



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

ARCHITECTURAL & DESIGN REVIEW APPLICATION

Applicant/Contact Person: _____

Address: _____ **Phone Number of Contact Person:** _____

City, State, Zip Code: _____ **Email of Contact Person:** _____

Project Address: _____ **Lot:** LOT 4 CSM 4905

LOT 4 CSM 4905 CS22/13&14 R7991/41-4/10/86 DESCR
 AS SEC 9-6-
 9 PRT NW1/4NE1/4 78,336 SQ FT & PRT LOT 10
 CHAPEL VALLEY DES
 CR AS BEG SE COR LOT 10 TH NWLY ALG CRV TO
 LEFT ON NLY R/W C
 HAPLE VALLEY RD RAD 464.51 FT LC N69DEG15'31"W
 28.35 FT TH N
 00DEG30'55"W PARALLEL WITH ELY LN SD LOT 10
 209.31 FT TO NLY
 LN LOT 10 TH N88DEG35'35"E ALG SD NLY LN 26.42 FT
 TO NW COR
 LOT 4 CSM 4905 TH S00DEG30'55"E 220.00 FT TO SELY
 COR LOT 1
 0 & POB

Project Type: _____ **Multi-Family** _____ **Commercial** _____ **Industrial**
 _____ **New** _____ **Addition**

Impervious Surface Ratio (ISR): _____ (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. **Not applicable**
- 4. Location of well, septic tank, drainfield, etc. (if applicable) **Not 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.). **Existing Building**
- 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. Existing building fully sprinklered with alarm

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).

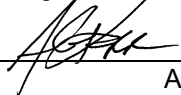
Landscaping:

- 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.

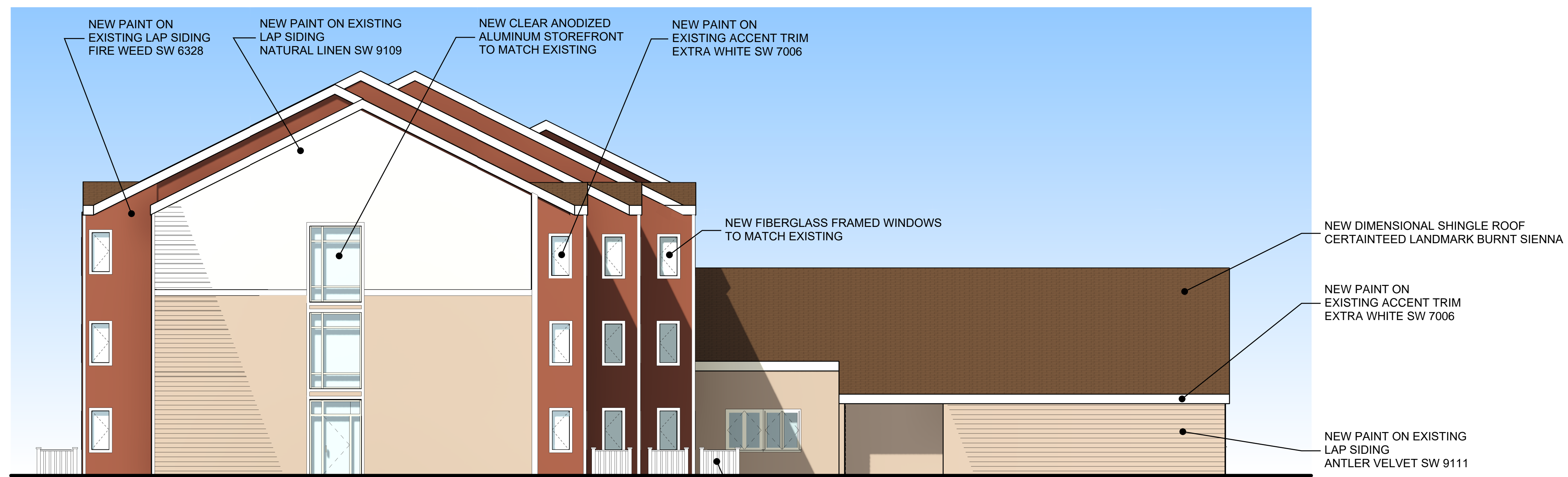
Signed:  Date: _____
Applicant or Authorized Agent

***** 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

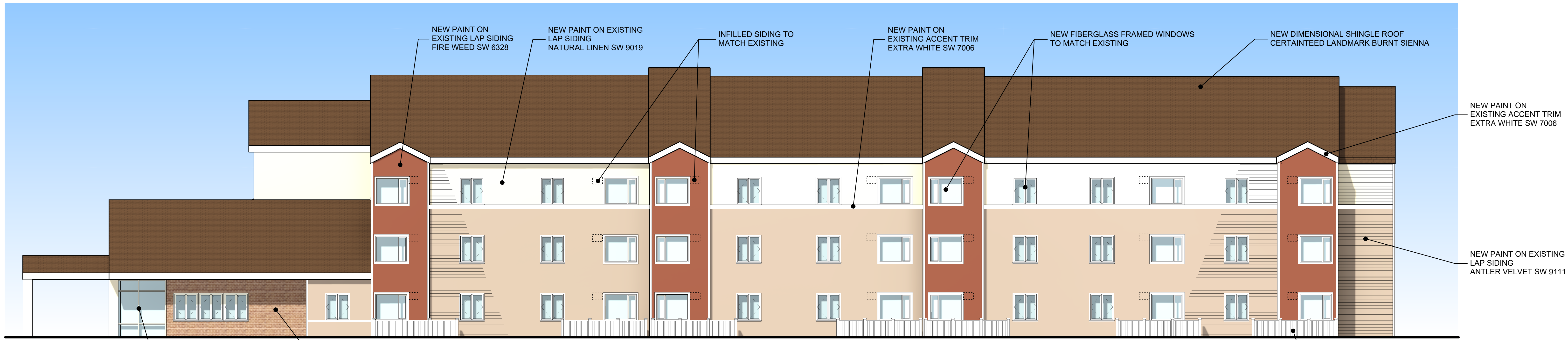
Date Received: _____ Plan Commission Date: _____

Comments:



1
A-200
NORTH ELEVATION
1/8" = 1'-0"

NEW SOLID FENCE TO CONCEAL A/C UNITS

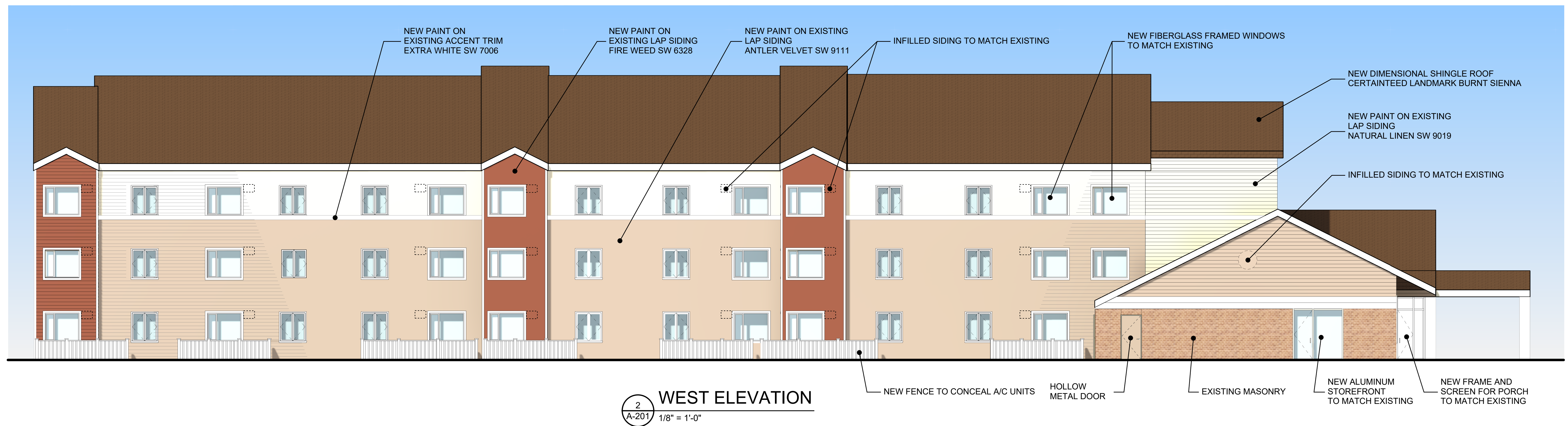
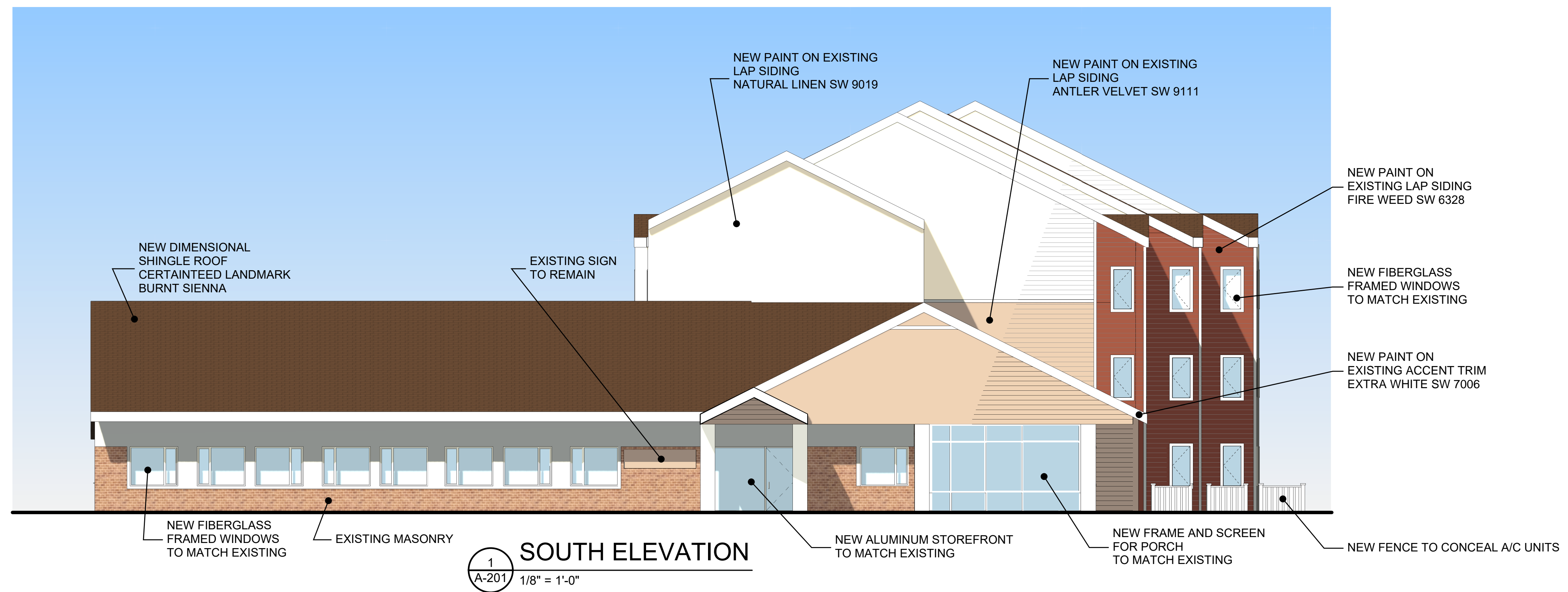


