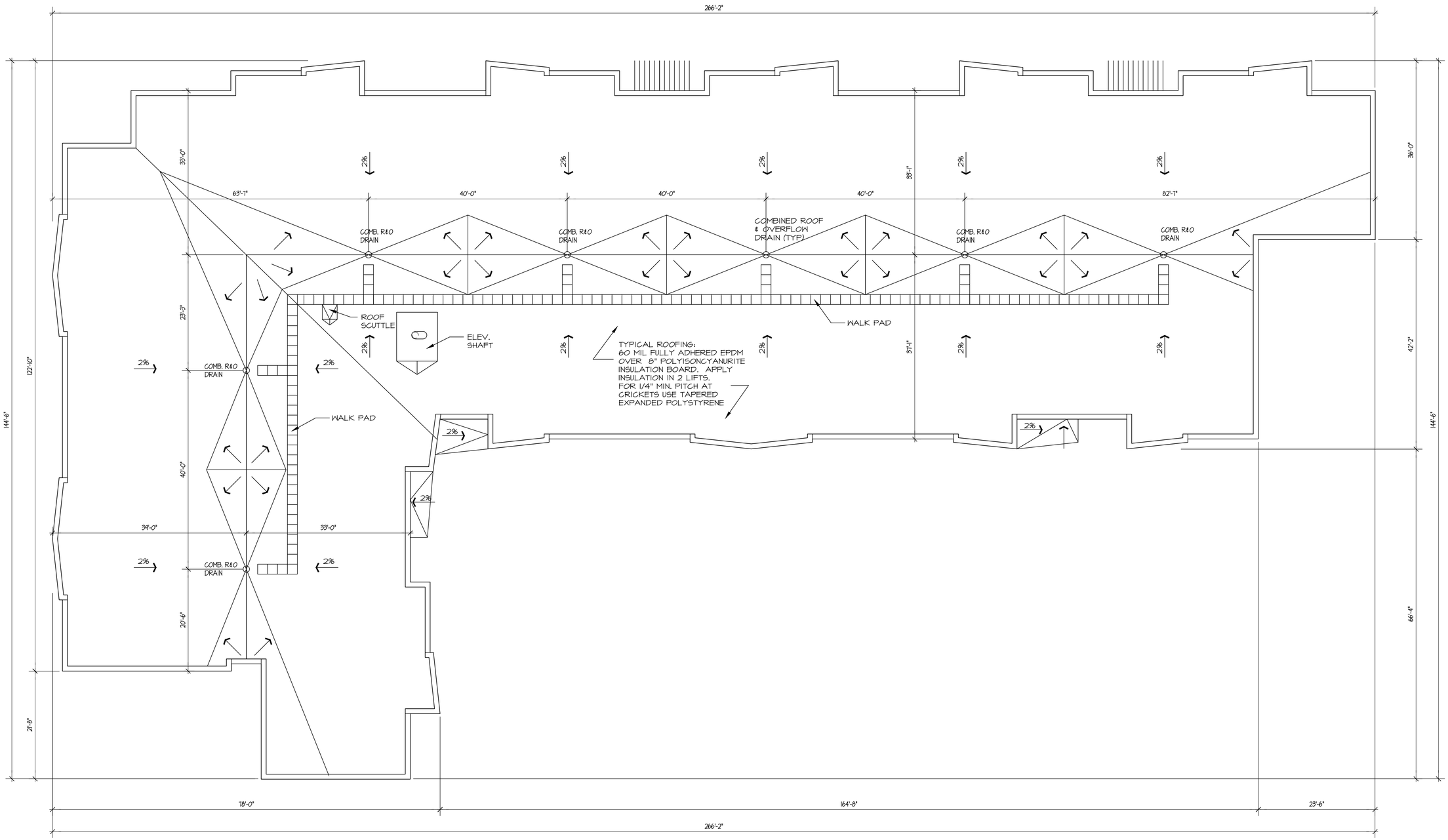
A-3(A)



ROOF PLAN - BLDG. B

1" = 10'-0" (22x34)

1" = 20'-0" (11x17)

NORTH

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A-3(B)

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EAST FACEDE - BLDG. A

1" = 10'-0" (22x34)
1" = 20'-0" (11x17)

10' 20' 30' 40'
20' 40' 60' 80'

MATERIALS & COLORS

WINDOWS: VINYL, COLOR DARK GREY
RAILING AT DECKS: GLASS
SIDING: LP "SMARTSIDE"
BRICK VENEER: DOUBLE MONARCH, STACK BOND

- SW 7573, EAGLET BEIGE
- SW7690, TOWNHALL TAN
- SW 6202, CAST IRON
- SW 7062, ROCK BOTTOM
- SW 7599, BRICK PAVER
- SW 9035, FROSTED EMERALD
- ASHBERRY VELOUR

SOUTH FACADE - BLDG. A

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PROJECT: 2017-03
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A-4.1

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WEST FACEDE - BLDG. A

1" = 10'-0" (22x34)
1" = 20'-0" (11x17)

10' 20' 30' 40'
20' 40' 60' 80'

MATERIALS & COLORS

WINDOWS: VINYL, COLOR DARK GREY
RAILING AT DECKS: GLASS
SIDING: LP "SMARTSIDE"
BRICK VENEER: DOUBLE MONARCH, STACK BOND

- SW 7573, EAGLET BEIGE
- SW1690, TOWNHALL TAN
- SW 6202, CAST IRON
- SW 7062, ROCK BOTTOM
- SW 7599, BRICK PAVER
- SW 9035, FROSTED EMERALD
- ASHBERRY VELOUR

NORTH FACADE - BLDG. A

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A-4.2

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SOUTH FACEDE - BLDG. B

1" = 10'-0" (22x34)
1" = 20'-0" (11x17)

10' 20' 30' 40'
20' 40' 60' 80'

MATERIALS & COLORS

WINDOWS: VINYL, COLOR DARK GREY
RAILING AT DECKS: GLASS
SIDING: LP "SMARTSIDE"
BRICK VENEER: DOUBLE MONARCH, STACK BOND

- SW 7573, EAGLET BEIGE
- SW7690, TOWNHALL TAN
- SW 6202, CAST IRON
- SW 7062, ROCK BOTTOM
- SW 7599, BRICK PAVER
- SW 6502, LOCH BLUE
- ASHBERRY VELOUR

WEST FACADE - BLDG. B

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A-5.1

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NORTH FACEDE - BLDG. B

1" = 10'-0" (22x34)
1" = 20'-0" (11x17)

10' 20' 30' 40'
20' 40' 60' 80'

MATERIALS & COLORS

WINDOWS: VINYL, COLOR DARK GREY
RAILING AT DECKS: GLASS
SIDING: LP "SMARTSIDE"
BRICK VENEER: DOUBLE MONARCH, STACK BOND

- SW 7573, EAGLET BEIGE
- SW7690, TOWNHALL TAN
- SW 6202, CAST IRON
- SW 7062, ROCK BOTTOM
- SW 7599, BRICK PAVER
- SW 6502, LOCH BLUE
- ASHBERRY VELOUR

EAST FACADE - BLDG. B

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