City of Fitchburg
Planning/Zoning Department
5520 Lacy Road
Fitchburg, WI 53711
(608-270-4200)

ARCHITECTURAL & DESIGN REVIEW APPLICATION

Applicant/Contact Person: JSD Professional Services, Inc. - Kevin Yeska

Address: 161 Horizon Drive, Suite 101 **Phone Number of Contact Person:** 608-848-5060

City, State, Zip Code: Verona, WI 53593 **Email of Contact Person:** kevin.yeska@jsdinc.com

Project Address: 5215 Verona Road **Lot:** 1 **Subdivision:** CSM 15501

Project Type: _____ **Multi-Family** X **Commercial** _____ **Industrial** _____ **Other**

_____ **New** X **Addition**

Impervious Surface Ratio (ISR): 54.0 (City Standard: maximum 65% ISR)

All items listed below must be included with the application to be considered complete. If an item is not included with the application, the applicant must provide in writing the basis for not including it. Building and site plans submitted to the Fitchburg Plan Commission for architectural and design review shall contain the following information:

Site Data:

- ☒ 1. Lot or property dimensions.
- ☒ 2. Orientation (to north).
- ☒ 3. Adjacent highways, roads, drive, etc.
- ☒ 4. Existing natural features (rivers, ponds, wetlands).
- ☒ 5. Existing buildings and/or improvements.
- ☒ 6. Existing and proposed site drainage.
- ☒ 7. Utility plans, including main/lateral sizes and existing fire hydrants on site or within 300 feet of the site
- ☒ 8. ISR shall be indicated on all plans.
- ☒ 9. Stormwater management plans and details, including grading plan.
- ☒ 10. Lighting plan in footcandles and light fixture cut sheets.

Building:

- ☒ 1. Building size, configuration and orientation.
- ☒ 2. Distance from lot lines.
- ☒ 3. Distance from other buildings, improvements and natural features.
- ☒ 4. Location of well, septic tank, drainfield, etc. (if applicable)
- ☒ 5. Additional proposed additions or new structures, including trash/recycling enclosure(s).
- ☒ 6. Construction type (wood frame, structural steel, etc.).
- ☒ 7. Foundation type (full basement, slab on grade, etc.).
- ☒ 8. Number of levels.
- ☒ 9. Siding/exterior covering type, color, texture, etc.
- ☒ 10. Roof type (gable, hip, shed, flat, etc.) and pitch.
- ☒ 11. Roofing material type, color, texture, etc.
- ☒ 12. Exterior door and window location, size, type, etc.
- ☒ 13. Fire protection sprinklers or fire alarm systems.

Ingress, Egress, Parking:

- ☒ 1. Location of highway and road access points.
- ☒ 2. Location, size, configuration of drivers and walks.
- ☒ 3. Number, size, location of parking spaces.
- ☒ 4. Location of handicapped parking and accessible building entrances.
- ☒ 5. Bicycle rack(s).

Landscaping:

- ☒ 1. Location, species, size of existing trees, shrubs, and plantings.
- ☒ 2. Location, species, size of proposed plantings.
- ☒ 3. Location and size of all paved, seeded/sodded and gravelled areas.
- ☒ 4. Location of all retaining walls, fences, berms and other landscape features.

***It is highly recommended that an applicant hold at least one neighborhood meeting prior to submitting an ADR application to identify any concerns or issues of surrounding residents.**

The preceding information is considered to be the minimum information for submission, and the City may require additional information for its review. Any interpretations provided by city officials as the result of submitting the attached information are based on the submitted plans, and any plan changes, may affect the interpretations.

It is the responsibility of the owner/applicant to insure compliance with all local and state requirements. The below signed applicant acknowledges the above information and hereby submits the attached information for the City's Architectural and Design Review Process.

Signed: _____ **Date:** 01-18-2022
Applicant or Authorized Agent

***** Application shall be accompanied by one (1) sets of full-size plans, two (2) sets no larger than 11"x17", and one (1) pdf document of the complete submittal to planning@fitchburgwi.gov. Applications are due at least 4 weeks prior to the desired Plan Commission Meeting. The time frame assumes a complete set of plans is provided, and if it is not provided the Plan Commission date will be adjusted.**

FOR CITY USE ONLY

Date Received: _____ **Plan Commission Date:** _____

Comments:

Madison Regional Office
161 Horizon Drive, Suite 101
Verona, WI 53593
608.848.5060

January 18, 2022

Ms. Lisa McNabola
Associate Planner
City of Fitchburg Planning Division
5520 Lacy Road
Fitchburg, WI 53711

Subject **McKenzie Regional Workforce Center**
Letter of Intent – Architectural Design Review and Conditional Use
5215 Verona Road
Fitchburg, WI 53711
JSD Project No. 21-10852

Ms. Lisa McNabola,

The following is submitted in conjunction with the plans and application materials for Architectural Design Review and Conditional Use consideration and approval.

Organizational structure:

Owner: McSkill & Trade LLC
5215 Verona Road
Fitchburg, WI 53711
Attn: sghee@bgcdc.org

Architect: OPN
301 North Broom Street #100
Madison, WI 53703
Attn:mhepner@opnarchitects.com

Civil: JSD Professional Services, Inc.
161 Horizon Drive, Suite 101
Verona, WI 53593
Attn: matt.haase@jsdinc.com

Landscape: JSD Professional Services, Inc.
161 Horizon Drive, Suite 101
Verona, WI 53593
Attn: kevinyeska@jsdinc.com

Introduction:
The site is located at 5215 Verona Road on Fitchburg's northwest side and is currently the site of a two-story building with a surface parking lot. The site is currently zoned Business Professional. An office use exists east of the site (Thermo Fisher Scientific), whereas self-storage was recently developed to the south. The proposed project entails the refurbishment of the existing building's interior and exterior, an approximately 4,900 square foot building addition, and site improvements including 48 vehicular parking stalls, outdoor learning spaces, and landscaping opportunities.

Project Description:
This refurbished building and site will empower young people with the skills and education needed for the trades job of tomorrow, while teaching students how to open and operate businesses and build wealth as part of their entrepreneurial center. The building will serve as the headquarters of both the Boys & Girls Clubs of Dane County and Wisconsin Regional Training Partnership (WRTP) Big Step. Office

space will also be utilized by the Madison Area Builder's Association (MABA). This move will allow for the skilled trades program and entrepreneurial center to become the hub of the building with office spaces to help support the mission, and individual organizations. Technology, education, tools, mentorship and collaboration will live at this rejuvenated facility. A photovoltaic array, a geothermal heating system, a skilled trades workshops and multi-disciplinary site improvements will expose students to modern systems, while indoor/outdoor classrooms, conference and meeting areas will facilitate a collaborative learning process.

The existing building's interior configuration and materials will be completely refurbished and updated. A building addition, approximately 4,900 sf in size, will house an intensive rooftop patio gathering area and workshop space below. Exterior building materials will consist primarily of charcoal ACM panels and a combination of transparent and translucent storefront glazing to complement the existing dark brick facade.

Site design includes a newly configured parking lot, stormwater management system and gathering spaces which are carefully intended to enhance softscape materials. Plantings will consist of adaptive, native species where possible to convey a natural, but refined aesthetic.

City Input:
The JSD-OPN team has met with the City of Fitchburg's Planning, Public Works and Fire Department to discuss overall project goals, utility infrastructure impacts, accessibility and safety concerns.

Site Development Data:

Lot Area:	86,278 SF // 1.981 acres
Building Area:	21,515 SF
Impervious Area:	46,885 square feet
Open Space:	39,393 square feet
Parking Stalls:	48 total (2 accessible)
Bicycle Stalls:	12 stalls (6 racks)

Project Schedule:
Interior demolition: March, 2022
Building construction: April 2022-March 2023
Site work: Fall, 2022

Thank you for your time and consideration of this project.

Sincerely,

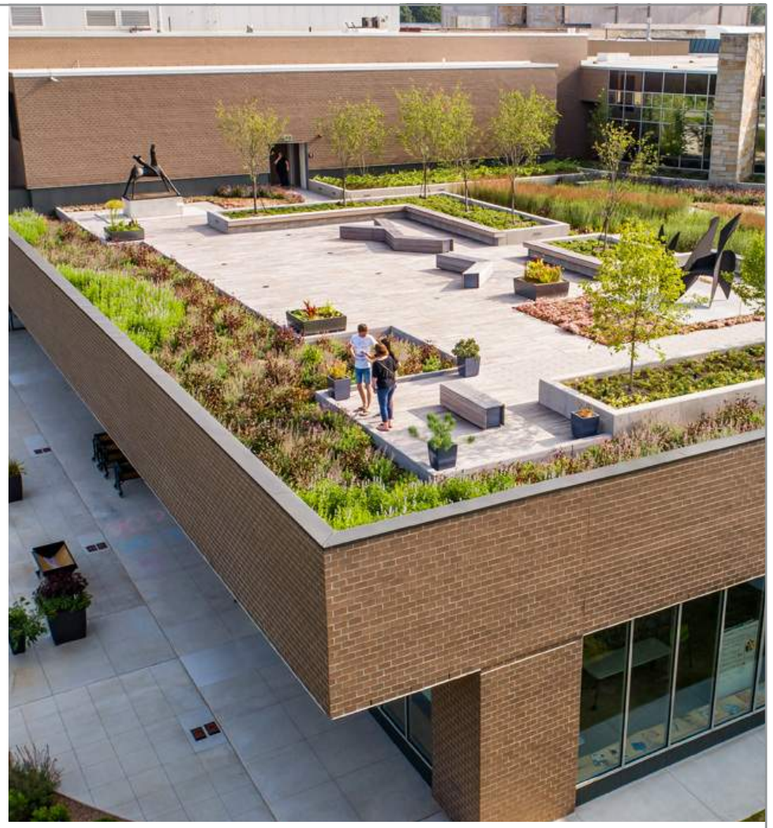
JSD Professional Services, Inc.

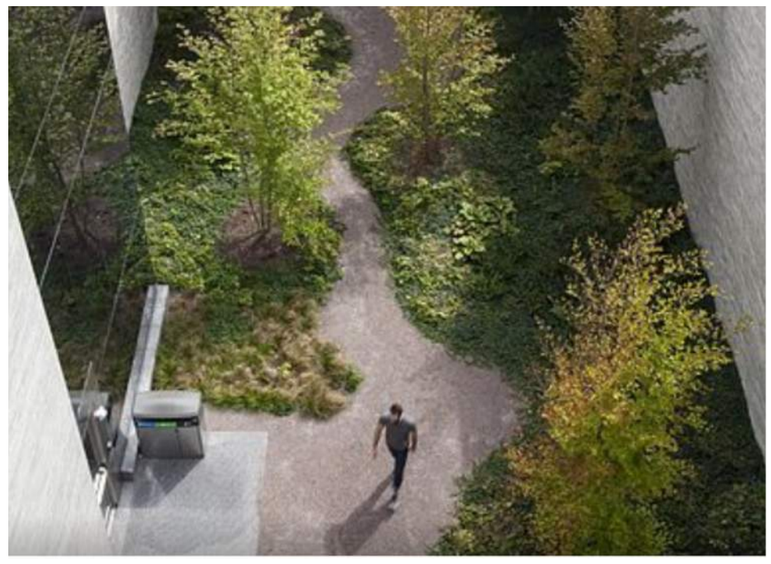
Kevin Yeska, PLA, ASLA
Project Consultant / Landscape Architect

BOYS & GIRLS CLUB OF DANE COUNTY **EXISTING SITE CONDITIONS**

MADISON, WI **DATE: 01.18.2022**

OPN ARCHITECTS JSD





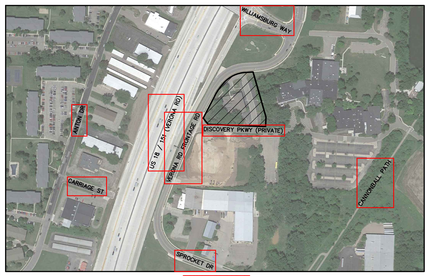
BOYS & GIRLS CLUB OF DANE COUNTY **PROPOSED SITE CONCEPTS**

MADISON, WI **DATE: 01.18.2022**

OPN ARCHITECTS JSD

ALTA/NSPS LAND TITLE SURVEY

LOT 1, C.S.M. No. 15501, LOCATED IN PART OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 06, TOWNSHIP 06 NORTH, RANGE 09 EAST, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.



VICINITY MAP
NOT TO SCALE

CENTER QUARTER CORNER SECTION 06, T06N, R09E FOUND BRASS CAP IN CONCRETE

EAST QUARTER CORNER SECTION 06, T06N, R09E FOUND BRASS CAP IN CONCRETE

S87°52'58"E 2642.75'

1689.52'

953.23'

(N86°48'33"E 47.32')
N86°49'52"E 47.32'

P.O.B.

C-5

C-4

C-3

C-2

C-1

VERONA ROAD (FRONTAGE ROAD)
PUBLIC RIGHT-OF-WAY VARIES

PARCEL
86,282 S.F.
1.981 ACRE

THERMO FISHER SCIENTIFIC
BUILDING 3
TWO-STORY MASONRY BUILDING
5215 VERONA ROAD
BUILDING AREA AT EXTERIOR FOOTPRINT = 10,590 S.F.

LOT 1
CSM No. 15501

LOT 2
CSM No. 15501
OWNER: THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC

WOODED AREA

WOODED PLATFORM TO DOOR

LOADING BAY

25' FRONT YARD SETBACK LINE

15' SIDE YARD SETBACK LINE

DISCOVERY PATH
PRIVATE DRIVE

LOT 2
CSM No. 15501

LOT 1
CSM No. 15183
OWNER: BSH STORAGE FITCHBURG LLC

OUTLOT 1
CSM No. 15183
OWNER: NEW ACQUISITIONS CORPORATION

ACCESS POINT

N87°24'06"W 344.64'
(N87°24'25"W 344.64')

S02°35'54"W 56.54'
(S02°35'35"W 56.54')

N89°07'52"W 47.58'
(N89°08'08"W 47.57')

(12) 10' UTILITY EASEMENT PER CSM No. 15501

(13) (14) NO ACCESS
(31) (32)

(17) RIGHT-OF-WAY GRANT UNDERGROUND ELECTRIC, DOCUMENT No. 4362364 APPROXIMATE LOCATION

(11) 20' UTILITY EASEMENT PER CSM NO. 3122

(11) 10' ELECTRICAL UTILITY EASEMENT PER CSM No. 3122

(35) 15' x 15' SIGN AND ELECTRIC EASEMENT AGREEMENT, DOCUMENT No. 5736397

(36) 10' SIGN AND ELECTRIC EASEMENT AGREEMENT, DOCUMENT No. 5736397

(31) 15' ACCESS EASEMENT, DOCUMENT No. 1204537

(15) (16) EASEMENT AGREEMENT, DOCUMENT No. 1405112

(27) AGREEMENT FOR ACCESS, DOCUMENT No. 2289975.

(33) PRIVATE STORM WATER EASEMENT AGREEMENT, DOCUMENT No. 5622354

(10) (13) (14) 50' SANITARY SEWER EASEMENT PER CSM No. 3122 AND DOCUMENT No. 5639291

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C-1	153.40' (153.29')	4667.00' (4667.00')	1°53'00" (1°52'55")	153.39' (153.29')	N27°44'48"E (N27°44'32"E)
C-2	95.25' (98.25')	386.00' (386.00')	14°08'19" (14°08'19")	95.01' (95.01')	N35°45'29"E (N35°45'10"E)
C-3	142.79' ( )	186.00' ( )	43°59'12" ( )	139.31' ( )	N64°49'16"E ( )
C-4	127.53' (127.99')	186.00' (186.00')	39°17'03" (39°25'35")	125.05' (125.48')	S62°28'12"W (N62°32'09"E)
C-5	15.27' (14.80')	386.00' (386.00')	4°42'09" (4°33'37")	15.26' (14.80')	S84°27'48"W (N84°31'45"E)

LEGEND

- GOVERNMENT CORNER
- CHISELED "X" FOUND
- 1" IRON PIPE FOUND
- 1/4" REBAR FOUND
- 3/4" REBAR FOUND
- BOLLARD
- POST
- SIGN
- SANITARY MANHOLE
- CLEAN OUT
- HYDRANT
- WATER VALVE
- STORM MANHOLE
- CURB INLET
- GAS REGULATOR/METER
- GAS VALVE
- ELECTRIC PEDESTAL
- ELECTRIC METER
- AIR CONDITION UNIT
- LIGHT POLE
- POWER POLE
- VAULT
- TELEPHONE PEDESTAL
- DECIDUOUS TREE
- HANDICAP PARKING
- PARCEL BOUNDARY
- CHORD LINE
- CENTERLINE
- RIGHT-OF-WAY LINE
- SECTION LINE
- PLATTED LOT LINE
- SETBACK LINE
- EASEMENT LINE
- LANDSCAPE LIMITS
- EDGE OF PAVEMENT
- CONCRETE CURB & GUTTER
- SANITARY SEWER
- WATER LINE
- STORM SEWER
- NATURAL GAS
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- EDGE OF WOODS OR BRUSH
- BUILDING
- BITUMINOUS PAVEMENT
- RETAINING WALL
- CONCRETE PAVEMENT
- EDGE OF BITUMINOUS
- PAVEMENT STRIPING
- END OF FLAGGED UTILITIES
- DENOTES RECORD DATA DEPICTING THE SAME LINE ON THE GROUND AS RETRACED BY THIS SURVEY

NOTES CORRESPONDING TO TABLE A REQUIREMENTS:

ITEM 3 THE SUBJECT PROPERTY LIES IN ZONE X, AREA OF MINIMAL FLOOD HAZARD PER FEMA MAP NUMBER 55025C0415G, EFFECTIVE DATE OF JANUARY 2, 2009.

ITEM 6(a)(b) CURRENT ZONING CLASSIFICATION IS SPECIALIZED INDUSTRIAL (I–S) PER CITY OF FITCHBURG ONLINE GIS MAP AS OF DECEMBER 28, 2021.
MINIMUM LOT AREA = 20,000 SQUARE FEET
MINIMUM FRONT YARD SETBACK = 20'
MINIMUM STREET SIDE SETBACK = 15'
MAXIMUM BUILDING HEIGHT = 42'
MINIMUM OPEN SPACE = 30%
MINIMUM LOT WIDTH = 100'
MINIMUM SIDE YARD SETBACK = 10'
MINIMUM REAR YARD SETBACK = 30'
MAX LOT AREA COVERAGE = 65%

ITEM 9 THERE ARE 51 PARKING SPACES AND 2 HANDICAP SPACES FOR A TOTAL OF 53 PARKING SPACES.

ITEM 11 NOTE TO THE CLIENT, INSURER, AND LENDER – WITH REGARD TO TABLE A, ITEM 11, INFORMATION FROM THE SOURCES CHECKED ABOVE WILL BE COMBINED WITH OBSERVED EVIDENCE OF UTILITIES PURSUANT TO SECTION 5.E.IV. TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE, IN WHICH CASE THE SURVEYOR SHALL NOTE ON THE PLAT OR MAP HOW THIS AFFECTED THE SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY.

ITEM 14 DISTANCE FROM DISCOVERY PATH (PRIVATE ROAD) TO WILLIAMSBURG WAY IS APPROXIMATELY 855'.

ITEM 16 THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE TIME OF THIS SURVEY.

ITEM 17 THERE ARE NO PROPOSED CHANGES IN THE STREET RIGHT–OF–WAY LINES PER CITY OF FITCHBURG ENGINEERING DEPARTMENT. THERE IS NO STREET OR SIDEWALK CONSTRUCTION OR REPAIRS AT THE TIME OF THE SURVEY.

ITEM 18 THERE ARE NO OFFSITE EASEMENTS FOR THE SUBJECT PROPERTY.

ITEM 20(a) ALL AREAS AFFECTED BY ANY RECORDED RESTRICTIONS OR ACCESS LIMITATIONS ARE SHOWN HEREON.

ITEM 20(b) THE LOCATION OF EXISTING IMPROVEMENTS AS MEASURED ON EACH SIDE TO THE NEAREST PROPERTY LINE AS SHOWN HEREON.

ITEM 20(c) THE PROPOSED LOCATIONS OF CONTEMPLATED IMPROVEMENTS (IF ANY).

ITEM 20(d) INTERIOR LOT LINES (IF ANY). NONE.

NOTES CORRESPONDING TO SCHEDULE B–SECTION TWO EXCEPTIONS

(FIRST AMERICAN TITLE INSURANCE COMPANY, FILE No.: NCS–1106962, COMMITMENT DATE: JANUARY 05, 2022 AT 7:30 A.M.)

(10) EASEMENTS, DEDICATIONS, RESERVATIONS, PROVISIONS, RELINQUISHMENTS, RECITALS, CERTIFICATES, AND ANY OTHER MATTERS AS PROVIDED FOR OR DELINEATED ON CERTIFIED SURVEY MAP No. 1414, RECORDED APRIL 23, 1974 IN VOLUME 6, PAGE 93 AS DOCUMENT No. 1394992 REFERENCED IN THE LEGAL DESCRIPTION CONTAINED HEREIN. REFERENCE IS HEREBY MADE TO SAID PLAT FOR PARTICULARS.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(11) EASEMENTS, DEDICATIONS, RESERVATIONS, PROVISIONS, RELINQUISHMENTS, RECITALS, CERTIFICATES, AND ANY OTHER MATTERS AS PROVIDED FOR OR DELINEATED ON CERTIFIED SURVEY MAP No. 3122, RECORDED MARCH 06, 1979 IN VOLUME 12, PAGES 158–160 AS DOCUMENT No. 1612599 REFERENCED IN THE LEGAL DESCRIPTION CONTAINED HEREIN. REFERENCE IS HEREBY MADE TO SAID PLAT FOR PARTICULARS.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

AFFIDAVIT RECORDED AUGUST 04, 1980 IN VOLUME 2095, PAGE 42 AS DOCUMENT No. 1673441.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(12) EASEMENTS, DEDICATIONS, RESERVATIONS, PROVISIONS, RELINQUISHMENTS, RECITALS, CERTIFICATES, AND ANY OTHER MATTERS AS PROVIDED FOR OR DELINEATED ON CERTIFIED SURVEY MAP No. 15501, RECORDED SEPTEMBER 21, 2020 IN VOLUME 111, PAGES 318–322 AS DOCUMENT No. 5639292 REFERENCED IN THE LEGAL DESCRIPTION CONTAINED HEREIN. REFERENCE IS HEREBY MADE TO SAID PLAT FOR PARTICULARS.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(13) LIMITATIONS IMPOSED UPON INGRESS TO AND EGRESS FROM THE ABOVE DESCRIBED PREMISES TO PORTIONS OF THE STATE TRUNK HIGHWAY INCLUDING RAMPS AND CONNECTION ROADS ON THE RIGHT OF WAY THEREOF, AS SET FORTH IN A FINDING, DETERMINATION AND DECLARATION BY THE STATE HIGHWAY COMMISSION OF WISCONSIN, RECORDED: MARCH 21, 1956 VOLUME 289 OF RECORDS, PAGE 379, DOCUMENT No. 914740 WHEREIN SAID HIGHWAY IS DESIGNATED A CONTROLLED–ACCESS HIGHWAY UNDER THE PROVISIONS OF SECTION 84.25 OF THE WISCONSIN STATUTES.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(14) LIMITATIONS IMPOSED UPON INGRESS TO AND EGRESS FROM THE ABOVE DESCRIBED PREMISES TO PORTIONS OF THE STATE TRUNK HIGHWAY INCLUDING RAMPS AND CONNECTION ROADS ON THE RIGHT OF WAY THEREOF, AS SET FORTH IN A FINDING, DETERMINATION AND DECLARATION BY THE STATE HIGHWAY COMMISSION OF WISCONSIN, RECORDED: JUNE 23, 1958 VOLUME 319 OR RECORDS, PAGE 362, DOCUMENT No. 960048 WHEREIN SAID HIGHWAY IS DESIGNATED A CONTROLLED–ACCESS HIGHWAY UNDER THE PROVISIONS OF SECTION 84.25 OF THE WISCONSIN STATUTES.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(15) TERMS, CONDITIONS, RESTRICTIONS AND PROVISIONS RELATING TO THE USE AND MAINTENANCE OF THE EASEMENT AGREEMENT RECORDED ON JULY 25, 1974 IN VOLUME 524, PAGE 706, AS DOCUMENT No. 1405112.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(16) COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN WARRANTY DEED RECORDED IN DECEMBER 20, 1976 IN VOLUME 757, PAGE 459 AS DOCUMENT No. 1499413 OF OFFICIAL RECORDS, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3640(c).
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(17) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED NOVEMBER 10, 1978, RECORDED/FILED FEBRUARY 01, 1979 IN VOLUME 1035, AS DOCUMENT No. 1609320.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(18) GAS LINE EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JULY 18, 1979. RECORDED/FILED SEPTEMBER 21, 1979 IN VOLUME 1100, PAGE 152 AS DOCUMENT No. 1641095.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(19) GAS LINE EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JULY 23, 1979, RECORDED SEPTEMBER 21, 1979 IN VOLUME 1100, PAGE 155 AS DOCUMENT No. 1641096.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(20) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JULY 23, 1979, RECORDED/FOLED SEPTEMBER 21, 1979 IN VOLUME 1100, PAGE 161 AS DOCUMENT No. 1644097.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(21) GAS LINE EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED NOVEMBER 21, 1979, RECORDED/FILED JANUARY 02, 1980 IN VOLUME 1521, PAGE 40 AS DOCUMENT No. 1653628.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(22) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JUNE 29, 1982, RECORDED/FILED AUGUST 25, 1982 IN VOLUME 3801, PAGE 65 AS DOCUMENT No. 1749904.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(23) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED APRIL 22, 1985, RECORDED/FILED MAY 30, 1985 IN VOLUME 6840, PAGE 3 AS DOCUMENT No. 1881718.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(24) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED JUNE 13, 1985, RECORDED/FILED JULY 15, 1985 IN VOLUME 7009, PAGE 69 AS DOCUMENT No. 1888902.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(25) RESOLUTION R–119–89 RECORDED DECEMBER 05, 1989 IN VOLUME 13615, PAGE 32 AS DOCUMENT No. 21750963.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(26) COVENANTS, CONDITIONS AND RESTRICTIONS AS SET FORTH IN QUIT CLAIM DEED RECORDED IN DECEMBER 05, 1989 IN VOLUME 13615, PAGE 35 AS DOCUMENT No. 2175097 OF OFFICIAL RECORDS, BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILIAL STATUS OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE 42 USC 3640(c).
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(27) TERMS, CONDITIONS, RESTRICTIONS AND PROVISIONS RELATING TO THE USE AND MAINTENANCE OF THE AGREEMENT FOR ACCESS RECORDED ON SEPTEMBER 18, 1991 IN VOLUME 16741, PAGE 35, AS DOCUMENT No. 2289975.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(28) DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS UPON THE TERMS, CONDITIONS AND PROVISIONS CONTAINED THEREIN: DATED: AUGUST 21, 2001; PARTIES: THERMO NICOLET CORPORATION, A WISCONSIN CORPORATION; RECORDED: AUGUST 22, 2001; INSTRUMENT No.: 3364748.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(29) GAS LINE EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED DECEMBER 19, 2001, RECORDED/FILED FEBRUARY 06, 2002 AS DOCUMENT No. 3442430.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.

(30) UTILITY EASEMENT TO MADISON GAS AND ELECTRIC COMPANY, A WISCONSIN CORPORATION, DATED NOVEMBER 12, 2007, RECORDED/FILED DECEMBER 19, 2007 AS DOCUMENT No. 4382364.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(31) TRANSPORTATION PROJECT PLAT No.: 1206–07–25–4.03 RECORDED SEPTEMBER 19, 2014 AS DOCUMENT No. 5099030.
MODIFICATION AND/OR AMENDMENT BY INSTRUMENT: TRANSPORTATION PROJECT PLAT No.: 1206–07–25–4.03 AMENDMENT No. 1; RECORDING INFORMATION: AUGUST 04, 2015 AS DOCUMENT No. 5173696.
AFFIDAVIT OF CORRECTION TRANSPORTATION PROJECT PLAT RECORDED AUGUST 18, 2015 AS DOCUMENT No. 2177558.
AFFIDAVIT OF CORRECTION TRANSPORTATION PROJECT PLAT RECORDED APRIL 14, 2016 AS DOCUMENT No. 5226989.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(32) TRANSPORTATION PROJECT PLAT No.: 1206–07–25–4.04 RECORDED SEPTEMBER 19, 2014 AS DOCUMENT No. 5099036.
MODIFICATION AND/OR AMENDMENT BY INSTRUMENT: TRANSPORTATION PROJECT PLAT No.: 1206–07–25–4.04 AMENDMENT No. 2; RECORDING INFORMATION: SEPTEMBER 10, 2015 AS DOCUMENT No. 5183077.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(33) PRIVATE STORM WATER EASEMENT AGREEMENT UPON THE TERMS, CONDITIONS AND PROVISIONS CONTAINED THEREIN: DATED: AUGUST 05, 2020; PARTIES: THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC, A DELAWARE LIMITED LIABILITY COMPANY, SUCCESSOR–IN–INTEREST TO THERMO NICOLET CORPORATION, A DELAWARE CORPORATION AND BSH STORAGE FITCHBURG LLC, A COLORADO LIMITED COMPANY; RECORDED: AUGUST 07, 2020; INSTRUMENT No.: 5622354.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(34) UTILITY EASEMENT TO THERMO ELECTRON SCIENTIFIC INSTRUMENTS LLC, DATED SEPTEMBER 11, 2020, RECORDED/FILED SEPTEMBER 21, 2020 AS DOCUMENT No. 5639291.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(35) TERMS, CONDITIONS, RESTRICTIONS AND PROVISIONS RELATING TO THE USE AND MAINTENANCE OF THE SIGN AND ELECTRIC EASEMENT AGREEMENT RECORDED ON JUNE 04, 2021, AS DOCUMENT No. 5736397.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.

(36) RIGHTS OF TENANTS IN POSSESSION UNDER UNRECORDED LEASES.
THIS ITEM MAY AFFECT THE SUBJECT PROPERTY AND IS NOT A SURVEY ISSUE.

NOTES

1. FIELD WORK PERFORMED ON AUGUST 18, 20, 24, 25, AND 27, 2021.
2. BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE. THE NORTH LINE OF THE SOUTHEAST QUARTER OF SECTION 06–06–09, BEARS S87°52'53"E.
3. SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE LOCATE TICKET NO. 20213313176 AND 20213313224, WITH A CLEAR DATE OF AUGUST 16, 2021, AND DIGGER'S HOTLINE MAPPING TICKET NO. 20213313186 AND 20213313242, WITH A CLEAR DATE OF AUGUST 21, 2021.
4. UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
   ALLIANT ENERGY; AMERICAN TRANSMISSION; CHARTER COMMUNICATIONS; MADISON GAS & ELEC; WINDSTREAM; EXTENET SYSTEMS; CITY OF FITCHBURG; CITY OF MADISON ENG; WISCONSIN DOT; WIN, LLC; CCI SYSTEMS, INC; AT&T; CENTURYLINK; MCI
5. BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.

LEGAL DESCRIPTION

(FIRST AMERICAN TITLE INSURANCE COMPANY, FILE No.: NCS–1106962, COMMITMENT DATE: JANUARY 05, 2022 AT 7:30 A.M.)

LOT 1 OF CERTIFIED SURVEY MAP NO. 15501, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS FOR DANE COUNTY, WISCONSIN ON SEPTEMBER 21, 2020, IN VOLUME 111, PAGES 318–322 AS DOCUMENT No. 5639292, BEING PARTS OF LOTS 1 AND 2 OF CERTIFIED SURVEY MAP 3122, LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, AND PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 6, TOWNSHIP 6 NORTH, RANGE 9 EAST, IN THE CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

TAX KEY NO: 255/0609–064–8015–2

SURVEYOR'S CERTIFICATE

TO:
i) U.S. BANCORP COMMUNITY DEVELOPMENT CORPORATION, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR RESPECTIVE INTERESTS MAY APPEAR,
ii) TWAIN INVESTMENT FUND 611, LLC, ITS SUCCESSORS AND/OR ASSIGNS AS THEIR RESPECTIVE INTERESTS MAY APPEAR,
iii) BOYS AND GIRLS CLUB OF DANE COUNTY, INC., ITS SUCCESSORS AND/OR ASSIGNS AS THEIR RESPECTIVE INTERESTS MAY APPEAR,
iv) FORWARD COMMUNITY INVESTMENTS, INC.,
v) COMMUNITY BENEFIT SUB–CDE 20, LLC, ITS SUCCESSORS AND ASSIGNS, AS THEIR INTERESTS MAY APPEAR,
vi) USBCDE SUB–CDE 227, LLC, ITS SUCCESSORS AND ASSIGNS, AS THEIR INTERESTS MAY APPEAR,
vii) USBCDE, LLC,
viii) McSKILL & TRADE LLC,
ix) FIRST AMERICAN TITLE INSURANCE COMPANY,

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS AND INCLUDES ITEMS 1, 2, 3, 4, 6(a), 6(b), 8, 9, 10, 11(a), 13, 14, 16, 17, 18, 20(a), 20(b), 20(c) AND 20(d) OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON AUGUST 27, 2021.

JOHN KREBS, S–1878
PROFESSIONAL LAND SURVEYOR
Email: john.krebs@jsdinc.com
Website: www.jsdinc.com

DATE

WISCONSIN JOHN KREBS S–1878 McFARLAND, WISCONSIN LAND SURVEYOR

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

CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST., SUITE 100
MADISON, WI 53703

PROJECT:
BOYS & GIRLS CLUB/ McKENZIE CENTER

PROJECT LOCATION:
CITY OF FITCHBURG
DANE COUNTY, WISCONSIN

north
SCALE IN FEET
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PLAN MODIFICATIONS:

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Design/Drawn: **JK 12/28/21**
Approved: **INIT 00/00/00**

SHEET TITLE:
ALTA/NSPS LAND TITLE SURVEY

SHEET NUMBER:
1 OF 1

JSD PROJECT NO: 21-10852

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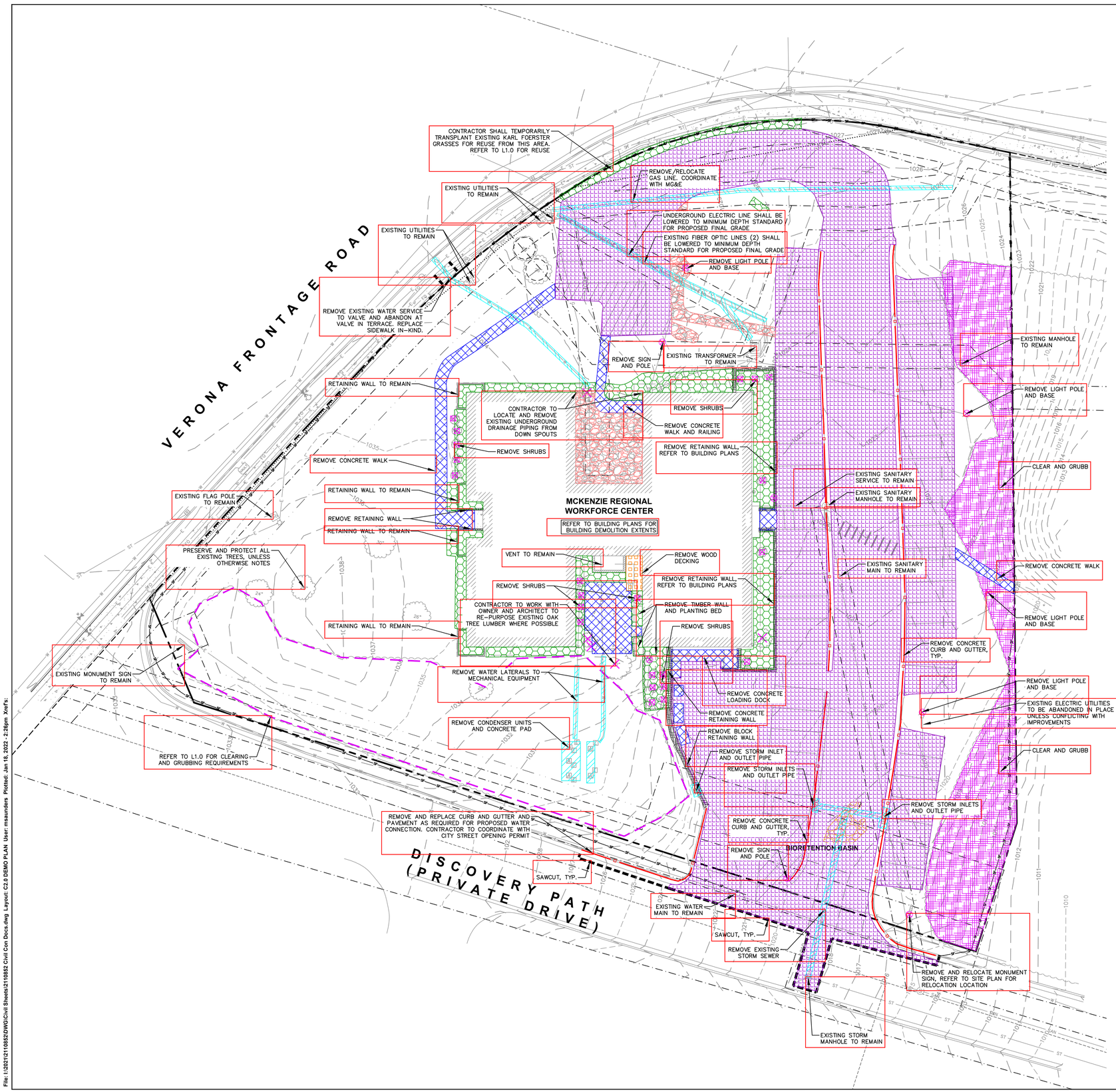

GENERAL NOTES

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

DEMOLITION NOTES

1. THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND REPORTED TO THE ENGINEER OF RECORD. JSD TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
2. CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
3. ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. REFER TO L1.0. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO PROPOSED SUBGRADE.
4. ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
5. ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES, WHICH IS DAMAGED BY THE CONSTRUCTION, OR ANY SIDEWALK AND CURB AND GUTTER THAT THE CITY ENGINEER DETERMINES NEEDS TO BE REPLACED BECAUSE IT IS NOT AT A DESIRABLE GRADE REGARDLESS OF WHETHER THE CONDITION EXISTED PRIOR TO BEGINNING CONSTRUCTION.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
   - 7.1. EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - 7.2. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
   - 7.3. NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
   - 7.4. NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
8. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
9. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
10. CONTRACTOR TO COORDINATE PRIVATE UTILITY REMOVAL / ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
11. ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
12. ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
13. ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
14. EXISTING UNDERGROUND UTILITIES TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING UNDERGROUND UTILITY LOCATIONS.
15. SEWER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 3.2.24, OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF FITCHBURG SPECIFICATIONS.
16. WATER ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 4.14.0 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN WISCONSIN, LATEST ADDITION, AND CITY OF FITCHBURG SPECIFICATIONS.
17. ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
18. BUILDING REMOVALS SHALL BE BY A QUALIFIED CONTRACTOR. CONTRACTOR TO FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURIED ON SITE. IF ENCOUNTERED, ANY CONTAMINATED SOILS SHALL BE REMOVED TO A LANDFILL IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS.
19. CONTRACTOR TO REMOVE EXISTING UTILITY PIPE OR PROVIDE PIPE BACK-FILLING AFTER REMOVAL OF EXISTING UTILITIES WITHIN BUILDING FOOTPRINT USING "LOW DENSITY CONCRETE/FLOWABLE FILL".
20. RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB & GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- DEMOLITION – REMOVAL OF ONSITE CURB SURFACES AND BASE COURSE
- SAWCUT EXISTING PAVEMENT
- DEMOLITION – CLEAR AND GRUBBING
- DEMOLITION – REMOVAL OF RETAINING WALL
- DEMOLITION – REMOVAL OF ASPHALT SURFACES AND BASE
- DEMOLITION – REMOVAL OF CONCRETE SURFACES AND BASE
- DEMOLITION – REMOVAL OF BUILDINGS/STRUCTURES
- DEMOLITION – REMOVAL OF UTILITIES
- DEMOLITION – REMOVAL OF GRAVEL
- DEMOLITION – REMOVAL OF LANDSCAPE VEGETATION, MULCH AND FABRIC
- TREE REMOVAL
- SHRUB REMOVAL
- MISCELLANEOUS ITEM REMOVAL
- PROTECT EXISTING TREE

north

SCALE IN FEET

20' 0 20'

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OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
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Designed By: MSS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C2.0

JSD PROJECT NO: 21-10852

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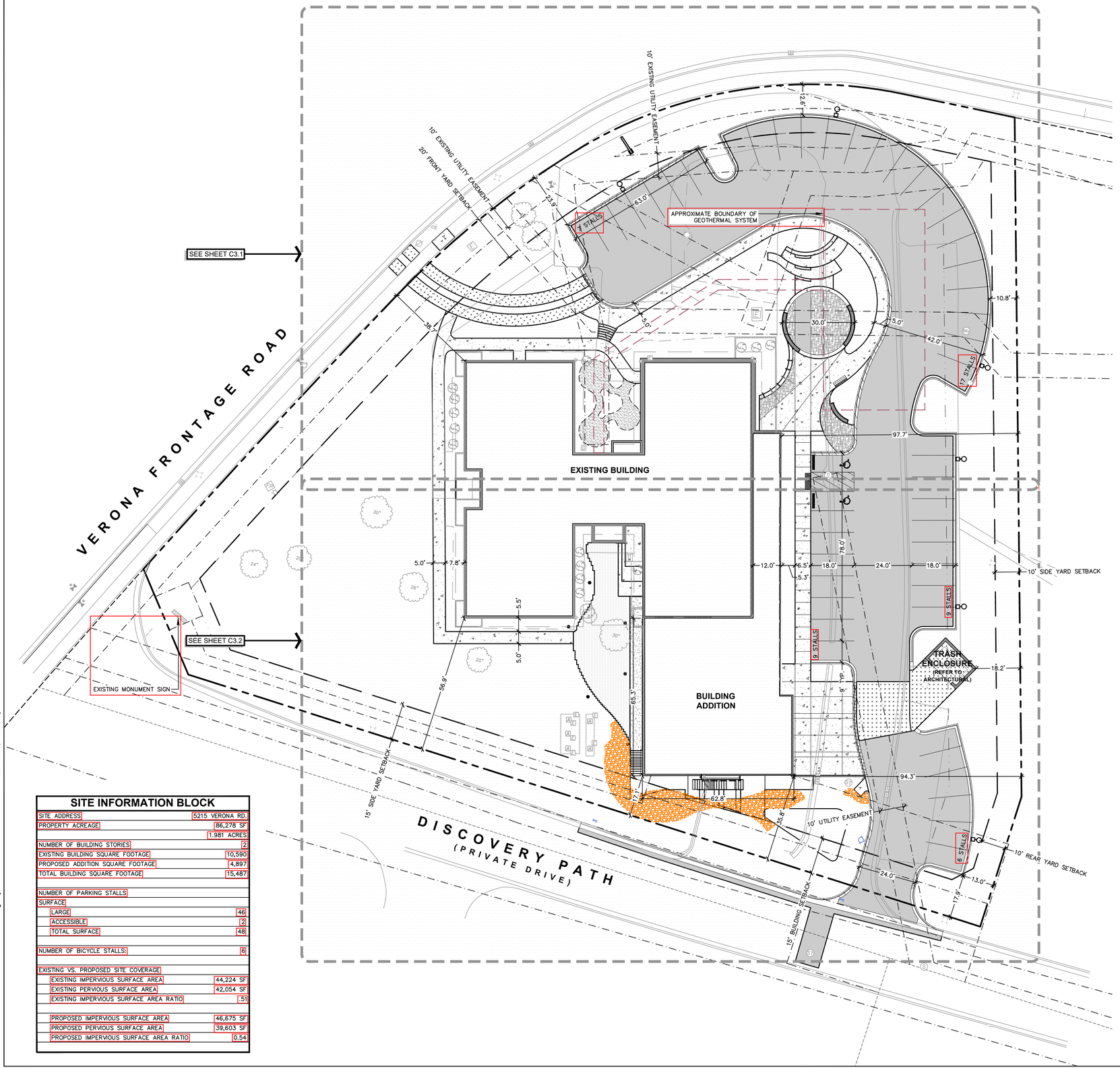

PAVING NOTES

1. GENERAL

1.1. ALL PAVING SHALL CONFORM TO "STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION, LATEST EDITION, APPLICABLE CITY OF FITCHBURG ORDINANCES AND THE GEOTECHNICAL REPORT PREPARED BY CGC DATED SEPTEMBER 9, 2021.