2
A-200
EAST ELEVATION
1/8" = 1'-0"

NEW FRAME AND SCREEN FOR PORCH TO MATCH EXISTING

EXISTING MASONRY

NEW SOLID FENCE TO CONCEAL A/C UNITS



#	Date:	Description:
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

ALTA/NSPS LAND TITLE SURVEY

PART OF THE NORTHEAST 1/4 OF SECTION 9, TOWNSHIP 06 NORTH,
RANGE 09 EAST, FITCHBURG, DANE COUNTY, WISCONSIN.

LEGEND

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> GOVERNMENT CORNER 1" IRON PIPE FOUND 3/4" REBAR FOUND 3/4" x 24" REBAR SET (1.50 LBS/LF) CHISELED 'X' SET BENCHMARK FINISHED FLOOR SHOT LOCATION MAIL BOX SIGN SANITARY MANHOLE HYDRANT WATER VALVE STORM MANHOLE ROUND CASTED INLET CURB INLET GAS VALVE | <ul style="list-style-type: none"> ELECTRIC TRANSFORMER LIGHT POLE YARD LIGHT POWER POLE TELEPHONE PEDESTAL VAULT CABLE PEDESTAL HANDICAP PARKING PARCEL BOUNDARY SECTION LINE RIGHT-OF-WAY LINE PLATTED LOT LINE CHORD LINE EASEMENT LINE FENCE LINE END OF FLAGGED UTILITIES DENOTES RECORDED AS MEASUREMENTS
DEPICTING THE SAME LINE ON THE
GROUND AS RETRACED BY THIS SURVEY | <ul style="list-style-type: none"> CONCRETE CURB & GUTTER EDGE OF PAVEMENT SANITARY SEWER WATER LINE STORM SEWER NATURAL GAS UNDERGROUND ELECTRIC BUILDING INDEX CONTOUR INTERMEDIATE CONTOUR LUMINOUS PAVEMENT CONCRETE PAVEMENT PAVEMENT STRIPING |
|--|---|--|

NOTES

- FIELD WORK PERFORMED BY ON JANUARY 27-29, 2025.
- BEARINGS FOR THIS SURVEY AND MAP ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE ZONE THE NORTH LINE OF THE NORTHEAST QUARTER N89°59'56"E.
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). BENCHMARK IS A TAG BOLT OF A HYDRANT AT THE NORTHEAST CORNER OF CHAPEL VALLEY ROAD AND BRENDAN ROAD, ELEVATION = 918.64'
- CONTOUR INTERVAL IS ONE FOOT.
- SUBSURFACE UTILITIES AND FEATURES SHOWN ON THIS MAP HAVE BEEN APPROXIMATED BY LOCATING SURFICIAL FEATURES AND APPURTENANCES, LOCATING DIGGERS HOTLINE FIELD MARKINGS AND BY REFERENCE TO UTILITY RECORDS AND MAPS. DIGGER'S HOTLINE TICKET NOS. 20250401876 AND 20250401879, WITH A CLEAR DATE OF JANUARY 24, 2025.
- UTILITY COMPANIES CONTACTED THRU DIGGERS HOTLINE:
CITY OF FITCHBURG MGE (ELECTRIC AND GAS) CITY OF MADISON ENGINEERING
CHARTER COMMUNICATIONS WINDSTREAM AT&T
WINDSTREAM COMMUNICATIONS MCI
- BEFORE EXCAVATION, APPROPRIATE UTILITY COMPANIES SHOULD BE CONTACTED. FOR EXACT LOCATION OF UNDERGROUND UTILITIES, CONTACT DIGGERS HOTLINE, AT 1.800.242.8511.

NOTES CORRESPONDING TO TABLE A REQUIREMENTS.

ITEM 9 THERE ARE 30 PARKING SPACES AND 8 HANDICAP SPACES FOR A TOTAL OF 37 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 5.6.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, B11 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.

NOTES CORRESPONDING TO SCHEDULE B-SECTION TWO EXCEPTIONS

(KNIGHT BARRY TITLE SERVICE LLC, FILE NO.: 2251887, EFFECTIVE DATE: JANUARY 31, 2025 AT 12:01 A.M., ISSUE DATE: FEBRUARY 04, 2025)

- EASEMENT AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED NOVEMBER 17, 1977 AS DOCUMENT NO. 1548417.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- NOTICE AFFECTING REAL ESTATE AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED SEPTEMBER 21, 1978 AS DOCUMENT NO. 1592785.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.
- NOTICE AFFECTING REAL ESTATE AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED SEPTEMBER 25, 1978 AS DOCUMENT NO. 1593197.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.
- EASEMENTS, RESTRICTIONS AND OTHER MATTERS SHOWN ON CERTIFIED SURVEY MAP NO. 4905 RECORDED APRIL 11, 1986 AS DOCUMENT NO. 1929718; MODIFIED BY AFFIDAVIT RECORDED MAY 22, 1986 AS DOCUMENT NO. 1937216.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- PUBLIC SANITARY AND STORM SEWER EASEMENT AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED APRIL 10, 1987 AS DOCUMENT NO. 2009689.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- EASEMENT AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED DECEMBER 16, 1991 AS DOCUMENT NO. 2308694.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- SEWER LINE AGREEMENT AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED DECEMBER 16, 1991 AS DOCUMENT NO. 2308695.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- EASEMENTS, RESTRICTIONS AND OTHER MATTERS SHOWN ON THE PLAT OF CHAPEL VALLEY RECORDED JUNE 23, 1992 AS DOCUMENT NO. 2366292; MODIFIED BY AFFIDAVIT RECORDED OCTOBER 9, 1992 AS DOCUMENT NO. 2400548.
THIS ITEM DOES NOT AFFECT THE SUBJECT PROPERTY AND IS NOT PLOTTED HEREON.
- CONTRACT FOR SUBDIVISION IMPROVEMENTS AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED JULY 23, 1992 AS DOCUMENT NO. 2374895.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.
- MORTGAGE FROM ILL SENIOR HOUSING - CHAPEL VALLEY ROAD, INC., A WISCONSIN NON-STOCK CORPORATION TO UNITED STATES OF AMERICA ACTING BY AND THROUGH THE SECRETARY OF HOUSING AND URBAN DEVELOPMENT IN THE AMOUNT OF \$2,541,000.00 DATED MARCH 28, 1995 AND RECORDED MARCH 28, 1995 AS DOCUMENT NO. 2666653; MODIFIED BY AGREEMENT RECORDED MARCH 28, 1995 AS DOCUMENT NO. 2666654; FURTHER MODIFIED BY AGREEMENT RECORDED MARCH 28, 1995 AS DOCUMENT NO. 2666655.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- RIGHT-OF-WAY GRANT UNDERGROUND ELECTRIC AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED OCTOBER 24, 1995 AS DOCUMENT NO. 2713186.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS PLOTTED HEREON.
- NOTICE OF LEASE AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED OCTOBER 17, 1997 AS DOCUMENT NO. 2898943.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.
- MORTGAGE FROM ILL SENIOR HOUSING - CHAPEL VALLEY ROAD, INC., A NON-STOCK CORPORATION TO COUNTY OF DANE, A MUNICIPAL CORPORATION IN THE AMOUNT OF \$285,906.00 DATED AUGUST 15, 2012 AND RECORDED OCTOBER 19, 2012 AS DOCUMENT NO. 4924328.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.
- LAND USE RESTRICTION AGREEMENT AND OTHER MATTERS CONTAINED IN THE INSTRUMENT RECORDED OCTOBER 19, 2012 AS DOCUMENT NO. 4924329.
THIS ITEM DOES AFFECT THE SUBJECT PROPERTY AND IS NOT GRAPHIC IN NATURE, THEREFORE IT IS NOT PLOTTED HEREON.