1.2. ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.

1.3. SURFACE PREPARATION – NOTIFY ENGINEER/OWNER OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.

1.4. ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER SHALL MATCH EXISTING AND MEET MUNICIPALITY REQUIREMENTS.

2. ASPHALTIC CONCRETE PAVING SPECIFICATIONS

2.1. CODES AND STANDARDS – THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.

2.2. WEATHER LIMITATIONS – APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE SURFACE COURSE WHEN ATMOSPHERIC TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (–1° C).

2.3. GRADE CONTROL – ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.

2.4. CRUSHED AGGREGATE BASE COURSE – THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS.

2.5. BINDER COURSE AGGREGATE – THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460 AND 315, STATE HIGHWAY SPECIFICATIONS.

2.6. SURFACE COURSE AGGREGATE – THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465, STATE HIGHWAY SPECIFICATIONS.

2.7. ASPHALTIC MATERIALS – THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.

3. CONCRETE PAVING SPECIFICATIONS

3.1. CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.

3.2. CONCRETE PAVEMENT SHALL BE REINFORCED WITH NOVOMESH 950 (OR EQUAL) FIBER REINFORCEMENT AT A RATE OF 5 LBS/CUBIC YARD.

3.3. CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.

3.4. CONTRACTOR SHALL PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS OF ONE–QUARTER CONCRETE THICKNESS AT AN EQUAL RATIO OF LENGTH TO WIDTH WHEREVER POSSIBLE WITH A MAXIMUM LENGTH BETWEEN JOINTS OF 8' ON CENTER.

3.5. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 24' ON CENTER.

3.6. EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.

3.7. ALL CONCRETE SURFACES TO BE SEALED WITH TYPE TK–26UV CONCRETE SEALANT.

4. PAVEMENT MARKING SPECIFICATIONS

4.1. USE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT FOR STALL LINES.

4.2. MARK AND STRIPE ADA PARKING SPACES APPROPRIATELY.

4.3. ALL PAVEMENT MARKINGS INCLUDING: STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, DROP–OFF/PICK–UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.

4.4. TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS.

SITE INFORMATION BLOCK

SITE ADDRESS	5215 VERONA RD.
PROPERTY ACREAGE	86,278 SF
	1.981 ACRES
NUMBER OF BUILDING STORIES	2
EXISTING BUILDING SQUARE FOOTAGE	10,590
PROPOSED ADDITION SQUARE FOOTAGE	4,897
TOTAL BUILDING SQUARE FOOTAGE	15,487
NUMBER OF PARKING STALLS:	
SURFACE	
LARGE	46
ACCESSIBLE	2
TOTAL SURFACE	48
NUMBER OF BICYCLE STALLS:	6
EXISTING VS. PROPOSED SITE COVERAGE	
EXISTING IMPERVIOUS SURFACE AREA	44,224 SF
EXISTING PERVIOUS SURFACE AREA	42,054 SF
EXISTING IMPERVIOUS SURFACE AREA RATIO	.51
PROPOSED IMPERVIOUS SURFACE AREA	46,675 SF
PROPOSED PERVIOUS SURFACE AREA	39,603 SF
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.54

LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING SETBACK LINE
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- 8" CONCRETE RIBBON CURB
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORMWATER MANAGEMENT AREA
- SEAT WALL
- RAILING
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- INPAVEMENT LIGHT FIXTURE
- ADA PARKING SIGN
- ILLUMINATED BOLLARD
- BOLLARD WITH ADA PARKING SIGN
- BIKE RACK

north

SCALE IN FEET

20' 0 20'

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Designed By: MWS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C3.0

JSD PROJECT NO: 21-10852

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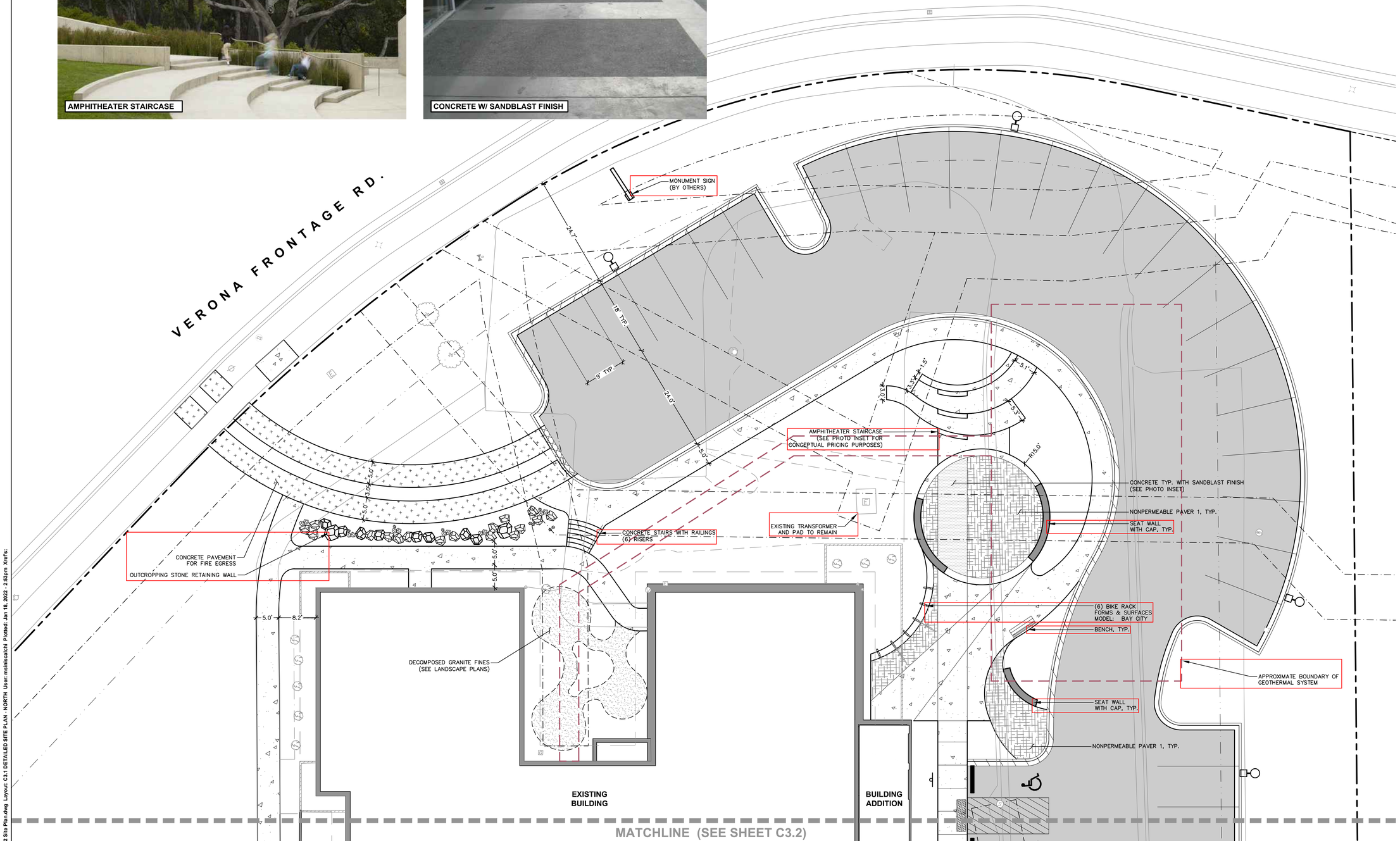
File: I:\2021\21-10852\DWG\Civil Sheets\21-10852 Site Plan.dwg Layout: C3.0 SITE PLAN User: mstrinkalchi Plotted: Jan 18, 2022 - 2:54pm Xref's:

AMPHITHEATER STAIRCASE

CONCRETE W/ SANDBLAST FINISH



north

SCALE IN FEET

10' 0 10'

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File: I:\2021\21085\DWG\Civil Sheets\21085 Site Plan.dwg Layout: C3.1 DETAILED SITE PLAN - NORTH User: mreinkeatchi Plotted: Jan 19, 2022 - 2:53pm Xref's:

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CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
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MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

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Designed By: MWS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

SHEET TITLE:
SITE PLAN - NORTH

SHEET NUMBER:
C3.1

JSD PROJECT NO: 21-10852

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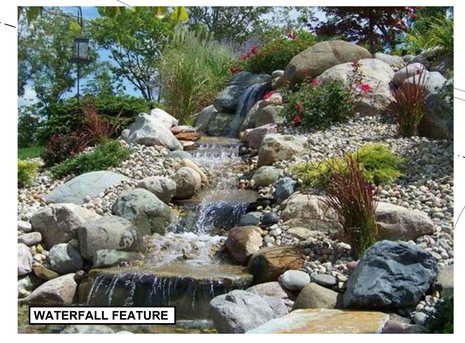
MATCHLINE (SEE SHEET C3.1)

STACKED STEPS

DRY RIVER BED


WATERFALL FEATURE

EXISTING BUILDING

EXISTING BUILDING

STACKED STEPS (SEE PHOTO INSET FOR CONCEPTUAL PRICING PURPOSES)

SURFACE MOUNTED PUCK LIGHT (REFER TO PHOTOMETRIC PLAN)

ILLUMINATED BOLLARD, TYP.

DECORATIVE STONE MULCH (BY ARCHITECT)

5.5'

5.0'

NONPERMEABLE PAVER 2, TO MATCH ROOFTOP PAVER

CONCRETE TYP. WITH SANDBLAST FINISH

ILLUMINATED BOLLARD, TYP.

PROPOSED ROOFTOP PATIO (BY ARCHITECT)

TRASH ENCLOSURE

PERGOLA (BY ARCHITECT)

DRY RIVER BED WITH WATERFALL FEATURE (SEE LANDSCAPE PLANS)

ELEVATED DECK (BY ARCHITECT)

CURB WEIR

MONUMENT STAIRCASE (BY ARCHITECT)

STORMWATER MANAGEMENT AREA

DISCOVERY PATH
(PRIVATE DRIVE)

north

SCALE IN FEET

10' 0 10'

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P. 608.848.5060

CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
2	01.19.2022	MUNICIPAL
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11		
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13		
14		
15		

Designed By: MWS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

SHEET TITLE:
SITE PLAN - SOUTH

SHEET NUMBER:
C3.2

JSD PROJECT NO: 21-10852

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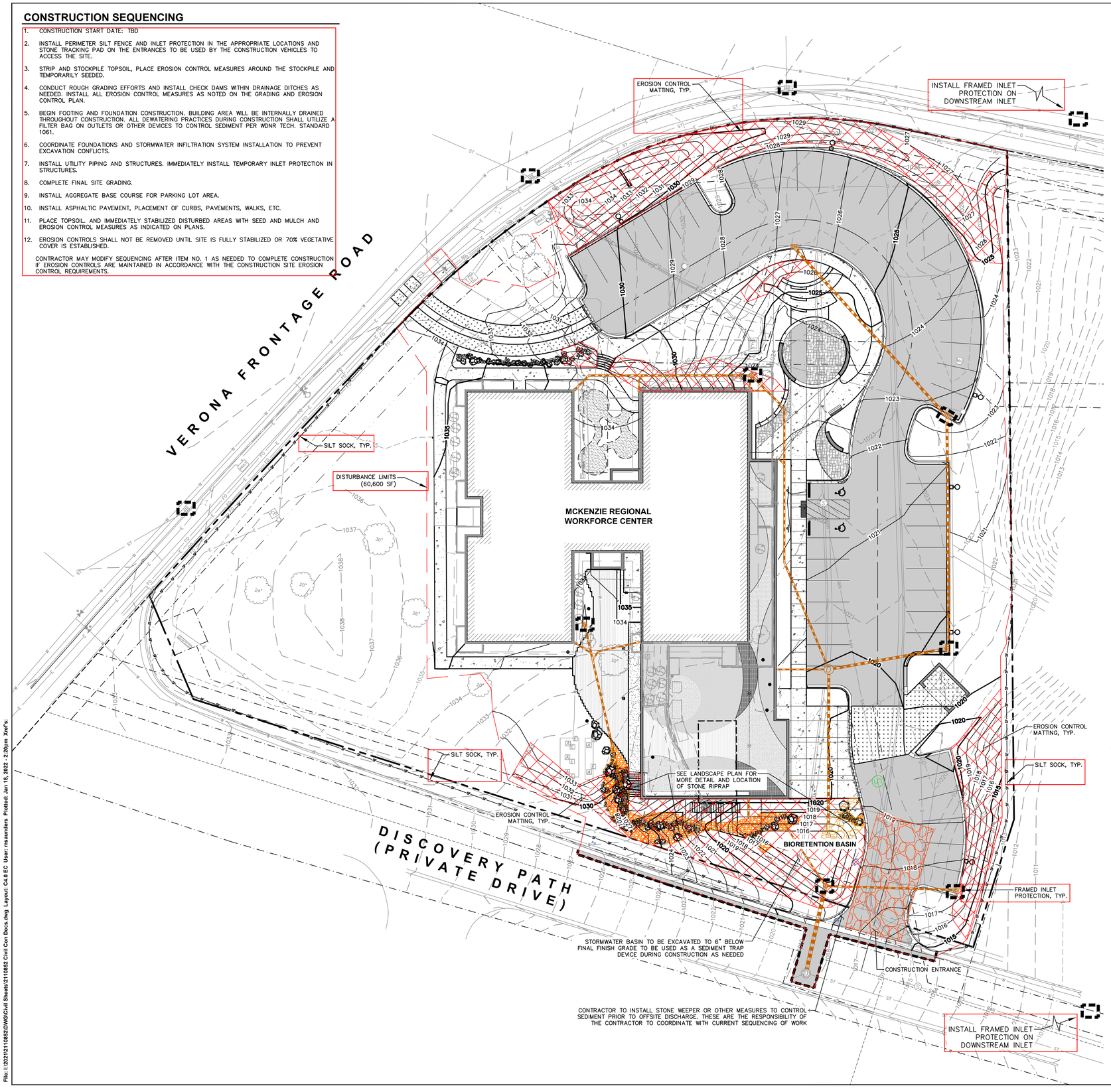
File: I:\2021\21108852\DWG\Civil Sheets\21108852 Site Plan.dwg Layout: C3.2 DETAILED SITE PLAN - SOUTH User: mwinkelchi Plotted: Jan 19, 2022 - 2:53pm Xref's:

CONSTRUCTION SEQUENCING

1. CONSTRUCTION START DATE: TBD
2. INSTALL PERIMETER SILT FENCE AND INLET PROTECTION IN THE APPROPRIATE LOCATIONS AND STONE TRACKING PAD ON THE ENTRANCES TO BE USED BY THE CONSTRUCTION VEHICLES TO ACCESS THE SITE.
3. STRIP AND STOCKPILE TOPSOIL, PLACE EROSION CONTROL MEASURES AROUND THE STOCKPILE AND TEMPORARILY SEEDED.
4. CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE DITCHES AS NEEDED. INSTALL ALL EROSION CONTROL MEASURES AS NOTED ON THE GRADING AND EROSION CONTROL PLAN.
5. BEGIN FOOTING AND FOUNDATION CONSTRUCTION. BUILDING AREA WILL BE INTERNALLY DRAINED THROUGHOUT CONSTRUCTION. ALL DEWATERING PRACTICES DURING CONSTRUCTION SHALL UTILIZE A FILTER BAG ON OUTLETS OR OTHER DEVICES TO CONTROL SEDIMENT PER WDNR TECH. STANDARD 1061.
6. COORDINATE FOUNDATIONS AND STORMWATER INFILTRATION SYSTEM INSTALLATION TO PREVENT EXCAVATION CONFLICTS.
7. INSTALL UTILITY PIPING AND STRUCTURES. IMMEDIATELY INSTALL TEMPORARY INLET PROTECTION IN STRUCTURES.
8. COMPLETE FINAL SITE GRADING.
9. INSTALL AGGREGATE BASE COURSE FOR PARKING LOT AREA.
10. INSTALL ASPHALTIC PAVEMENT, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
11. PLACE TOPSOIL, AND IMMEDIATELY STABILIZED DISTURBED AREAS WITH SEED AND MULCH AND EROSION CONTROL MEASURES AS INDICATED ON PLANS.
12. EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% VEGETATIVE COVER IS ESTABLISHED.

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM NO. 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.



EROSION CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS. ENGINEER OF RECORD AND APPROPRIATE CITY OF FITCHBURG OFFICIALS MUST APPROVE ANY CHANGES PRIOR TO DEVIATION FROM THE APPROVED PLANS.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF FITCHBURG ORDINANCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THESE STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL EROSION CONTROL MEASURES WHICH MAY BE NECESSARY TO MEET UNFORESEEN FIELD CONDITIONS.
3. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE CITY OF FITCHBURG PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY STATE INSPECTORS, LOCAL INSPECTORS, COUNTY INSPECTORS AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
5. INSPECTIONS AND MAINTENANCE OF ALL EROSION CONTROL MEASURES SHALL BE ROUTINE (ONCE PER WEEK MINIMUM) TO ENSURE PROPER FUNCTION OF EROSION CONTROLS AT ALL TIMES. EROSION CONTROL MEASURES ARE TO BE IN WORKING ORDER AT THE END OF EACH WORK DAY.
6. ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5 INCHES. ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
7. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE MUNICIPALITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" CLEAR STONE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT ONTO ADJACENT PUBLIC STREETS AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
8. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEPT AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE CITY OF FITCHBURG.
9. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER AND SILT FENCE SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
10. INSTALL EROSION CONTROLS ON THE DOWNSTREAM SIDE OF STOCKPILES. IF STOCKPILE REMAINS UNDISTURBED FOR MORE THAN SEVEN (7) DAYS, TEMPORARY SEEDING AND STABILIZATION IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES IS REQUIRED. IF DISTURBANCE OCCURS BETWEEN NOVEMBER 15TH AND MAY 15TH, THE MULCHING SHALL BE PERFORMED BY HYDRO-MULCHING WITH A "TACKIFIER."
11. DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/SWALES TO PREVENT SOIL TRANSPORTATION.
12. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
    A. PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
    B. BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
    C. DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
13. ALL SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING OR APPLICATION OF A WISCONSIN DEPARTMENT OF TRANSPORTATION (WisDOT) APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN 7 DAYS OF REACHING FINAL GRADE AND/OR AS SOON AS CONDITIONS ALLOW. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
14. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
15. EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY AT THE SITE HAS BEEN COMPLETED AND THAT A UNIFORM PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED WITH A DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
16. CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR PROPERTY SALE IN ACCORDANCE WITH WDNR REQUIREMENTS.
17. STABILIZATION PRACTICES:
    - 17.1. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
    - 17.2. THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
    - 17.3. CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN FOURTEEN (14) DAYS FROM WHEN ACTIVITY CEASED, (I.E. THE TOTAL TIME PERIOD THAT THE CONSTRUCTION ACTIVITY IS TEMPORARILY CEASED IS LESS THAN FOURTEEN (14) DAYS. IN THAT EVENT, STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY CEASED.
    - 17.4. STABILIZATION MEASURES SHALL BE DETERMINED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION ACTIVITY HAS CEASED, INCLUDING BUT NOT LIMITED TO WEATHER CONDITIONS AND LENGTH OF TIME MEASURE MUST BE EFFECTIVE. THE FOLLOWING ARE ACCEPTABLE STABILIZATION MEASURES:
      - PERMANENT SEEDING; IN ACCORDANCE WITH APPROVED CONSTRUCTION SPECIFICATION
      - TEMPORARY SEEDING; MAY CONSIST OF SPRING OATS(100LBS/ACRE) AND/OR WHEAT OR CEREAL RYE (150LB/ACRE)
      - HYDRO-MULCHING WITH A TACKIFIER
      - GEOTEXTILE EROSION MATTING
      - SODDING

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- 959 PROPOSED 1 FOOT CONTOUR
- 960 PROPOSED 5 FOOT CONTOUR
- 959 EXISTING 1 FOOT CONTOUR
- 960 EXISTING 5 FOOT CONTOUR
- DRAINAGE DIRECTION
- GRADE BREAK
- SILT SOCK
- RIP-RAP
- CONSTRUCTION ENTRANCE
- EROSION MATTING
- DITCH CHECK
- INLET PROTECTION

north

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MADISON, WI 53703

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MCKENZIE REGIONAL WORKFORCE CENTER

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Designed By:	MSS
Reviewed By:	MRH/KYJ
Approved By:	MRH/KYJ

SHEET TITLE:
EROSION CONTROL PLAN

SHEET NUMBER:
C4.0

JSD PROJECT NO: 21-10852

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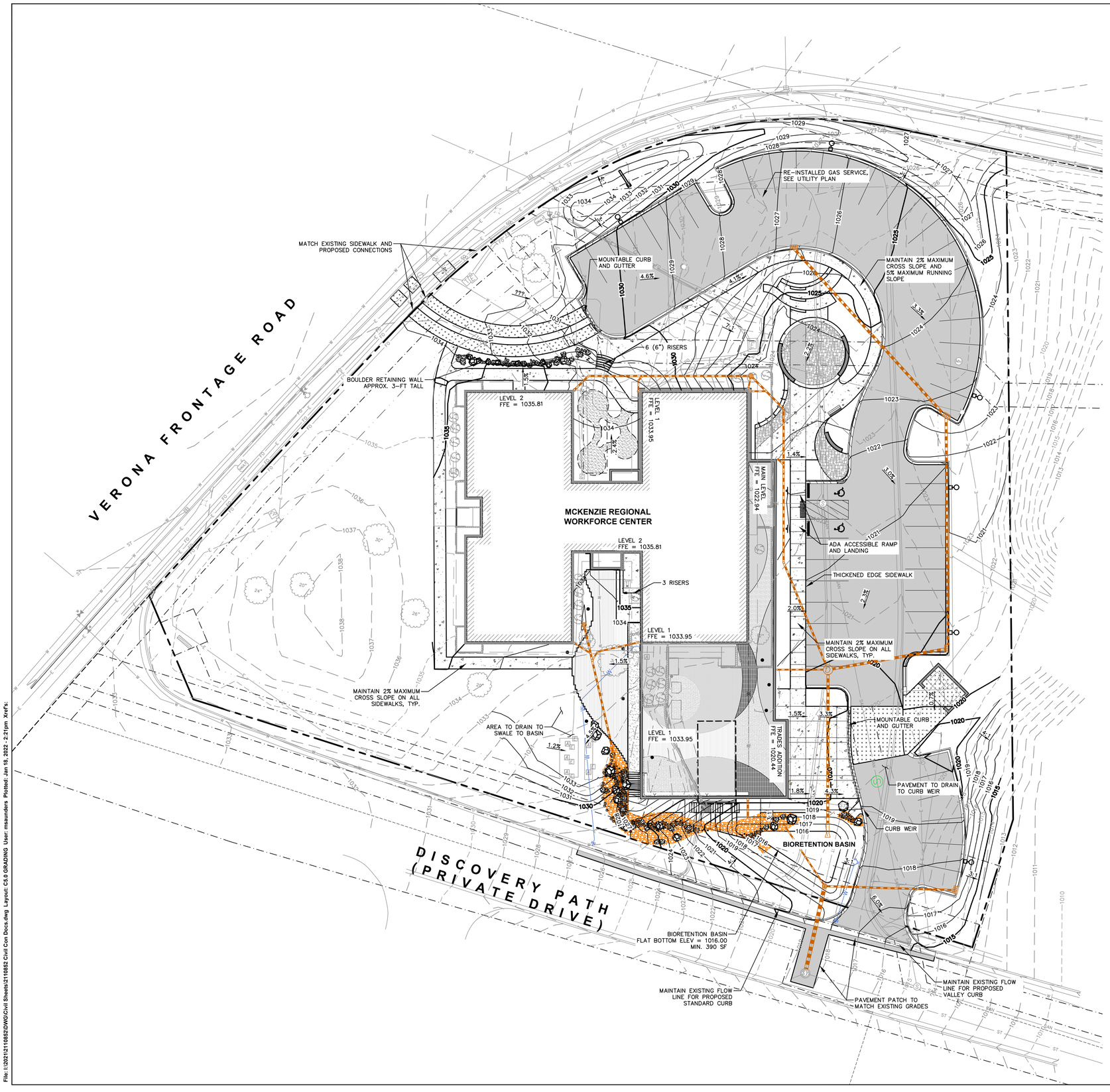
File: I:\2021\21108529\DWG\Civil Sheets\21108529 Civil Con Docs.dwg Layout: C4.0 EC User: msaunders Plotted: Jan 19, 2022 - 2:20pm Xref's:



GRADING AND SEEDING NOTES

1. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL GRADES, MAKE SURE ALL AREAS DRAIN PROPERLY AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPUTATIONS OF ALL GRADING QUANTITIES. WHILE JSD PROFESSIONAL SERVICES, INC. ATTEMPTS TO PROVIDE A COST EFFECTIVE APPROACH TO BALANCE EARTHWORK, GRADING DESIGN IS BASED ON MANY FACTORS, INCLUDING SAFETY, AESTHETICS, AND COMMON ENGINEERING STANDARDS OF CARE. THEREFORE, NO GUARANTEE CAN BE MADE FOR A BALANCED SITE.
3. PARKING LOT AND DRIVEWAY ELEVATIONS ARE PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS OTHERWISE NOTED.
4. ANY WORK WITHIN RIGHT-OF-WAY SHALL BE PROPERLY PERMITTED AND COORDINATED WITH THE APPROPRIATE OFFICIALS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. ALL GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS.
5. CONTRACTOR SHALL PROVIDE NOTICE TO THE MUNICIPALITY IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
6. ALL DISTURBED AREAS SHALL BE SODDED AND/OR SEEDED AND MULCHED IMMEDIATELY FOLLOWING GRADING ACTIVITIES. SOD/SEED MIX TO BE IN ACCORDANCE WITH LANDSCAPE PLAN.
7. CONTRACTOR SHALL CHISEL-PLOW OR DEEP TILL WITH DOUBLE TINES ALL STORMWATER MANAGEMENT FACILITIES JUST PRIOR TO SODDING AND/OR SEEDING AND MULCHING TO PROMOTE INFILTRATION.
8. CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDED AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7 DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
9. CONTRACTOR TO DEEP TILL ALL COMPACTED PERVIOUS SURFACES PRIOR TO SODDING AND/OR SEEDING AND MULCHING.
10. ALL SLOPES 20% OR GREATER SHALL BE TEMPORARY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE.
11. ALL EXPOSED SOIL AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE OR ON WHICH LAND DISTURBING ACTIVITIES WILL NOT BE PERFORMED FOR A PERIOD GREATER THAN 30 DAYS AND REQUIRE VEGETATIVE COVER FOR LESS THAN 1 YEAR, REQUIRE TEMPORARY SEEDING FOR EROSION CONTROL. SEEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH WDNR TECHNICAL STANDARD 1059 AND CITY OF FITCHBURG ORDINANCE.

STORMWATER FACILITIES CONSTRUCTION NOTES

1. ENGINEER SHALL BE NOTIFIED PRIOR TO INSTALLATION OF STORMWATER MANAGEMENT FACILITIES. CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES SHALL BE OBSERVED AND DOCUMENTED BY THE ENGINEER, OR AN OWNER'S REPRESENTATIVE.
2. STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AFTER SUBSTANTIAL COMPLETION OF FINAL SITE GRADING AND SOILS HAVE BEEN STABILIZED.
3. AREAS USED FOR TEMPORARY SEDIMENT BASINS SHALL BE REMOVED IN THEIR ENTIRETY AFTER CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES.
4. CONSTRUCTION TRAFFIC, HEAVY EQUIPMENT AND SOIL STOCKPILES SHALL NOT BE PLACED IN AREAS WHERE PROPOSED STORMWATER MANAGEMENT FACILITIES ARE LOCATED.
5. NATIVE SOIL INFILTRATION RATES BELOW STORMWATER FACILITIES SHALL BE VERIFIED BY THE OWNER'S GEOTECHNICAL ENGINEER PRIOR INSTALLATION OF FACILITIES. NATIVE SOIL INFILTRATION RATES SHALL BE EQUAL TO OR GREATER THAN DESIGN INFILTRATION RATES.
6. NATIVE SOILS SHALL BE BLENDED A MINIMUM OF TWO FEET PRIOR TO INSTALLATION OF STORMWATER INFILTRATION FACILITIES TO BREAKUP ANY LOWER PERMEABILITY SEAMS THAT MAY BE PRESENT.
7. THICKER SILT OR CLAY LAYERS SHALL BE OVER-EXCAVATED AND BACKFILLED WITH GRANULAR MATERIALS CONFORMING TO SPECIFICATIONS PER WDNR TECH STANDARD 1004.

LEGEND

- PROPERTY LINE
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- DRAINAGE DIRECTION
- GRADE BREAK

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20' 0 20'

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Designed By:	MSS
Reviewed By:	MRH/KYJ
Approved By:	MRH/KYJ

SHEET TITLE:
OVERALL GRADING PLAN

SHEET NUMBER:
C5.0

JSD PROJECT NO: 21-10852

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LEGEND

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- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORMWATER MANAGEMENT AREA
- RETAINING WALL
- SANITARY SEWER
- WATERMAIN
- STORM SEWER

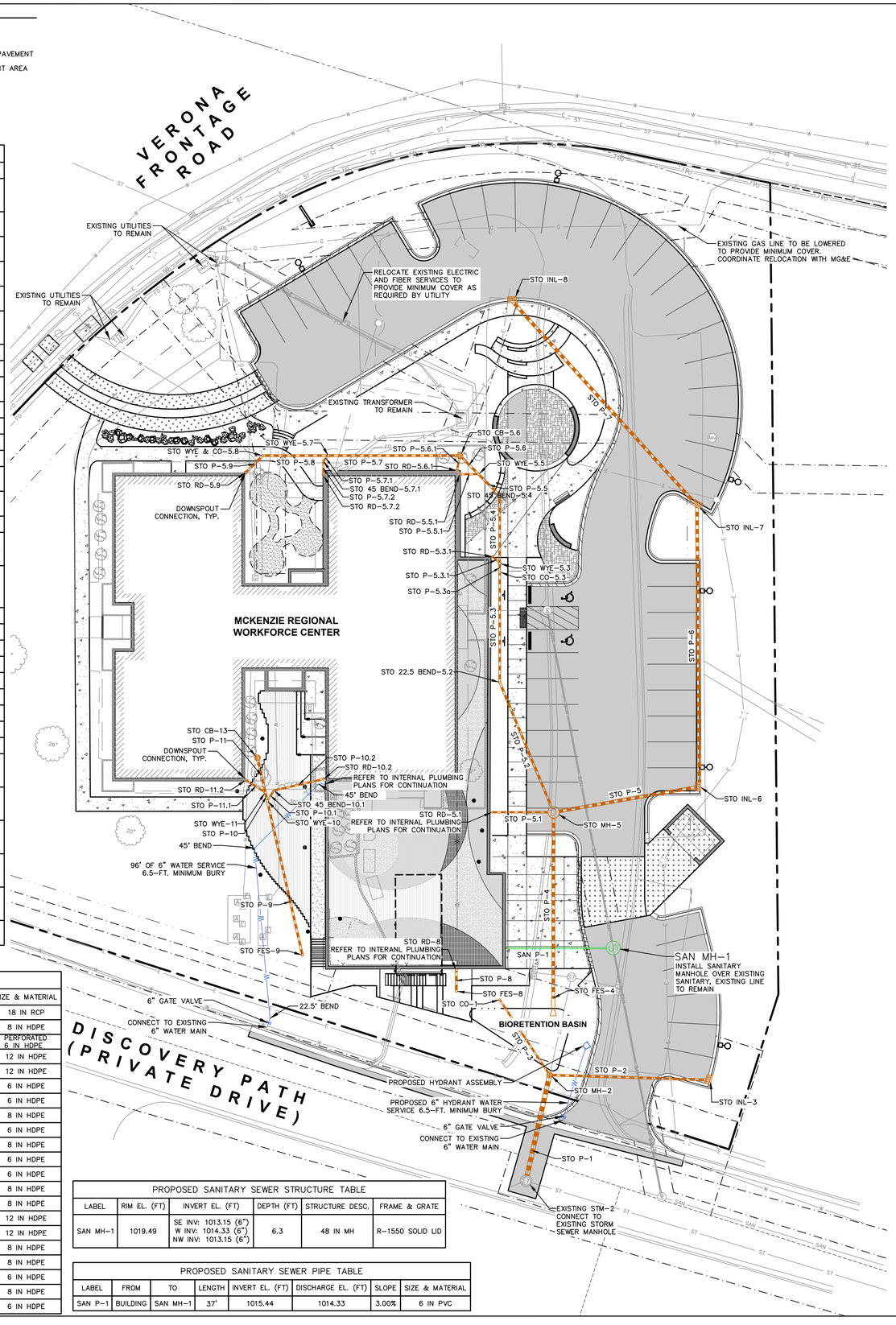
PROPOSED STROM SEWER STRUCTURE TABLE

LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
EXISTING STM-2	1018.46	EX E INV: 1013.79 (12") N INV: 1013.79 (18") SW INV: 1013.95 (12")	4.7	48 IN MH (FLAT)	R-1550 SOLID LID
STO 22.5 BEND-5.2	1019.56	SE INV: 1018.81 (8") N INV: 1018.81 (8")	-	-	-
STO 45 BEND-5.4	1020.86	S INV: 1020.11 (8") NW INV: 1020.11 (8")	-	-	-
STO 45 BEND-5.7.1	1027.01	NE INV: 1026.44 (6") S INV: 1026.44 (6")	-	-	-
STO 45 BEND-10.1	1031.28	S INV: 1030.71 (6") NE INV: 1030.71 (6")	-	-	-
STO CB-5.6	1023.17	SE INV: 1020.50 (8") W INV: 1021.06 (8") S INV: 1021.23 (6")	2.7	24 IN NYLOPLAST DB	DOME
STO CB-13	1032.75	SE INV: 1030.54 (8")	2.2	24 IN NYLOPLAST DB	DOME
STO CO-1	1014.57	SE INV: 1014.00 (6")	-	-	-
STO CO-5.3	1020.33	S INV: 1019.58 (8") N INV: 1019.58 (8")	-	-	-
STO FES-4	1017.35	N INV: 1016.25 (12")	-	12 IN HDPE FES	-
STO FES-8	1019.00	N INV: 1018.25 (8")	-	8 IN HDPE FES	-
STO FES-9	1030.75	NW INV: 1030.00 (8")	-	8 IN HDPE FES	-
* STO INL-3	1017.14	W INV: 1014.83 (8")	2.3	2 x 3 INLET	R-3067 TYPE R
STO INL-6	1019.88	SW INV: 1017.28 (12") N INV: 1017.38 (12")	2.6	2 x 3 INLET	R-3067 TYPE R
STO INL-7	1022.56	S INV: 1018.60 (12") NW INV: 1018.70 (12")	4.0	2 x 3 INLET	R-3067 TYPE R
STO INL-8	1026.63	SE INV: 1022.53 (12")	4.1	2 x 3 INLET	R-3067 TYPE L
STO MH-2	1017.00	S INV: 1013.98 (18") E INV: 1014.55 (8") NW INV: 1014.00 (6")	3.0	36 IN MH (FLAT)	HAALA IND. CG36TM
** STO MH-5	1019.86	S INV: 1016.80 (12") W INV: 1018.00 (6") NE INV: 1016.90 (12") NW INV: 1017.83 (8")	6.1	48 IN MH (FLAT)	R-1550 SOLID LID
STO RD-5.1	1018.78	E INV: 1018.21 (6")	-	-	-
STO RD-5.3.1	1020.35	SE INV: 1019.79 (6")	-	-	-
STO RD-5.5.1	1021.10	E INV: 1020.53 (6")	-	-	-
STO RD-5.6.1	1021.90	N INV: 1021.34 (6")	-	-	-
STO RD-5.7.2	1027.11	N INV: 1026.54 (6")	-	-	-
STO RD-5.9	1030.65	NE INV: 1029.90 (8")	-	-	-
STO RD-8	1019.07	S INV: 1018.32 (8")	-	-	-
STO RD-10.2	1031.72	SW INV: 1031.15 (6")	-	-	-
STO RD-11.2	1031.39	E INV: 1030.82 (6")	-	-	-
STO WYE-5.3	1020.39	S INV: 1019.64 (8") N INV: 1019.64 (8") NW INV: 1019.72 (6")	-	-	-
STO WYE-5.5	1021.07	SE INV: 1020.32 (8") NW INV: 1020.32 (8") W INV: 1020.40 (6")	-	-	-
STO WYE-5.7	1027.06	E INV: 1026.30 (8") W INV: 1026.30 (8") SW INV: 1026.39 (6")	-	-	-
STO WYE-10	1031.18	SE INV: 1030.43 (8") NW INV: 1030.43 (8") N INV: 1030.60 (6")	-	-	-
STO WYE-11	1031.20	SE INV: 1030.45 (8") NW INV: 1030.45 (8") W INV: 1030.62 (6")	-	-	-
STO WYE & CO-5.8	1029.69	E INV: 1028.94 (8") SW INV: 1028.94 (8")	-	-	-

NOTE: INLET RIMS ARE TO FLOW LINE
* STRUCTURE TO RECEIVE OIL AND GREASE INSERT
** STRUCTURE TO HAVE 3' SUMP

PROPOSED STORM SEWER PIPE TABLE

LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
STO P-1	STO MH-2	EXISTING STM-2	38'	1013.98	1013.79	0.50%	18 IN RCP
STO P-2	STO INL-3	STO MH-2	56'	1014.83	1014.55	0.50%	8 IN HDPE
STO P-3	STO CO-1	STO MH-2	31'	1014.00	1014.00	0.00%	PERFORATED 6 IN HDPE
STO P-4	STO MH-5	STO FES-4	65'	1016.80	1016.25	0.85%	12 IN HDPE
STO P-5	STO INL-6	STO MH-5	51'	1017.28	1016.90	0.73%	12 IN HDPE
STO P-5.1	STO RD-5.1	STO MH-5	21'	1018.21	1018.00	1.00%	6 IN HDPE
STO P-5.5.1	STO RD-5.5.1	STO WYE-5.5	7'	1020.53	1020.40	2.00%	6 IN HDPE
STO P-5.6	STO CB-5.6	STO WYE-5.5	9'	1020.50	1020.32	2.00%	8 IN HDPE
STO P-5.6.1	STO RD-5.6.1	STO CB-5.6	5'	1021.34	1021.23	2.00%	6 IN HDPE
STO P-5.7	STO WYE-5.7	STO CB-5.6	46'	1026.30	1021.06	11.50%	8 IN HDPE
STO P-5.7.1	STO 45 BEND-5.7.1	STO WYE-5.7	3'	1026.44	1026.39	2.00%	6 IN HDPE
STO P-5.7.2	STO RD-5.7.2	STO 45 BEND-5.7.1	5'	1026.54	1026.44	2.00%	6 IN HDPE
STO P-5.8	STO WYE & CO-5.8	STO WYE-5.7	23'	1028.94	1026.30	11.50%	8 IN HDPE
STO P-5.9	STO RD-5.9	STO WYE & CO-5.8	8'	1029.90	1028.94	11.50%	8 IN HDPE
STO P-6	STO INL-7	STO INL-6	98'	1018.60	1017.38	1.25%	12 IN HDPE
STO P-7	STO INL-8	STO INL-7	96'	1022.53	1018.70	4.00%	12 IN HDPE
STO P-8	STO RD-8	STO FES-8	7'	1018.32	1018.25	1.00%	8 IN HDPE
STO P-9	STO WYE-10	STO FES-9	55'	1030.43	1030.00	0.78%	8 IN HDPE
STO P-10.1	STO 45 BEND-10.1	STO WYE-10	4'	1030.71	1030.60	2.50%	6 IN HDPE
STO P-11	STO CB-13	STO WYE-11	12'	1030.54	1030.45	0.73%	8 IN HDPE
STO P-11.1	STO RD-11.2	STO WYE-11	8'	1030.82	1030.62	2.50%	6 IN HDPE



PROPOSED SANITARY SEWER STRUCTURE TABLE

LABEL	RIM EL. (FT)	INVERT EL. (FT)	DEPTH (FT)	STRUCTURE DESC.	FRAME & GRATE
SAN MH-1	1019.49	SE INV: 1013.15 (6") W INV: 1014.33 (6") NW INV: 1013.15 (6")	6.3	48 IN MH	R-1550 SOLID LID

PROPOSED SANITARY SEWER PIPE TABLE

LABEL	FROM	TO	LENGTH	INVERT EL. (FT)	DISCHARGE EL. (FT)	SLOPE	SIZE & MATERIAL
SAN P-1	BUILDING	SAN MH-1	37'	1015.44	1014.33	3.00%	6 IN PVC

UTILITY NOTES

1. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

2. PRIOR TO CONSTRUCTION, THE PRIME CONTRACTOR IS RESPONSIBLE FOR:
EXAMINING ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
   - OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS, AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY.
   - VERIFYING ALL ELEVATIONS, LOCATIONS AND SIZES OF SANITARY, WATER AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS. NOTIFY ENGINEER OF ANY DISCREPANCY. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED.
   - NOTIFYING ALL UTILITIES PRIOR TO INSTALLATION OF ANY UNDERGROUND IMPROVEMENTS.
   - NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
   - COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.

3. ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN – AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.

4. SPECIFICATIONS SHALL COMPLY WITH THE CITY OF FITCHBURG SPECIAL PROVISIONS.

5. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

6. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.

7. CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVER NIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.

8. CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT ALL UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH THE FINISHED GRADES OF THE AREAS EFFECTED BY THE CONSTRUCTION.

9. THE PRIME CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION WITH OTHER CONTRACTORS INVOLVED WITH CONSTRUCTION OF THE PROPOSED DEVELOPMENT AND FOR REPORTING ANY ERRORS OR DISCREPANCIES BETWEEN THESE PLANS AND PLANS PREPARED BY OTHERS.

10. ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES, WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.

12. STORM SEWER SPECIFICATIONS –

    PIPE – REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTM CLASS III (MINIMUM) C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTM C-443. HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M-294 TYPE "S". POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D3034 OR ASTM D1785 AND SPS 384.30(2) AND (3). ALL PVC PIPING EXTENDING ABOVE GRADE SHALL BE "SCHEDULE 40" OR GREATER. ALL PVC BELOW GRADE SHALL BE "SDR-35" OR "SDR-26".

    INLETS – INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE. NO. 28 OF THE "STANDARD SPECIFICATIONS", OR APPROVED EQUAL WITH A 1'-8" X 2'-6" MAXIMUM OPENING. CURB FRAME & GRATE SHALL BE PER PLANS.

    BACKFILL AND BEDDING – STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".

    MANHOLE FRAMES AND COVERS – MANHOLE FRAMES AND COVERS SHALL BE PER PLANS.

    FIELD TILE CONNECTION – ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER. TILE LINES CROSSED BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.

13. SANITARY SEWER SPECIFICATIONS –

    PIPE – SANITARY SEWER PIPE MATERIAL SHALL BE POLYVINYL CHLORIDE (PVC) MEETING REQUIREMENTS OF ASTM D 3034, SDR-35, WITH INTEGRAL BELL TYPE FLEXIBLE ELASTOMERIC JOINTS, MEETING THE REQUIREMENTS OF ASTM D-3212.

    BEDDING AND COVER MATERIAL – BEDDING AND COVER MATERIAL SHALL CONFORM TO THE APPROPRIATE SECTIONS OF THE "STANDARD SPECIFICATION" WITH THE FOLLOWING MODIFICATION: "COVER MATERIAL SHALL BE THE SAME AS USED FOR BEDDING AND SHALL CONFORM TO SECTION 8.43.2 (A). BEDDING AND COVER MATERIAL SHALL BE PLACED IN A MINIMUM OF THREE SEPARATE LIFTS, OR AS REQUIRED TO INSURE ADEQUATE COMPACTING OF THESE MATERIALS, WITH ONE LIFT OF BEDDING MATERIAL ENDING AT OR NEAR THE SPRINGLINE OF THE PIPE. THE CONTRACTOR SHALL TAKE CARE TO COMPLETELY WORK BEDDING MATERIAL UNDER THE HAUNCH OF THE PIPE TO PROVIDE ADEQUATE SIDE SUPPORT."

    BACKFILL – BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS." GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS."

    MANHOLES – MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NOS. 12, 13 AND 15 OF THE "STANDARD SPECIFICATIONS" AND ALL SPECIAL PROVISIONS OF THE CITY OF MIDDLETON.

    MANHOLE FRAMES AND COVERS – MANHOLE FRAMES AND COVERS SHALL BE PER PLANS.

14. WATER MAIN SPECIFICATIONS –

    PIPE – DUCTILE IRON PIPE SHALL BE CLASS 52 CONFORMING TO AWWA C151 AND CHAPTER 8.18.0 OF THE "STANDARD SPECIFICATIONS". POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF AWWA STANDARD C-900, CLASS 150, DR-18, WITH CAST IRON O.D. AND INTEGRAL ELASTOMERIC BELL AND SPIGOT JOINTS. NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH BLUE INSULATION TRACER WIRE AND CONFORM WITH SPS 382.30(11)(H).

    VALVES AND VALVE BOXES – GATE VALVES SHALL BE AWWA GATE VALVES MEETING THE REQUIREMENTS OF AWWA C-500 AND CHAPTER 8.27.0 OF THE "STANDARD SPECIFICATIONS". GATE VALVES AND VALVE BOXES SHALL CONFORM TO LOCAL PLUMBING ORDINANCES.

    HYDRANTS – HYDRANTS SHALL CONFORM TO THE SPECIFICATIONS OF THE CITY OF FITCHBURG. THE DISTANCE FROM THE GROUND LINE TO THE CENTERLINE OF THE LOWEST NOZZLE AND THE LOWEST CONNECTION OF THE FIRE DEPARTMENT SHALL BE NO LESS THAN 18-INCHES AND NO GREATER THAN 23-INCHES (SEE DETAIL).

    BEDDING AND COVER MATERIAL – PIPE BEDDING AND COVER MATERIAL SHALL BE SAND, CRUSHED STONE CHIPS OR CRUSHED STONE SCREENINGS CONFORMING TO CHAPTER 8.43.2 OF THE "STANDARD SPECIFICATIONS".

    BACKFILL – BACKFILL MATERIAL AND INSTALLATION SHALL BE IN ACCORDANCE WITH CHAPTER 2.6.0 OF THE "STANDARD SPECIFICATIONS". GRAVEL BACKFILL IS REQUIRED IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".

15. WATERMAIN AND SANITARY SEWER SHALL BE INSULATED WHEREVER THE DEPTH OF COVER IS LESS THAN 6 FEET. INSULATION AND INSTALLATION OF INSULATION SHALL BE CONFORMING WITH CHAPTER 4.17.0 "INSULATION" OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN 6TH EDITION UPDATED WITH ITS LATEST ADDENDUM (TYP.).

north

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

CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
2	01.19.2022	MUNICIPAL
3		
4		
5		
6		
7		
8		
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10		
11		
12		
13		
14		
15		

Designed By: MSS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C6.0

JSD PROJECT NO: 21-10852

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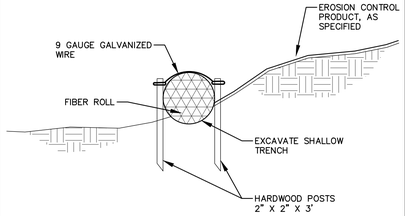
File: I:\2021\21108852\DWG\Civil Sheets\21108852 Civil Con Docs.dwg Layout: C6.0 UTILITY PLAN User: msaunders Plotted: Jan 18, 2022 - 3:09pm Xref's:



GENERAL NOTES:

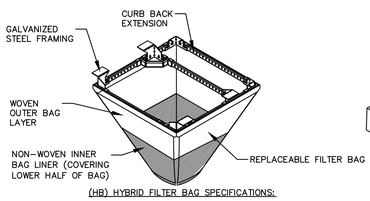
1. EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
2. PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
3. NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
4. PLACE SOIL EXCAVATED FROM THE TRENCH BEHIND THE ROLL AND HAND TAMP. PLANT WITH SUITABLE HERBACEOUS OR WOODY VEGETATION AS SPECIFIED.

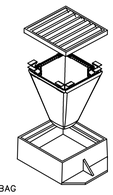
FIBER SILT SOCK

N.T.S.

REV. 12-7-2018

FLEXSTORM INLET FILTERS TO MEET DANE COUNTY EROSION CONTROL STANDARDS





INSTALLATION INSTRUCTIONS:
1. REMOVE GRATE FROM THE DRAINAGE STRUCTURE
2. CLEAN STONE AND DIRT FROM LEDGE (LIP) OF DRAINAGE STRUCTURE
3. DROP THE INLET FILTER THROUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE
4. REPLACE THE GRATE AND CONFIRM IT IS NOT ELEVATED MORE THAN 1/8"

MAINTENANCE GUIDELINES:
1. EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS
2. REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
3. DISPOSE OF SEDIMENT AND DEBRIS BY THE ENGINEERING OR MAINTENANCE CONTRACT 4. ALTERNATIVELY, AN INDUSTRIAL VACUUM CAN BE USED TO COLLECT SEDIMENT FROM THE FILTER BAG

(HB) HYBRID FILTER BAG SPECIFICATIONS:

CATCH-IT INLET FILTER (Temporary Inlet Protection)

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft³)	Flow Ratings (CFS)		ADS P/N
					HB (Hybrid Bag)	Bypass	
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCBEXTHB
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCB3624HB
3030	Square/Rect (SQ)	23 x 16	20.5 x 13.5	1.6	0.7	2.2	62MCB2316HB
3067-C	Square/Rect (SQ)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ3618HB
R-2501	Round (RD)	-26	-24	2.3	0.8	5.2	62MRD26HB
R-1772/2560	Round (RD)	22.25-23.5	20.5-21	1.5	0.6	4.6	62MRD22HB

NOTE: FRAMED INLET PROTECTION IS FOR TEMPORARY EROSION CONTROL ONLY.

Woven and Non-Woven Geotextile Filter Bag Properties (Minimum Average Roll Values)

PROPERTY	TEST METHOD	WOVEN (OUTER)	NON-WOVEN (LINER)
TENSILE STRENGTH	ASTM D4632	350 x 225 Lbs	100 Lbs
ELONGATION	ASTM D4632	20% x 15%	50%
CBR PUNCTURE	ASTM D6241	1000 Lbs	65 Lbs
TRAPEZOIDAL TEAR	ASTM D4533	110 x 75 Lbs	45 Lbs
UV RESISTANCE	ASTM D4355	90%	70%
OPENING SIZE (AOS)	ASTM D4751	20 US STD SIEVE	40 US STD SIEVE
PERMITTIVITY	ASTM D4491	1.5 Sec^{-1}	2.0 Sec^{-1}
WATER FLOW RATE	ASTM D4491	200 $gal/min/ft^2$	145 $gal/min/ft^2$
MINIMUM FILTER BAG VOLUME		2 CUBIC FT	

FRAMED INLET PROTECTION

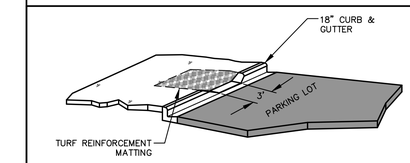
N.T.S.

REV. 7-01-2019

FLEXSTORM INLET PROTECTION CATCH IT

C | Drawn By: | Date: | Rev: | IPP Flexstorm HD Specification | Date | Rev

Sheet 1 of 1

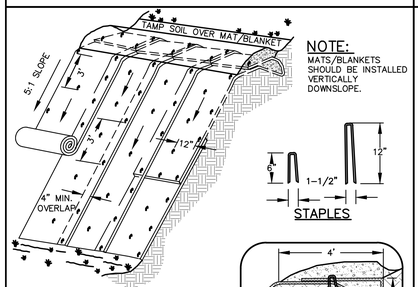


GENERAL NOTES
1. TURF REINFORCEMENT MATS (TRM) CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1052 "NON-CHANNEL EROSION MAT".
2. ONLY WisDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) APPROVED MATS SHALL BE ALLOWED. REFER TO EROSION CONTROL PLAN FOR EXACT MAT CLASSIFICATION.
3. INSTALL AND ANCHOR MAT IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. INSTALL TRMs IN CONJUNCTION WITH PLACEMENT OF TOPSOIL, FOLLOWED BY NATIVE VEGETATIVE MATS.
5. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

CURB WEIR

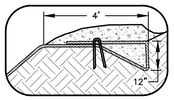
N.T.S.

REV. 11-20-2018



NOTE:
MATS/BLANKETS SHOULD BE INSTALLED VERTICALLY DOWNSLOPE.

STAPLES



BERM

ISOMETRIC VIEW
TYPICAL SLOPE SOIL STABILIZATION

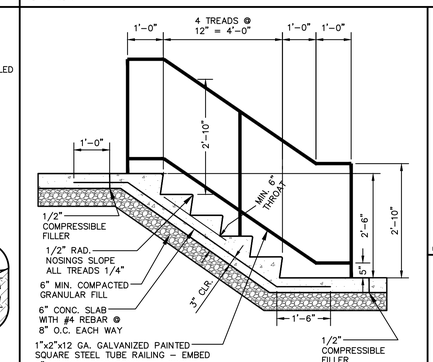
GENERAL NOTES:

1. EROSION MAT CONSTRUCTION SHALL BE IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARD 1052 "NON-CHANNEL EROSION MAT".
2. ONLY WisDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) APPROVED MATS SHALL BE ALLOWED. REFER TO EROSION CONTROL PLAN FOR EXACT MAT CLASSIFICATION.
3. APPLY PERMANENT SEEDING BEFORE PLACING BLANKETS.
4. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
5. ONLY WisDOT EROSION CONTROL PRODUCT ACCEPTABILITY LIST (PAL) APPROVED MATS SHALL BE ALLOWED. REFER TO EROSION CONTROL PLAN FOR EXACT MAT CLASSIFICATION.

EROSION MATTING

N.T.S.

REV. 11-19-2018



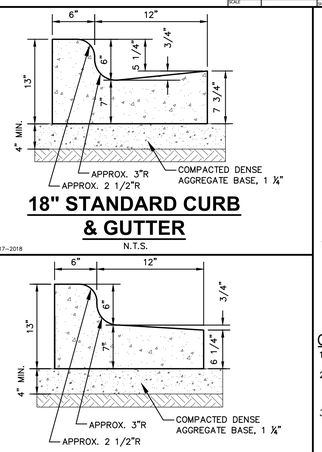
1"x2"x12 GA. GALVANIZED PAINTED SQUARE STEEL TUBE RAILING – EMBED 5" MINIMUM INTO CONCRETE. GROUT WITH NON-SHRINK GROUT & BEVEL GROUT UP TOWARD POSTS. SHOP DRAWING TO BE SUBMITTED FOR FINAL REVIEW AND APPROVAL

NOTE:
CENTER AND/OR EQUALLY SPACE INTERMEDIATE POSTS. MAXIMUM DISTANCE BETWEEN POSTS NOT TO EXCEED 3'-8"

CONCRETE STAIRS W/ HANDRAIL

N.T.S.

REV. 11-20-2018



18" STANDARD CURB & GUTTER

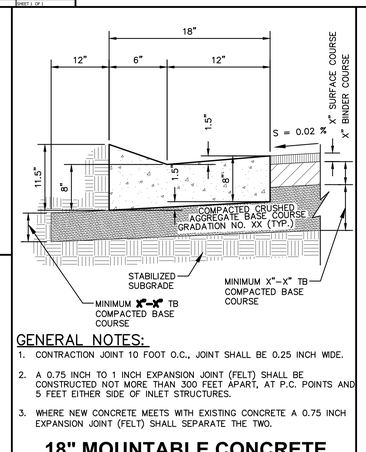
N.T.S.

REV. 12-17-2018

18" REJECT CURB & GUTTER

N.T.S.

REV. 12-17-2018



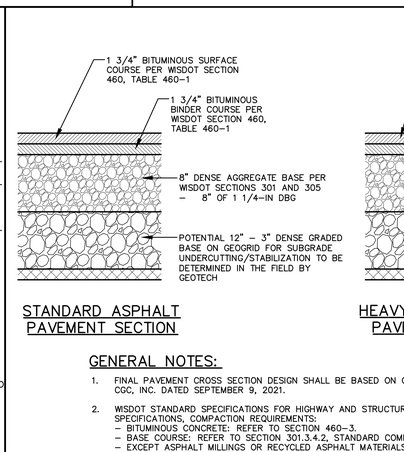
GENERAL NOTES:

1. CONTRACTION JOINT 10 FOOT O.C., JOINT SHALL BE 0.25 INCH WIDE.
2. A 0.75 INCH TO 1 INCH EXPANSION JOINT (FELT) SHALL BE CONSTRUCTED NOT MORE THAN 300 FEET APART, AT P.C. POINTS AND 5 FEET EITHER SIDE OF INLET STRUCTURES.
3. WHERE NEW CONCRETE MEETS WITH EXISTING CONCRETE A 0.75 INCH EXPANSION JOINT (FELT) SHALL SEPARATE THE TWO.

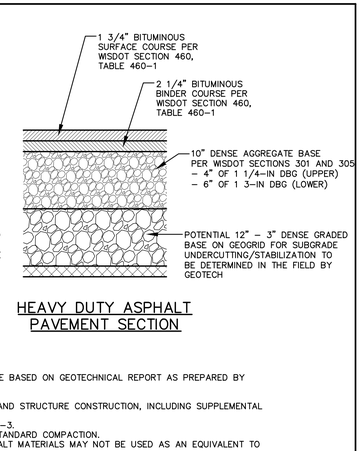
18" MOUNTABLE CONCRETE CURB & GUTTER

N.T.S.

REV. 11-19-2018



STANDARD ASPHALT PAVEMENT SECTION



HEAVY DUTY ASPHALT PAVEMENT SECTION

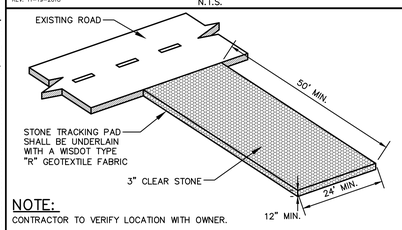
GENERAL NOTES:

1. FINAL PAVEMENT CROSS SECTION DESIGN SHALL BE BASED ON GEOTECHNICAL REPORT AS PREPARED BY CGC, INC. DATED SEPTEMBER 9, 2021.
2. WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
   – BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
   – BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
   – EXCEPT ASPHALT MILLINGS OR RECYCLED ASPHALT MATERIALS MAY NOT BE USED AS AN EQUIVALENT TO 1-1/4 DENSE GRADED BASE

ASPAHLT PAVEMENT SECTIONS

N.T.S.

REV. 7-01-2019

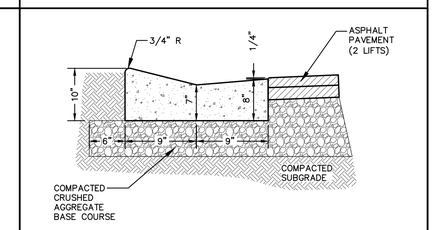


NOTE:
CONTRACTOR TO VERIFY LOCATION WITH OWNER.

CONSTRUCTION ENTRANCE

N.T.S.

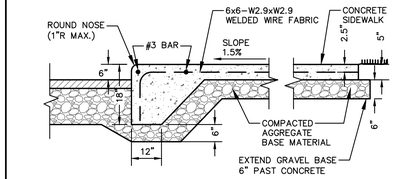
REV. 12-10-2018



VALLEY GUTTER CURB

N.T.S.

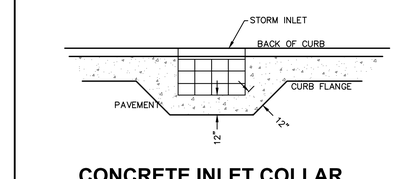
REV. 11-20-2018



THICKENED EDGE WALK

N.T.S.

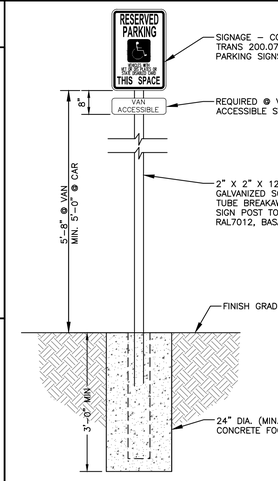
REV. 11-20-2018



CONCRETE INLET COLLAR

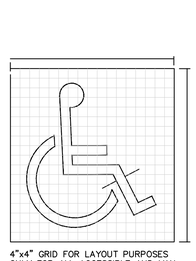
N.T.S.

REV. 11-20-2018



ACCESSIBLE PARKING SIGN AND BOLLARD POST INSTALLATION

N.T.S.

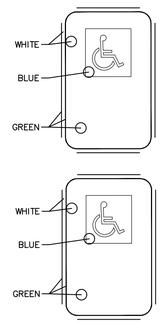


4"x4" GRID FOR LAYOUT PURPOSES ONLY FOR ALL ACCESSIBLE AND VAN ACCESSIBLE SPACES

NOTE:
SYMBOL DETAILS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS PRIOR TO CONSTRUCTION.

PAINTED SYMBOL

N.T.S.



NOTE:
SIGNAGE AND SYMBOL DETAILS ARE SHOWN FOR INTENT ONLY. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS PRIOR TO CONSTRUCTION.

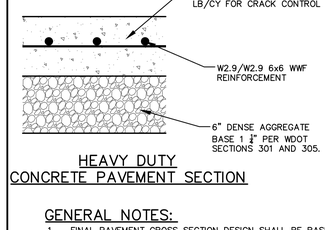
SIGN DETAILS

N.T.S.

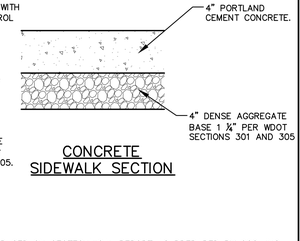
ADA PARKING

N.T.S.

REV. 11-19-2018



HEAVY DUTY CONCRETE PAVEMENT SECTION



CONCRETE SIDEWALK SECTION

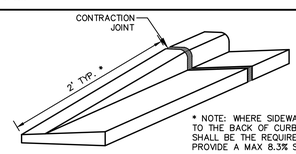
GENERAL NOTES:

1. FINAL PAVEMENT CROSS SECTION DESIGN SHALL BE BASED ON GEOTECHNICAL REPORT AS PREPARED BY CGC, INC. DATED SEPTEMBER 9, 2021.
2. WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, INCLUDING SUPPLEMENTAL SPECIFICATIONS, COMPACTION REQUIREMENTS:
   – CONCRETE: REFER TO SECTION 415.
   – BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION.
3. CONCRETE EQUIPMENT PADS SHALL HAVE A MINIMUM 6" THICK PORTLAND CEMENTER CONCRETE OVER COMPACTED 6" THICK DENSE GRADED BASE WITH REINFORCEMENT FOR CRACK CONTROL.

CONCRETE PAVEMENT SECTIONS

N.T.S.

REV. 7-01-2019



* NOTE: WHERE SIDEWALK IS ADJACENT TO THE BACK OF CURB, THE TAPER SHALL BE THE REQUIRED LENGTH TO PROVIDE A MAX 8.3% SLOPE

TAPER CURB HEAD

N.T.S.

DIGGERS HOTLINE
Toll Free (800) 242-8511

JSD
CREATE THE VISION TELL THE STORY
jsdinc.com

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

CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
2	01.19.2022	MUNICIPAL
3		
4		
5		
6		
7		
8		
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10		
11		
12		
13		
14		
15		

Designed By: MSS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

SHEET TITLE:
DETAILS

SHEET NUMBER:
C7.0

JSD PROJECT NO: 21-10852

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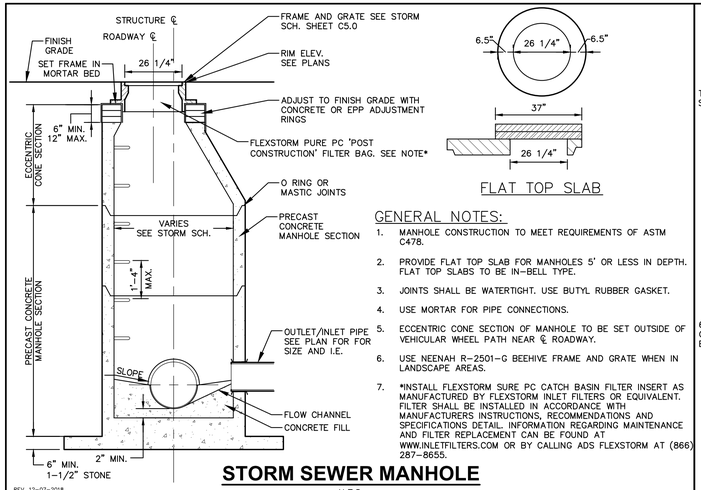


FLAT TOP SLAB

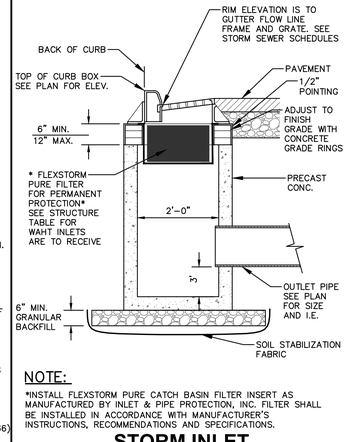
GENERAL NOTES:

1. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. PROVIDE FLAT TOP SLAB FOR MANHOLES 5' OR LESS IN DEPTH. FLAT TOP SLABS TO BE IN-BELL TYPE.
3. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
4. USE MORTAR FOR PIPE CONNECTIONS.
5. ECCENTRIC CONE SECTION OF MANHOLE TO BE SET OUTSIDE OF VEHICULAR WHEEL PATH NEAR ℄ ROADWAY.
6. USE NEENAH R-2501-G BEEHIVE FRAME AND GRATE WHEN IN LANDSCAPE AREAS.
7. *INSTALL FLEXSTORM SURE PC CATCH BASIN FILTER INSERT AS MANUFACTURED BY FLEXSTORM INLET FILTERS OR EQUIVALENT. FILTER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, RECOMMENDATIONS AND SPECIFICATIONS DETAIL. INFORMATION REGARDING MAINTENANCE AND FILTER REPLACEMENT CAN BE FOUND AT WWW.INLETFILTERS.COM OR BY CALLING ADS FLEXSTORM AT (866) 287-8655.

STORM SEWER MANHOLE

N.T.S.

REV. 12-07-2018



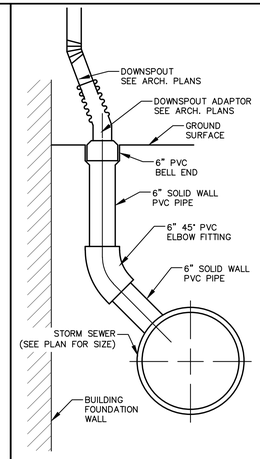
NOTE:

*INSTALL FLEXSTORM PURE CATCH BASIN FILTER INSERT AS MANUFACTURED BY INLET & PIPE PROTECTION, INC. FILTER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, RECOMMENDATIONS AND SPECIFICATIONS.

STORM INLET

N.T.S.

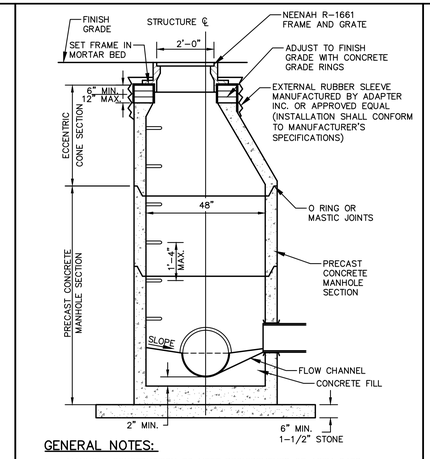
REV. 11-26-2018



DOWNSPOUT CONNECTION

N.T.S.

REV. 12-7-2018



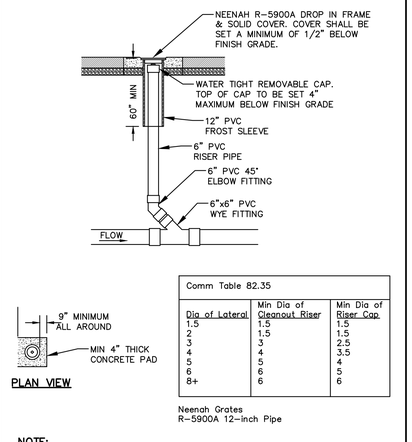
GENERAL NOTES:

1. MANHOLE CONSTRUCTION TO MEET REQUIREMENTS OF ASTM C478.
2. JOINTS SHALL BE WATERTIGHT. USE BUTYL RUBBER GASKET.
3. USE MORTAR FOR PIPE CONNECTIONS.
4. ALL MANHOLES SHALL HAVE RUBBER CHIMNEY BOOT SEALS.

SANITARY SEWER MANHOLE

N.T.S.

REV. 12-6-2018



PLAN VIEW

Comm Table 82.35		
Dia of Lateral	Min Dia of Cleanout Riser	Min Dia of Riser Cap
1.5	1.5	1.5
2	1.5	1.5
3	3	2.5
4	4	3.5
5	5	4
6	6	5
8+	6	6

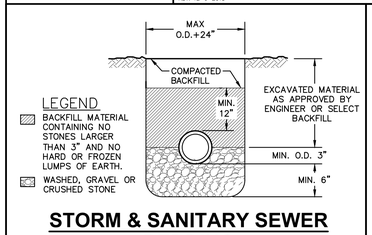
Neenah Grates R-5900A 12-inch Pipe

NOTE:
CLEANOUT PIPING AND FITTINGS SHALL MATCH SANITARY SEWER LATERAL MATERIAL

CLEANOUT

N.T.S.

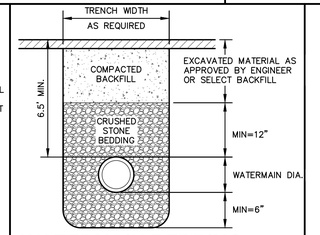
REV. 12-6-2018



STORM & SANITARY SEWER BEDDING

N.T.S.

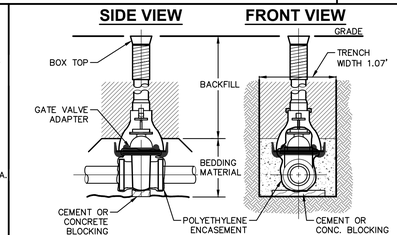
REV. 12-05-2018



WATERMAIN BEDDING

N.T.S.

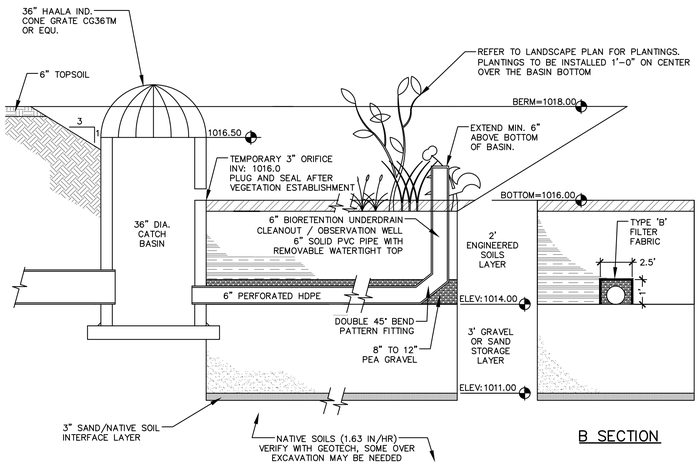
REV. 12-05-2018



GATE VALVE BOX SETTING

N.T.S.

REV. 12-04-2018



A SECTION

B SECTION

GENERAL NOTES:

1. ALL CONSTRUCTION PRACTICES SHALL MEET THE SPECIFICATIONS OF THE WDNR TECHNICAL STANDARD 1004 – BIORETENTION FOR INFILTRATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THIS STANDARD AND CONSTRUCT THE BIORETENTION DEVICE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED THEREIN.
2. CONTRACTOR SHALL INSTALL 24" OF ENGINEERED SOIL CONSISTING OF: 85% ASTM C33 SAND, 15% CERTIFIED COMPOST (SEE GENERAL NOTE 3).
3. CERTIFIED COMPOST SHALL CONSIST OF: >40% ORGANIC MATTER, <60% ASH CONTENT, pH OF 6–8, AND MOISTURE CONTENT OF 35–50% BY WEIGHT.
4. SAND/GRAVEL STORAGE LAYER SHALL CONSIST OF SAND OR GRAVEL MATERIAL MEETING THE SPECIFICATIONS IN SECTION V.B.7 OF WDNR TECHINCAL STANDARD 1004.
5. SAND/NATIVE SOIL INFILTRATION LAYER SHALL BE FORMED BY A LAYER OF SAND 3 INCHES DEEP, WHICH IS VERTICALLY MIXED WITH THE NATIVE SOIL TO A DEPTH OF 2–4 INCHES.
6. CONFIRM WITH GEOTECHNICAL ENGINEER THAT THE SILT LOAM SOIL PROFILE HAS BEEN REACHED PRIOR TO BACKFILLING THE BIORETENTION BASIN. DEEP TILL MINIMUM 2 FEET OF NATIVE SOIL TO PROMOTE INFILTRATION.
7. IF ADDITIONAL EXCAVATION IS REQUIRED BELOW THE SAND SOIL PROFILE TO REACH THE LISTED NATIVE SOIL LAYER, THE BACKFILL USED TO RETURN THE BOTTOM OF THE BIORETENTION SYSTEM TO THE BOTTOM OF THE SAND LAYER ELEVATION MUST HAVE AN EQUAL OR HIGHER INFILTRATION RATE THAN THE LISTED NATIVE SOIL LAYER AS CONFIRMED BY A GEOTECHNICAL ENGINEER.
8. FILTER FABRIC SHALL BE PLACED ABOVE AND ON THE SIDES OF THE PERFORATED PIPE, BETWEEN THE PEA GRAVEL AND THE ENGINEERED SOIL, A WIDTH OF 4 FEET CENTERED OVER THE FLOW LINE OF THE PIPE.
10. ANNUAL RYE GRASS SHALL BE SEEDED AT 40 LB/ACRE WITH THE SEED MIX IN THE AREAS SURROUNDING THE BASIN, ON SIDE SLOPES, AND OVER ANY LAND THAT DISCHARGES INTO THE BASIN FOR EROSION CONTROL WHEN BASIN IS BROUGHT ON-LINE. ROOTSTOP AND PLUGS ARE REQUIRED TO ESTABLISH VEGETATION AT THE INVERT OF THE BASIN.
11. RUNOFF MUST INFILTRATE WITHIN 24-HOURS. BASINS UNABLE TO MAINTAIN THESE RATES MUST BE DEEP TILLED, REGRADED, AND IF NECESSARY REPLANTED TO RESTORE ORIGINAL INFILTRATION RATES.
12. ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH APPLICABLE LOCAL, REGIONAL, AND STATE STORMWATER STANDARDS FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER.
13. SEE LANDSCAPING PLAN AND CONSULT WITH LANDSCAPE ARCHITECT OR ECOLOGICAL PLANTING AGENCY FOR APPROPRIATE SEED MIX, PLANTS AND PLANTING CONFIGURATIONS.