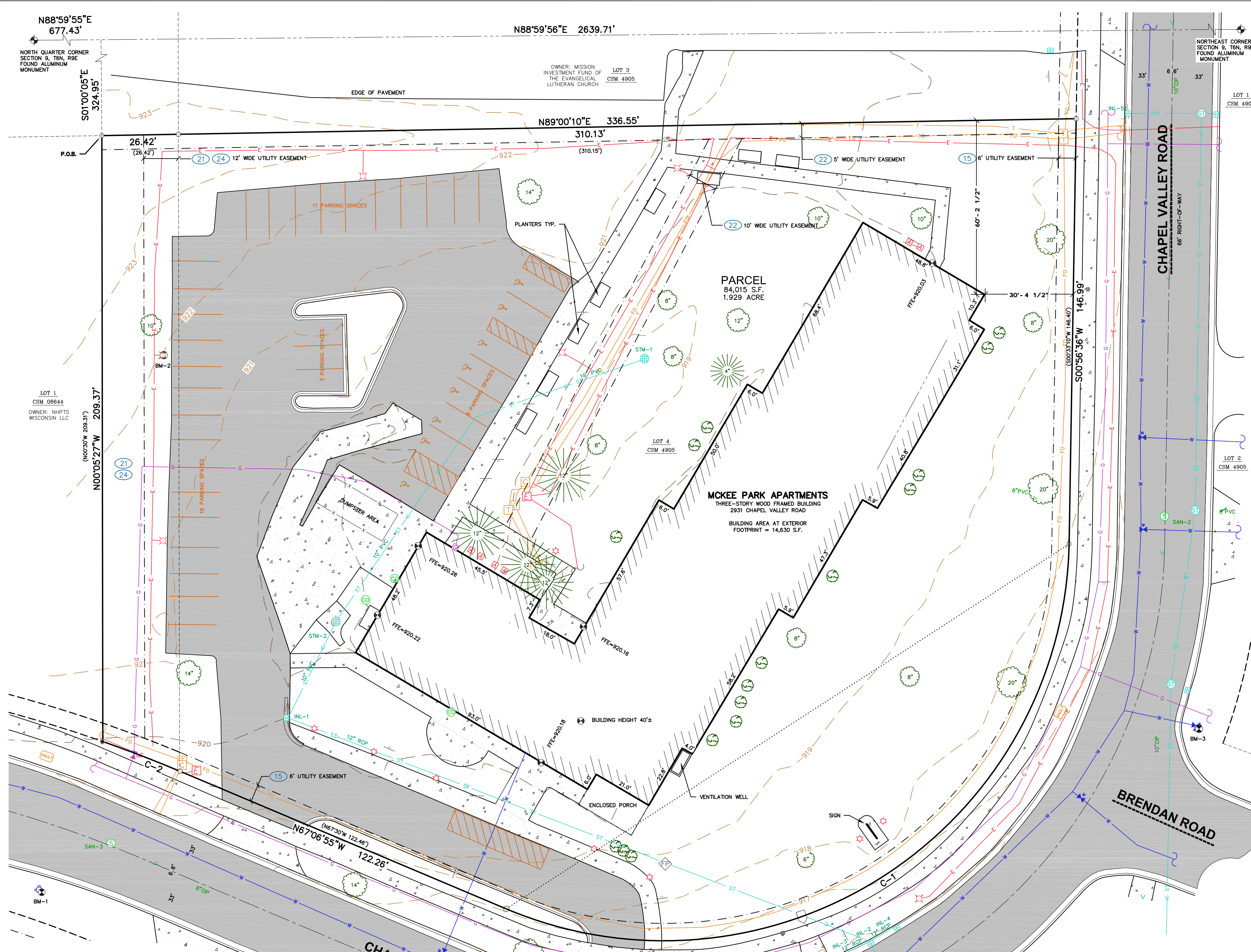
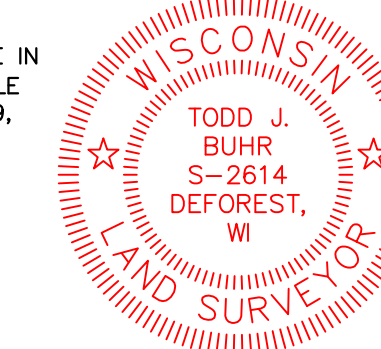
SURVEYOR'S CERTIFICATE

TO:
i) KNIGHT BARRY TITLE SERVICES LLC,
ii) DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
iii) ALEE PARTNERSHIP, LLC.

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, 5, 8, 9, 11(6), 12 & 20 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JANUARY 29, 2025.

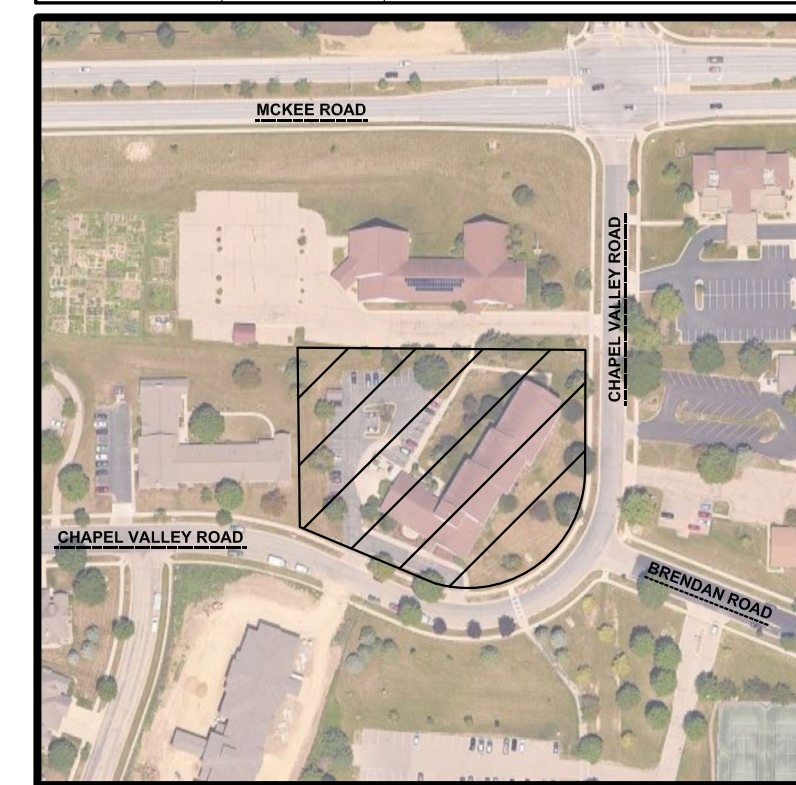
TODD J. BUHR, S-2614
PROFESSIONAL LAND SURVEYOR
Email: todd.buhr@jsdinc.com
Website: www.jsdinc.com

DATE



BENCHMARKS

BENCH MARK	ELEVATION	DESCRIPTION
BM-1	921.55	TAG BOLT ON HYDRANT IN SOUTH SIDE OF CHAPEL VALLEY RD. WEST END
BM-2	923.54	CUT X ON LIGHT POLE BASE WEST SIDE OF PARKING LOT ON SITE
BM-3	918.64	TAG BOLT ON HYDRANT NE CORNER OF CHAPEL VALLEY RD AND BRENDAN AVE



STORM SEWER INLETS

INLET ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
INL-1	919.86	NE	913.66	10"	PVC
INL-2	915.30	E	913.66	12"	RCP
		NE	911.80	12"	RCP
		SE	911.38	12"	RCP
		SW	911.80	12"	RCP
INL-3	915.37	SE	911.07	24"	RCP
INL-4	915.40	NW	913.07	12"	RCP
		SW	913.30	12"	RCP

CURVE TABLE

CURVE	RADIUS	DELTA	CHORD BEARING	CHORD	ARC LENGTH	TANGENT LENGTH
C-1	140.00'	111°42'00"	S57°02'09"W	231.72'	272.93'	206.39'
()	(140.00')	()	(S66°15'W)	()	(202.26')	()
C-2	465.99'	003°31'02"	N68°55'10"W	28.60'	28.61'	14.31'
()	(464.51')	(03°29'49")	(N69°14'54"W)	(28.35')	()	()

STORM SEWER MANHOLES

STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
STM-1	918.11	SW	915.09	10"	PVC
STM-2	918.88	NE	914.05	10"	PVC
		SW	913.88	10"	PVC

SANITARY SEWER MANHOLES

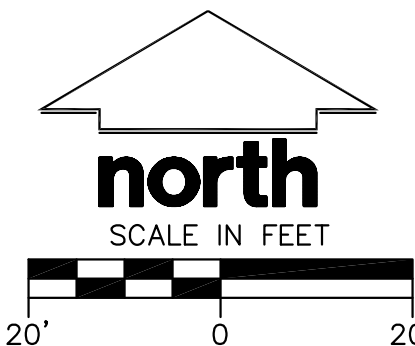
STRUCT. ID	RIM ELEVATION	INVERT	ELEVATION	PIPE SIZE	PIPE TYPE
SAN-1	919.35	N	909.93	10"	CIP
		E	910.17	8"	PVC
		W	910.17	8"	PVC
SAN-2	917.41	S	909.88	10"	CIP
		N	907.39	10"	CIP
		E	907.68	8"	PVC
SAN-3	919.03	W	907.68	8"	PVC
		S	907.29	10"	CIP
		W	910.48	10"	CIP
		E	910.38	10"	CIP

LEGAL DESCRIPTION

PARCEL A:
LOT FOUR (4), CERTIFIED SURVEY MAPS OF DANE COUNTY, WISCONSIN, PAGE 13, AS DOCUMENT NUMBER 1929718, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN.