NOTE:
INFILTRATION DEVICES ARE DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR), COUNTY, MUNICIPALITY, AND ENGINEERING STANDARD OF CARE. ALL DESIGNATED INFILTRATION AREAS (e.g. RAIN GARDENS, INFILTRATION BASINS, BIORETENTION DEVICES) SHALL BE FENCED PRIOR TO CONSTRUCTION AND REMAIN UNDISTURBED AND PROTECTED DURING THE CONSTRUCTION OF PROPOSED SITE IMPROVEMENTS. PROPOSED BIORETENTION DEVICES SHALL NOT BE CONSTRUCTED UNTIL THE DEVICE'S CONTRIBUTING WATERSHED AREA MEETS ESTABLISHED VEGETATION REQUIREMENTS SET FORTH WITHIN THE RESPECTIVE WDNR TECHNICAL STANDARDS. IF THE LOCATION OF THE INFILTRATION AREA CONFLICTS WITH CONSTRUCTION STAGING AND/OR CONSTRUCTION TRAFFIC AND IS DISTURBED, COMPACTION MITIGATION WILL BE REQUIRED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR IS REQUIRED TO PROVIDE QUALIFIED STAFF FOR INSPECTION AND OBSERVATION OF THE CONSTRUCTION ACTIVITIES RELATING TO ALL JOB SITE REGULATORY COMPLIANCE INCLUDING THE PROTECTION AND CONSTRUCTION OF ALL STORMWATER MANAGEMENT FEATURES. ANY OBSERVATION OF PLAN OR SITE DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

THE STORMWATER MANAGEMENT FEATURES CONTAINED WITHIN THIS PLAN SET HAVE BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE STANDARDS SET FORTH IN WISCONSIN DNR NR151 AND LOCAL ORDINANCES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER CONSTRUCTION PRACTICES HAVE BEEN UTILIZED AND THAT STORMWATER MANAGEMENT FEATURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH APPROVED DESIGN PLANS. JSD PROFESSIONAL SERVICES, INC. (JSD) SHALL NOT BE LIABLE FOR ANY CONSTRUCTION PRACTICES OR INSTALLATION WHICH DEVIATES FROM THE APPROVED PLAN SET. ONCE THE OWNER HAS PROVIDED FINAL APPROVAL TO THE WORK PERFORMED BY THE CONTRACTOR AND ENSURED COMPLIANCE WITH THE PLAN, IT IS THE OWNER'S RESPONSIBILITY TO MAINTAIN STORMWATER MANAGEMENT FEATURES IN ACCORDANCE WITH THE RECORDED MAINTENANCE AGREEMENT. PROPER OPERATION IS DEPENDENT ON A MULTITUDE OF VARIABLES INCLUDING WEATHER. THESE COMPONENTS REQUIRE ONGOING MAINTENANCE FOR WHICH THE OWNER IS RESPONSIBLE. JSD TAKES NO RESPONSIBILITY FOR PROPER OPERATION OF THE WATER QUALITY COMPONENTS.

ENGINEERED SOIL LAYER: MATERIAL SHALL MEET THE WDNR TECHNICAL STANDARD 1004. ENGINEERED SOILS SHALL CONSIST OF A MIXTURE THE FOLLOWING PERCENTAGES BY VOLUME; 70 TO 85% SAND AND 15 TO 30% CERTIFIED COMPOST. CERTIFIED COMPOST SHALL MEET WDNR SPECIFICATIONS S100 AND SAND MATERIALS SHALL MEET ONE OF THE FOLLOWING GRADING REQUIREMENTS; USDA COARSE SAND (0.02 TO 0.04 INCHES), ASTM C33 (FINE AGGREGATE CONCRETE SAND), OR WSDOT FINE AGGREGATE SAND (PER WSDOT SPECIFICATION 501.2.5.3.4)

AS-BUILT SURVEY AND CERTIFICATION: UPON CONSTRUCTION COMPLETION AND STABILIZATION, AN AS-BUILT SURVEY IS TO BE CONDUCTED FOR BASIN AND CERTIFIED BY THE ISSUING ENGINEER. SURVEYOR IS TO CONFIRM THE TEMPORARY 3" ORIFICE IN THE BIORETENTION BASIN OUTLET HAS BEEN PLUGGED AND SEALED. AS-BUILT PLANS ARE TO BE SUBMITTED TO MUNICIPALITY FOR FINAL APPROVAL.

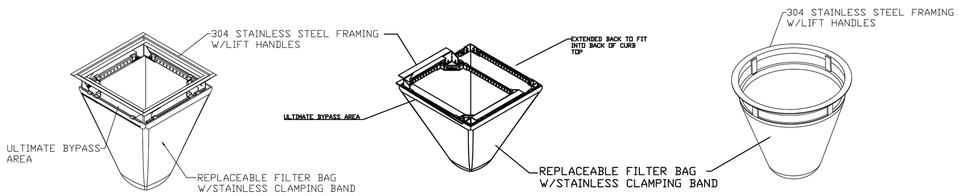
BIORETENTION DEVICE

N.T.S.

REV. 12-7-2018

FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION PRODUCT SELECTION AND SPECIFICATION DRAWING

WISCONSIN



FLEXSTORM PURE INLET FILTERS FOR RECTANGULAR OPENINGS WITH GRATES

FLEXSTORM PURE INLET FILTERS FOR CURB INLETS

FLEXSTORM PURE INLET FILTERS FOR ROUND OPENINGS

Product selection for FLEXSTORM PURE Filters (Permanent Inlet Protection)

Neenah Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft^3)	Flow Ratings (CFS) FX/FX+	PC/PC+	Bypass	Part Number FX	FX+	PC	PC+	FXO
1040/1642/1733	Round	26	24	1.9	1.5	1.1	5.7	62MHDR24FX	62MHDR24FXP	62MHDR24PC	62MHDR24PCP	62MHDR24FXO
3067 (EXT)	Curb Box (CB)	35.25 x 17.75	33.0 x 15.0	4.4	2.3	1.9	5.8	62LHDEXTCBFX	62LHDEXTCBFXP	62LHDEXTCBPC	62LHDEXTCBPCP	62LHDEXTCBFXO
3246A	Curb Box (CB)	35.75 x 23.875	33.5 x 21.0	3.6	2.6	1.8	3.6	62LHDCB3624FX	62LHDCB3624FXP	62LHDCB3624PC	62LHDCB3624PCP	62LHDCB3624FXO
3030	Square/Rect (SQ)	23 x 16	45.5 x 30	1.6	1.4	1.8	2.6	62MHDCB2316FX	62MHDCB2316FXP	62MHDCB2316PC	62MHDCB2316PCP	62MHDCB2316FXO
3067-C	Square/Rect (SQ)	35.25 x 17.75	33.0 x 15.0	3.2	2.3	1.9	5.8	62LHD3618FX	62LHD3618FXP	62LHD3618PC	62LHD3618PCP	62LHD3618FXO
R-2504	Round (RD)	22.25-23.5	~20.5	1.5	1.2	0.7	4.8	62MHDRFX	62MHDRFXP	62MHDRPC	62MHDRPCP	62MHDRFXO

*FLOW RATINGS SHOWN ARE 50% MAXIMUM

1. ABOVE TABLE IS FOR REFERENCE ONLY. REFER TO THE STORM STRUCTURE TABLES LOCATED ON THE UTILITY PLANS FOR EACH OF THE STORM SEWER INLET AND CATCH BASIN REQUIRING A PERMANENT INLET FILTER.
2. INSTALL FLEXSTORM PURE CATCH BASIN FILTER INSERT AS MANUFACTURED BY INLET & PIPE PROTECTION, INC. FILTER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS, RECOMMENDATIONS AND SPECIFICATIONS.

NOTES:

1. ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING
2. TOTAL BYPASS CAPACITY WILL VARY WITH EACH SIZED DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
3. UPON ORDERING ADS P/N CONFIRMATION OF THE DOT CALLOUT, FLEXSTORM ITEM CODE, CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED.
4. FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

INSTALLATION:

1. REMOVE GRATE
2. DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
3. REPLACE GRATE

E:\International Jbgrass\Flexstorm Pure.jpg

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM
(866) 287-8655
(630) 307-3551
INFO@INLETFILTERS.COM

DIGGERS HOTLINE
Toll Free: (800) 242-8511
Wisconsin

SIZE	DWG NO	REV
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MADISON REGIONAL OFFICE
161 HORIZON DRIVE, SUITE 101
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
2	01.19.2022	MUNICIPAL
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Designed By: MSS
Reviewed By: MRH/KYJ
Approved By: MRH/KYJ

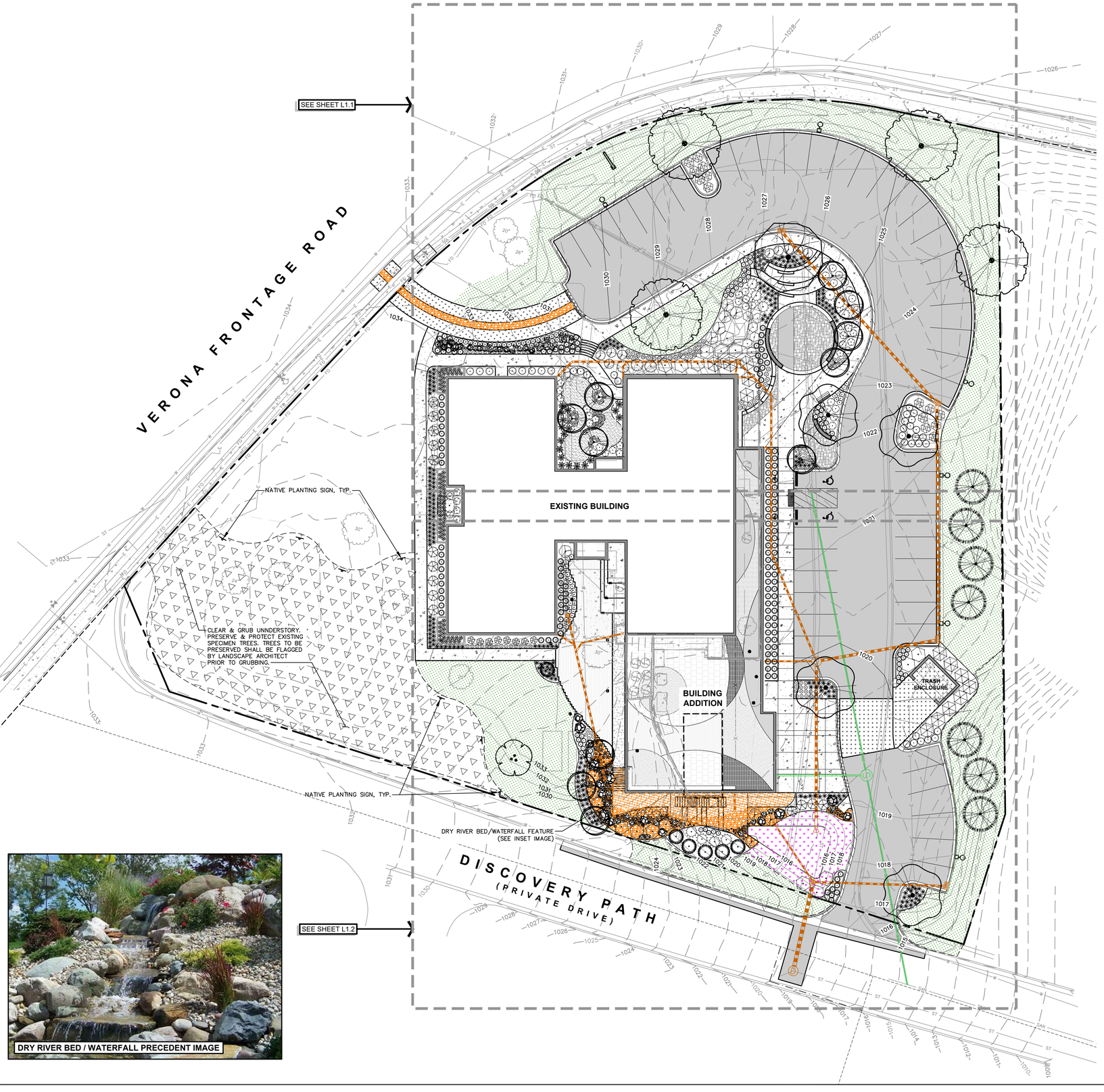
SHEET TITLE:
DETAILS

SHEET NUMBER:
C7.1

JSD PROJECT NO: 21-10852

THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.

File: I:\2021\21108852\DWG\Civil Sheets\21108852 Civil Con Docs.dwg Layout: C7.1 DETAILS User: msaunders Plotted: Jan 19, 2022 - 2:35pm Xref's:



GENERAL NOTES

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

LEGEND

- PROPERTY LINE
- RIGHT–OF–WAY
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- REJECT CURB AND GUTTER
- MOUNTABLE CURB AND GUTTER
- 8" CONCRETE RIBBON CURB
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- DECORATIVE STONE MULCH
- WASHED STONE MULCH
- 959 PROPOSED 1 FOOT CONTOUR
- 960 PROPOSED 5 FOOT CONTOUR
- 959 EXISTING 1 FOOT CONTOUR
- 960 EXISTING 5 FOOT CONTOUR
- RAILING
- ADA PARKING SIGN
- BOLLARD (REFER TO PHOTOMETRIC)
- BIKE RACK
- ALUMINUM EDGING
- NATIVE VEGETATIVE MAT (NVM)
- BLUEGRASS TURFGRASS SEED MIX
- WOODLAND SEED MIX

north

SCALE IN FEET
20' 0 20'

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CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
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Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
L1.0

JSD PROJECT NO: 21-10852

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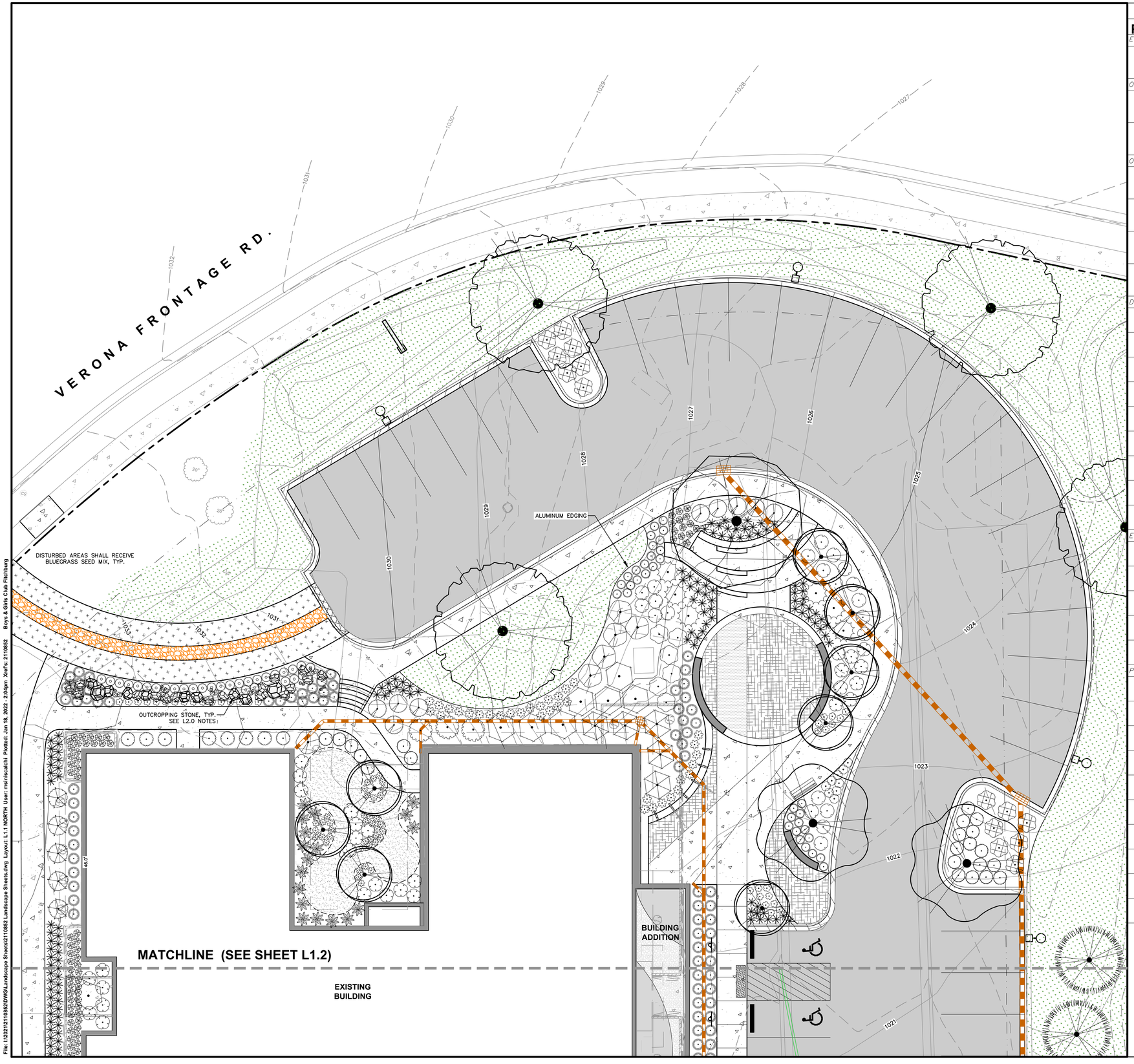
File: I:\2021\21-10852\DWG\Landscape Sheets\21-10852 Landscape Sheets.dwg Layout: L1.0 User: mwinkelaich Plotted: Jan 19, 2022 - 2:01pm Xref's: 21-10852 Boys & Girls Club Fitchburg



PLANT LIST

SEE SHEET L2.0 FOR COMPREHENSIVE PLANT SCHEDULE

EVERGREEN TREE	CODE	BOTANICAL / COMMON NAME
	TC	Tsuga canadensis / Eastern Hemlock
ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME
	AG	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry
	CC	Carpinus caroliniana 'J.N. Globe' TM / Ball O' Fire American Hornbeam
OVERSTORY DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME
	AMM	Acer miyabei 'Morton' TM / State Street Miyabei Maple
	AF	Acer x freemanii 'Marmo' / Marmo Freeman Maple
	BP	Betula populifolia 'Whitespire' – Single / Whitespire Birch – Single
	QS	Quercus x schuetti / Swamp Bur Oak
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME
	AB	Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry
	CH	Cornus hessei 'UMN970507' TM / Garden Glow Dogwood
	DC	Diervilla sessilifolia 'Cool Splash' / Cool Splash False Honeysuckle
	HQ	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea
	PC	Physocarpus opulifolius 'Center Glow' / Center Glow Ninebark
	GLS	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac
	SI	Spiraea fritschiana 'J.N. Select A' TM / Pink-a-licious Fritch Spirea
	SB	Syringa x 'SMSJBP7' TM / Bloomerang Dark Purple Lilac
	VJ	Viburnum x juddii / Judd Viburnum
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME
	BG	Buxus x 'Green Velvet' / Green Velvet Boxwood
	KCJ	Juniperus chinensis 'Kallays Compact' / Kallay Compact Pfitzer Juniper
	JS	Juniperus sabina 'Mini-Arcadia' / Mini Arcadia Juniper
	TM	Taxus x media 'Everlow' / Everlow Yew
	TT	Thuja occidentalis 'Techny' / Techny Arborvitae
PERENNIALS & GRASSES	CODE	BOTANICAL / COMMON NAME
	AS	Allium x 'Summer Beauty' / Summer Beauty Allium
	AV	Astilbe chinensis 'Vision in White' / Vision in White Chinese Astilbe
	CA	Calamagrostis x acutiflora 'Avalanche' / Avalanche Feather Reed Grass
	CN	Calamintha nepeta 'Montrose White' / Montrose White Catmint
	EP	Echinacea x 'CBG Cone 2' TM / Pixie Meadowbrite Purple Coneflower
	HA	Hemerocallis x 'Chicago Apache' / Daylily
	OC	Osmunda cinnamomea / Cinnamon Fern
	PV	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
	SA	Sedum x 'Autumn Fire' / Autumn Fire Sedum
	SH	Sporobolus heterolepis 'Tara' / Prairie Dropseed

CONTRACTOR NOTES

1. ALL PLANTING BEDS SHALL RECEIVE SHREDDED HARDWOOD BARK MULCH, AS SPECIFIED ON SHEET L2.0

north

SCALE IN FEET

10' 0 10'

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CLIENT:
OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

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PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
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Designed By:	MWS
Reviewed By:	KJY
Approved By:	KJY

SHEET TITLE:
DETAILED LANDSCAPE PLAN - NORTH

SHEET NUMBER:
L1.1

JSD PROJECT NO: 21-10852

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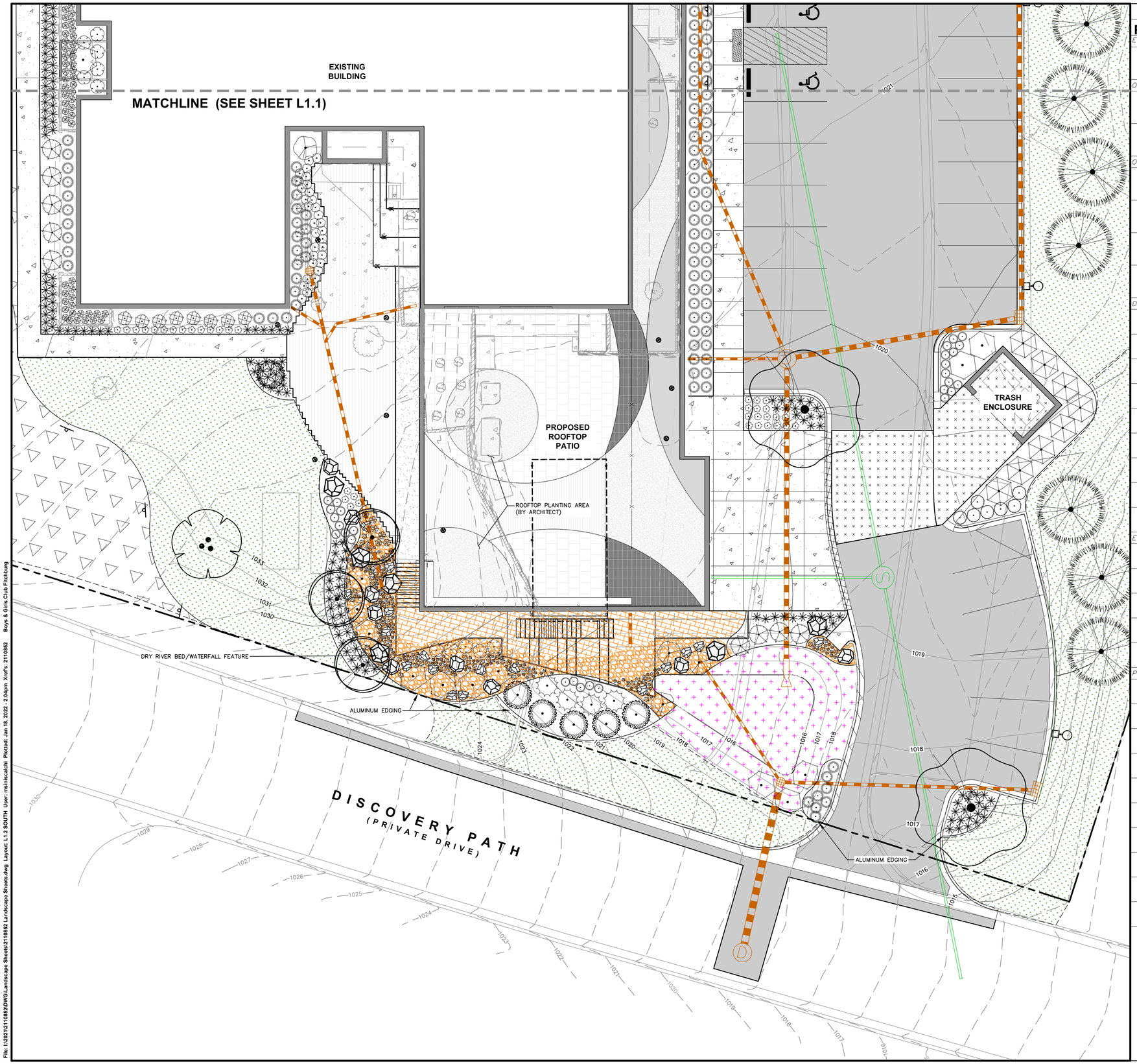
File: I:\2021\21108521\DWG\Landscape Sheets\21108521 Landscape Sheets.dwg Layout: L1.1 NORTH User: melintscalchi Plotted: Jan 18, 2022 - 2:04pm Xref's: 21108521 Boys & Girls Club Fitchburg



PLANT LIST

SEE SHEET L2.0 FOR COMPREHENSIVE PLANT SCHEDULE

EVERGREEN TREE	CODE	BOTANICAL / COMMON NAME
	TC	Tsuga canadensis / Eastern Hemlock
ORNAMENTAL TREES	**CODE**	**BOTANICAL / COMMON NAME**
	AG	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry
	CC	Carpinus caroliniana 'J.N. Globe' TM / Ball O' Fire American Hornbeam
OVERSTORY DECIDUOUS TREES	**CODE**	**BOTANICAL / COMMON NAME**
	AMM	Acer miyabei 'Morton' TM / State Street Miyabei Maple
	AF	Acer x freemanii 'Marmo' / Marmo Freeman Maple
	BP	Betula populifolia 'Whitespire' – Single / Whitespire Birch – Single
	QS	Quercus x schuetti / Swamp Bur Oak
DECIDUOUS SHRUBS	**CODE**	**BOTANICAL / COMMON NAME**
	AB	Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry
	CH	Cornus hessei 'UMN978587' TM / Garden Glow Dogwood
	DC	Diervilla sessilifolia 'Cool Splash' / Cool Splash False Honeysuckle
	HQ	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea
	PC	Physocarpus opulifolius 'Center Glow' / Center Glow Ninebark
	GLS	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac
	SI	Spiraea fritschiana 'J.N. Select A' TM / Pink-a-licious Fritch Spirea
	SB	Syringa x 'SMSJBP7' TM / Bloomerang Dark Purple Lilac
	VJ	Viburnum x juddii / Judd Viburnum
EVERGREEN SHRUBS	**CODE**	**BOTANICAL / COMMON NAME**
	BG	Buxus x 'Green Velvet' / Green Velvet Boxwood
	KCJ	Juniperus chinensis 'Kallays Compact' / Kallay Compact Pfitzer Juniper
	JS	Juniperus sabina 'Mini-Arcadia' / Mini Arcadia Juniper
	TM	Taxus x media 'Everlow' / Everlow Yew
	TT	Thuja occidentalis 'Techny' / Techny Arborvitae
PERENNIALS & GRASSES	**CODE**	**BOTANICAL / COMMON NAME**
	AS	Allium x 'Summer Beauty' / Summer Beauty Allium
	AV	Astilbe chinensis 'Vision in White' / Vision in White Chinese Astilbe
	CA	Calamagrostis x acutiflora 'Avalanche' / Avalanche Feather Reed Grass
	CN	Calamintha nepeta 'Montrose White' / Montrose White Catmint
	EP	Echinacea x 'CBG Cone 2' TM / Pixie Meadowbrite Purple Coneflower
	HA	Hemerocallis x 'Chicago Apache' / Daylily
	OC	Osmunda cinnamomea / Cinnamon Fern
	PV	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass
	SA	Sedum x 'Autumn Fire' / Autumn Fire Sedum
	SH	Sporobolus heterolepis 'Tara' / Prairie Dropseed

CONTRACTOR NOTES

1. ALL PLANTING BEDS SHALL RECEIVE SHREDDED HARDWOOD BARK MULCH, AS SPECIFIED ON SHEET L2.0

north

SCALE IN FEET

10' 0 10'

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OPN ARCHITECTS

CLIENT ADDRESS:
301 N. BROOM ST, SUITE 100
MADISON, WI 53703

PROJECT:
MCKENZIE REGIONAL WORKFORCE CENTER

PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

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1	11.19.2021	DD SUBMITTAL
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Designed By:	MWS
Reviewed By:	KJY
Approved By:	KJY

SHEET TITLE:
DETAILED LANDSCAPE PLAN - SOUTH

SHEET NUMBER:
L1.2

JSD PROJECT NO: 21-10852

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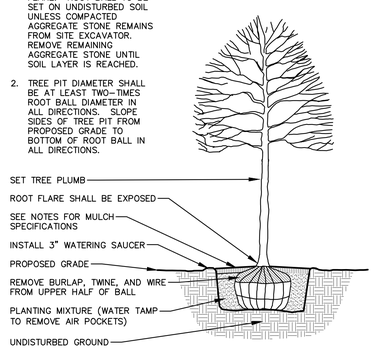
File: I:\2021\21108521\DWG\Landscape Sheets\21108521 Landscape Sheets.dwg Layout: L1.2 SOUTH User: mstrickcatchi Plotted: Jan 18, 2022 - 2:04pm Xref's: 21108521 Boys & Girls Club Fitchburg

NOTE:

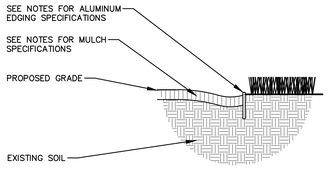
1. DIG HOLE NO DEEPER THAN BASE OF ROOT BALL TO FLARE. ROOT BALL TO BE SET ON UNDISTURBED SOIL UNLESS COMPACTED AGGREGATE STONE REMAINS FROM SITE EXCAVATOR. REMOVE REMAINING AGGREGATE STONE UNTIL SOIL LAYER IS REACHED.
2. TREE PIT DIAMETER SHALL BE AT LEAST TWO-TIMES ROOT BALL DIAMETER IN ALL DIRECTIONS. SLOPE SIDES OF TREE PIT FROM PROPOSED GRADE TO BOTTOM OF ROOT BALL IN ALL DIRECTIONS.



DECIDUOUS TREE PLANTING DETAIL

N.T.S.

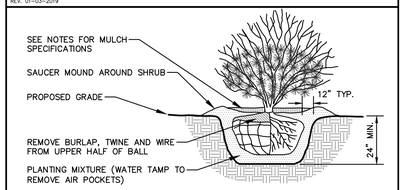
REV. 10-29-2021



ALUMINUM LANDSCAPE EDGING DETAIL

N.T.S.

REV. 01-03-2019

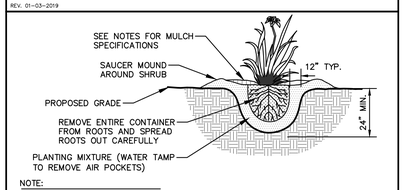


NOTE:
1. ROOT FLARE TO BE EXPOSED.

SHRUB PLANTING DETAIL

N.T.S.

REV. 01-03-2019

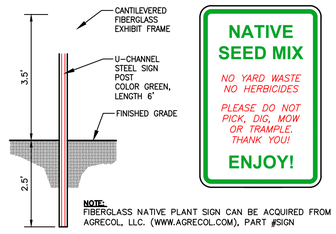


NOTE:
1. ROOT FLARE TO BE EXPOSED

PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL

N.T.S.

REV. 01-03-2019



NOTE:
FIBERGLASS NATIVE PLANT SIGN CAN BE ACQUIRED FROM AGRECOL, LLC. (WWW.AGRECOL.COM), PART #SIGN

NATIVE PLANTING SIGN

N.T.S.

COMPREHENSIVE PLANT SCHEDULE

EVERGREEN TREE	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	TC	Tsuga canadensis / Eastern Hemlock	B & B	Min. 6' Ht.	7
ORNAMENTAL TREES	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	AG	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry	B & B	1.5" Cal (Multi-Stem)	1
	CC	Carpinus caroliniana 'J.N. Globe' TM / Ball O' Fire American Hornbeam	B & B	Min. 4' Ht.	6
OVERSTORY DECIDUOUS TREES	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	AMM	Acer miyabei 'Morton' TM / State Street Miyabei Maple	B & B	2.5"Cal	4
	AF	Acer x freemanii 'Marmo' / Marmo Freeman Maple	B & B	2.5"Cal	4
	BP	Betula populifolia 'Whitespire' - Single / Whitespire Birch - Single	B & B	2.5"Cal	11
	QS	Quercus x schuetti / Swamp Bur Oak	B & B	3"Cal	1
DECIDUOUS SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	AB	Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry	B & B	Min. 12"-24"	20
	CH	Cornus hessei 'UMN970507' TM / Garden Glow Dogwood	B & B	Min. 36" tall	10
	DC	Diervilla sessilifolia 'Cool Splash' / Cool Splash False Honeysuckle	B & B	Min. 18-24" Ht.	35
	HQ	Hydrangea paniculata 'Little Quick Fire' / Little Quick Fire Hydrangea	#3	Min. 12"-24"	8
	PC	Physocarpus opulifolius 'Center Glow' / Center Glow Ninebark	B & B	Min. 36" tall	17
	GLS	Rhus aromatica 'Gro-Low' / Gro-Low Fragrant Sumac	#3	Min. 24" wide	14
	SI	Spiraea fritschiana 'J.N. Select A' TM / Pink-a-licious Fritch Spirea	#3	18- 24" Ht.	29
	SB	Syringa x 'SMSJBP7' TM / Bloomerang Dark Purple Lilac	B & B	Min. 24" Ht.	6
	VJ	Viburnum x juddii / Judd Viburnum	B & B	Min. 12"-24"	3
EVERGREEN SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	BG	Buxus x 'Green Velvet' / Green Velvet Boxwood	B & B	Min. 18" Ht.	8
	KCJ	Juniperus chinensis 'Kallays Compact' / Kallay Compact Pfitzer Juniper	#3	18" Tall/Wide	10
	JS	Juniperus sabina 'Mini-Arcadia' / Mini Arcadia Juniper	#3	Min. 12" Wide	14
	TM	Taxus x media 'Everlow' / Everlow Yew	B & B	Min. 12" Wide	9
	TT	Thuja occidentalis 'Techny' / Techny Arborvitae	B & B	Min. 6' Ht.	13
PERENNIALS & GRASSES	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	AS	Allium x 'Summer Beauty' / Summer Beauty Allium	#1	Min. 8"-18"	69
	AV	Astilbe chinensis 'Vision in White' / Vision in White Chinese Astilbe	#1	Min. 8"-18"	39
	CA	Calamagrostis x acutiflora 'Avalanche' / Avalanche Feather Reed Grass	#1	Min. 8"-18"	62
	CN	Calamintha nepeta 'Montrose White' / Montrose White Catmint	#1	Min. 8"-18"	29
	EP	Echinacea x 'CBG Cone 2' TM / Pixie Meadowbrite Purple Coneflower	#1	Min. 8"-18"	40
	HA	Hemerocallis x 'Chicago Apache' / Daylily	#1	Min. 8"-18"	34
	OC	Osmunda cinnamomea / Cinnamon Fern	#1	Min. 8"-18"	18
	PV	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass	#1	Min. 8"-18"	150
	SA	Sedum x 'Autumn Fire' / Autumn Fire Sedum	#1	Min. 8"-18"	92
	SH	Sporobolus heterolepis 'Tara' / Prairie Dropseed	#1	Min. 8"-18"	255

GENERAL NOTES

1. GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-242-8511 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
2. DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE, APPROPRIATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY; IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
3. MATERIALS - PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
4. PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES, AND LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS "IN SEASON". DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
5. CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL. REMOVE ALL CUTTINGS AND WASTE MATERIALS. SOIL AND BRANCHES. BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS RESULTING FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF SOIL, BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE. LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
6. ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
7. CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

1. MATERIALS - PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL BLENDED PRIOR TO INSTALLATION.
2. MATERIALS - TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A pH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE FROZEN OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
3. MATERIALS - SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
4. MATERIALS - STONE MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE DECORATIVE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. DECORATIVE STONE MULCH TYPE, SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISQUEEN.
5. MATERIALS - TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4' DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5' DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
6. MATERIALS - ALUMINUM EDGING: EDGING SHALL BE 1/8" X 4", ALUMINUM EDGING, MILL FINISH. OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.
7. MATERIALS - DRY RIVER BED BOULDERS: A VARIETY OF LAVENDER QUARTZ AND FIELDSTONE BOULDERS BETWEEN 1.0' AND 4.5' IN DIAMETER TO BE USED. ALL BOULDERS LARGER THAN 2.0' DIAMETER TO BE APPROVED BY LANDSCAPE ARCHITECT.
8. MATERIALS - OUTCROPPING STONES: ALL STONES SHALL BE LANNON WEATHERED EDGE, 4" TO 12" IN HEIGHT.

SEEDING AND POND VEGETATION NOTES

1. MATERIALS - TURFGRASS SEED: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND EARTH CARPET'S "MADISON PARKS" GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE, INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. IN ADDITION TO TURFGRASS SEED, ANNUAL RYE SHALL BE APPLIED TO ALL DISTURBED AREAS AT A RATE OF 1 1/2 LBS PER 1000 SQUARE FEET. FERTILIZE AND MULCH PER MANUFACTURER'S RECOMMENDATIONS. MULCH SHALL BE CERTIFIED NOXIOUS WEED SEED-FREE
2. MATERIALS - WOODLAND SEED MIX: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDED WITH "WOODLAND" SEED MIX, AS PROVIDED BY AGRECOL, 10101 NORTH CASEY ROAD, EVANSVILLE, WISCONSIN, 53536, TEL. 608-223-3571 (OR APPROVED EQUIVALENT). INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMUM TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO ENSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.
3. MATERIALS - BIORETENTION BASIN NATIVE VEGETATIVE MAT (NVM): AREAS SPECIFIED ON PLANS SHALL RECEIVE AGRECOL "RAINWATER RENEWAL" NATIVE VEGETATIVE MAT - DEGRADABLE CORE. CONTRACTOR SHALL CONTACT AGRECOL NATIVE NURSERY 16 WEEKS IN ADVANCE OF INSTALLATION FOR PROPER GROWING LEAD TIME. CONTRACTOR SHALL ASSUME AVAILABLE DELIVERY DATE TO BE BETWEEN MID-JUNE THROUGH THE END OF OCTOBER DUE TO THE NMV GROWING SEASON. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION PROCEDURES.