PARCEL B:
PART OF THE NORTH TEN (10), CHAPEL VALLEY, CITY OF FITCHBURG, DANE COUNTY, WISCONSIN, MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 10, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF LOT 4, CERTIFIED SURVEY MAP NO. 4905, SAID POINT BEING A POINT OF CURVE; THENCE NORTHWESTERLY ALONG THE ARC OF A CURVE TO THE LEFT ON THE NORTHERLY RIGHT-OF-WAY LINE OF CHAPEL VALLEY ROAD WHICH HAS A RADIUS OF 464.51 FEET, A CENTRAL ANGLE OF 3 DEGREES 29'49" AND A LONG CHORD WHICH BEARS NORTH 69 DEGREES 14'54" WEST (ALSO RECORDED AS NORTH 69 DEGREES 15'31" WEST), A DISTANCE OF 28.35 FEET; THENCE NORTH 0 DEGREES 30' 00" WEST (ALSO RECORDED AS NORTH 0 DEGREES 30' 55" WEST), PARALLEL WITH THE EASTERLY LINE OF SAID LOT 10, 209.31 FEET TO THE NORTHERLY LINE OF SAID LOT 10; THENCE NORTH 88 DEGREES 30' 30" EAST (ALSO RECORDED AS NORTH 88 DEGREES 35' 35" EAST) ALONG SAID NORTHERLY LINE, 26.42 FEET TO THE NORTHWEST CORNER OF LOT 4, CERTIFIED SURVEY MAP NO. 4905; THENCE SOUTH 0 DEGREES 30' 00" EAST (ALSO RECORDED AS SOUTH 0 DEGREE 30' 55" EAST), 220.00 FEET TO THE SOUTHEASTERLY CORNER OF LOT 10, CHAPEL VALLEY, SAID POINT BEING THE POINT OF BEGINNING.

TAX KEY NO: 225-0609-091-8550-0



GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGENDS. CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS AND UTILITY LOCATIONS AND ELEVATIONS.
- ALL WORK IN THE RIGHT-OF-WAY AND/OR PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, JURISDICTIONAL SPECIFICATIONS, AND APPROVED BY THE JURISDICTION HAVING AUTHORITY.
- EXISTING GRADE SPOT ELEVATIONS SHOWN FOR INFORMATIONAL PURPOSES. DURING CONSTRUCTION MATCH EXISTING GRADES AT CONSTRUCTION LIMITS AND CHECK FOR DRAINAGE ISSUES.
- NO SITE GRADING OUTSIDE OR DOWNSLOPE OF PROPOSED SILT FENCE LOCATION. NO LAND DISTURBANCE BEYOND PROPERTY LINES.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- CONTRACTOR SHALL RESTORE ALL BUILDINGS, PAVEMENT, PIPES, SLOPES, AND STRUCTURES DAMAGED BY THE CONTRACTOR TO PRE-EXISTING OR BETTER CONDITIONS.
- THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE JURISDICTIONAL AUTHORITY AND IS SUBJECT TO CHANGE AT ANY TIME.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- ANY REFERENCES TO THE TERMS OR ENTITY ABBREVIATIONS IN THE FOLLOWING NOTES AND SPECIFICATIONS SHALL BE UNDERSTOOD AS FOLLOWS:
 - "JURISDICTION" - THE LOCAL GOVERNMENTAL AGENCY (I.E., CITY, VILLAGE, TOWN, COUNTY, STATE, OR UTILITY SERVICE PROVIDER) HAVING AUTHORITY.
 - "STATE HIGHWAY SPECIFICATIONS" - STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION AND SUPPLEMENTS.
 - "STANDARD SPECIFICATIONS" - STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN AND SUPPLEMENTS.
 - WISCONSIN DEPARTMENT OF TRANSPORTATION - "WISDOT"
 - WISCONSIN DEPARTMENT OF NATURAL RESOURCES - "WDNR"
 - DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES - "DPS" OR "SPS"

DEMOLITION NOTES

- 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, "DIGGERS HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVEGROUND 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.
- CONTRACTOR SHALL KEEP ALL STREETS AND PRIVATE DRIVES FREE AND CLEAR OF ALL CONSTRUCTION-RELATED DIRT, DUST, AND DEBRIS.
- ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY. STUMPS TO BE GROUND TO PROTECTED SUBGRADE UNLESS DIRECTED BY ENGINEER.
- ALL LIGHT POLES TO BE REMOVED SHALL BE COORDINATED WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- ABANDONED/REMOVED ITEMS SHALL BE LEGALLY DISPOSED OF OFFSITE UNLESS OTHERWISE NOTED.
- CONTRACTOR TO REPLACE ALL SIDEWALK AND CURB AND GUTTER ABUTTING THE PROPERTIES THAT WERE DAMAGED BY THE CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO:
 - 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.
 - VERIFY ALL UTILITY ELEVATIONS, SIZES, AND LOCATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - NOTIFY ALL UTILITIES OWNERS PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - NOTIFY THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
- ANY UTILITIES THAT ARE DAMAGED BY THE CONTRACTORS SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL COORDINATE PRIVATE UTILITY REMOVAL/ABANDONMENT AND NECESSARY RELOCATION WITH RESPECTIVE UTILITY COMPANY. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED JURISDICTIONS RECYCLING PLAN.
- ANY CONTAMINATED SOILS ENCOUNTERED SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROPRIATE AND APPROVED LANDFILL.
- ALL EXISTING UTILITIES SHALL BE FIELD LOCATED AND CLEARLY MARKED BY CONTRACTOR PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING UTILITY LINE LOCATION(S). CONTRACTOR SHALL BE RESPONSIBLE FOR CONDUCTING UTILITY LINE OPENINGS (ULO) TO CONFIRM LOCATIONS OR ELEVATIONS, AS REQUESTED BY THE ENGINEER.
- ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. CONTRACTOR SHALL KEEP ALL STREETS AND PAVEMENTS FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST, AND DEBRIS.
- REMOVALS SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR. CONTRACTOR SHALL FOLLOW ALL DEMOLITION REGULATIONS, DISCONNECT ALL UTILITIES, OBTAIN ALL APPLICABLE PERMITS, AND DISPOSE OF ALL BUILDING MATERIALS IN APPROPRIATE AND APPROVED LANDFILLS. DEMOLISHED MATERIALS SHALL NOT BE BURNED OR BURIED ONSITE.
- RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHALL BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION, AND REMOVAL. THIS INCLUDES CURB AND GUTTER, SIDEWALK, TOPSOIL, SEEDING, AND MULCHING.

CONSTRUCTION SEQUENCING

- INSTALL PERIMETER SILT FENCE, WATTLÉS, INLET PROTECTION, AND CONSTRUCTION ENTRANCE.
- STRIP AND STOCKPILE TOPSOIL AND INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
- CONDUCT ROUGH GRADING EFFORTS AND INSTALL CHECK DAMS WITHIN DRAINAGE AREAS.
- INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION.
- COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC.
- PLACE TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROL MEASURES AS INDICATED ON PLANS.
- EROSION CONTROLS SHALL NOT BE REMOVED UNTIL SITE IS FULLY STABILIZED OR 70% CONTIGUOUS 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.

SEEDING AND RESTORATION NOTES

- CONTRACTOR SHALL PROVIDE NOTICE TO THE JURISDICTIONAL AUTHORITIES IN ADVANCE OF ANY SOIL DISTURBING ACTIVITIES, IN ACCORDANCE WITH MUNICIPAL REQUIREMENTS.
- 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.
- CONTRACTOR SHALL WATER ALL NEWLY SODDED/SEEDING AREAS DURING THE SUMMER MONTHS WHENEVER THERE IS A 7-DAY LAPSE WITH NO SIGNIFICANT RAINFALL.
- ALL SLOPES 20% OR GREATER SHALL BE TEMPORARILY SEEDED, MULCHED, OR OTHER MEANS OF COVER PLACED ON THEM WITHIN 2 WEEKS OF DISTURBANCE. REFER TO STABILIZATION PRACTICES IN THE EROSION CONTROL NOTES FOR FURTHER SPECIFICATIONS.
- SEED MULCHING/EROSION MATTING SPECIFICATIONS:
 - ALL SEEDED AREAS WITH SLOPES FLATTER THAN 4:1, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL BE STABILIZED WITH WEED-FREE WHEAT STRAW MULCH WITH METHODS AND RATES IN ACCORDANCE WITH SECTION 627 OF THE STATE HIGHWAY SPECIFICATIONS.
 - ALL SEEDED AREAS WITH SLOPES EQUAL TO OR STEEPER THAN 4:1, UNLESS OTHERWISE NOTED ON THE PLANS, SHALL BE STABILIZED WITH EROSION MATTING MATERIALS AS SPECIFIED ON THE PLANS. EROSION MATTING SHALL BE IN ACCORDANCE WITH SECTION 628 OF THE STATE HIGHWAY SPECIFICATIONS.

PAVING NOTES

- GENERAL:
 - PAVING SHALL CONFORM TO STATE HIGHWAY SPECIFICATIONS, APPLICABLE JURISDICTIONAL SPECIFICATIONS, AND IS RECOMMENDED THAT A GEOTECHNICAL REPORT BE PREPARED.
 - ALL PAVING DIMENSIONS ARE TO FACE OF CURB UNLESS SPECIFIED OTHERWISE.
 - ALL SPOT GRADING TO EDGE OF PAVEMENT UNLESS SPECIFIED OTHERWISE.
 - 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.
 - ANY REQUIRED REPLACEMENT OF PUBLIC CURB AND GUTTER, PAVEMENT, OR SIDEWALK SHALL MATCH EXISTING AND MEET JURISDICTIONAL REQUIREMENTS.
- CRUSHED AGGREGATE BASE COURSE SPECIFICATIONS:
 - THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305 OF THE STATE HIGHWAY SPECIFICATIONS.
 - RECLAIMED OR RECYCLED ASPHALT MAY NOT BE USED AS CRUSHED AGGREGATE BASE COURSE UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD. USE OF ANY OTHER REPROCESSED OR BLENDED MATERIAL MUST FIRST BE APPROVED BY ENGINEER OF RECORD.
 - DO NOT PLACE BASE ON FROZEN FOUNDATIONS UNLESS THE ENGINEER APPROVES OTHERWISE.
 - DO NOT PLACE BASE ON FOUNDATIONS THAT ARE SOFT, SPONGY, OR COVERED BY ICE OR SNOW.
- HOT MIXED ASPHALT (HMA) PAVING SPECIFICATIONS:
 - THE PLACING, CONSTRUCTION, AND COMPOSITION OF THE BASE COURSE AND HMA SURFACE COURSE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460, AND 465 OF THE STATE HIGHWAY SPECIFICATIONS.
 - WEATHER LIMITATIONS:
 - DO NOT PLACE HMA WHEN BASE IS WET OR CONTAINS EXCESS MOISTURE.
 - DO NOT PLACE ASPHALTIC MIXTURE WHEN THE AIR TEMPERATURE IS APPROXIMATELY 3° ABOVE GRADE, IN SHADE, AND AWAY FROM ARTIFICIAL HEAT SOURCES IS LESS THAN 40°F UNLESS A VALID ENGINEER-ACCEPTED COLD WEATHER PAVING PLAN IS IN EFFECT.
 - PLACE ASPHALTIC MIXTURE ONLY ON A PREPARED, FIRM, AND COMPACTED BASE, FOUNDATION LAYER, OR EXISTING PAVEMENT SUBSTANTIAL TO WEATHER DRY AND FOREIGN MATERIAL. DO NOT PLACE OVER FROZEN SUBGRADE OR BASE, OR WHERE THE ROADBED IS UNSTABLE.
 - APPLY TACK COAT ONLY WHEN THE AIR TEMPERATURE IS 32°F OR MORE UNLESS THE ENGINEER APPROVES OTHERWISE IN WRITING.
 - ALL ASPHALT (BOTH UPPER AND LOWER LAYERS) SHALL BE DELIVERED TO THE PROJECT SITE AT A TEMPERATURE NOT LOWER THAN 250°F.
 - CONTRACTOR SHALL ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
 - BINDER COURSE AGGREGATE:
 - THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTION 460 OF THE STATE HIGHWAY SPECIFICATIONS.
 - SURFACE COURSE AGGREGATE:
 - THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460 AND 465 OF THE STATE HIGHWAY SPECIFICATIONS.
 - ASPHALTIC MATERIAL:
 - THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTIONS 455, 460, AND 465 OF THE STATE HIGHWAY SPECIFICATIONS.
- CONCRETE PAVING SPECIFICATIONS:
 - CONCRETE PAVING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 405, 415, AND 416 OF THE STATE HIGHWAY SPECIFICATIONS.
 - CURING COMPOUNDS SHALL CONFORM TO SECTION 415 OF THE STATE HIGHWAY SPECIFICATIONS.
 - CONTRACTOR SHALL PROVIDE A JOINTING PLAN TO ENGINEER IF NOT INCLUDED IN THE PLANS. 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 15' ON CENTER.
 - CONTRACTOR SHALL PROVIDE EXPANSION JOINTS IN SIDEWALKS AT A MAXIMUM 100' APART.
 - PLACE EXPANSION JOINTS IN CURB, GUTTER, OR CURB AND GUTTER CONSTRUCTED NEXT TO ASPHALTIC PAVEMENT OR SURFACE LOCATE JOINTS EVERYWHERE THAT TANGENT AND RADIAL CURB OR CURB AND GUTTER MEET. ON EACH SIDE OF EVERY INLET 3' FROM THE INLET, BUT NO CLOSER THAN 6" FROM ANOTHER JOINT; AND ON TANGENT SECTIONS PLACE BETWEEN 6' AND 30'.
 - IF CONSTRUCTING CURB, GUTTER, OR CURB AND GUTTER NEXT TO, OR ON, CONCRETE PAVEMENT CONSTRUCTED WITH EXPANSION JOINTS, THEN PLACE EXPANSION JOINTS TO MATCH THE EXPANSION JOINT LOCATIONS IN THE PAVEMENTS.
 - FOR CURB AND GUTTER, FORM CONSTRUCTION JOINTS BY SAWING OR FORMING AN INDUCED PLANE OF WEAKNESS AT LEAST 2" DEEP IN THE CURB, GUTTER, OR CURB AND GUTTER DIRECTLY OPPOSITE CONSTRUCTION JOINTS IN ADJOINING CONCRETE PAVEMENT AND AT THE REQUIRED SPACING IN CURB, GUTTER, OR CURB AND GUTTER ADJOINING ASPHALTIC PAVEMENT. SPACE JOINTS BETWEEN 6' AND APPROXIMATELY 20' APART, AS THE ENGINEER DIRECTS.
 - EXTERIOR CONCRETE SURFACES SHALL BE BROOM FINISHED.
 - CONTRACTOR SHALL INSTALL TRUNCATED DOME WARNING DETECTION FIELD SHALL BE PLACED AT ALL ADA RAMPS AS SPECIFIED ON PLANS AND IN ACCORDANCE WITH STATE AND FEDERAL REQUIREMENTS.
- PAVEMENT MARKING SPECIFICATIONS:
 - ALL PARKING STALL LINES SHALL BE 4" WIDE, HIGH VISIBILITY YELLOW LATEX PAINT.
 - ALL PAVEMENT MARKINGS INCLUDING STOP BARS, CROSSWALKS, DIRECTIONAL ARROWS, PARKING STALL LINES, ADA STALL MARKINGS, NO PARKING ZONES, AND DROP-OFF/PICK-UP ZONES SHALL BE PAINTED WITH LATEX PAINT PER SPECIFICATIONS.