CONTRACTOR AND OWNER RESPONSIBILITY NOTES

1. **GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PLANTS SHALL BE ALIVE AND IN HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE (AT NO COST TO OWNER) ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE. RESTORE BEDS AS NECESSARY FOLLOWING PLANT REPLACEMENT, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPLACE PLANTS DAMAGED AT TIME OF PLANTING. REPAIR AREAS DISTURBED IN ANY WAY DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A ONE (1)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.**
2. **CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.**
3. **MAINTENANCE: (CONTRACTOR) FOR ALL PLANTINGS, SEEDED AND/OR SODDED LAWN AREAS: THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR A MINIMUM TIME PERIOD OF 60 DAYS, UNTIL FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OR SUPPLEMENT OF DEFICIENT SHREDDED HARDWOOD BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION UNTIL THE TIME WHEN THE OWNER'S ACCEPTANCE IS GIVEN.**
4. **MAINTENANCE: (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.**

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PROJECT:
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PROJECT LOCATION:
5215 VERONA ROAD
FITCHBURG, WI 53711

NOT FOR CONSTRUCTION

PLAN MODIFICATIONS:

#	Date:	Description:
1	11.19.2021	DD SUBMITTAL
2	01.19.2022	MUNICIPAL
3		
4		
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11		
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14		
15		

Designed By: MWS
Reviewed By: KJY
Approved By: KJY

SHEET TITLE:
LANDSCAPE DETAILS & NOTES

SHEET NUMBER:
L2.0

JSD PROJECT NO: 21-10852

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File: I:\2021\21108521DWG\Landscape Sheets\21108521 Landscape Sheets.dwg Layout: L2.0 DETAILS & NOTES User: mainlscadch Plotted: Jan 18, 2022 - 2:05pm Xref's: 21108521 Boys & Girls Club Fitchburg

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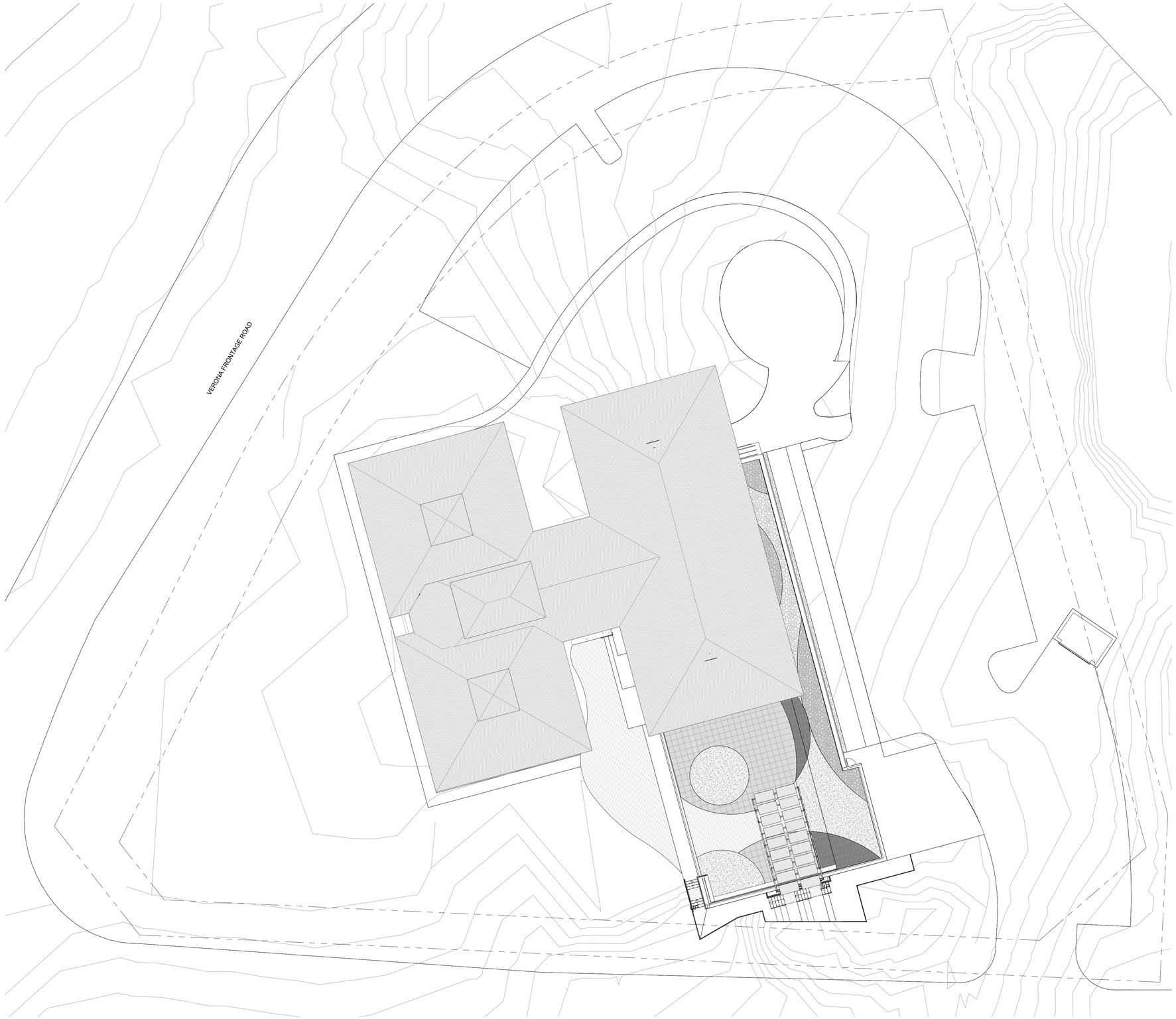

PLAN NORTH
A4
TRUE NORTH

SITE PLAN - FOR REFERENCE ONLY
1/16" = 1'-0"

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Revision	Description	Date

OPN Project No.
21628000

Sheet Issue Date
Design Development **11/19/2021**

Sheet Name
SITE GEOMETRY PLAN

Sheet Number
A002

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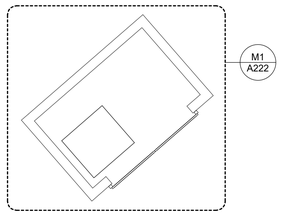

REFER TO CIVIL DRAWINGS FOR LOCATION OF TRASH ENCLOSURE ON SITE.

GENERAL NOTES

1. DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
2. ALL DOOR ROUGH OPENINGS AT INSIDE WALL CORNERS TO BE LOCATED 3" OFF OF FACE OF PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
3. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS - TYPICAL FOR ALL DRAWINGS.
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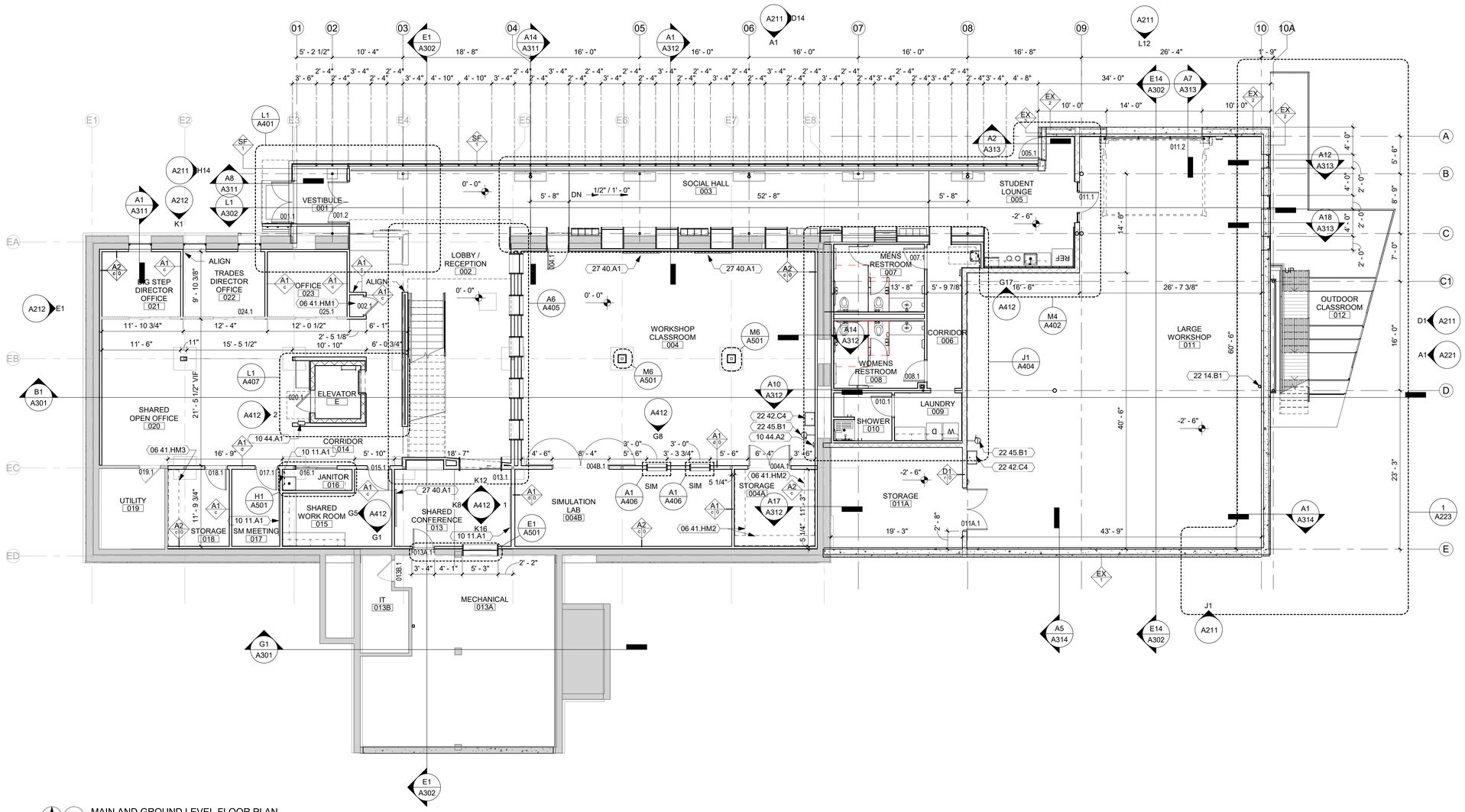
5. ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS MUST BE SEALED WITH APPROPRIATE FIRESTOPPING SYSTEM.
6. PATCH AND REPAIR EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION.
7. REPAIR AND REPAINT ALL EXISTING METAL DOWNSPOUTS AND GUTTERS - MATCH EXISTING & NEW SOFFIT AND FASCIA PAINT COLORS.

KEYNOTE LEGEND

06 41.HM1	COAT ROD & P-LAM SHELF
06 41.HM2	12" DEEP MELAMINE SHELVES ON WHITE ADJUSTABLE METAL BRACKETS & WALL MOUNTED WHITE METAL STANDARDS
06 41.HM3	18" DEEP MELAMINE SHELVES ON WHITE ADJUSTABLE METAL BRACKETS & WALL MOUNTED WHITE METAL STANDARDS
10 11.A1	DEKO DRY ERASE MARKER BOARD W/ ACCESSORY KIT IN DIAMOND FINISH - SEE INTERIOR ELEVATIONS FOR DIMENSIONS
10 44.A1	SEMI-RECESSED FIRE EXTINGUISHER CABINET, STAINLESS STEEL FINISH
10 44.A2	FIRE EXTINGUISHER ON WALL-MOUNT BRACKET
22 14.B1	CAST IRON ROOF DRAIN PIPING - REFER TO PLUMBING DRAWINGS
22 42.C4	STAINLESS STEEL HANDWASH SINK & PULL-DOWN SPRAYER FAUCET - SEE PLUMBING
22 45.B1	EMERGENCY EYEWASH UNIT
27 40.A1	WALL MOUNTED MONITOR AND RECESSED MOUNTING BOX BY A/V - COORDINATE WITH A/V CONSULTANT



A2 MAIN AND GROUND LEVEL FLOOR PLAN
1/8" = 1'-0"

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Revision Description Date

OPN Project No.
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Sheet Issue Date
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Sheet Name
MAIN LEVEL FLOOR PLAN

Sheet Number
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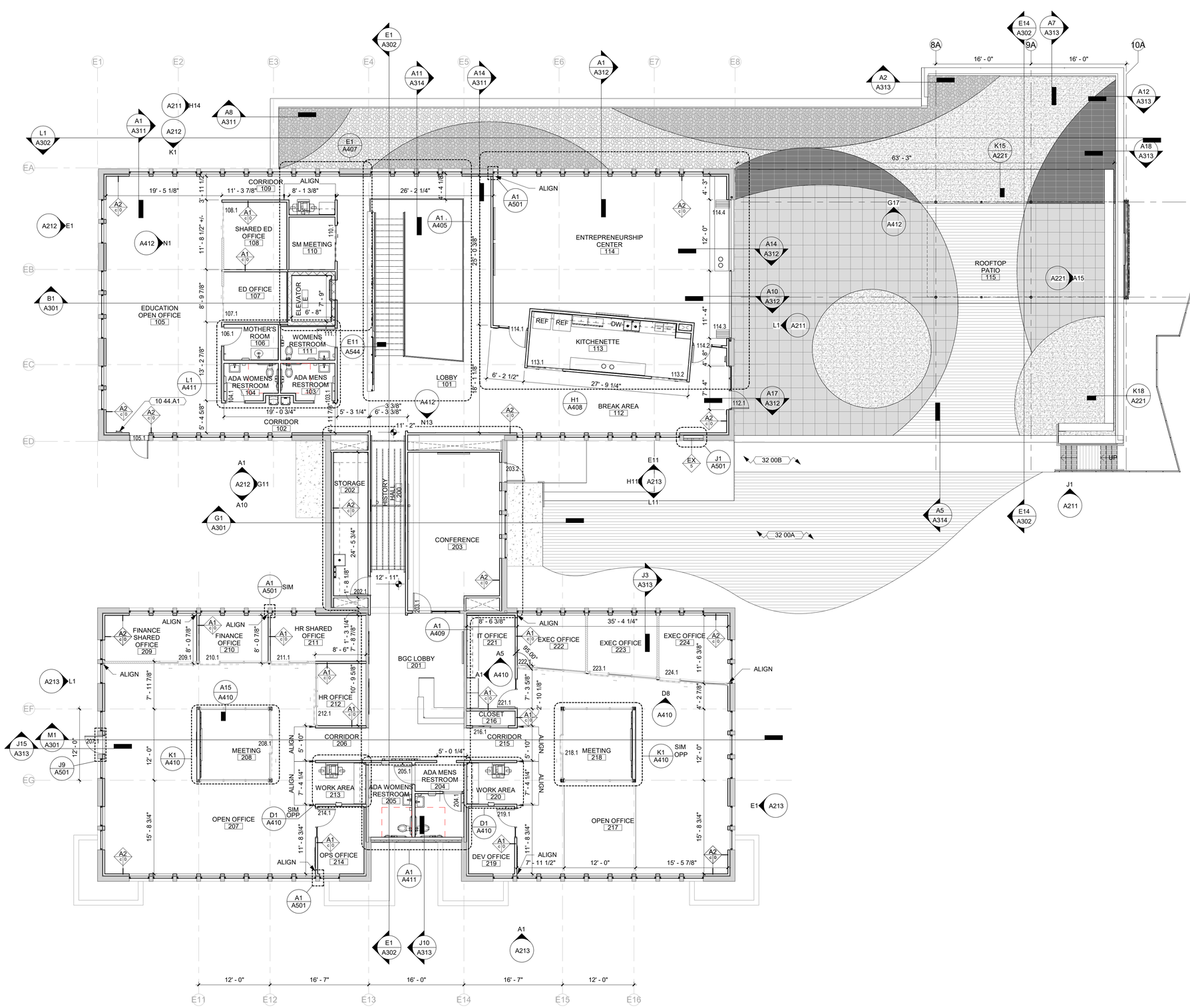

A1 LEVELS 1 AND 2 FLOOR PLAN
1/8" = 1'-0"

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KEYNOTE LEGEND

10 44.A1	SEMI-RECESSED FIRE EXTINGUISHER CABINET, STAINLESS STEEL FINISH
32 00A	LINEAR PAVERS - REFER TO CIVIL DRAWINGS
32 00B	SIDEWALK AND CONCRETE STEPS - REFER TO CIVIL DRAWINGS

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Revision	Description	Date

OPN Project No.
21628000

Sheet Issue Date
Design Development **11/19/2021**

Sheet Name
UPPER LEVEL FLOOR PLAN

Sheet Number
A102

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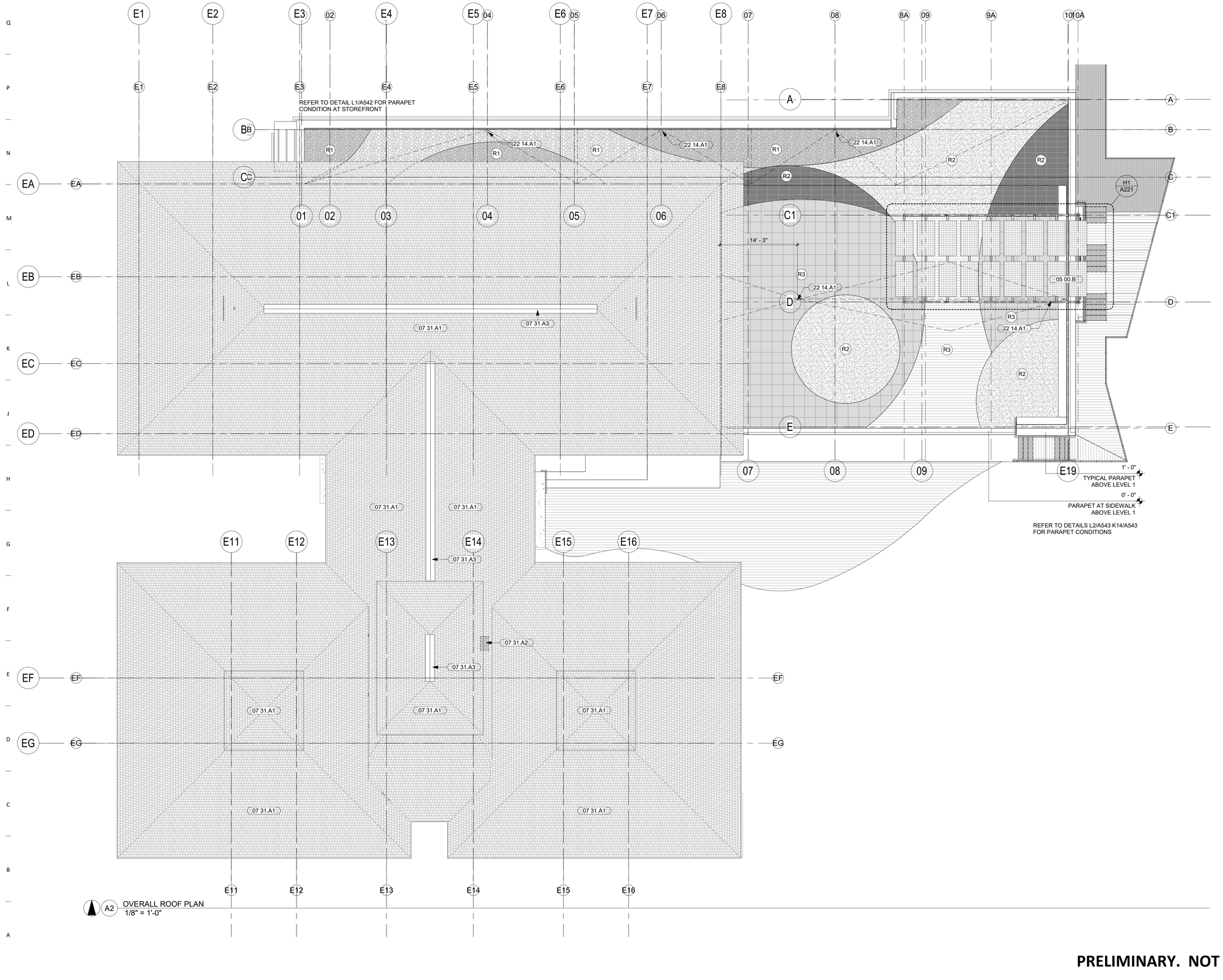

A2 OVERALL ROOF PLAN
1/8" = 1'-0"

KEYNOTE LEGEND

05 00.B	NEW SOLAR PANEL PERGOLA - COORDINATE WITH STRUCTURAL AND ELECTRICAL DRAWINGS
07 31.A1	NEW ROOF SHINGLES, RIDGE VENTS, UNDERLAYMENT, AND ICE AND WATER SHIELD. NEW SPRAY FOAM INSULATION AT ROOF FRAMING. REFER TO DETAIL L1/A541 FOR EXTENTS OF INSULATION AND OTHER WORK TO OCCUR AT ALL AREAS OF EXISTING SHINGLE ROOF.
07 31.A2	PATCH SHEATHING, AS NEEDED, WHERE PREVIOUS PENETRATIONS WERE REMOVED (TYP).
07 31.A3	NEW RIDGE VENT
22 14.A1	ROOF DRAIN - REFER TO PLUMBING DRAWINGS. TAPER INSULATION TO DRAIN.

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Revision	Description	Date

OPN Project No.
21628000

Sheet Issue Date
Design Development **11/19/2021**

Sheet Name
ROOF PLAN

Sheet Number
A110

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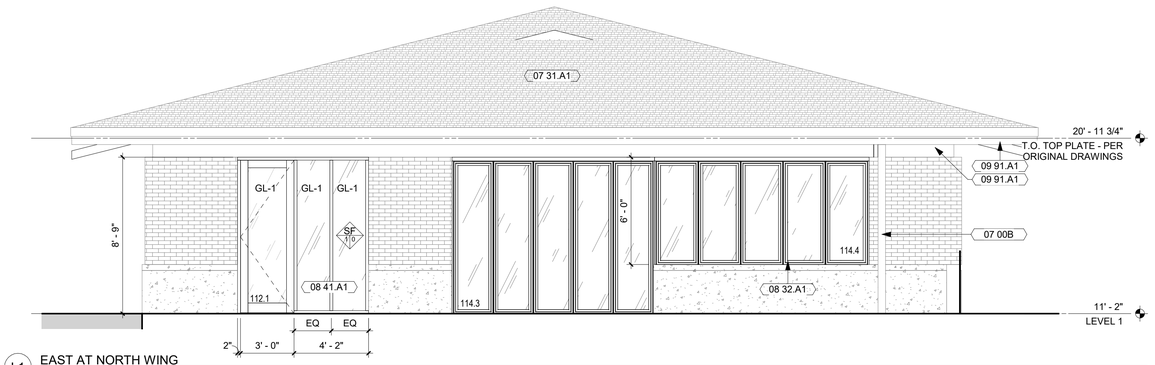
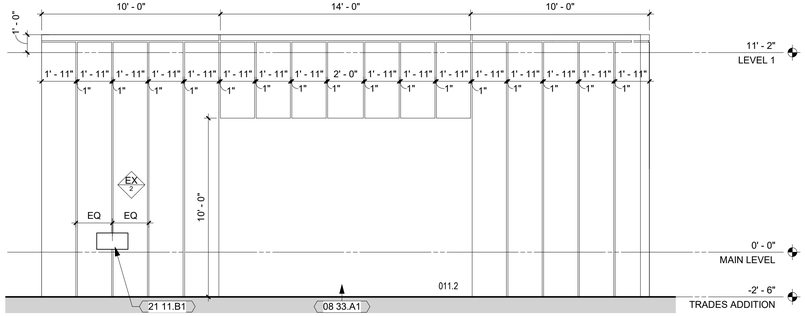


L1 EAST AT NORTH WING
1/4" = 1'-0" Ref. A1/ A102



L12 NORTH AT MAIN LEVEL ADDITION, EAST SIDE
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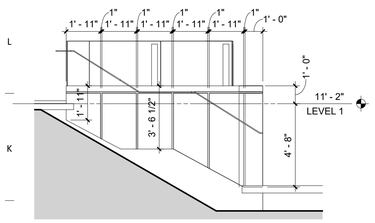

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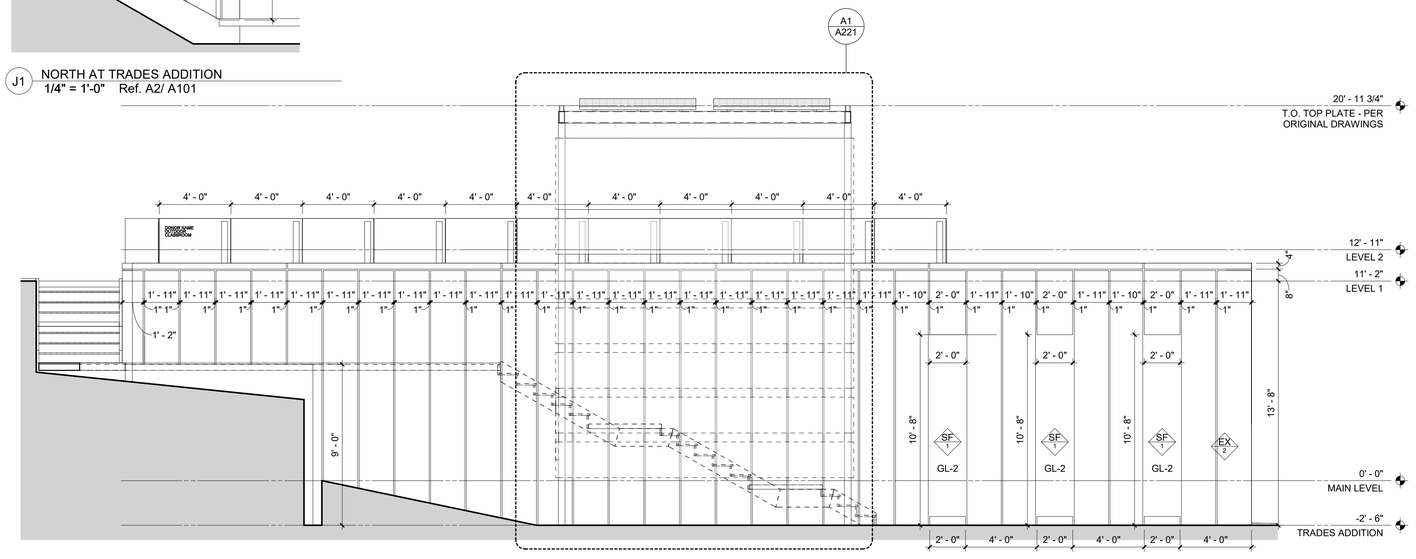

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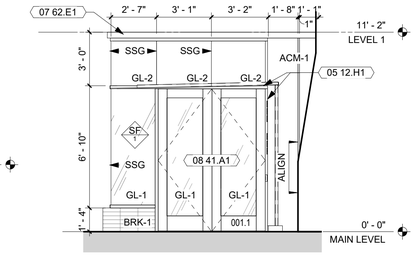
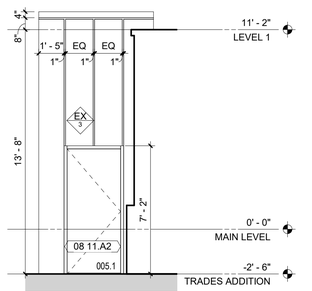
1/4" = 1'-0" Ref. A2/ A101

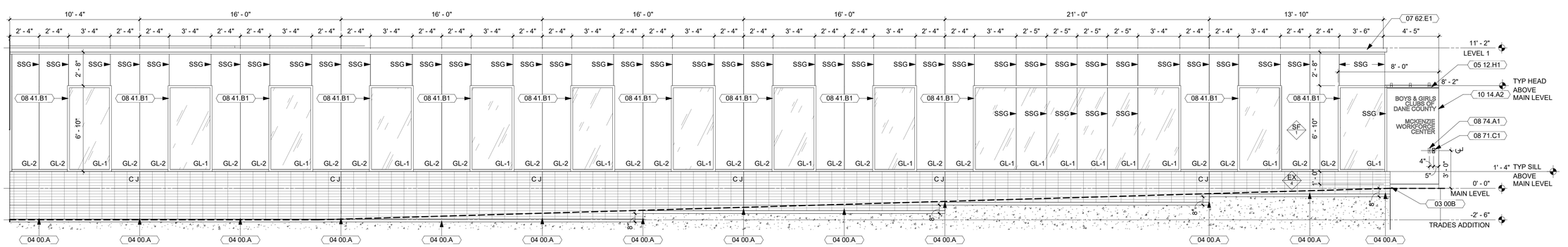




H14 WEST AT MAIN ENTRY
1/4" = 1'-0" Ref. A2/ A101

D1 EAST AT MAIN LEVEL ADDITION
1/4" = 1'-0" Ref. A2/ A101

D14 WEST AT MAIN LEVEL ADDITION, EAST SIDE
1/4" = 1'-0" Ref. A2/ A101



A1 NORTH AT MAIN LEVEL ADDITION, WEST SIDE
1/4" = 1'-0" Ref. A2/ A101

PRELIMINARY. NOT FOR CONSTRUCTION.

GENERAL NOTES

1. DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
2. ALL DOOR ROUGH OPENINGS AT INSIDE WALL CORNERS TO BE LOCATED 3" OFF OF FACE OF PERPENDICULAR WALL UNLESS NOTED OTHERWISE.
3. FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS - TYPICAL FOR ALL DRAWINGS.
4. IN THE EVENT OF A DISCREPANCY BETWEEN ARCHITECTURAL AND CONSULTANT DRAWINGS, NOTIFY ARCHITECT IMMEDIATELY PRIOR TO COMMENCING WORK - TYPICAL FOR ALL DRAWINGS.
5. ALL PENETRATIONS IN FIRE RATED FLOORS AND WALLS MUST BE SEALED WITH APPROPRIATE FIRESTOPPING SYSTEM.
6. PATCH AND REPAIR EXISTING FLOOR SLABS AND WALL SURFACES DAMAGED FROM DEMOLITION.
7. REPAIR AND REPAINT ALL EXISTING METAL DOWNSPOUTS AND GUTTERS - MATCH EXISTING & NEW SOFFIT AND FASCIA PAINT COLORS.

KEYNOTE LEGEND

03 00B	LINE OF BRICK LEDGE AT FOUNDATION WALL
04 00.A	ALIGN MORTAR JOINT TO STOREFRONT SYSTEM VERTICAL AS SHOWN, TYP.
05 12.H1	PLATE STEEL CANOPY, REFER TO VESTIBULE DETAILS.
07 00B	EXISTING GUTTER AND DOWNSPOUT TO REMAIN, CUT TO DISCHARGE ONTO ADDITION ROOF AND PAINT PT-6.
07 31.A1	NEW ROOF SHINGLES, RIDGE VENTS, UNDERLAYMENT, AND ICE AND WATER SHIELD. NEW SPRAY FOAM INSULATION AT ROOF FRAMING. REFER TO DETAIL L1/A541 FOR EXTENTS OF INSULATION AND OTHER WORK TO OCCUR AT ALL AREAS OF EXISTING SHINGLE ROOF.
07 62.E1	PREFINISHED METAL FASCIA, COLOR TO MATCH RAL 9004.
08 11.A2	HOLLOW METAL DOOR & FRAME, PAINT EXTERIOR TO MATCH RAL 7022, PAINT INTERIOR AS SCHEDULED.
08 32.A1	FOLDING GLASS WALL, B.O.D. NANAWALL SL60 KITCHEN TRANSITION STYLE, INWARD STACK, FLOOR-SUPPORTED, ALL-WEATHER SILL. FINISH: POWDER COAT RAL 9004.
08 33.A1	INSULATED LOW-HEADROOM OVERHEAD DOOR, B.O.D. HORMANN SG-5000-LH-42 WITH THREE ROWS OF VISION LITES, FINISH: POWDER COAT RAL 7022.
08 41.A1	ALUMINUM STOREFRONT SYSTEM AND DOOR, SF-1 - REFER TO EXTERIOR MATERIAL SPECIFICATIONS SHEET A201.
08 41.B1	STANDARD 2" PROFILE MULLION AT TOP, BASE, SIDES OF CLEAR GLASS PORTAL
08 71.C1	AUTOMATIC DOOR ACTUATOR, NARROW STYLE, STAINLESS STEEL FINISH
08 74.A1	CARD READER
09 91.A1	STRIP EXISTING PAINT AND RE-PAINT AT EXISTING WOOD FASCIA AND SIDING, MATCH EXISTING PAINT COLOR.
10 14.A2	ILLUMINATED BUILDING SIGNAGE - COORDINATE ELECTRICAL REQUIREMENTS
21 11.B1	FIRE DEPT CONNECTION, VERIFY HEIGHT WITH FIRE DEPARTMENT

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Revision	Description	Date

OPN Project No.
21628000

Sheet Issue Date
Design Development **11/19/2021**

Sheet Name
PARTIAL EXTERIOR ELEVATIONS

Sheet Number
A211

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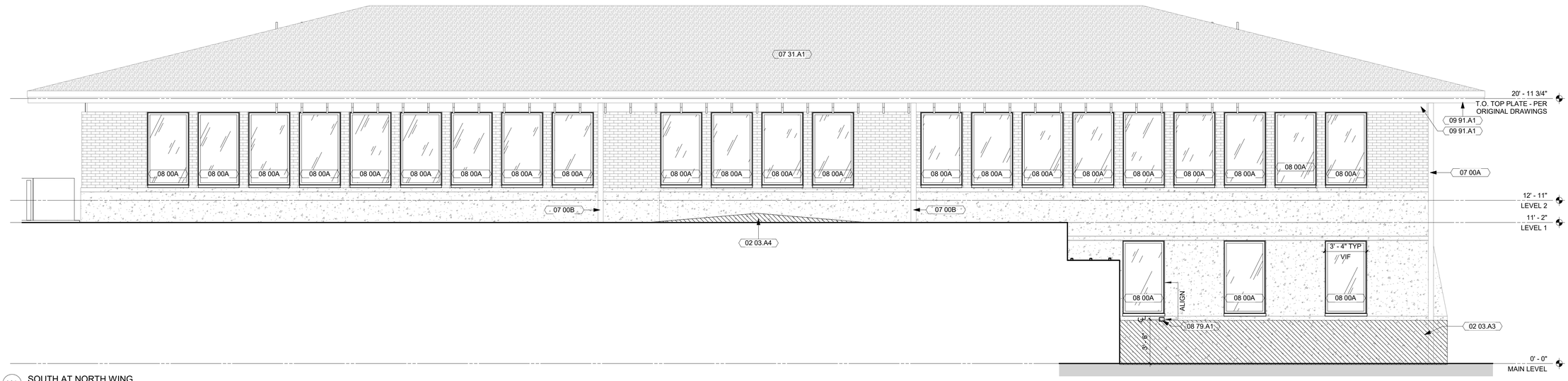
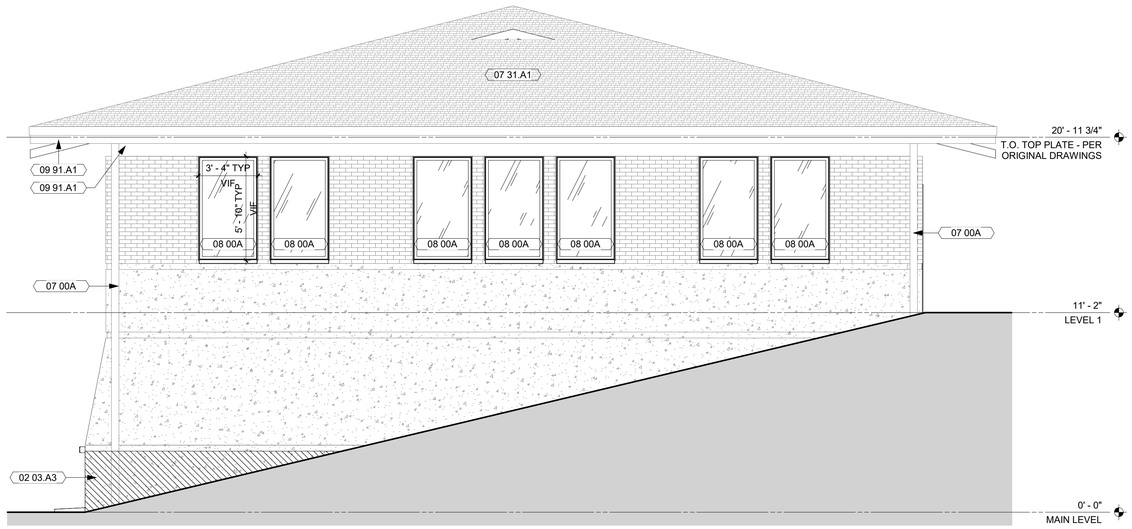
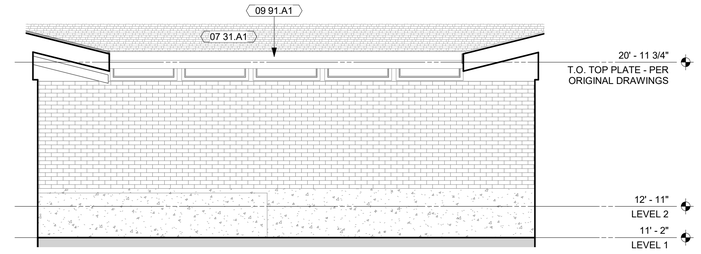


K1 SOUTH AT NORTH WING
1/4" = 1'-0" Ref. A2/ A101



E1 WEST AT NORTH WING
1/4" = 1'-0" Ref. A2/ A101



G11 WEST AT CONNECTOR
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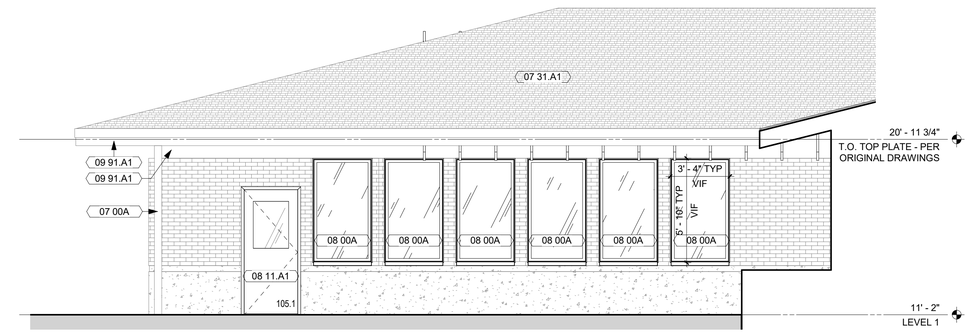

A1 NORTH AT WEST SIDE, NORTH WING
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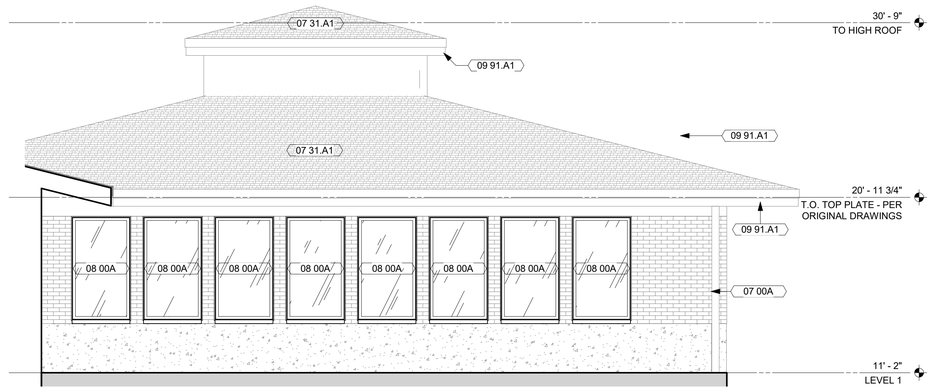

A10 SOUTH AT WEST SIDE, SOUTH WING
1/4" = 1'-0" Ref. A1/ A102

GENERAL NOTES

1. DIMENSIONS ARE MEASURED FACE-OF-FINISH TO FACE-OF-FINISH OR ROUGH MASONRY OPENING UNLESS NOTED OTHERWISE - TYPICAL FOR ALL DRAWINGS.
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7. REPAIR AND REPAINT ALL EXISTING METAL DOWNSPOUTS AND GUTTERS - MATCH EXISTING & NEW SOFFIT AND FASCIA PAINT COLORS.

KEYNOTE LEGEND

02 03.A3	EXISTING CONCRETE WALL TO REMAIN AFTER REMOVAL OF CONCRETE PLANTER - CLEAN AND TREAT EXISTING POURED-IN-PLACE CONCRETE, AS NEEDED, AFTER REMOVAL OF PLANTER WALLS AND SOIL - MATCH EXISTING EXPOSED CONCRETE WALL FINISH & COLOR - COORDINATE FINISH APPROVAL W/ ARCHITECT
02 03.A4	EXISTING CONCRETE WALL TO REMAIN AFTER REMOVAL OF VESTIBULE ROOFING SYSTEM - CLEAN AND TREAT EXISTING POURED-IN-PLACE CONCRETE, AS NEEDED, AFTER REMOVAL OF ROOFING MATERIAL - MATCH EXISTING EXPOSED CONCRETE WALL FINISH & COLOR - COORDINATE FINISH APPROVAL W/ ARCHITECT
07 00A	EXISTING GUTTER AND DOWNSPOUT TO REMAIN, EXTEND TO NEW GRADE AND PAINT PT-6.
07 00B	EXISTING GUTTER AND DOWNSPOUT TO REMAIN, CUT TO DISCHARGE ONTO ADDITION ROOF AND PAINT PT-6.
07 31.A1	NEW ROOF SHINGLES, RIDGE VENTS, UNDERLAYMENT, AND ICE AND WATER SHIELD. NEW SPRAY FOAM INSULATION AT ROOF FRAMING. REFER TO DETAIL L1/A541 FOR EXTENTS OF INSULATION AND OTHER WORK TO OCCUR AT ALL AREAS OF EXISTING SHINGLE ROOF.
08 00A	REPLACE EXISTING WINDOW - B.O.D. PELLA IMPERVIA SINGLE PANEL CASEMENT, BLACK FINISH
08 11.A1	HOLLOW METAL DOOR & FRAME, PAINT EXTERIOR TO MATCH RAL 9004, PAINT INTERIOR AS SCHEDULED.
08 79.A1	KNOX BOX, BLACK FINISH
09 91.A1	STRIP EXISTING PAINT AND PREP SURFACE FOR NEW PAINT - MATCH EXISTING PAINT COLOR.