UTILITY NOTES

- 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 THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL "DIGGERS HOTLINE" PRIOR TO ANY CONSTRUCTION.
- 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 ALL UTILITIES SUCH AS BUT NOT LIMITED TO SANITARY, WATER, STORM, GAS, ELECTRIC, FIBEROPTIC, AND CABLE 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 JURISDICTIONAL AUTHORITY 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.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC UTILITIES AND STATE DSD/SPS AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE JURISDICTIONAL AUTHORITIES.
- SPECIFICATIONS SHALL COMPLY WITH THE JURISDICTIONAL AUTHORITY'S SPECIAL PROVISIONS.
- 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF IMPROVEMENTS.
- CONTRACTOR SHALL INSTALL A PEDESTRIAN FENCE AROUND ALL EXCAVATIONS TO BE LEFT OPEN OVERNIGHT AS REQUIRED IN CONSTRUCTION SITES WHERE THE POTENTIAL FOR PEDESTRIAN INJURY EXISTS.
- 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.
- ALL NON-METALLIC UTILITY PIPES (SANITARY SEWER, STORM SEWER, AND WATER PIPING) SHALL BE INSTALLED IN CONJUNCTION WITH TRACER WIRE AS REQUIRED BY SPS 382.30(1)(h), SPS 382.30(7)(c)(i), AND SPS 382.40(9)(k). COLOR OF TRACER WIRE SHALL BE: SANITARY SEWER - GREEN, STORM SEWER - BROWN, WATER - BLUE, NON-POTABLE WATER - PURPLE.
- DRY UTILITIES (COMMUNICATION, TELEPHONE, GAS, ELECTRIC, ETC.) ARE SHOWN FOR GENERAL ROUTING ONLY. CONTRACTOR SHALL COORDINATE DESIGN AND FINAL LOCATION WITH APPROPRIATE UTILITY COMPANY.
- THE PRIME CONTRACTOR SHALL BE 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.
- 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 JURISDICTIONAL AUTHORITY'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE INSTALLED 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.
- IN ANY LOCATIONS WHERE BUILDING SEWERS (STORM AND SANITARY) ARE INSTALLED WITH LESS THAN THE MINIMUM COVER AS SPECIFIED IN SPS 382.30(1)(c) OR WATER PIPING 382.40(8)(a), CONTRACTOR SHALL INSTALL INSULATION IN ACCORDANCE WITH SPS 382.30(1)(c)2. FOR PROTECTION FROM FROST.
- STORM SEWER SPECIFICATIONS:
 - PIPE:
 - HIGH DENSITY DUAL-WALL POLYETHYLENE CORRUGATED PIPE (HDPE) - SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF AASHTO DESIGNATION M294 TYPE "S".
 - POLYVINYL CHLORIDE (PVC) - SHALL MEET REQUIREMENTS OF ASTM D3034, SDR 35 FOR PIPE SIZES 8"-15" WITH INTEGRAL BELL JOINTS, MEETING THE REQUIREMENTS OF ASTM D3212, ASTM 1785 SCHEDULE 40 FOR PIPE DIAMETERS 4'-6". SDR 35 SHALL BE USED FOR DEPTHS 3'-15" AND SDR 26 FOR DEPTHS 16'-28" DEPENDENT ON LOCAL JURISDICTION.
 - INLETS AND CATCH BASINS:
 - INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.6.3 AND DETAIL DRAWINGS FILE NO. 28 OR 29 OF THE STANDARD SPECIFICATIONS, OR APPROVED EQUAL WITH A 2X3' MAXIMUM OPENING.
 - POLYVINYL CHLORIDE (PVC) INLETS BY NYLOPLAST ONLY WHEN SPECIFIED ON PLANS, CONFORMING TO ASTM D1781, ASTM D2122, ASTM F477, AND MANUFACTURER'S REQUIREMENTS. REFER TO PLANS FOR LID OR GRATE SPECIFICATION.
 - FRAME AND GRATINGS:
 - CURB FRAME AND GRATINGS SHALL BE NEENAH R-1550, HEAVY DUTY WITH "R" GRATE OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.
 - SOLID LID FRAME AND GRATINGS SHALL BE NEENAH R-1550, HEAVY DUTY NON-ROCKING SOLID LID OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.

UTILITY NOTES CONTINUED

- GRATE FRAME AND GRATINGS SHALL BE NEENAH R-1550, HEAVY DUTY WITH A R-2578 GRATE OR EQUAL, UNLESS AS SPECIFIED IN THE PLANS.
 - MANHOLES:
 - MANHOLES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CHAPTER 3.5.0 AND DETAIL DRAWINGS FILE NO. 11 AND/OR 12 OF THE STANDARD SPECIFICATIONS.
 - MANHOLE FRAMES AND COVERS SHALL BE NEENAH R-1550, HEAVY DUTY NON-ROCKING SOLID LID OR EQUAL, UNLESS AS SPECIFIED IN THE 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' BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5' FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL.
 - LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.4.3.5 OF THE STANDARD SPECIFICATIONS.
 - FIELD TILE CONNECTIONS:
 - 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.
- CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER OF RECORD AND OFFICIALS OF ANY CHANGES TO THE EROSION CONTROL AND STORMWATER MANAGEMENT PLANS.
- ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN ACCORDANCE WITH WDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. IT SHALL BE 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.
- INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE, AND EXISTING INLET PROTECTION) PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE COVER. MODIFICATIONS TO THE APPROVED EROSION CONTROL DESIGN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS IS ALLOWED IF MODIFICATIONS CONFORM TO WDNR TECHNICAL STANDARDS AND JURISDICTIONAL REQUIREMENTS. ALL DESIGN MODIFICATIONS MUST BE APPROVED BY THE JURISDICTIONAL AUTHORITIES PRIOR TO DEVIATION OF THE APPROVED PLAN.
- ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED BY JURISDICTIONS HAVING AUTHORITY AND/OR ENGINEER OF RECORD SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
- 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.
- ALL EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INSPECTED WITHIN 24 HOURS OF ALL RAIN EVENTS EXCEEDING 0.5". ANY DAMAGED EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED IMMEDIATELY UPON INSPECTION.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. ADDITIONAL LOCATIONS OTHER THAN AS SHOWN ON THE PLANS MUST BE PRE-APPROVED BY THE JURISDICTIONAL AUTHORITY. CONSTRUCTION ENTRANCES SHALL BE 50' LONG AND NO LESS THAN 12" THICK BY USE OF 3" SELECTED CRUSHED. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION WHICH WILL PREVENT THE TRACKING OF MUD OR DRY SEDIMENT OFF-SITE AFTER EACH WORKING DAY OR MORE FREQUENTLY AS REQUIRED.
- PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEP AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT, AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE JURISDICTIONAL AUTHORITIES.
- INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLETS OF ALL INSTALLED STORM SEWER. STONE DITCH CHECKS SHALL BE IMMEDIATELY FITTED AT ALL INSTALLED CULVERT INLETS TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS.
- 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."
- DITCH CHECKS AND APPLICABLE EROSION NETTING/MATTING SHALL BE INSTALLED IMMEDIATELY AFTER COMPLETION OF GRADING EFFORTS WITHIN DITCHES/WALES TO PREVENT SOIL TRANSPORTATION.
- EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.):
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH THE WDNR DEWATERING TECHNICAL STANDARD NO. 1061 PRIOR TO RELEASE INTO THE STORM SEWER, RECEIVING STREAM, OR DRAINAGE DITCH.
- SLOPES 4:1 OR GREATER SHALL BE STABILIZED WITH CLASS I, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS OR APPLICATION OF A WISDOT APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF, AS REQUIRED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. DRAINAGE SWALES SHALL BE STABILIZED WITH CLASS II, TYPE B EROSION MATTING PER STATE HIGHWAY SPECIFICATIONS. EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND WDNR TECHNICAL STANDARDS 1052 AND 1053.
- CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL DUST ARISING FROM CONSTRUCTION OPERATIONS. REFER TO WDNR TECHNICAL STANDARD 1068.
- A CONCRETE WASHOUT AREA SHALL BE DESIGNATED ONSITE. CONTRACTOR SHALL USE PRE-MANUFACTURED ABOVE GROUND WASHOUT TOTE OR EQUIVALENT CONTAINMENT AREA FOR ALL CONCRETE WASTE. CONCRETE WASTE SHALL ONLY BE CONTAINED IN ABOVE GROUND PRE-FABRICATED CONTAINERS OR CONSTRUCTED CONTAINMENT AREA AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FREQUENTLY DISPOSE OF OFF-SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS TO MAINTAIN THE SYSTEMS EFFECTIVENESS.
- STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. NO MORE THAN SEVEN (7) DAYS SHALL PASS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED UNLESS:
 - THE INITIATION STABILIZATION MEASURES BY THE SEVENTH (7) DAY AFTER CONSTRUCTION ACTIVITY HAS CEASED OR IS PRECLUDED BY SNOW COVER. IN THAT EVENT, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - 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) DAY). 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.
 - STABILIZATION MEASURES SHALL BE DETERMINED BASED ONSITE CONDITIONS WHEN CONSTRUCTION ACTIVITY HAS CEASED INCLUDING, BUT NOT LIMITED TO, WEATHER CONDITIONS AND LENGTH OF TIME THE 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) IN SPRING/SUMMER OR WHEAT OR CEREAL RYE (150LBS/ACRE) IN FALL.
 - HYDRO-MULCHING WITH A TACKIFIER
 - WOVEN AND NON-WOVEN GEOTEXTILES
 - EROSION MATTING
 - SODDING
 - OTHER MEASURES AS APPROVED BY THE ENGINEER
- 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 CONTIGUOUS DENSITY OF AT LEAST 70% FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES OR THAT EMPLOY EQUIVALENT PERMANENT STABILIZATION MEASURES.
- CONTRACTOR/OWNER SHALL FILE A NOTICE OF TERMINATION UPON COMPLETION OF THE PROJECT IN ACCORDANCE WITH WDNR REQUIREMENTS AND/OR REQUEST FOR PERMIT CLOSURE IN ACCORDANCE WITH JURISDICTION PERMIT AND SPECIFICATION REQUIREMENTS.