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Revision	Description	Date

OPN Project No.
21628000

Sheet Issue Date
Design Development **11/19/2021**

Sheet Name
PARTIAL EXTERIOR ELEVATIONS

Sheet Number
A212

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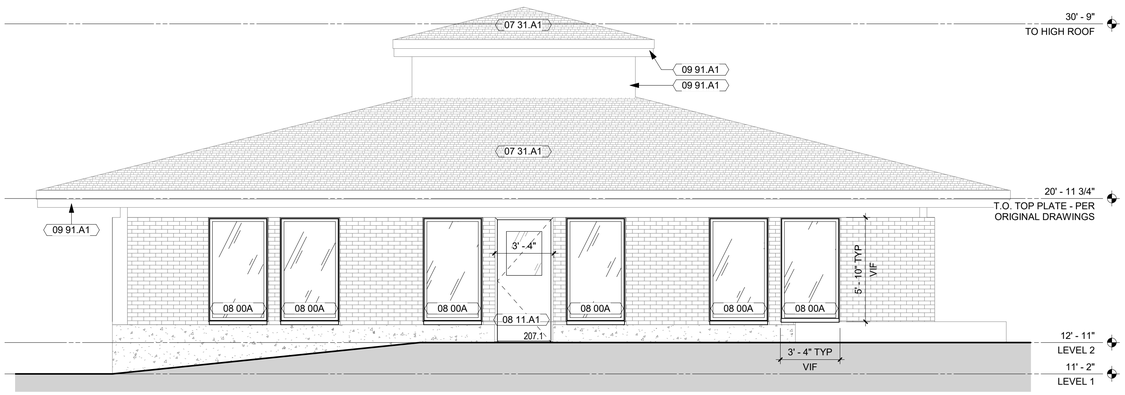

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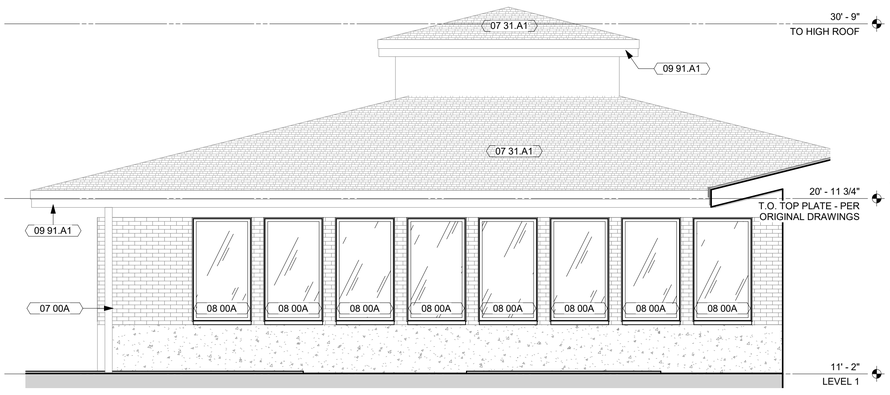
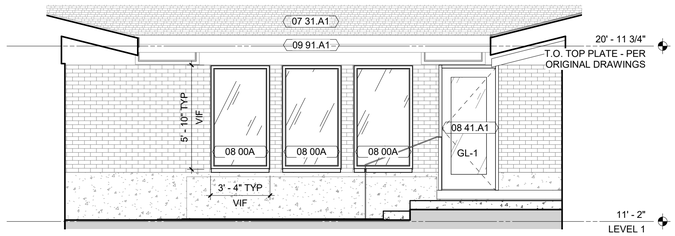
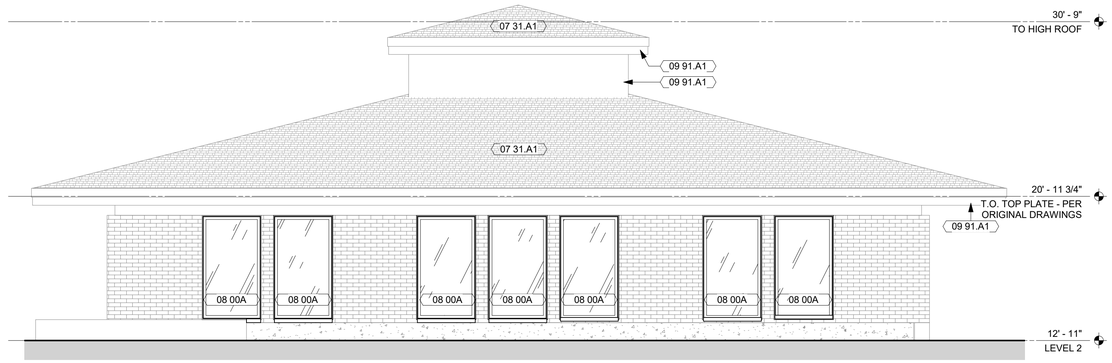
1/4" = 1'-0" Ref. A1/ A102



L11 SOUTH AT EAST SIDE, SOUTH WING
1/4" = 1'-0" Ref. A1/ A102

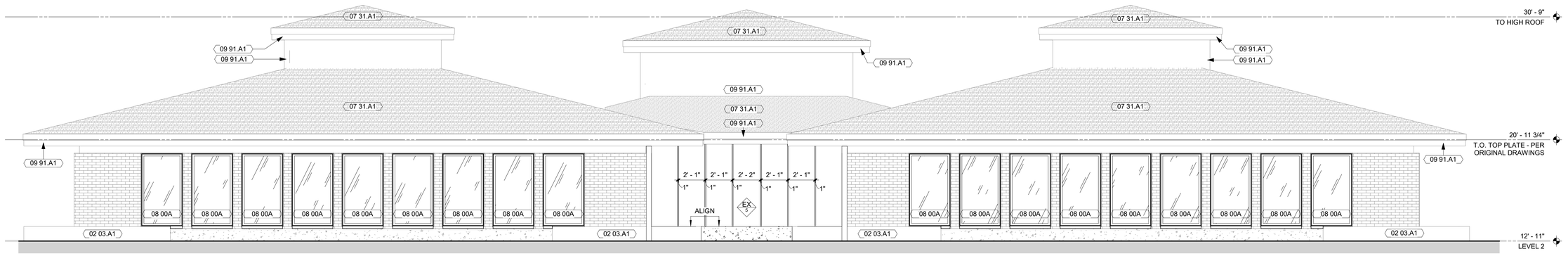


H11 EAST AT CONNECTOR
1/4" = 1'-0" Ref. A1/ A102



E1 EAST AT SOUTH WING
1/4" = 1'-0" Ref. A1/ A102

E11 NORTH AT EAST SIDE, NORTH WING
1/4" = 1'-0" Ref. A1/ A102



A1 NORTH AT SOUTH WING
1/4" = 1'-0" Ref. A1/ A102

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KEYNOTE LEGEND

02 03.A1	EXISTING CONCRETE PLANTER TO REMAIN
07 00A	EXISTING GUTTER AND DOWNSPOUT TO REMAIN. EXTEND TO NEW GRADE AND PAINT PT-6.
07 31.A1	NEW ROOF SHINGLES, RIDGE VENTS, UNDERLAYMENT, AND ICE AND WATER SHIELD. NEW SPRAY FOAM INSULATION AT ROOF FRAMING. REFER TO DETAIL L1/A541 FOR EXTENTS OF INSULATION AND OTHER WORK TO OCCUR AT ALL AREAS OF EXISTING SHINGLE ROOF.
07 42.B2	ALUMINUM COMPOSITE METAL (ACM) PANEL SYSTEM AT EXISTING DOOR INFILL, SEE A201 EXTERIOR MATERIAL SPECIFICATIONS
08 00A	REPLACE EXISTING WINDOW - B.O.D. PELLA IMPERVIA SINGLE PANEL CASEMENT, BLACK FINISH
08 11.A1	HOLLOW METAL DOOR & FRAME, PAINT EXTERIOR TO MATCH RAL 9004, PAINT INTERIOR AS SCHEDULED.
08 41.A1	ALUMINUM STOREFRONT SYSTEM AND DOOR, SF-1 - REFER TO EXTERIOR MATERIAL SPECIFICATIONS SHEET A201.
09 91.A1	STRIP EXISTING PAINT AND RE-PAINT AT EXISTING WOOD FASCIA AND SIDING, MATCH EXISTING PAINT COLOR.

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Revision	Description	Date

OPN Project No.
21628000

Sheet Issue Date
Design Development **11/19/2021**

Sheet Name
PARTIAL EXTERIOR ELEVATIONS

Sheet Number
A213

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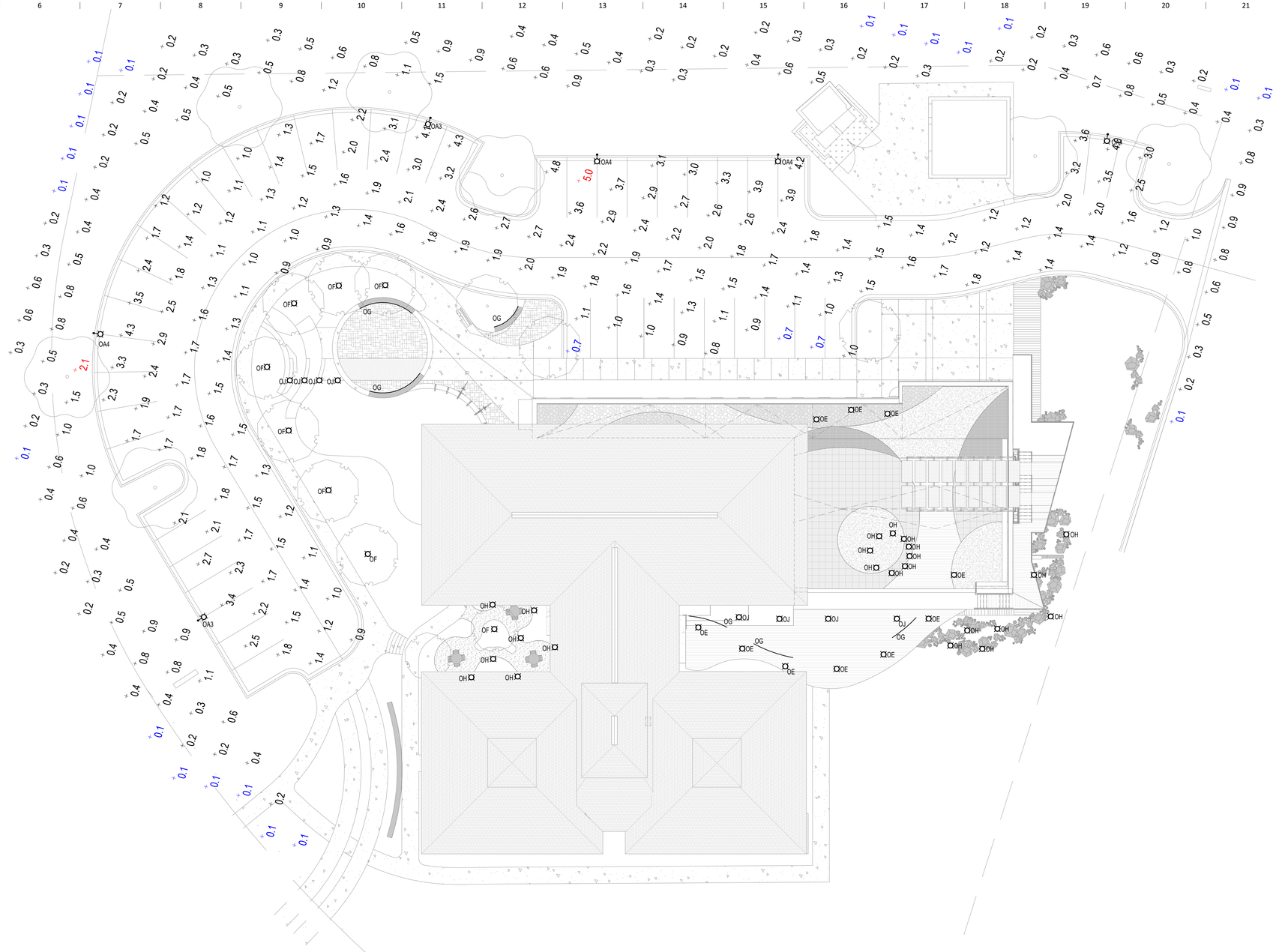

1 SITE PLAN - LIGHTING CALCS
1/16" = 1'-0"

STATISTICS					
	AVERAGE	MAXIMUM	MINIMUM	MAX/MIN	AVERAGE/MIN
DRIVE CALC	1.9 fc	5.0 fc	0.7 fc	7.1:1	2.7:1
PROPERTY LINE	0.4 fc	2.1 fc	0.1 fc	21.0:1	4.0:1

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Revision	Description	Date

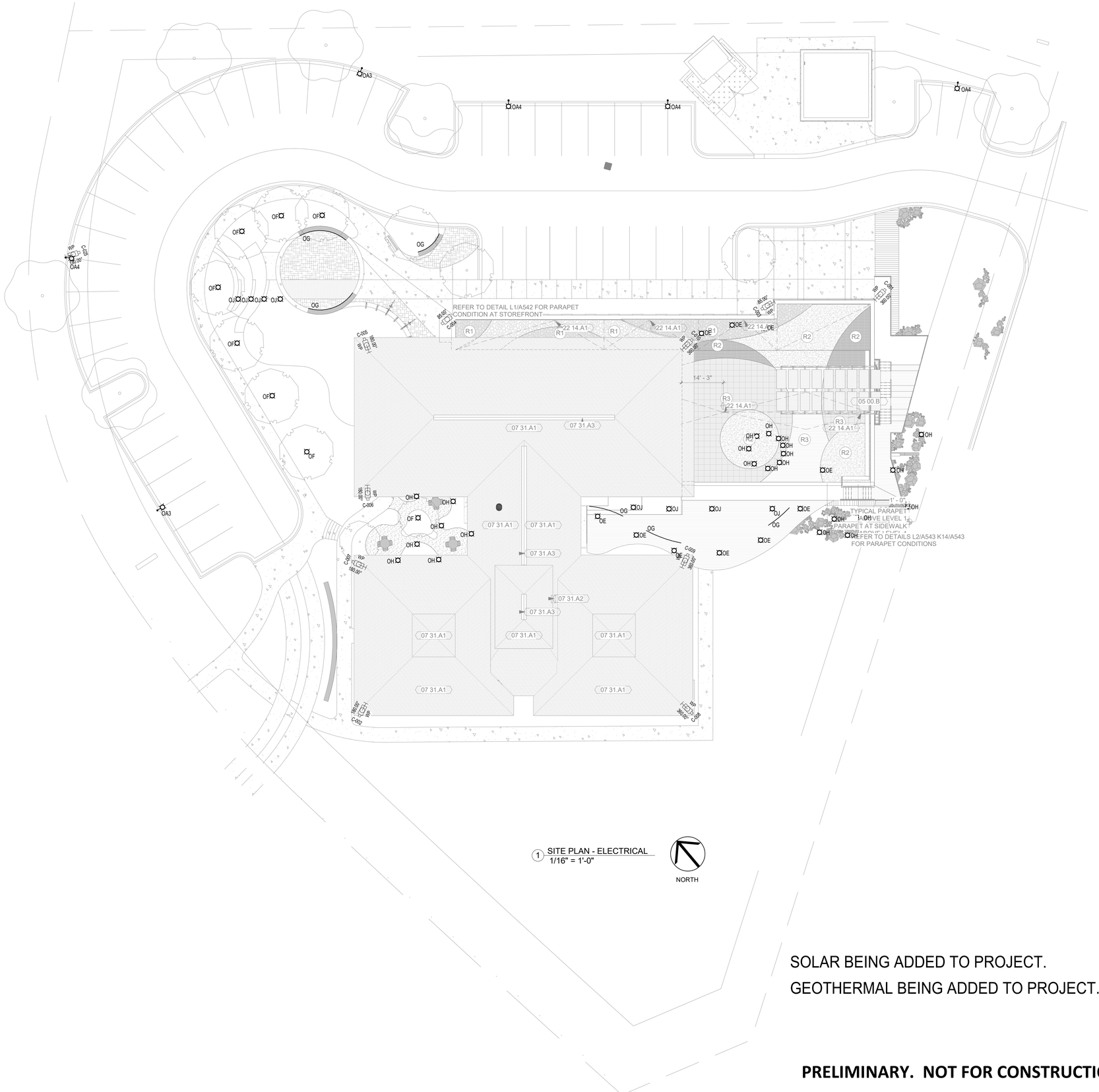
OPN Project No.
Project Number

Sheet Issue Date
Project Status **12/22/21**

Sheet Name
SITE PLAN - LIGHTING CALCS

Sheet Number
ES-101

PRINTED: 1/5/2022 9:13:55 AM



1 SITE PLAN - ELECTRICAL
1/16" = 1'-0"

NORTH

SOLAR BEING ADDED TO PROJECT.

GEOTHERMAL BEING ADDED TO PROJECT.

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Revision	Description	Date

OPN Project No.
Project Number

Sheet Issue Date
Project Status **10/06/21**

Sheet Name
SITE PLAN ELECTRICAL

Sheet Number
ES-100

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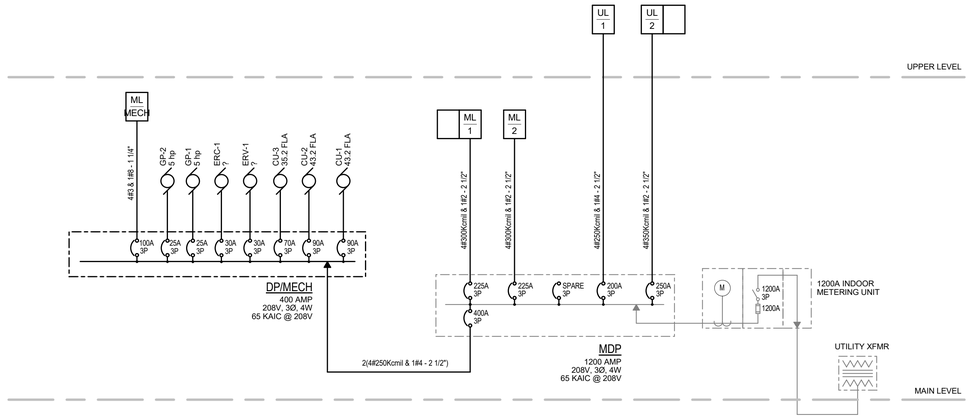
LIGHT FIXTURE SCHEDULE - BOY'S & GIRL'S CLUB McKENZIE CENTER as of 12.14.21

TAG	LAMP DATA				LIGHTING FIXTURE		MOUNT	CEILING	FIXTURE DEPTH	VOLT	SEE
	LUMENS	CCT	WATTS		MAKE	CATALOG NUMBER		TYPE			NOTE
A4	600/FT	3500	6/FT	4 FT x 4"W RECESS SLOT - 1% DIM - 9/16" TEGULAR	MARK LIGHTING	SL4L LOP 4 FLP TG 80CRI 35K 600LMF MIN1 120	REC	LAY-IN	4 3/8"	120	
A4F	600/FT	3500	6/FT	4 FT x 4"W RECESS SLOT - 1% DIM - FLANGED TRIM	MARK LIGHTING	SL4L LOP 4 FLP GB 80CRI 35K 600LMF MIN1 120	REC	GYP BD	4 3/8"	120	
A6	600/FT	3500	6/FT	6 FT x 4"W RECESS SLOT - 1% DIM - 9/16" TEGULAR	MARK LIGHTING	SL4L LOP 6 FLP TG 80CRI 35K 600LMF MIN1 120	REC	LAY-IN	4 3/8"	120	
A6F	600/FT	3500	6/FT	6 FT x 4"W RECESS SLOT - 1% DIM - FLANGED TRIM	MARK LIGHTING	SL4L LOP 6 FLP GB 80CRI 35K 600LMF MIN1 120	REC	GYP BD	4 3/8"	120	
A8	600/FT	3500	6/FT	8 FT x 4"W RECESS SLOT - 1% DIM - 9/16" TEGULAR	MARK LIGHTING	SL4L LOP 8 FLP TG 80CRI 35K 600LMF MIN1 120	REC	LAY-IN	4 3/8"	120	
A12	600/FT	3500	6/FT	12 FT x 4"W RECESS SLOT - 1% DIM - 9/16" TEGULAR	MARK LIGHTING	SL4L LOP 12 FLP TG 80CRI 35K 600LMF MIN1 120	REC	LAY-IN	4 3/8"	120	
A12F	600/FT	3500	6/FT	12 FT x 4"W RECESS SLOT - 1% DIM - FLANGED TRIM	MARK LIGHTING	SL4L LOP 12 FLP GB 80CRI 35K 600LMF MIN1 120	REC	GYP BD	4 3/8"	120	
A14	600/FT	3500	6/FT	14 FT x 4"W RECESS SLOT - 1% DIM - 9/16" TEGULAR	MARK LIGHTING	SL4L LOP 14 FLP TG 80CRI 35K 600LMF MIN1 120	REC	LAY-IN	4 3/8"	120	
A16	600/FT	3500	6/FT	16 FT x 4"W RECESS SLOT - 1% DIM - 9/16" TEGULAR	MARK LIGHTING	SL4L LOP 16 FLP TG 80CRI 35K 600LMF MIN1 120	REC	LAY-IN	4 3/8"	120	
B4	600/FT	3500	6/FT	4 FT x 4"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S4LS LLP 4 FLP 80CRI 35K 600LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	3 3/4"	120	
C6	1000/FT	3500	10/FT	4 FT x 4"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S4LS LLP 6 FLP 80CRI 35K 1000LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	3 3/4"	120	
D4	600/FT	3500	6/FT	4 FT x 1.5"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S1LS LLP 4 FLP 90CRI 35K 600LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	2 3/8"	120	
D6	600/FT	3500	6/FT	6 FT x 1.5"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S1LS LLP 6 FLP 90CRI 35K 600LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	2 3/8"	120	
D8	600/FT	3500	6/FT	8 FT x 1.5"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S1LS LLP 8 FLP 90CRI 35K 600LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	2 3/8"	120	
F4	1000/FT	3500	10/FT	4 FT x 1.5"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S1LS LLP 4 FLP 90CRI 35K 1000LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	2 3/8"	120	
F6	1000/FT	3500	10/FT	6 FT x 1.5"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S1LS LLP 6 FLP 90CRI 35K 1000LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	2 3/8"	120	
F8	1000/FT	3500	10/FT	8 FT x 1.5"W SURFACE SLOT - 1% DIM - BLACK GLOSS FINISH	MARK LIGHTING	S1LS LLP 8 FLP 90CRI 35K 1000LMF MIN1 MVOLT BLK	SURF	EXP STRUCT	2 3/8"	120	
G2	3300	3500	28	2' x 2 ' FLAT PANEL - FIELD SWITCHABLE	LITHONIA	CPANL 2X2 24/33/44LM 35K M4	RECESS	LAY-IN	1 1/4"	120	
G4	4000	3500	32	2' x 4 ' FLAT PANEL - FIELD SWITCHABLE	LITHONIA	CPANL 2X4 40/50/60LM 35K M4	RECESS	LAY-IN	1 1/4"	120	
H4	4135	3500	36	4FT STRIP - SWITCHABLE LUMENS - WITH AIRCRAFT CABLE HANGER	LITHONIA	CSS L48 ALO3(switchable) MVOLT 35K 80CRI / ZACVH	VARIES	VARIES	2 1/4"	120	
H8	10115	3500	88	8FT STRIP - SWITCHABLE LUMENS - WITH AIRCRAFT CABLE HANGER	LITHONIA	CSS L96 ALO3(switchable) MVOLT 35K 80CRI / ZACVH	VARIES	VARIES	2 1/4"	120	
J1	546	3500	9	18" UNDERCABINET LIGHT	JUNO	UCES 18IN SWW4 90CRI WH	SURFACE	UNDERCAB	1.07"	120	
J2	736	3500	11	24" UNDERCABINET LIGHT	JUNO	UCES 24IN SWW4 90CRI WH	SURFACE	UNDERCAB	1.07"	120	
J3	1135	3500	17	36"FT UNDERCABINET LIGHT	JUNO	UCES 36IN SWW4 90CRI WH	SURFACE	UNDERCAB	1.07"	120	
K1	1512	3500	18	4" SQUARE APER DOWNLIGHT 1500 LUMENS	LITHONIA	LDN4SQ 35/15 LS4 AR LD MVOLT EZ10	REC	VARIES	5 3/4"	120	
L	968	3500	14	6" ROUND APER WAFER - 950 LUMENS	JUNO	WF6 REG SWV5 90CRI MV + WF6 PAN	REC	GYP BD	1 1/2"	120	
M	2000	3500	18	6" X 8" SURFACE CYLINDER - BLACK	SSL	SSC6 08 SFUNV 930 20L BKI 50 LE CO	SURFACE	EXP STRUCT	8"	120	
Q100	406/FT	3500	3/FT	LED TAPE - PROVIDE (1) 100FT CONTINUOUS RUN MADE INTO (4) 25FT LENGTHS WITH POWER LEAD CABLES	OMNI-LIGHT	GENESIS 2.0 HO SERIES : (95) TRU 35 HO 22FT	SURFACE	45 DEGREE CHANNEL			
				(25) 4FT 45 DEGREE CHANNELS WITH FROSTED LENS	OMNI-LIGHT	(25) OCH-45-4-FR + (4)PS2-96-E-24 PWR SUPPLY	SURFACE	STOREFRONT			
Q20	406/FT	3500	3/FT	LED TAPE - PROVIDE (1) 20FT CONTINUOUS RUN MADE INTO (1) 8FT & (1) 12FT LENGTHS EACH WITH POWER LEAD CABLES	OMNI-LIGHT	GENESIS 2.0 HO SERIES : (95) TRU 35 HO 22FT	SURFACE	45 DEGREE CHANNEL			
				(5) 4FT 45 DEGREE CHANNELS WITH FROSTED LENS	OMNI-LIGHT	(5) OCH-45-4-FR + (1)PS2-96-E-24 PWR SUPPLY	SURFACE	STOREFRONT			
AA2	585	3000	15	24" VANITY LINEAR LIGHT OR SCONCE - MTD HORIZONTALLY - BLACK	KUZCO	VEGA : WS10324 BK	SURFACE	WALL	1 3/4" EXT	120	
AA3	835	3000	23	36" VANITY LINEAR LIGHT OR SCONCE - MTD VERTICALLY - BLACK	KUZCO	VEGA : WS10336 BK	SURFACE	WALL	1 3/4" EXT	120	
AB	5065	3000	145	MULTIPLE PENDANT - CLUSTER OF (5) 4FT LINEAR'S	KUZCO	VEGA : MP10305 BK	PENDANT	GYP BD		120	
AC	2037	3000	67	MULTIPLE PENDANT - CLUSTER OF (2) 36" & (3) 20" LINEAR'S	KUZCO	VEGA : MP18350 BK	PENDANT	LAY-IN		120	
X1		GREEN	1	EXIT SIGN - SINGLE FACE - THERMOPLASTIC W/BATTERY	LITHONIA	LQM S W 3 G MVOLT EL N SD	SURF	VARIES	7 5/8"	120	
X2		GREEN	1	EXIT SIGN - DOUBLE FACE - THERMOPLASTIC W/BATTERY	LITHONIA	LQM S W 3 G MVOLT EL N SD	SURF	VARIES	7 5/8"	120	
X3		GREEN	1	COMBO EXIT SIGN/EBU - THERMOPLASTIC 24FT SPACING @ 7.5FT MTG HT	LITHONIA	LHQM LED G SD	SURF	VARIES	7 5/8"	120	
EBU-1				EMERGENCY BATTERY UNIT - 30FT SPACING @ 7.5 MTG HT	LITHONIA	ELM2L	SURF	WALL	3" EXT	120	
EBU-2	640		6.6	EMERGENCY BATTERY UNIT - 60FT SPACING @ 7.5 MTG HT	LITHONIA	ELM4L	SURF	WALL	3 3/4"	120	
OA3	22,756	3000	187	AREA LIGHT - TYPE III DISTRIBUTION - 20FT POLE W/3FT BASE - BLACK	LITHONIA	RSX2 LED P3 30K R3 MVOLT SPA PE DBLXD	SURF	20FT POLE		120	
OA4	23,054	3000	187	AREA LIGHT - TYPE IV DISTRIBUTION - 20FT POLE W/3FT BASE - BLACK	LITHONIA	RSX2 LED P3 30K R4 MVOLT SPA PE DBLXD	SURF	20FT POLE		120	
OB	6543	3000	51	WALL PACK (MOUNTED ABOVE GARAGE DOOR) - BLACK	LITHONIA	RSX1 LED P1 30K R4 MVOLT WBA PE DBLXD	SURF	WALL		120	
OC	1500	4000	32	WALL SECURITY LIGHT - 9"W X 6.5"H - BLACK - WITH BATTERY BACKUP	BARRON	SLW 15 4K BL EM	SURF	WALL	2 5/8" EXT	120	
OE	1389	4000	22	BOLLARD - 36"H - BLACK FINISH	CREE	PATHWAY EDGE : PWY-EDG 3M P3 0S E 12 BK 350 TL2	SURF	CONCREETE BASE	36"	120	
OF	780 o 2150	3000	13 to 31	LANDSCAPE ACCENT LIGHT TO HIGHLIGHT TREES	WAC	GRAND ACCENT : 5212 30BK	SURF	GROUND	10"	120	
OG-8	50/FT	3000	3/FT	8 FT FLEXIBLE LED TAPE TO HIGHLIGHT UNDERSIDE OF SEATING AREAS	ACOLYTE	NEON SILHOUETTE : NLS 3.030 S - 8ft + NLSMOUNT CLIP	SURF	UNDERSIDE of BENCH	3/4"	24w/120	
OG-12	50/FT	3000	3/FT	12 FT FLEXIBLE LED TAPE TO HIGHLIGHT UNDERSIDE OF SEATING AREAS	ACOLYTE	NEON SILHOUETTE : NLS 3.030 S - 12ft + NLSMOUNT CLIP	SURF	UNDERSIDE of BENCH	3/4"	24w/120	
OG-18	50/FT	3000	3/FT	18 FT FLEXIBLE LED TAPE TO HIGHLIGHT UNDERSIDE OF SEATING AREAS	ACOLYTE	NEON SILHOUETTE : NLS 3.030 S - 18ft + NLSMOUNT CLIP	SURF	UNDERSIDE of BENCH	3/4"	24w/120	
OH	150	2700	2	LANDSCAPE LIGHT INSIDE PLANTER	HINKLEY	ATLANTIS : 1518SK-LL SATIN BLACK				12v/120	
OJ	2159	3500	22	IN-GRADE SPOT LIGHT	LSI	XIG B LED 19 350 WW UE BLK SPOT	RECESS	IN-GRADE	7 1/8"	120	
NOTES:											
1. X											



1 RISER DIAGRAM
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Revision	Description	Date

OPN Project No.
Project Number

Sheet Issue Date
Project Status **10/06/21**

Sheet Name
SCHEDULES

Sheet Number
E-600

BOYS & GIRLS CLUBS
OF DANE COUNTY
MADISON AREA
BUILDERS
ASSOCIATION
McKenzie Workforce Center &
Boys & Girls Clubs of Dane County Headquarters
OPN
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MADISON AREA BUILDERS ASSOCIATION

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OPN ARCHITECTS

RSX2 LED
Area Luminaire

Buy American

Catalog Number "OA3 & OA4"

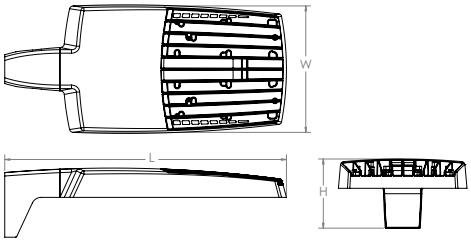
Notes

Type

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

Specifications

EPA (ft²@0°):	0.69 ft² (0.06 m²)
Length:	29.3" (74.4 cm) (SPA mount)
Width:	13.4" (34.0 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.3 cm) Arm
Weight: (SPA mount)	30.0 lbs (13.6 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX2 delivers 11,000 to 31,000 lumens allowing it to replace 250W to 1000W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX2 LED P6 40K R3 MVOLT SPA DDBXD

RSX2 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX2 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [2]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [3]	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) [4]	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	**(use specific voltage for options as noted)**	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6]
	P5		R4S Type 4 Short	120 [3] 277 [5]	WBA Wall bracket [1]
	P6		R5 Type 5 Wide [1]	208 [3] 347 [5]	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short [1]	240 [3] 480 [5]	AASP Adjustable tilt arm square pole mounting [6]
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting [6]
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket [6]
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

Options

Shipped Installed

HS	House-side shield [7]
PE	Photocontrol, button style [8,9]
PEX	Photocontrol external threaded, adjustable [9,10]
PER7	Seven-wire twist-lock receptacle only (no controls) [9,11,12,13]
CE34	Conduit entry 3/4" NPT (Qty 2)
SF	Single fuse (120, 277, 347) [5]
DF	Double fuse (208, 240, 480) [5]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output [9,13]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [9,13]
DS	Dual switching [9,14]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2	nLight AIR generation 2 [13,15,16]
PIRHN	Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [13,16,17]
BAA	Buy America(n) Act Compliant

Option for BUNDLE 3 only

*Note: PIRHN with nLight Air can be used as a standalone dimming sensor with out-of-box settings or as a wireless networked solution. See factory default settings table. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS	External glare shield [6]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [18]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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Ordering Information

Accessories
Ordered and shipped separately.

RSX2HS	RSX2 House side shield (includes 2 shields)
RSX2EGS (FINISH) U	External glare shield (specify finish)
RSX2HSAFRR (FINISH) U	RSX2 House side shields for AFR rotated optics (includes 2 shields)
RSX2EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U DLL127F 1.5 JU	RSX Surface conduit box (specify finish, for use with WBA, WBA not included) Photocell -SSL twist-lock (120-277V) [19]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [19]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [19]
DSHORT SBK U	Shorting cap [19]

NOTES
1. Any Type 5 distribution, is not available with WBA.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3. HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4. XVOLT driver not available with P1. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX.
5. Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6. Maximum tilt is 90° above horizontal.
7. It may be ordered as an accessory.
8. Requires MVOLT or 347V.
9. Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, DS, PIRHN).
10. Requires 120V, 208V, 240V, or 277V.
11. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
12. For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
13. Two or more of the following options cannot be combined including DMG, DS, PER7, FAO and PIRHN.
14. DS only available on performance package P5 and P6.
15. Must be ordered with PIRHN.
16. Requires MVOLT or HVOLT.
17. Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
18. Must be ordered with fixture for factory pre-drilling.
19. Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields

House Side Shield

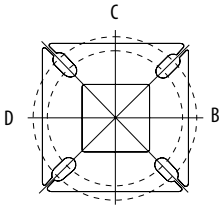
External Glare Shield

External 360 Full Visor

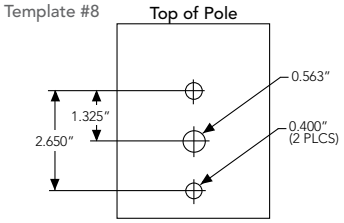
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

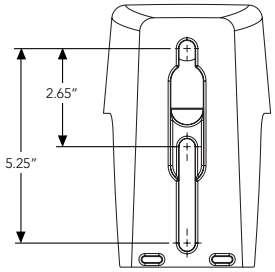
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX2 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adaptor	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
RPA - Round Pole Adaptor		0.74	1.27	1.37	1.9	1.71	2.49	1.42	2.16	2.84
MA - Mast Arm Adaptor		0.61	1.14	1.11	1.64	1.45	2.23	1.29	1.9	2.58
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.69	1.22	1.27	1.8	1.61	2.39	1.37	2.06	2.74
	10°	0.53	1.06	1.05	1.58	1.37	2.08	1.06	1.59	2.12
	20°	0.52	1.02	1.03	1.52	1.33	2.02	1.03	1.55	2.07
	30°	0.64	1.11	1.18	1.63	1.45	2.21	1.27	1.91	2.54
	40°	0.81	1.21	1.35	1.74	1.65	2.39	1.62	2.43	3.23
	45°	0.91	1.25	1.5	1.81	1.75	2.48	1.82	2.73	3.64
	50°	1.34	1.83	2.17	2.61	2.56	3.62	2.68	4.02	5.36
	60°	2.2	2.97	3.57	4.24	4.17	5.89	4.41	6.61	8.82
	70°	2.86	4.13	4.7	5.89	5.71	8.21	5.71	8.57	11.42
	80°	3.4	5.13	5.67	7.34	7.09	10.21	6.79	10.19	13.59
	90°	3.85	5.96	6.55	8.58	8.31	11.88	7.70	11.56	15.41

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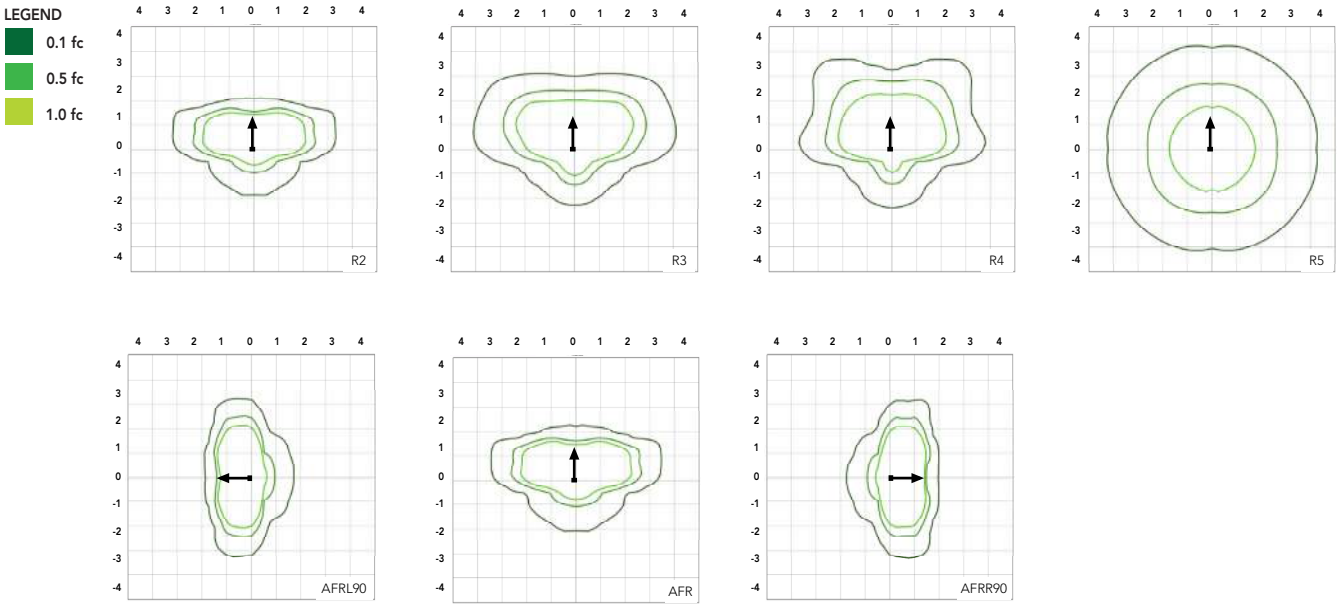
Photometric Diagrams

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

Isofootcandle plots for the RSX2 LED P6 40K. Distances are in units of mounting height (30').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	71W	0.59	0.34	0.30	0.26	0.20	0.15
P2	111W	0.93	0.53	0.46	0.40	0.32	0.23
P3	147W	1.23	0.70	0.61	0.53	0.42	0.31
P4	187W	1.55	0.90	0.78	0.68	0.53	0.38
P5	210W	1.75	1.01	0.87	0.76	0.60	0.44
P6	244W	2.03	1.17	1.01	0.88	0.70	0.51