LEGEND

	PROPERTY LINE
	RIGHT-OF-WAY
	EASEMENT LINE
	DEMOLITION - REMOVAL OF CURB AND GUTTER
	DEMOLITION - SAWCUT
	DEMOLITION - REMOVAL OF ASPHALT SURFACE
	DEMOLITION - MILL AND OVERLAY OF ASPHALT SURFACE
	DEMOLITION - REMOVAL OF CONCRETE SURFACE
	DEMOLITION - REMOVAL OF LANDSCAPE BEDDING
	DEMOLITION - REMOVAL OF LIGHT
	DEMOLITION - REMOVAL OF BOLLARD LIGHT
	TREE REMOVAL
	SHRUB REMOVAL
	PROTECT EXISTING TREE
	BUILDING OUTLINE
	BUILDING OVERHANG
	EDGE OF PAVEMENT
	STANDARD CURB AND GUTTER
	MILL AND OVERLAY ASPHALT PAVEMENT
	FULL ASPHALT PAVEMENT SECTION
	CONCRETE PAVEMENT
	HEAVY DUTY CONCRETE PAVEMENT
	PROPOSED 1 FOOT CONTOUR
	PROPOSED 5 FOOT CONTOUR
	EXISTING 1 FOOT CONTOUR
	EXISTING 5 FOOT CONTOUR
	FENCE
	SIGN
	FLAG POLE
	BIKE RACK
	STORM SEWER
	SILT FENCE
	SPOT ELEVATION
	EP - EDGE OF PAVEMENT
	FG - FINISH GRADE
	EC - EDGE OF CONCRETE
	EX - MATCH EXISTING GRADE
	INLET PROTECTION

FG: XXX.XX



CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
ILLUMINUS

CLIENT ADDRESS:
**2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711**

PROJECT:
**MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS**

PROJECT LOCATION:
**2931 CHAPEL VALLEY ROAD
FITCHBURG, WI**

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

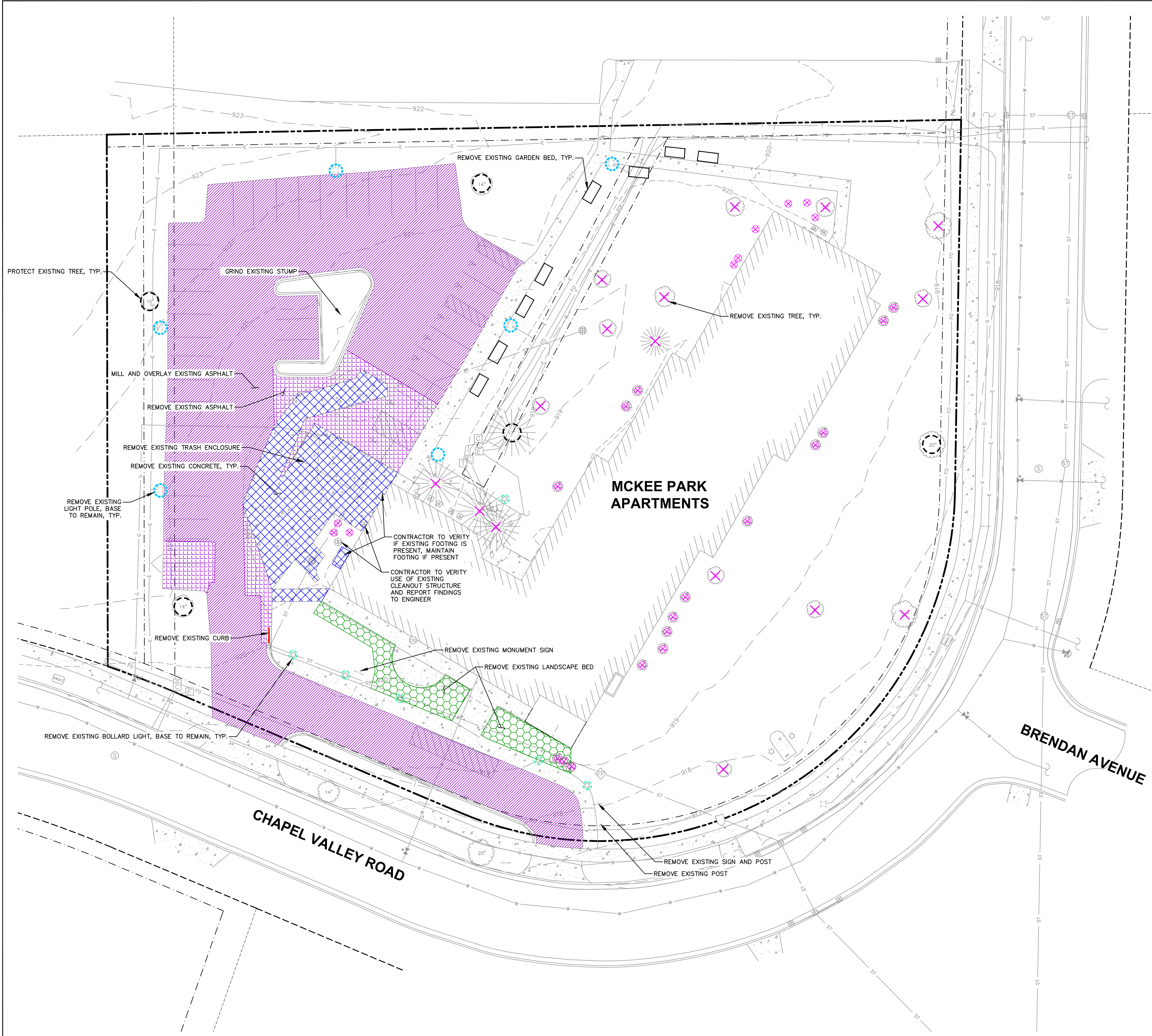
Designed By: **MAS**
Reviewed By: **KJY**
Approved By: **-----**

SHEET TITLE:
**NOTES &
SPECIFICATIONS**

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE **02-12-2025**

SHEET NUMBER:
C1.0

JSD PROJECT NO: 24-14924



File: \USDR\Projects\2024\2414924\DWG\Civil_Sheets\2414924_Corridor.dwg Layout: C2.0 - Demolition Plan User: mlt\saunders Plotter: Feb 13, 2025 - 5:25pm Xref's



CREATE THE VISION TELL THE STORY

jsdinc.com

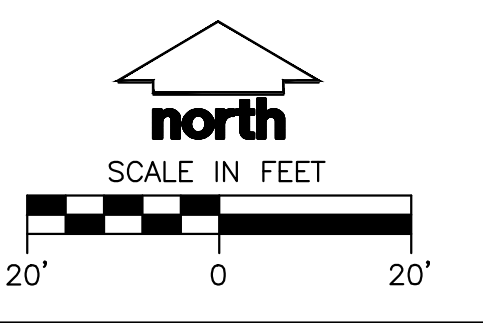
MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
ILLUMINUS

CLIENT ADDRESS:
**2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711**

PROJECT:
**MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS**

PROJECT LOCATION:
**2931 CHAPEL VALLEY ROAD
FITCHBURG, WI**



PLAN MODIFICATIONS:

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: **MAIS**
Reviewed By: **KJY**
Approved By: _____

SHEET TITLE:
DEMOLITION PLAN

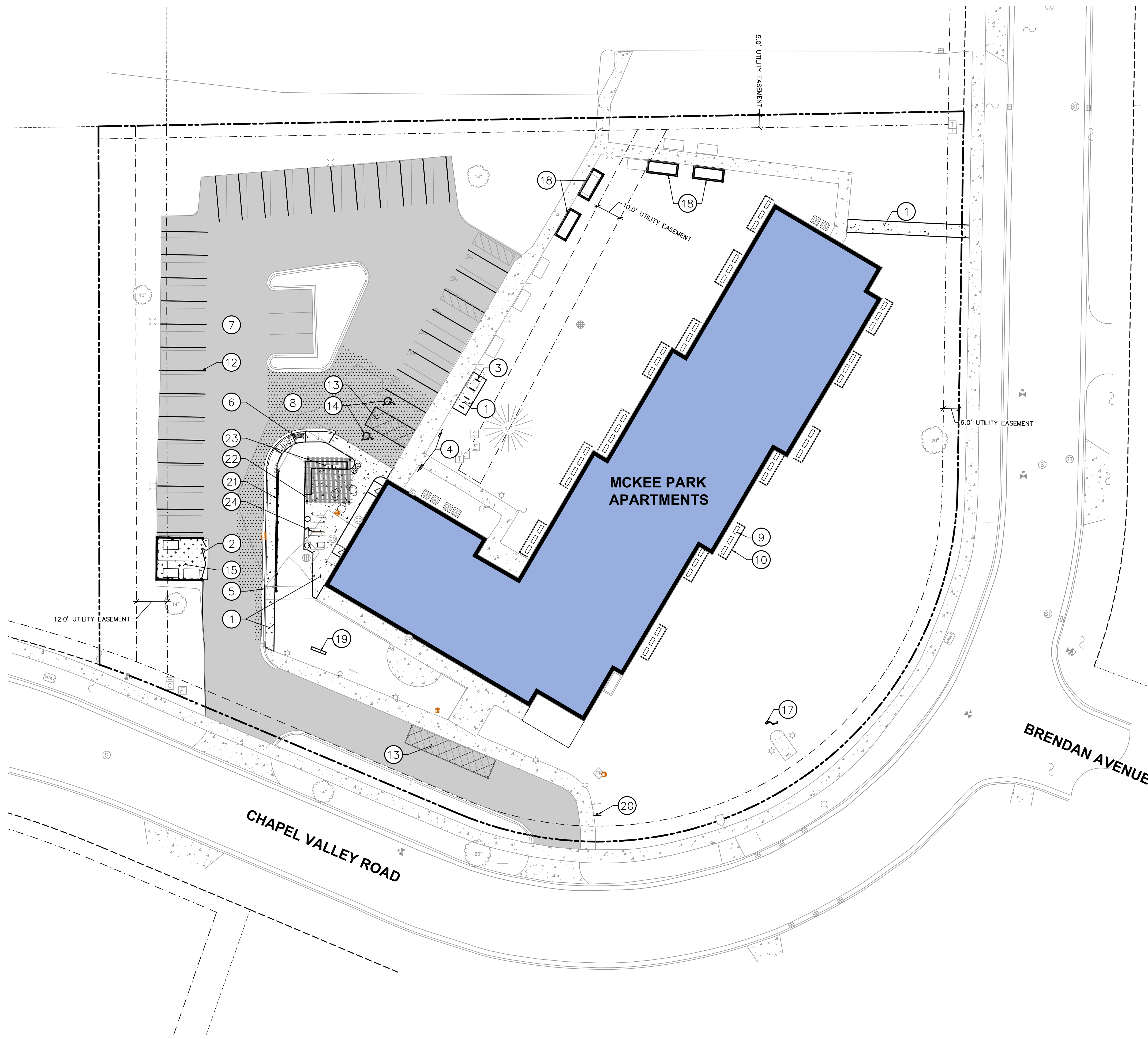
REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE: **02-12-2025**