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

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

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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	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	71W	R2	10,040	2	0	1	139	11,031	2	0	1	153	11,031	2	0	1	153
		R3	10,005	2	0	2	141	10,992	2	0	2	155	10,992	2	0	2	155
		R3S	10,271	2	0	2	143	11,285	2	0	2	157	11,285	2	0	2	157
		R4	10,136	2	0	2	143	11,136	2	0	2	157	11,136	2	0	2	157
		R4S	9,779	2	0	2	138	10,744	2	0	2	151	10,744	2	0	2	151
		R5	10,271	4	0	2	145	11,285	4	0	2	159	11,285	4	0	2	159
		R5S	10,544	3	0	1	149	11,585	3	0	2	163	11,585	3	0	2	163
		AFR	10,026	2	0	1	141	11,016	2	0	1	155	11,016	2	0	1	155
		AFRR90	10,122	3	0	2	140	11,121	3	0	2	154	11,121	3	0	2	154
		AFRL90	10,164	3	0	2	141	11,167	3	0	2	155	11,167	3	0	2	155
P2	111W	R2	15,712	2	0	2	138	17,263	2	0	2	151	17,263	2	0	2	151
		R3	15,657	2	0	3	141	17,202	3	0	3	155	17,202	3	0	3	155
		R3S	16,075	2	0	2	141	17,661	2	0	2	155	17,661	2	0	2	155
		R4	15,862	2	0	3	143	17,427	2	0	3	157	17,427	2	0	3	157
		R4S	15,304	2	0	2	138	16,815	2	0	2	151	16,815	2	0	2	151
		R5	16,075	4	0	2	145	17,661	5	0	3	159	17,661	5	0	3	159
		R5S	16,502	4	0	2	149	18,130	4	0	2	163	18,130	4	0	2	163
		AFR	15,691	2	0	2	141	17,240	2	0	2	155	17,240	2	0	2	155
		AFRR90	15,841	3	0	3	139	17,404	4	0	3	153	17,404	4	0	3	153
		AFRL90	15,907	3	0	3	139	17,477	4	0	3	153	17,477	4	0	3	153
P3	147W	R2	19,855	3	0	2	132	21,814	3	0	2	145	21,814	3	0	2	145
		R3	19,785	3	0	3	135	21,737	3	0	4	148	21,737	3	0	4	148
		R3S	20,312	3	0	3	135	22,317	3	0	3	149	22,317	3	0	3	149
		R4	20,044	3	0	3	136	22,022	3	0	4	150	22,022	3	0	4	150
		R4S	19,339	3	0	3	132	21,247	3	0	3	145	21,247	3	0	3	145
		R5	20,313	5	0	3	138	22,317	5	0	3	152	22,317	5	0	3	152
		R5S	20,852	4	0	2	142	22,910	4	0	2	156	22,910	4	0	2	156
		AFR	19,828	3	0	2	135	21,785	3	0	2	148	21,785	3	0	2	148
		AFRR90	20,017	4	0	3	133	21,992	4	0	3	147	21,992	4	0	3	147
		AFRL90	20,101	4	0	3	134	22,084	4	0	3	147	22,084	4	0	3	147
P4	187W	R2	22,836	3	0	2	120	25,090	3	0	2	132	25,090	3	0	2	132
		R3	22,756	3	0	4	122	25,002	3	0	4	134	25,002	3	0	4	134
		R3S	23,363	3	0	3	123	25,668	3	0	3	135	25,668	3	0	3	135
		R4	23,054	3	0	4	123	25,329	3	0	4	135	25,329	3	0	4	135
		R4S	22,243	3	0	3	119	25,059	3	0	3	134	25,059	3	0	3	134
		R5	23,363	5	0	3	125	25,669	5	0	4	137	25,669	5	0	4	137
		R5S	23,983	4	0	2	128	26,350	4	0	2	141	26,350	4	0	2	141
		AFR	22,806	3	0	2	122	25,056	3	0	2	134	25,056	3	0	2	134
		AFRR90	23,023	4	0	3	121	25,295	4	0	3	133	25,295	4	0	3	133
		AFRL90	23,120	4	0	3	122	25,401	4	0	3	134	25,401	4	0	3	134
P5	210W	R2	26,141	3	0	2	122	28,721	3	0	2	135	28,721	3	0	2	135
		R3	26,049	3	0	4	124	28,620	3	0	4	136	28,620	3	0	4	136
		R3S	26,744	3	0	3	125	29,383	3	0	4	138	29,383	3	0	4	138
		R4	26,390	3	0	4	126	28,994	3	0	4	138	28,994	3	0	4	138
		R4S	25,462	3	0	3	121	27,974	3	0	3	133	27,974	3	0	3	133
		R5	26,744	5	0	4	127	29,383	5	0	4	140	29,383	5	0	4	140
		R5S	27,454	4	0	2	131	30,163	4	0	2	144	30,163	4	0	2	144
		AFR	26,106	3	0	2	124	28,682	3	0	2	137	28,682	3	0	2	137
		AFRR90	26,354	4	0	3	123	28,955	5	0	3	136	28,955	5	0	3	136
		AFRL90	26,465	4	0	3	124	29,077	5	0	3	136	29,077	5	0	3	136
P6	244W	R2	27,646	3	0	2	112	30,374	3	0	2	123	30,374	3	0	2	123
		R3	27,549	3	0	4	113	30,267	3	0	4	124	30,267	3	0	4	124
		R3S	28,283	3	0	3	115	31,075	3	0	4	126	31,075	3	0	4	126
		R4	27,909	3	0	4	114	30,663	3	0	4	126	30,663	3	0	4	126
		R4S	26,928	3	0	3	110	29,585	3	0	3	121	29,585	3	0	3	121
		R5	28,284	5	0	4	116	31,075	5	0	4	127	31,075	5	0	4	127
		R5S	29,035	4	0	2	119	31,900	5	0	3	131	31,900	5	0	3	131
		AFR	27,608	3	0	2	112	30,332	3	0	2	123	30,332	3	0	2	123
		AFRR90	27,872	4	0	3	113	30,622	5	0	3	124	30,622	5	0	3	124
		AFRL90	27,989	4	0	3	113	30,751	5	0	3	125	30,751	5	0	3	125

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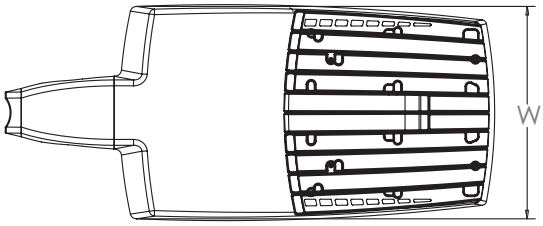
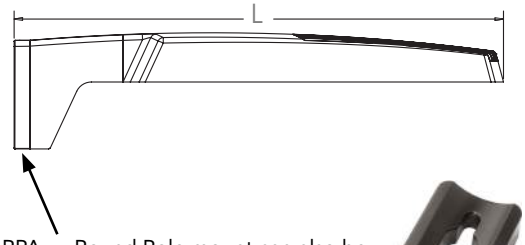
Dimensions & Weights

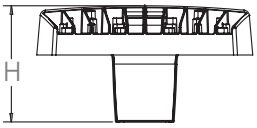
Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	30 lbs
RPA	32 lbs
MA	30 lbs
WBA	33 lbs
WBASC	36 lbs
IS	33 lbs
AASP	33 lbs
AARP	35 lbs
AAWB	36 lbs
AAWSC	39 lbs

RSX2 with Round Pole Adapter (RPA)



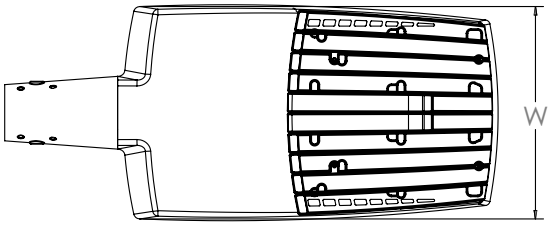


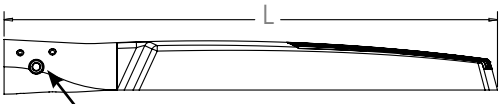


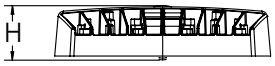
Length: 30.3" (77.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.3 cm) Arm

Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

RSX2 with Mast Arm Adapter (MA)

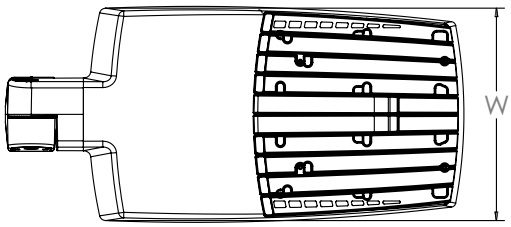


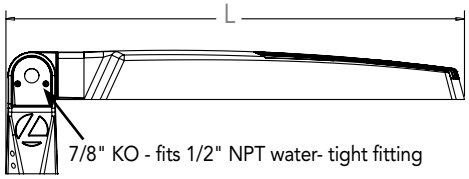


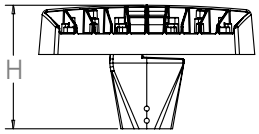


Length: 30.6" (77.7 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

RSX2 with Adjustable Slipfitter (IS)







Length: 28.3" (71.9 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm

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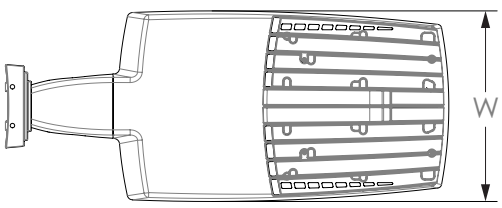
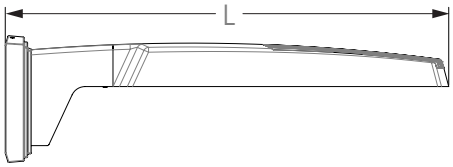
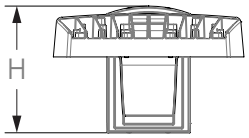
Dimensions

RSX2 with Wall Bracket (WBA)

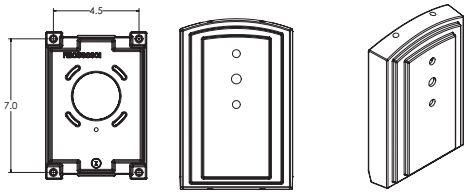




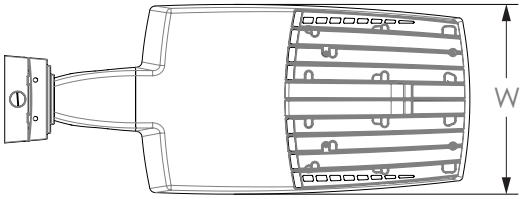


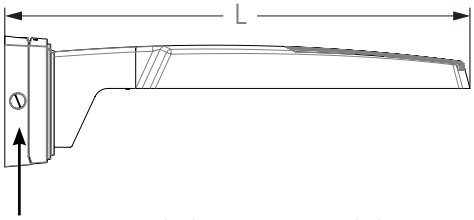
Length: 31.2" (79.2 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

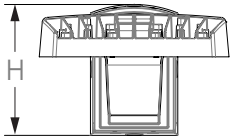


RSX2 with Wall Bracket with Surface Conduit Box (WBASC)



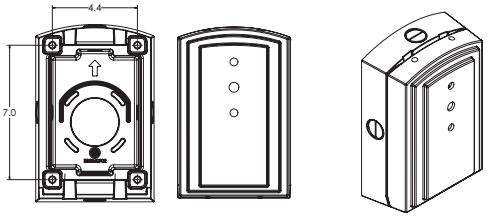


3/4" NPT taps with plugs - Qty (4) provided



Length: 32.8" (83.3 cm)
Width: 13.4" (41.7 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



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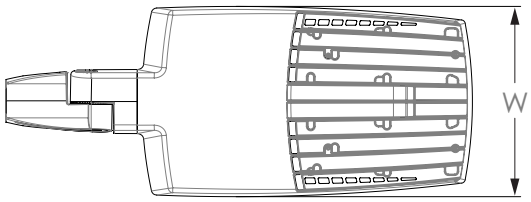
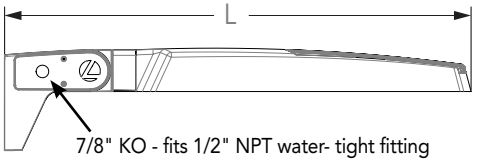
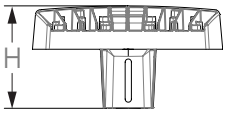
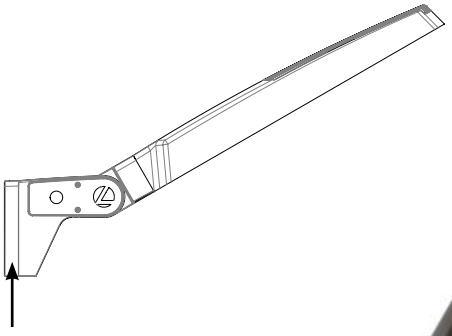
Dimensions

RSX2 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)









Length: 32.8" (83.3 cm) **AASP**
33.8" (85.9 cm) **AARP**
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

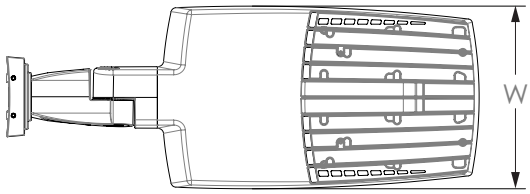
NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

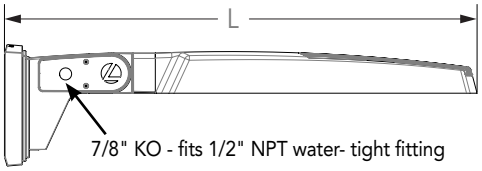
Notes

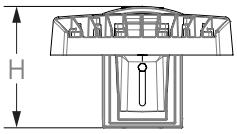
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

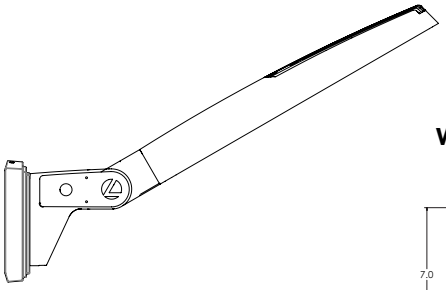
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX2 with Adjustable Tilt Arm with Wall Bracket (AAWB)



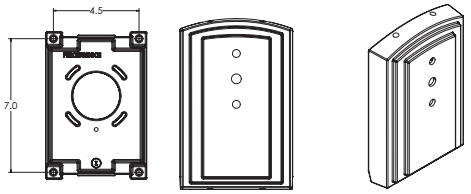






Length: 34.7" (88.0 cm)
Width: 13.4" (34.0 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



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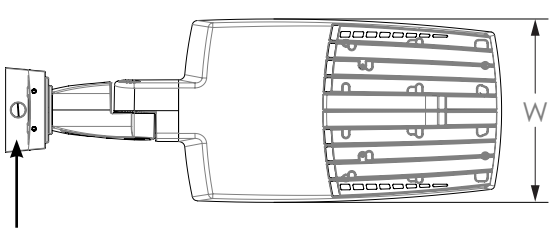
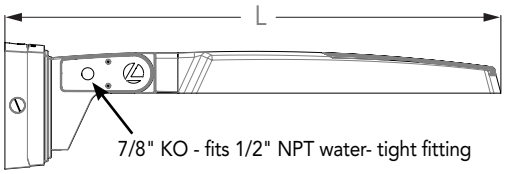
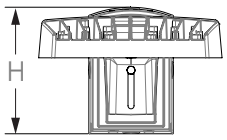
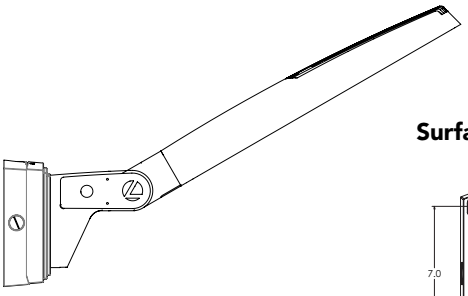
Dimensions

RSX2 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



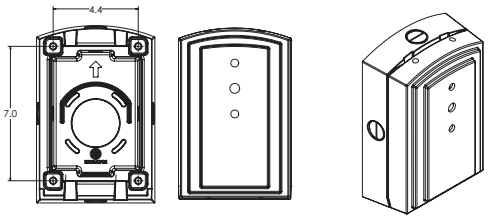




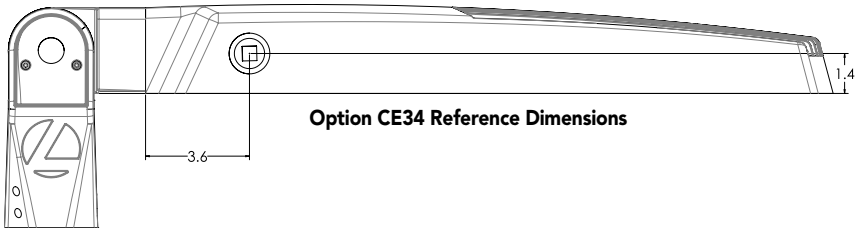


Length: 36.2" (91.9 cm)
Width: 13.4" (40.0 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

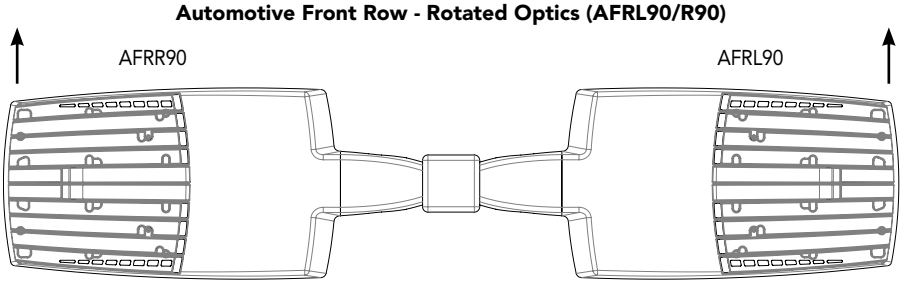


Additional Reference Drawings



Option CE34 Reference Dimensions

Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

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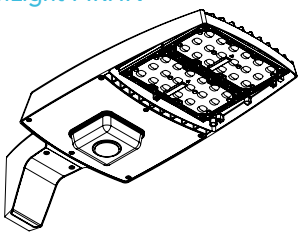
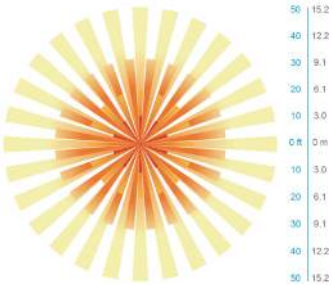
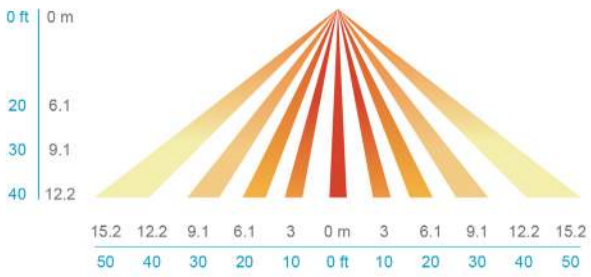
NLTAIR2 PIRHN nLight Sensor Coverage Pattern

nLight PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX2 delivers 11,000 to 31,000 lumens and is ideal for replacing 250W to 1000W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION AND DESIGN
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. Vibration rated per ANSI C136.31: 3G Mountings: Include SPA, RPA, MA, IS, AASP, AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

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 superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row) and AFR rotated AFRR90 and ARFL90.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. US Patent No. D882, 146S

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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.

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RSX1 LED
Area Luminaire

Catalog Number "OB"

Notes

Type "OB"

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

Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Specifications

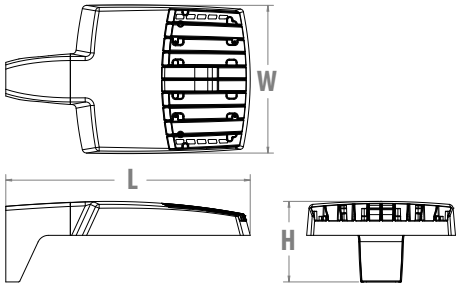
EPA (ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm) (SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm

Weight (SPA mount): 22.0 lbs (10.0 kg)



Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R2 Type 2 Wide	MVOLT (120V-277V) [2]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°)
	P2	40K 4000K	R3 Type 3 Wide	HVOLT (347V-480V) [3]	RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°)
	P3	50K 5000K	R3S Type 3 Short	XVOLT (277V-480V) [4]	MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
	P4		R4 Type 4 Wide	**(use specific voltage for options as noted)**	IS Adjustable slipfitter (fits 2-3/8" OD tenon) [6]
			R4S Type 4 Short	120 [3] 277 [5]	WBA Wall bracket [1]
			R5 Type 5 Wide [1]	208 [3] 347 [5]	WBASC Wall bracket with surface conduit box
			R5S Type 5 Short [1]	240 [3] 480 [5]	AASP Adjustable tilt arm square pole mounting [6]
			AFR Automotive Front Row		AARP Adjustable tilt arm round pole mounting [6]
			AFRR90 Automotive Front Row Right Rotated		AAWB Adjustable tilt arm with wall bracket [6]
			AFRL90 Automotive Front Row Left Rotated		AAWSC Adjustable tilt arm wall bracket and surface conduit box [6]

Options

Shipped Installed

HS	House-side shield [7]
PE	Photocontrol, button style [8,9]
PEX	Photocontrol external threaded, adjustable [9,10]
PER7	Seven-wire twist-lock receptacle only (no controls) [9,11,12,13]
CE34	Conduit entry 3/4" NPT (Qty 2)
SF	Single fuse (120, 277, 347) [5]
DF	Double fuse (208, 240, 480) [5]
SPD20KV	20KV Surge pack (10KV standard)
FAO	Field adjustable output [9,13]
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) [9,13]

Shipped Installed

***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)**

NLTAIR2	nLight AIR generation 2 [13,14,15] Option for BUNDLE 3 only
PIRHN	Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) [13,15,16]
BAA	Buy America(n) Act Compliant

*Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

Shipped Separately (requires some field assembly)

EGS	External glare shield [7]
EGFV	External glare full visor (360° around light aperture) [7]
BS	Bird spikes [17]

Finish

DDBXD	Dark Bronze
DBLXD	Black
DNAXD	Natural Aluminum
DWHXD	White
DDBTXD	Textured Dark Bronze
DBLBXD	Textured Black
DNATXD	Textured Natural Aluminum
DWHGXD	Textured White

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Ordering Information

Accessories
Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1HSAFRR U	RSX1 House side shield for AFR rotated optics (includes 1 shield)
RSX1EGS (FINISH) U	External glares hield (specify finish)
RSX1EGFV (FINISH) U	External glare full visor (specify finish)
RSXRPA (FINISH) U	RSX Universal round pole adaptor plate (specify finish)
RSXWBA (FINISH) U	RSX WBA wall bracket (specify finish) [1]
RSXSCB (FINISH) U	RSX Surface conduit box (specify finish, for use with WBA, WBA not included)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) [18]
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) [18]
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) [18]
DSHORT SBK U	Shorting cap [18]

NOTES
1 Any Type 5 distribution, is not available with WBA.
2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
3 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
4 XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DF) and not available with PE or PEX.
5 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
6 Maximum tilt is 90° above horizontal.
7 It may be ordered as an accessory.
8 Requires MVOLT or 347V.
9 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, FAO, DMG, PIRHN).
10 Requires 120V, 208V, 240V or 277V.
11 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.
12 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
13 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
14 Must be ordered with PIRHN.
15 Requires MVOLT or HVOLT.
16 Must be ordered with NLTAIR2. For additional information on PIRHN visit here.
17 Must be ordered with fixture for factory pre-drilling.
18 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

External Shields

House Side Shield

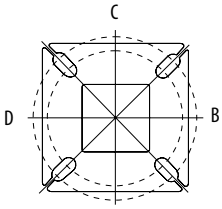
External Glare Shield

External 360 Full Visor

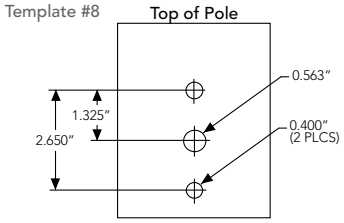
Pole/Mounting Informatiion

Accessories including bullhorns, cross arms and other adpaters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit Accessories.

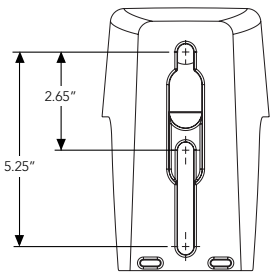
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM & ADJUSTABLE ARM



Round Tenon Mount - Pole Top Slipfitters

Tenon O.D.	RSX Mounting	Single	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2 - 3/8"	RPA, AARP	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 320	AS3-5 390	AS3-5 490
2 - 7/8"	RPA, AARP	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	RPA, AARP	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Drill/Side Location by Configuration Type

Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4 @ 90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	**Drill Nomenclature**	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

RSX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	**Tilt**									
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor		0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
IS - Integral Slipfitter AASP/AARP - Adjustable Arm Square/Round Pole	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

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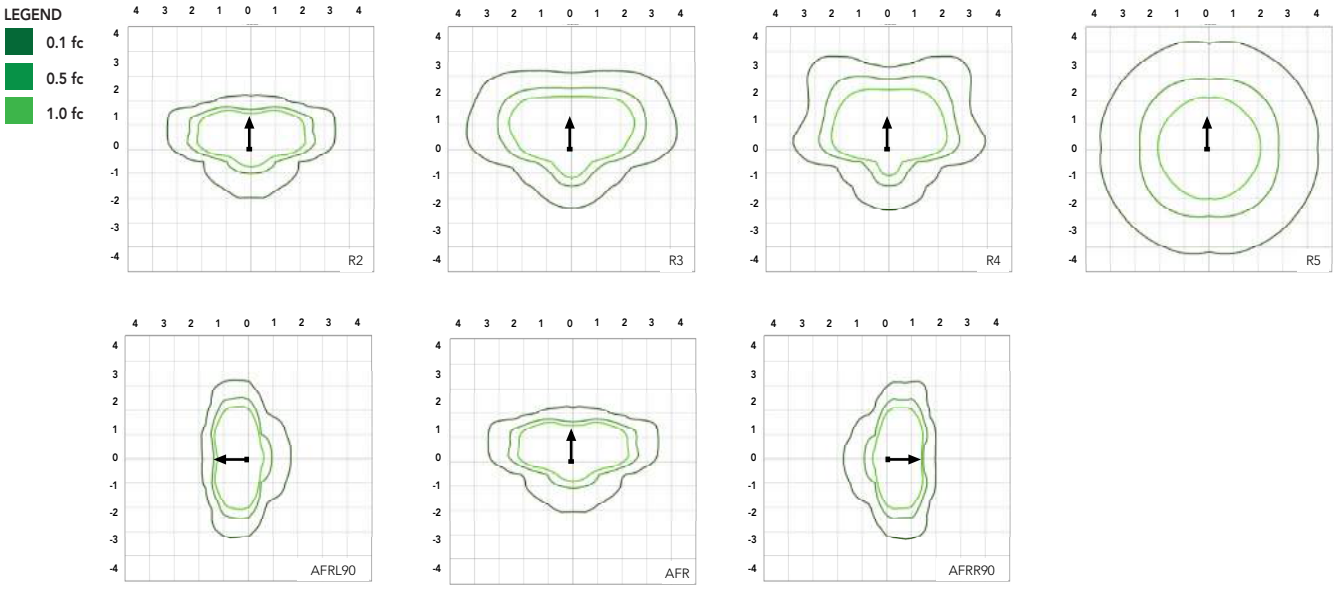
Photometric Diagrams

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

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

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

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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	Distribution. Type	30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	51W	R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
		R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
P4	133W	R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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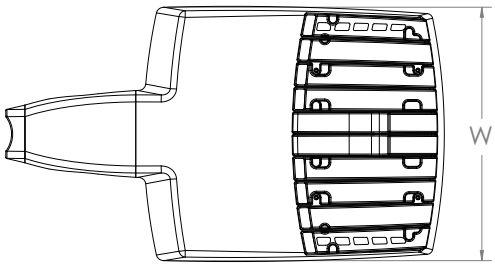
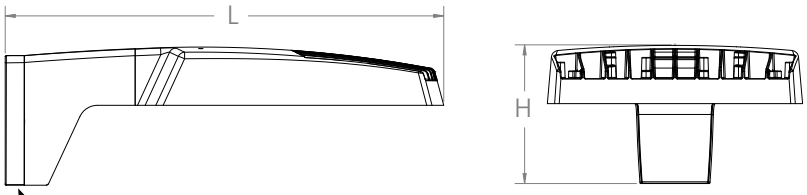
Luminaire Weight by Mounting Type

Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

RSX1 with Round Pole Adapter (RPA)

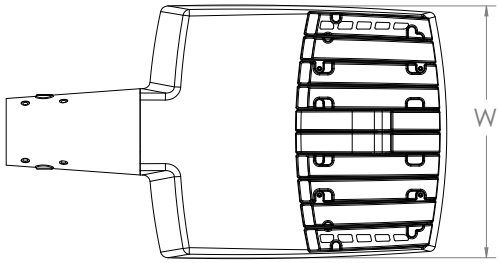


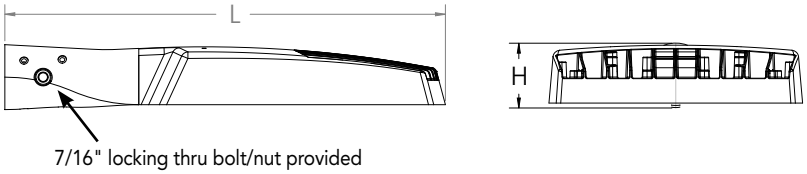


Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

Length: 22.8" (57.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.4 cm) Arm

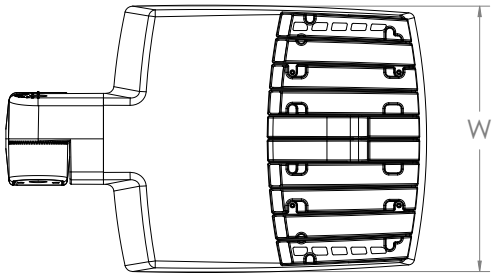
RSX1 with Mast Arm Adapter (MA)

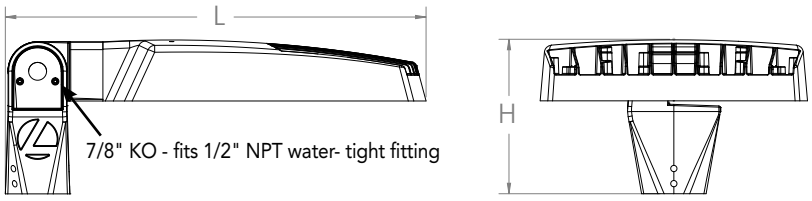




Length: 23.2" (59.1 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
3.5" (8.9 cm) Arm

RSX1 with Adjustable Slipfitter (IS)





Length: 20.7" (52.7 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.6" (19.3 cm) Arm

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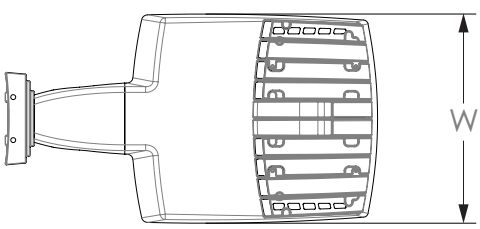
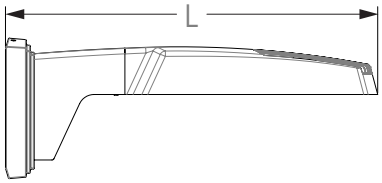
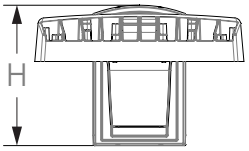
Dimensions

RSX1 with Wall Bracket (WBA)

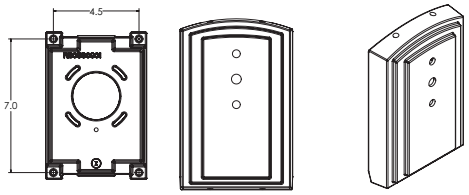




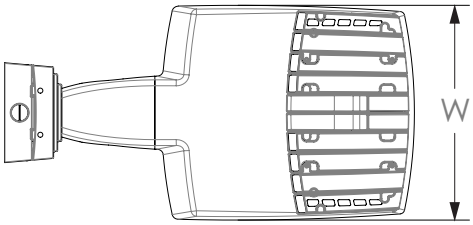


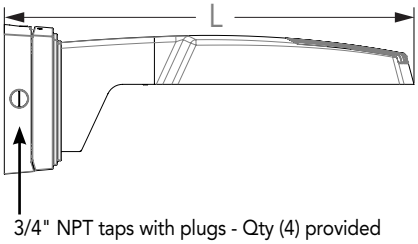
Length: 23.6" (59.9 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail

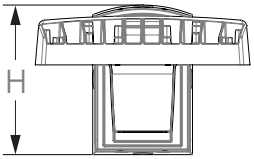


RSX1 with Wall Bracket with Surface Conduit Box (WBASC)



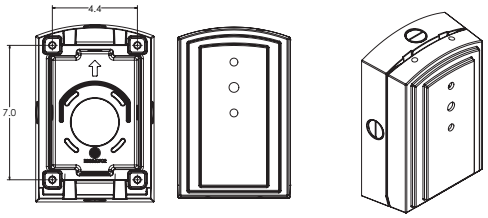


3/4" NPT taps with plugs - Qty (4) provided



Length: 25.3" (64.3 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail



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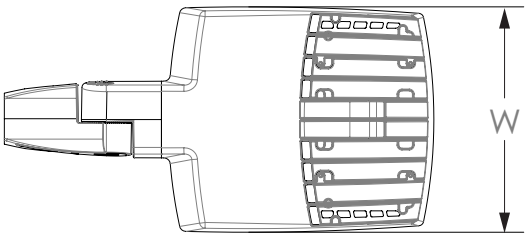
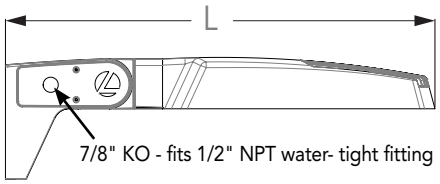
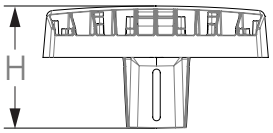
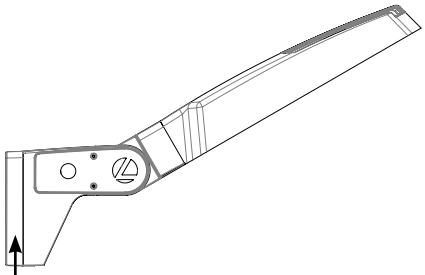
Dimensions

RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)









Length: 25.3" (65.3 cm) **AASP**
26.3" (66.8 cm) **AARP**
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
7.2" (18.2 cm) Arm

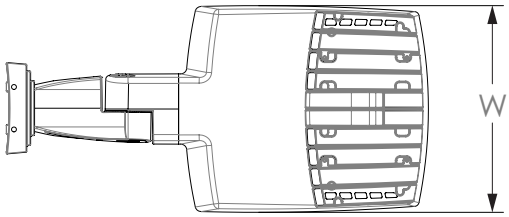
NOTE:
RPA - Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.

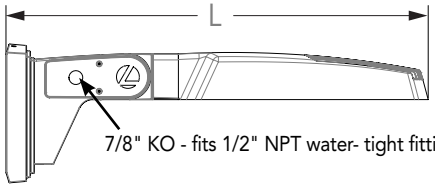
Notes

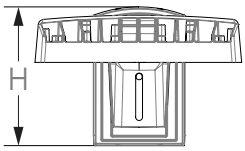
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

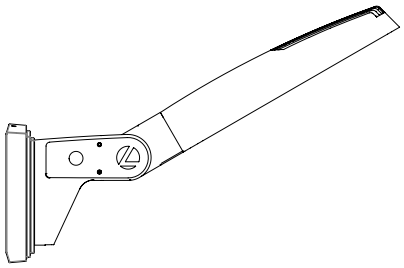
AARP: Requires 3.2" min. dia. round pole for 2, 3, 4 at 90°. Requires 3.0" min. dia. round pole for mounting 1 at 90°, 2 at 180°, 3 at 120°.

RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)



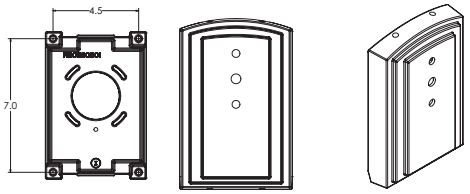






Length: 27.1" (68.8 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
8.9" (22.6 cm) Arm

Wall Bracket (WBA) Mounting Detail



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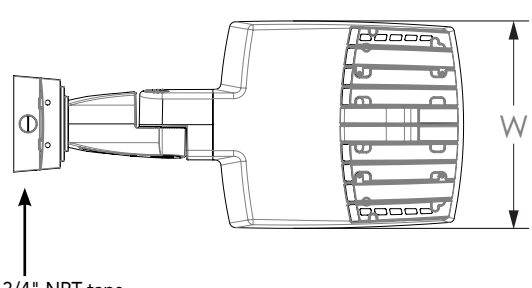
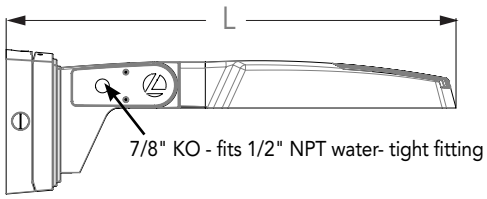
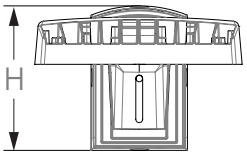
Dimensions

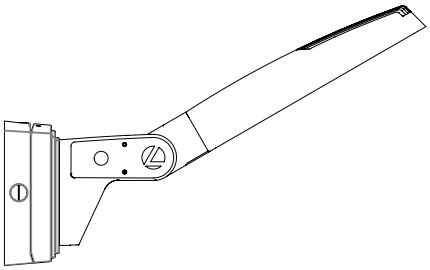
RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)



3/4" NPT taps
with plugs - Qty (4)
provided

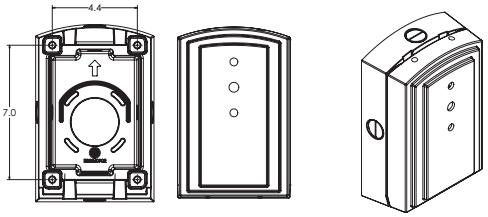




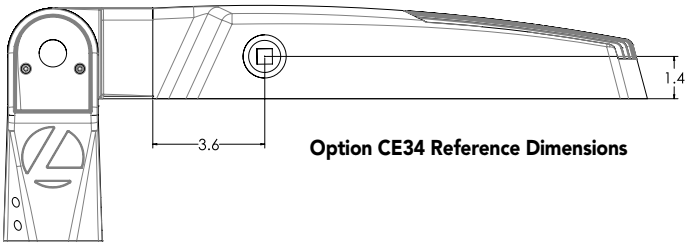


Length: 28.8" (73.2 cm)
Width: 13.3" (33.8 cm)
Height: 3.0" (7.6 cm) Main Body
9.2" (23.4 cm) Arm

Surface Conduit Box (SCB) Mounting Detail

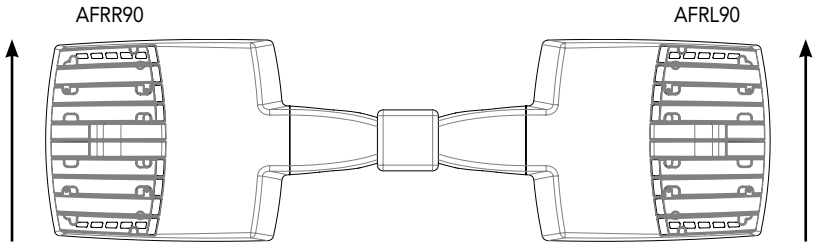


Additional Reference Drawings



Option CE34 Reference Dimensions

Automotive Front Row - Rotated Optics (AFRL90/R90)



(Example: 2@180 - arrows indicate direction of light exiting the luminaire)

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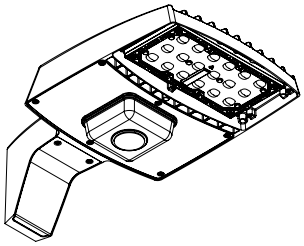
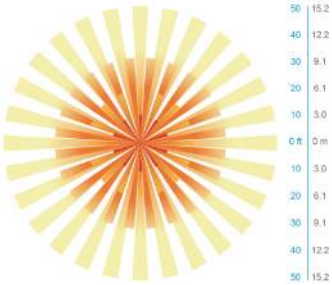
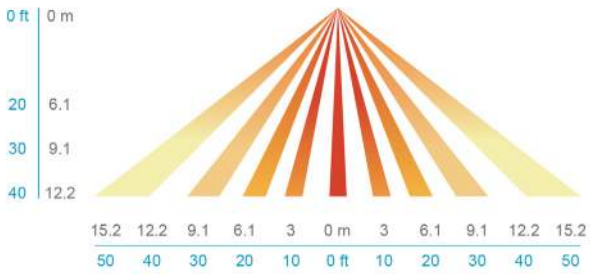
nLight Sensor Coverage Pattern

NLTAIR2 PIRHN





Top



Side

Motion Sensor Default Settings - Option PIRHN						
Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
NLTAIR2 PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: NLTAIR2 PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App. Sensor coverage pattern shown with luminaire at 0°. Sensor coverage pattern is affected when luminaire is titled.

FEATURES & SPECIFICATIONS

INTENDED USE
The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION
The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 1.5G vibration.

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 superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

OPTICS
Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 3S, Type 4, Type 4S, Type 5, Type 5S, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

ELECTRICAL
Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS
The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS
The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. No commissioning is required when using factory default settings that provide basic stand-alone motion occupancy dimming that is switched on and off with a built-in photocell. See chart above for motion sensor default out-of-box settings. For more advanced wireless functionality, such as group dimming, nLight AIR can be commissioned using a smartphone and the easy-to-use CLAIRITY app. nLight AIR equipped luminaries can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclypse. Additional information about nLight Air can be found here.

INSTALLATION
Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90° above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

LISTINGS
CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 146S

BUY AMERICAN
Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT.
Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY
5-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/warranty/terms-and-conditions

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.

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SLW Series

Low-Profile, Architectural LED Wallpack with Egress Option

Model: _____ Date: _____

Accessories: _____ "OC"

Job Name: _____ Type: _____

DESCRIPTION

The slim architectural SLW Series LED wallpack features integral motion detection (PIR sensor) or photocontrol only (NS model) in both “normally on” and UL 924 Listed emergency egress models. The fully gasketed die-cast enclosure is IP65 rated and UL Listed for Wet Locations. The SLW’s 15 Watt LED light engine delivers 1500 lumens in AC mode and 600 lumens in emergency mode. Zero uplight optics reduce light pollution.

SPECIFICATIONS

Construction:

- Architectural die-cast aluminum housing
- Snap-fit housing to mounting plate for easy access and installation
- Universal pattern knockouts on back for mounting to 3” and 4” J-box
- ½” Threaded conduit entry for top feed
- Available in Bronze, Black, Silver or White finish

Optics/ LEDs:

- 15 Watt high-power LED light engine delivers 1500 lumens (600 lumens in emergency mode for 60' on center spacing)
- Standard 4000K CCT, CRI ≥ 70, L70 > 72,000 hours
- LED array is protected by a high-impact, UV-resistant polycarbonate lens

Electrical:

- 120-277VAC, 60Hz driver
- EM option uses long-life, maintenance-free, rechargeable high temperature NiCad battery which includes internal heater suitable for cold locations and draws an additional 17 Watts
- Integral controls include:
  - Standard unit: Passive infrared (PIR) motion sensor with up to 10' detection, operational from dusk to dawn. Unit will shut off after two minutes of inactivity. The light will activate in AC mode only when motion is detected. Motion sensor (PIR) and dusk to dawn operation cannot be altered
  - No PIR sensor option (NS): switchable AC operation for use as dusk to dawn with included photocontrol or use of a normally open switch by disabling photocontrol

Installation:

- Ideal for mounting to any vertical surface by attaching to a 3” or 4” J-box
- Can be surface mounted using the ½” conduit entry point at top of housing

Options:

- Emergency (EM) battery back-up is UL 924 Listed to provide a minimum 90 minutes operation during a loss of power, with a 24 hour maximum recharge time for battery. Standard with self-test/ self-diagnostics as well as a heater for cold location operation to -25°C. AC power indicator and test switch are located on bottom face of the unit
- No PIR sensor option (NS) is offered without passive infrared (PIR) motion sensor, but with a photocontrol for use in dusk to dawn applications. Photocontrol can be disabled to be used as an always on or switchable fixture

Testing & Compliance:

- cULus Listed for Wet Locations, IP65 rated
- Emergency model UL 924 Listed, NFPA 70, NFPA 101
- Complies with Title 24 of the California Code of Regulations
- Operating temperatures: -25°C to 50°C (-13°F to 122°F)

Warranty:

Five Year Warranty (Terms and Conditions Apply)

Specs at a Glance	*Nominal Wattage
Wattage (W)*	15 (EM model: 32)
Lumens (lm)	1500
Efficacy (LPW)	100
Equivalency	100W HID
CCT	4000K
CRI	≥ 70
Input Voltage	120-277VAC, 60Hz
Warranty	5 Years
Certifications	UL 924 Listed for Wet Locations, NFPA 101, Title 24
Operating Temp	-25°C to 50°C (-13°F to 122°F)
Weight	3.7 lbs (EM model: 4.5 lbs)

Note: Environment and application will affect actual performance. Typical values and 25°C used for testing. Specifications subject to change without notice.

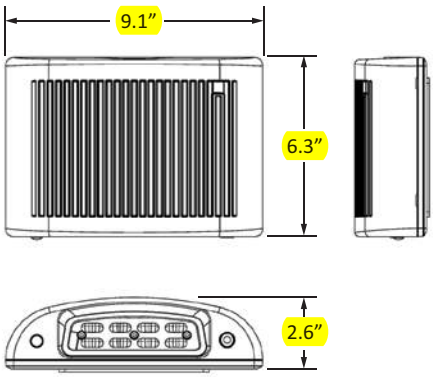
Ordering Information

Series	Wattage	CCT	Finish	Options
SLW	15 = 15W	4K = 4000K	(Blank) = Bronze	EM[1] = UL 924 Emergency battery back-up with self-test/ self-diagnostics, cold location
			BL = Black	NS = Photocontrol only (no PIR motion sensor)
			SV = Silver	
			WH = White	

Notes

[1] EM model not DLC Qualified product

Dimensions

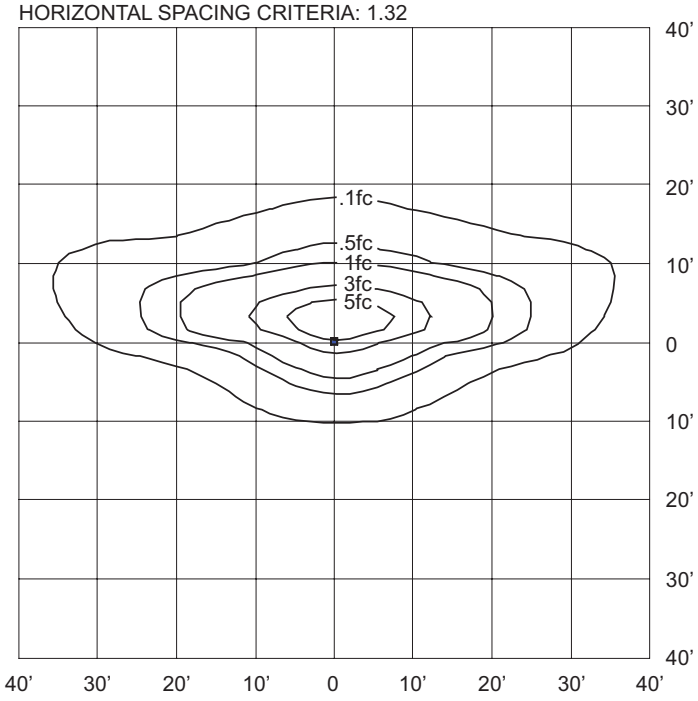


PIR Motion Sensor Detection Radius

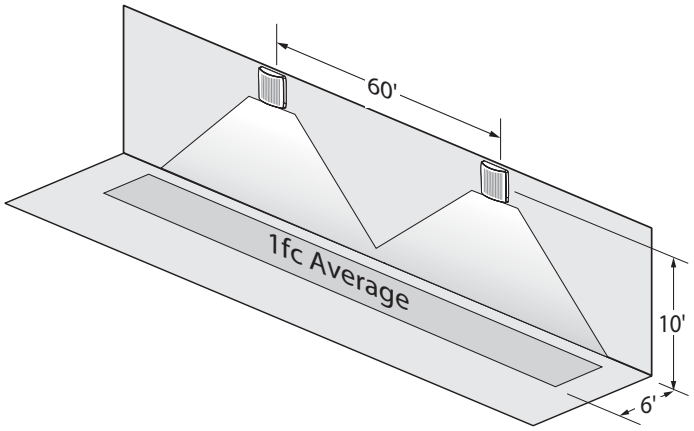
Installation height	Rated detection radius
8'	6.5'
10'	8'
11'	10'

Sample Photometrics

SLW-15-4K
IES: TYPE I SHORT
MOUNTING HEIGHT: **10’**
TILT: ZERO
HORIZONTAL SPACING CRITERIA: 1.32



ON-CENTER SPACING FOR UNITS WITH "EM" OPTION
Using multiple SLW units mounted at a typical 10' height delivers 60' on center spacing with a 6' wide path of egress.



THE EDGE® Series

LED Pathway Luminaire

"OE"

Rev. Date: V9 06/07/2021

Product Description

Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" - 16x6" anchor bolts with 1-1/4" hook (provided). **Note:** T45 Torx 3/8" socket required for head installation. Top mounted LEDs for superior optical performance and light control.

Applications: Landscape, walk-ways and general site lighting

Performance Summary

Patented NanoOptic® Product Technology

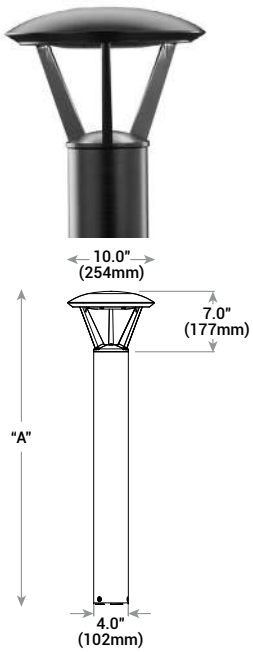
Assembled in the U.S.A. of U.S. and imported parts

CRI: Minimum 70 CRI

CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard

Limited Warranty†: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

† See http://creelighting.com/warranty for warranty terms



Model	Dim. "A"	Weight*
Landscape (P0)	13" (330mm)	12.7 lbs. (5.8kg)
Landscape (P1)	18" (457mm)	13.3 lbs. (6.0kg)
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs (12.9kg)

* Add 4.5 lbs. (2.0kg) for 347-480V

Accessories

Field-Installed
Upgrade Kit - Used for replacement of existing bollards with a bolt hole circle of 5.75" (146mm) XA-XBP8RSV XA-XBP8RWH XA-XBP8RBK XA-XBP8RBZ

Ordering Information

Example: PWY-EDG-2M-P0-02-E-UL-SV-350

PWY-EDG			02	E				
Product	**Optic**	**Mounting**	**LED Count (x9)**	**Series**	**Voltage**	**Color Options**	**Drive Current**	**Options**
PWY-EDG	**2M** Type II Medium **3M** Type III Medium **5M** Type V Medium **5S** Type V Short	**P0** 13" (330mm) landscape - Not available with TRL **P1** 18" (457mm) landscape - Not available with TRL **P3** 36" (914mm) pathway **P4** 42" (1067mm) pathway **P8** 96" (2438mm) pedestrian	02	E	**UL** Universal 120-277V **UH*** Universal 347-480V - Available with P3, P4, and P8 mounts only - Not available with TRL **12** 120V - Available only with TL options **27** 277V - Available only with TL options	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA - Not available with TRL **525** 525mA - Available with P1, P3, P4, and P8 mounts only	**F** **Fuse** - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse - Not available with TRL **HL** **Hi/Low (Dual Circuit Input)** - Available with UL voltage and 525mA driver current only - Must specify 525mA drive current - Refer to HL spec sheet for details - Sensor not included - Not available with TRL **TL** **Two-Level (175/525 w/integrated sensor control)** - Available with 12 or 27 voltages only - Must specify 525mA drive current - Refer to TL spec sheet for details - Not available with TRL **TL2** **Two-Level (0/350 w/integrated sensor control)** - Available with 12 or 27 voltages only - Must specify 350mA drive current - Refer to TL spec sheet for details - Not available with TRL **TL3** **Two-Level (0/525 w/integrated sensor control)** - Available with 12 or 27 voltages only - Must specify 525mA drive current - Refer to TL spec sheet for details **WB** **Welded Base Plate** - Standard on P8 mount option, available with P3 and P4 mount - Includes welded base cover **40K** **4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire **TRL** **Amber Turtle Friendly LEDs** - Available only with P3, P4 and P8 mounts, 120-277 Volt, 525mA drive current, and TL3 or WB options - Lumen multiplier from 5700K, 525mA: 0.41 - Power multiplier from 525mA: 0.75 - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance

* 347-480V utilizes magnetic step-down transformer. For input power for 347-480V, refer to the Electrical Data table

c UL us

RoHS COMPLIANT

CREE LIGHTING®

US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234

Product Specifications

CONSTRUCTION & MATERIALS

- Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance
- Pole mounts to rugged die cast aluminum internal flange secured by three 3/8"-16x6" anchor bolts with 1-1/4" hook(provided).
  Note: T45 Torx 3/8" socket required for head installation
- Top mounted LEDs for superior optical performance and light control
- Open design, passive thermal management for superior lumen maintenance
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- **Weight:** See Dimension and Weight Chart on pages 1 and 4

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load at 120V
- **Total Harmonic Distortion:** < 20% at full load at 120V
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets IP66 requirements per IEC 60598-1 when ordered without TL options
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- ⚠ **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*

LED Count (x9)	System Watts 120-277V	System Watts 347-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	22	28	0.18	0.12	0.10	0.10	0.09	0.13
525mA								
02	34	40	0.29	0.19	0.17	0.15	0.12	0.13

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance[1]

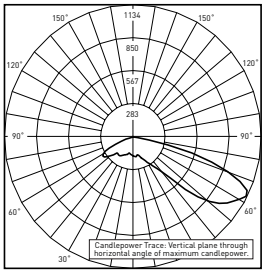
Ambient	CCT	Initial LMF	25K hr Reported[2] LMF	50K hr Reported[2] LMF	75K hr Estimated[3] LMF	100K hr Estimated[3] LMF
5°C (41°F)	40K/57K	1.04	1.01	0.99	0.98	0.96
	TRL	1.06	1.06	1.06	1.06	1.06
10°C (50°F)	40K/57K	1.03	1.00	0.98	0.97	0.95
	TRL	1.04	1.04	1.04	1.04	1.04
15°C (59°F)	40K/57K	1.02	0.99	0.97	0.96	0.94
	TRL	1.03	1.03	1.03	1.03	1.03
20°C (68°F)	40K/57K	1.01	0.98	0.96	0.95	0.93
	TRL	1.01	1.01	1.01	1.01	1.01
25°C (77°F)	40K/57K	1.00	0.97	0.95	0.94	0.92
	TRL	1.00	1.00	1.00	1.00	1.00

[1] Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average nighttime ambient conditions.
[2] In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.
[3] Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

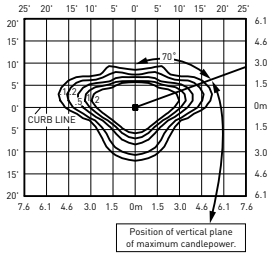
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/bollards-and-pathway/cree-edge-pathway

2M



RESTL Test Report #: PL5758-001
PWY-EDG-2M-**-02-E-UL-350-40K
Initial Delivered Lumens: 1,549

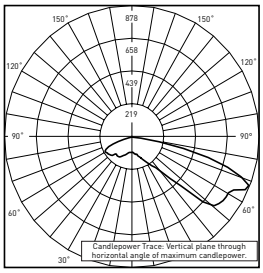


PWY-EDG-2M-**-02-E-UL-350-40K
Mounting Height: 3' (0.9m) A.F.G.
Initial Delivered Lumens: 1,565
Initial FC at grade

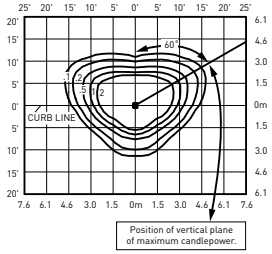
Type II Medium Distribution				
LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,565	B1 U0 G1	1,625	B1 U0 G1
525mA				
02	2,191	B1 U0 G1	2,276	B1 U0 G1

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf

3M



RESTL Test Report #: PL5698-001
PWY-EDG-3M-**-02-E-UL-350-40K
Initial Delivered Lumens: 1,470

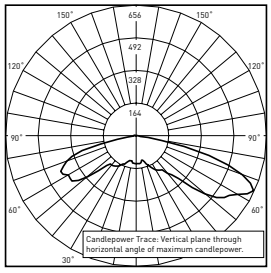


PWY-EDG-3M-**-02-E-UL-350-40K
Mounting Height: 3' (0.9m) A.F.G.
Initial Delivered Lumens: 1,389
Initial FC at grade

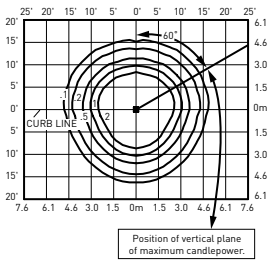
Type III Medium Distribution				
LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,389	B1 U0 G1	1,442	B1 U0 G1
525mA				
02	1,944	B1 U0 G1	2,019	B1 U0 G1

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf

5M



RESTL Test Report #: PL5798-001
PWY-EDG-5M-**-02-E-UL-350-40K
Initial Delivered Lumens: 1,780



PWY-EDG-5M-**-02-E-UL-350-40K
Mounting Height: 3' (0.9m) A.F.G.
Initial Delivered Lumens: 1,666
Initial FC at grade

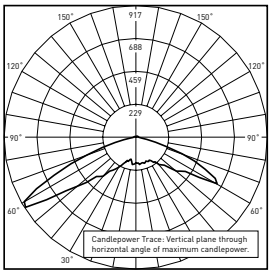
Type V Medium Distribution				
LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,666	B1 U2 G1	1,730	B1 U2 G1
525mA				
02	2,333	B2 U2 G2	2,422	B2 U2 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf

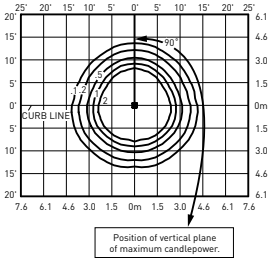
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: http://creelighting.com/products/outdoor/bollards-and-pathway/cree-edge-pathway

5S



RESTL Test Report #: PL5759-001
PWY-EDG-5S-**-02-E-UL-350-40K
Initial Delivered Lumens: 1,897

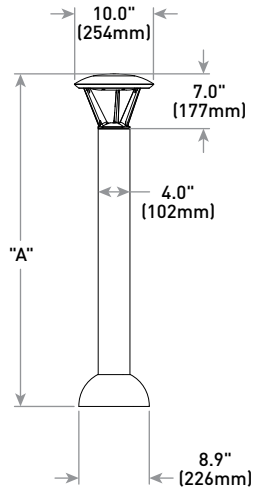


PWY-EDG-5S-**-02-E-UL-350-40K
Mounting Height: 3' (0.9m) A.F.G.
Initial Delivered Lumens: 1,868
Initial FC at grade

Type V Short Distribution				
LED Count (x9)	4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA				
02	1,868	B1 U2 G1	1,940	B1 U2 G1
525mA				
02	2,615	B1 U2 G1	2,716	B1 U2 G1

* Initial delivered lumens at 25˚C (77˚F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf

with Welded Base



Model	Dim. "A"	Weight*
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs (12.9kg)

* Add 4.5 lbs. (2.0kg) for 347-480V

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US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234

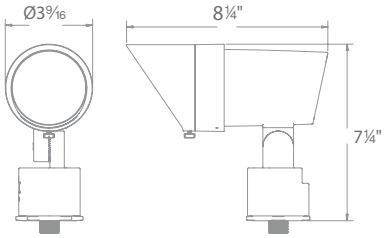
CREE LIGHTING
A COMPANY OF *IDEAL INDUSTRIES, INC.*

GRAND ACCENT 120V

5212

WAC

LANDSCAPE LIGHTING



Fixture Type: "OF"

Catalog Number:

Project:

Location:

PRODUCT DESCRIPTION

Landscape accent luminaire. One fixture replaces all older halogen landscape accent lights

FEATURES

- Adjustable and lockable beam angle
- Integral dimmer
- IP66 rated, Protected against high-pressure water jets
- Includes a detachable shroud
- Solid diecast brass or corrosion resistant aluminum
- Factory sealed water tight fixtures
- 6' lead wire and direct burial gel filled wire nuts included
- Maintains constant lumen output against voltage drop
- UL 1598 Listed
- Not suitable to use with external dimmers

SPECIFICATIONS

Input: 110V - 120VAC
Power: 13W to 31W. 70lm/W
Brightness: 780lm - 2150lm
Beam Angle: 15° to 60°
CRI: 85+
Rated Life: 45,000 hours

ORDERING NUMBER

		Color Temp		Finish	
5212	*Grand Accent 120V*	**30**	*3000K*	**BK**	*Black on Aluminum*
		40	*4000K*	**BZ**	*Bronze on Aluminum*
				BBR	*Bronze on Brass*

5212-_____

Example: **5212-40BK**

waclighting.com
Phone (800) 526.2588
Fax (800) 526.2585

Headquarters/Eastern Distribution Center
44 Harbor Park Drive
Port Washington, NY 11050

Central Distribution Center
1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

WAC Lighting retains the right to modify the design of our products at any time as part of the company's continuous improvement program. AUG 13 2021

GRAND ACCENT 120V

5212

WAC LANDSCAPE LIGHTING

Accessories

Accent Snoot		**5211-SNOOT-BK** **5211-SNOOT-BZ** **5211-SNOOT-BBR**	*Black on Aluminum* *Bronze on Aluminum* *Bronze in Brass*	*Shields lamp and reduces glare*
6" Long Shroud		**5211-LSHR-BZ** **5211-LSHR-BK** **5211-LSHR-BBR**	*Black on Aluminum* *Bronze on Aluminum* *Bronze in Brass*	*Reduce glare. Ideal for downlighting application*
Power Stake		**M6000-STAKE**	*PVC*	*Easy wiring accessory designed for 12V & 120V products. Eliminates the need for a separate Junction box.*
Tree Mount Junction Box		**5000-TCP-BZ**	*Bronze on Aluminum*	*Bronze on Aluminum box with Stainless steel mounting screws. Two ½" NPT threaded holes*
Optics		**LENS-25-AMB** *Amber* **LENS-25-GRN** *Green* **LENS-25-RED** *Red*	**LENS-25-BLU** *Blue* **LENS-25-FR** *Frosted*	*Enhances saturation of florals and foliage*
Extension Rods		**5000-X04-BZ** *4 in* **5000-X08-BZ** *8 in* **5000-X12-BZ** *12 in*	**5000-X18-BZ** *18 in* **5000-X24-BZ** *24 in*	*Extends distance between Accent light and Surface Mount Canopy, Stake, or Tree Mount box*
Rod L-Coupler		**5000-LCO-BZ**	*Bronze*	

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GEN LED acolyte® Architectural Lighting Solutions

Date | Project

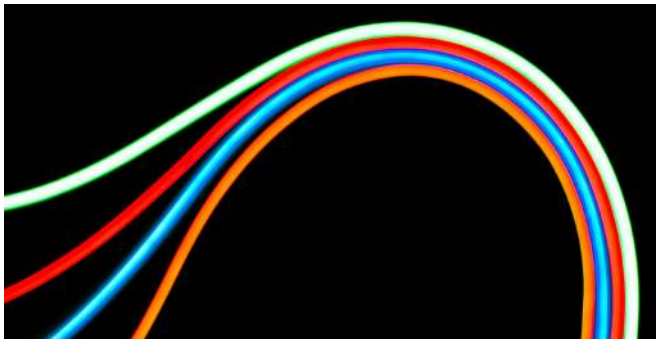
Notes

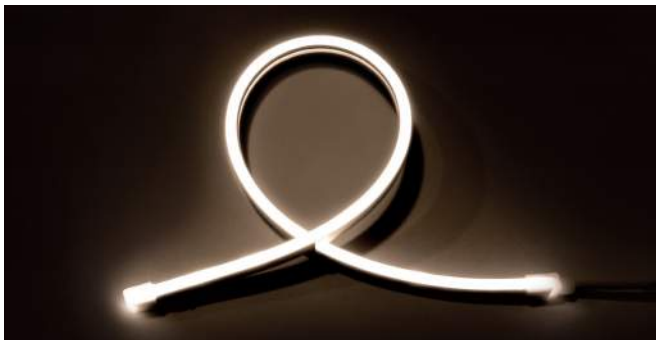
"OG"

NEON SILHOUETTE

It's like neon, but better! This bendable, waterproof silicone fixture uses a smooth, flat lens that gives modern LEDs the classic glow of pinpoint neon lines. Available in static white, static colors, variable white and RGB options, our Neon Silhouette is designed to brave the elements in façade lighting and lettering.

- Flexible silicone LED tube creates vivid colors and bold statements
- Waterproof and UV resistant
- Sleek, flat design helps create elegant lighting solutions
- 110° beam angle
- Assembled in U.S.





Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail / Signage
Healthcare	Public Spaces	

ETL c us RoHS IP68

ORDERING GUIDE

Category	Wattage & Color		Power Feed Direction
NLS			
NLS - Neon Silhouette	**3.022** - 3.0 W/ft 2200K	**3.0R** - 3.0 W/ft Red	**E** - End Feed
	3.024 - 3.0 W/ft 2400K	**3.0G** - 3.0 W/ft Green	**S** - Side Feed
	3.027 - 3.0 W/ft 2700K	**3.0B** - 3.0 W/ft Blue	**B** - Bottom Feed
	3.030 - 3.0 W/ft 3000K	**3.0A** - 3.0 W/ft Amber	
	3.035 - 3.0 W/ft 3500K	**3.0VW** - 3.0 W/ft Variable White	
	3.040 - 3.0 W/ft 4000K	**3.0RGB** - 3.0 W/ft Red, Green, Blue	

Mounting

1. Aluminum Mounting Clip
Part #: NLSMOUNTCLIP

2. Neon Silhouette Mounting Channel
Sold by the foot, up to 6 ft 6 in. / 2 m
Part #: NLSCH

AVAILABLE COLORS AND COLOR TEMPERATURES

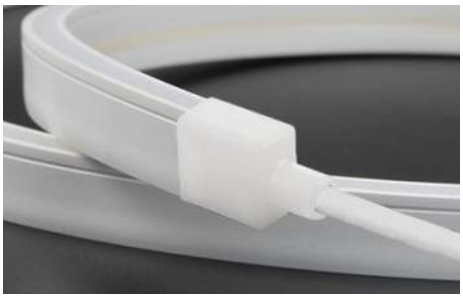
2200K 2400K 2700K 3000K 3500K 4000K

Red Amber Green Blue VW RGB

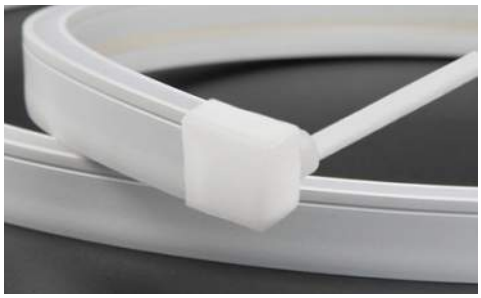
POWER FEED OPTIONS / SPECIFICATIONS / USAGE GUIDELINES

SPECIFICATIONS	NEON SILHOUETTE
Operating Voltage	24 V
Power Consumption	Static White, Static Colors, Variable White, RGB: 3.0 W/ft (9.8 W/m)
Protection Rating	IP68
Beam Angle	110°
Dimming	ELV / MLV / 0-10 Volt / DMX / Lutron Hi-Lume 1% dimming LED drivers
Operating Temperature	-40° F to 140° F (-40° C to 60° C)
Color Temperatures / Colors	2200K, 2400K, 2700K, 3000K, 3500K, 4000K, Red, Green, Blue, Amber, Variable White, RGB
Lamp Life	50,000 Hours
Length	Static White / Static Color / Variable White: Up to 32 ft. 8 in. (10 m) 1.97 in (50 mm) increments
Power Cable Length	Standard: 12 in. (304.8 mm) / Custom: up to 20 ft (6 m)
UV Resistant	UV tested in accordance with ISO 4892-3 with no visible change on the appearance of the sample
Minimum Bend Diameter	2 in (50 mm) Not Field Cuttable
CRI (white)	90+ for all Color Temperatures
Lumens	**3.0 Static White** 3500K: 56.52 lm/ft (185.4 lm/m)
	3.0 Static Color Red: 21.22 lm/ft (69.6 lm/m) / Green: 65.06 lm/ft (213.4 lm/m) / Blue: 11.7 lm/ft (38.4 lm/m) / Amber: 9.9 lm/ft (32.5 lm/m)
	3.0 Variable White At 2200K: 16.65 lm/ft (54.6 lm/m) / At 6100K: 19.2 lm/ft (63 lm/m) / All LEDs at 100%: 35.37 lm/ft (116 lm/m)
	3.0 RGB Red: 4.45 lm/ft (14.6 lm/m) / Green: 11.4 lm/ft (37.4 lm/m) / Blue: 2.37 lm/ft (7.8 lm/m) All LEDs at 100%: 17.07 lm/ft (56 lm/m)

POWER FEED OPTIONS



End Feed - Power From End



Side Feed - Power From Side

Bottom Feed - Power From Bottom

USAGE GUIDELINES

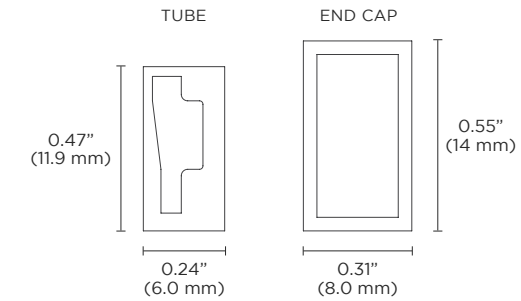
- When installing this product take into account the surface temperature of the material this product is mounted to. Many building surfaces which are exposed to direct sunlight exceed the 70° C/158° F maximum that our product is rated for. High risk locations like this should be avoided.
- This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so. Available for download at: www.GENLEDBrands.com/Acolyte
- Compatible with a wide variety of control products including the entire line of Lutron dimming systems.
- For use with Acolyte drivers, triac dimming modules, and 0-10 modules.
- Use with non-Acolyte triac, MLV or ELV drivers is not supported or warrantied
- Due to the cuttable points inside, this product's cuttable lengths are generally longer or shorter than the customer requested length. Unless specified, this product is factory cut at the shorter cuttable point
- This product can be used in wet, outdoor locations around swimming pools and spa tubs, but not submerged in swimming pools and spa tubs.
- We reserve the right to make changes to product lineup, specifications, design and finishes at any time without notice.

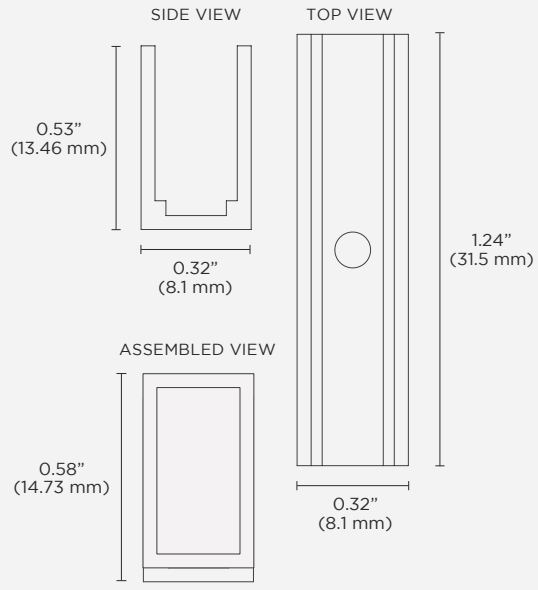
Acolyte does not warrant or represent that the information is free from errors or omission. The information may change without notice and Acolyte is not in any way liable for the accuracy of any information printed and stored or in any way interpreted or used.

DIMENSIONS / DIAGRAMS

DIMENSIONS		NEON SILHOUETTE
FLEX CHANNEL		
IP68	Assembled Width	0.32 in (8.1 mm)
	Length	Varies (see dimmensions on pg. 2)
	Assembled Height	0.58 in (14.73 mm)

DIAGRAMS	NEON SILHOUETTE
TUBE	**TUBE OUTER HEIGHT:** 0.47 in / 11.9 mm **TUBE OUTER WIDTH:** 0.24 / 6.0 mm **END CAP HEIGHT:** 0.55 in / 14 mm **END CAP WIDTH:** 0.31 in / 8.0 mm
MOUNTING CLIP	**MOUNTING CLIP OVERALL HEIGHT:** 0.53 in / 13.46 mm **MOUNTING CLIP LENGTH:** 1.24 in / 31.5 mm **MOUNTING CLIP WIDTH:** 0.32 in / 8.1 mm **MOUNTING CLIP SCREW TAP DIAMETER:** 0.11 in / 2.8 mm **MOUNTING CLIP THICKNESS:** 0.05 in / 1.3 mm **MOUNTING CHANNEL:** Sold by the foot, up to 6 ft 6 in. / 2 m (Part #: NLSCH) Use (2) mounting clips per foot unless specific shapes require more *Recommended mounting clip screw size: #4-40





DISCLAIMER

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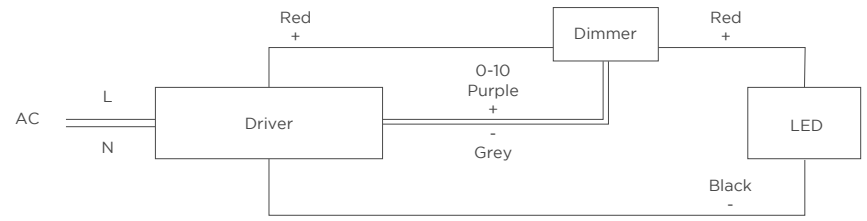
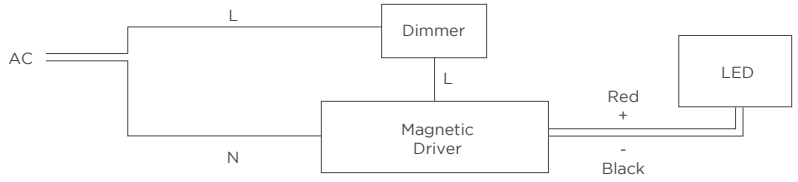
This product is not intended to be submerged in pools and fountains and does not carry UL 676 certification to do so.

WIRING DIAGRAMS

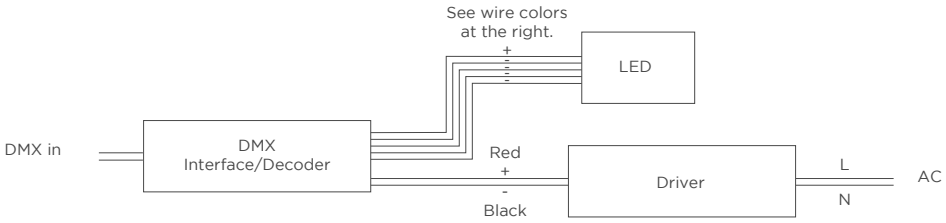
0-10V



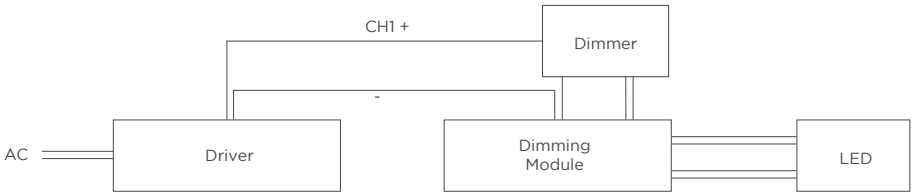
MAGNETIC + ELV



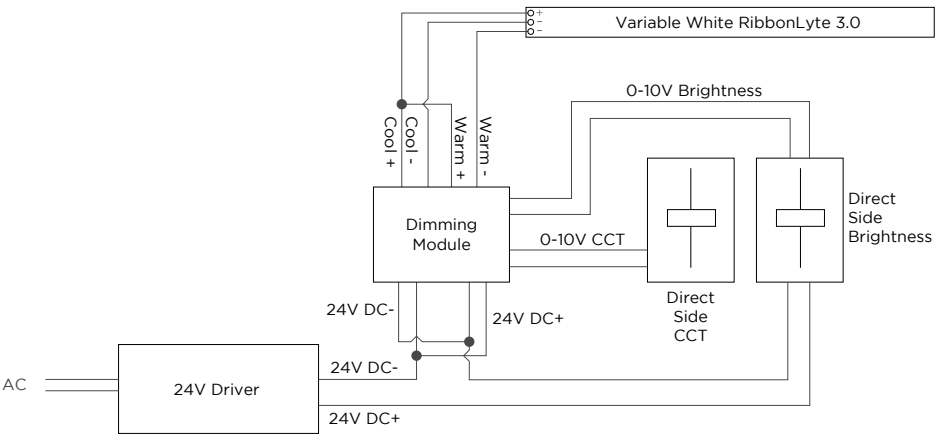
DMX



WARM DIM



2-CHANNEL VARIABLE WHITE DIMMING



REV.23SEP2021

WIRE COLORS PER RIBBONLYTE COLOR

STATIC WHITE + STATIC COLOR
Red Wire (+) Positive
Black Wire (-) Negative

RGB
Black Wire (+) Positive
Red Wire (-) Goes To Red Channel
Green Wire (-) Goes To Green Channel
Blue Wire (-) Goes To Blue Channel

VARIABLE WHITE
Black Wire (+) Positive
Red Wire (-) goes to Warm White Channel
Green Wire (-) goes to Cool White Channel

WARM DIM
Red Wire (-) goes to Warm White Channel
Blue Wire (-) goes to Cool White Channel
Black Wire (+) goes to Warm White Channel
Green Wire (+) goes to Cool White Channel

ATLANTIS "OH"

1518SK-LL

ATLANTIS LARGE LED PATH LIGHT

Hinkley Path Lights add impeccable style and safety to walkways and outdoor living environments to create sophisticated curb appeal.

DETAILS	
FINISH:	Satin Black
MATERIAL:	Aluminum
GLASS:	Etched Lens

DIMENSIONS	
WIDTH:	6.5"
HEIGHT:	22"
DEPTH:	1.8"
WEIGHT:	2 lbs.
TOP TO OUTLET:	0"

LIGHT SOURCE	
LIGHT SOURCE:	LED Lamp
LED NAME:	EA-LMW-1.5W
WATTAGE:	1-1.50w Mini Wedge LED *Included
VOLTAGE:	12v
COLOR TEMP:	2700
LUMENS:	150
CRI:	80
INCANDESCENT EQUIVALENCY:	1 x 25w
DIMMABLE:	Yes - MLV On Transformer Primary
TRANSFORMER REQUIRED:	Yes

MOUNTING	
LEAD WIRE:	1 X 36"

SHIPPING	
CARTON LENGTH:	8.5"
CARTON WIDTH:	24.5"
CARTON HEIGHT:	4.3"
CARTON WEIGHT:	3 lbs.

PRODUCT DETAILS:

- A wiring kit and ground spike is supplied.
- Suitable for use in wet (outdoor direct rain or sprinkler) locations as defined by NEC and CEC. Meets United States UL Underwriters Laboratories & CSA Canadian Standards Association Product Safety Standards
- LED Lamps carry a 3-year limited warranty
- Bold lines and a clean, minimalist style complement contemporary architecture
- Striking black finish enhances design
- Please refer to Hinkley's Warranty for complete product warranty details; some warranty limitations may apply.

HINKLEY

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