SHEET NUMBER:
C2.0

JSD PROJECT NO: 24-14924

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: \\JSD\NC\project\2024\2414924\DWG\Civil\Sheets\2414924_C3.0_Site Plan User: matt.saunders Plotter: Feb 17, 2025 - 9:53am Xref:



SITE INFORMATION BLOCK	
NUMBER OF PARKING STALLS	
STANDARD	31
ACCESSIBLE	2
TOTAL	33
NUMBER OF BICYCLE STALLS:	
	8
EXISTING VS. PROPOSED SITE COVERAGE	
LOT AREA	84,008 SF
EXISTING IMPERVIOUS SURFACE AREA	39,057 SF
EXISTING PERVIOUS SURFACE AREA	44,951 SF
EXISTING IMPERVIOUS SURFACE AREA RATIO	0.46
PROPOSED IMPERVIOUS SURFACE AREA	38,937 SF
PROPOSED PERVIOUS SURFACE AREA	45,071 SF
PROPOSED IMPERVIOUS SURFACE AREA RATIO	0.46

NOTES

1. CONCRETE SIDEWALK
2. REINFORCED CONCRETE PAVEMENT
3. BIKE RACK
4. ADA PARKING SIGN
5. 18" CURB AND GUTTER (STANDARD)
6. ADA ACCESSIBLE RAMP & WARNING DETECTOR
7. ASPHALT PAVEMENT - MILL AND OVERLAY 1.5"
8. ASPHALT PAVEMENT - FULL PAVEMENT DEPTH REPLACEMENT. BASE TO REMAIN. PAVEMENT SECTION TO MATCH EXISTING
9. AC UNIT (REFER TO MECHANICAL)
10. AC UNIT SCREEN FENCE - 3' WHITE SIMI-PRIVACY FENCE
11. LIGHT BOLLARD & LIGHT POLE (REFER TO PHOTOMETRIC/ELECTRICAL PLAN FOR SCOPE), TYP.
12. PAVEMENT STRIPING (4" WIDE), TYP
13. ADA STALL PAVEMENT DIAGONAL STRIPING 3' OC, TYP.
14. ADA PARKING SYMBOL
15. TRASH ENCLOSURE (REFER TO ARCHITECTURAL)
16. BOLLARD
17. 20' FLAGPOLE
18. GARDEN BOXES (REFER TO LANDSCAPE)
19. MONUMENT SIGN (REFER TO ARCHITECTURAL)
20. "ONE WAY" AND "NO THRU TRAFFIC" SIGN AND POST
21. 6" HORIZONTAL SLAT CEDAR SCREEN FENCE
22. PERGOLA
23. GRILL STATION
24. FIRE PLACE



CREATE THE VISION TELL THE STORY

jsdinc.com

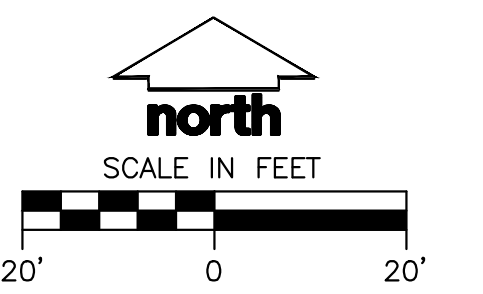
MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
ILLUMINUS

CLIENT ADDRESS:
**2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711**

PROJECT:
**MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS**

PROJECT LOCATION:
**2931 CHAPEL VALLEY ROAD
FITCHBURG, WI**



PLAN MODIFICATIONS:

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

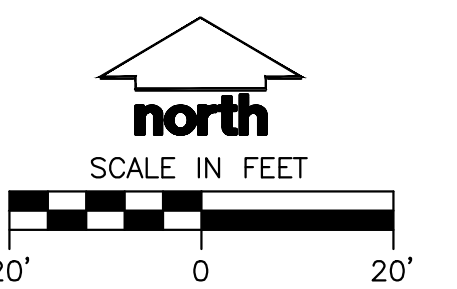
Designed By: **MAIS**
Reviewed By: **KJY**
Approved By: _____

SITE PLAN

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE: **02-12-2025**

SHEET NUMBER:
C3.0

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.



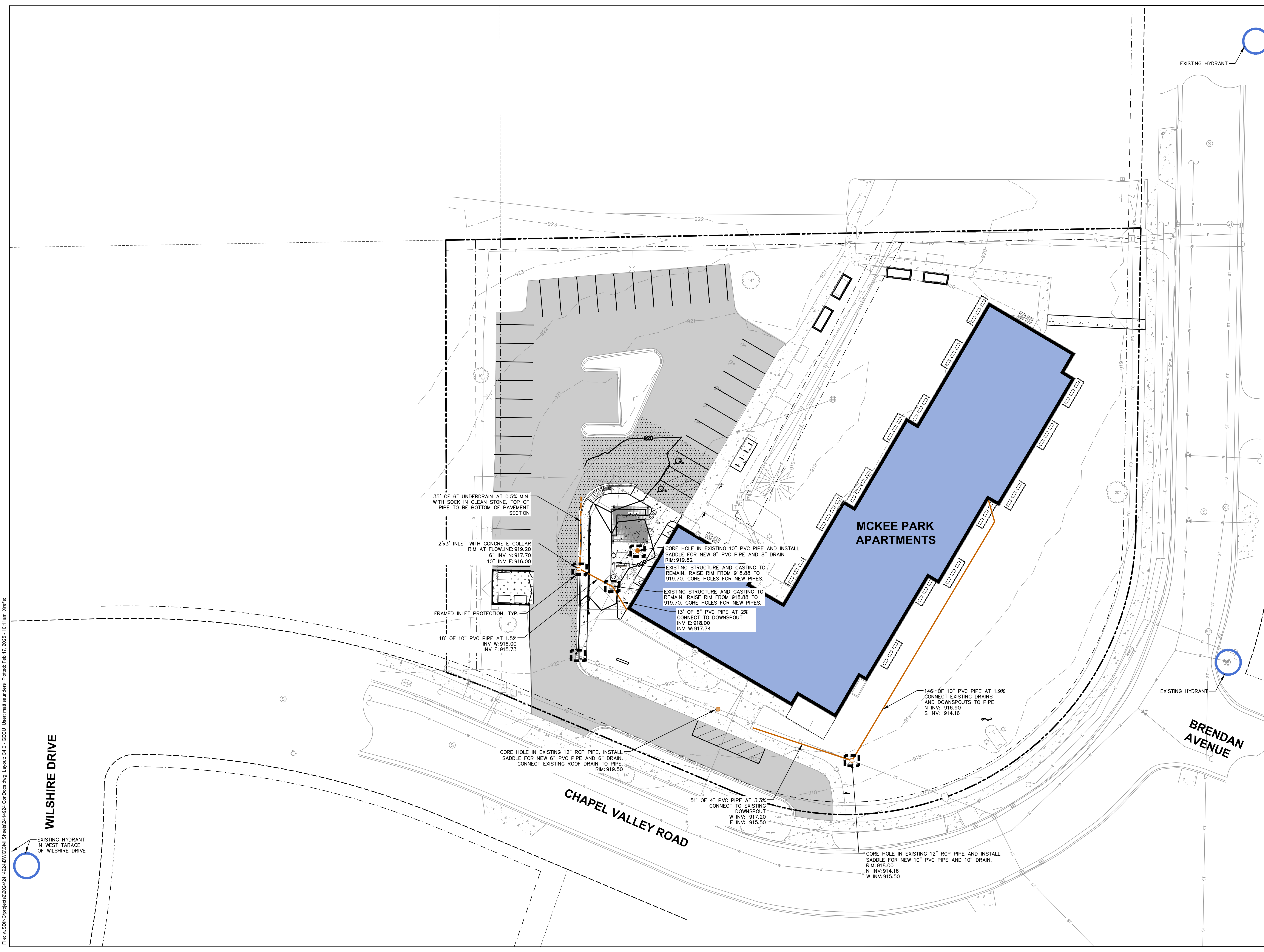
#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: **MAIS**
Reviewed By: **KJY**
Approved By: _____

SHEET TITLE:
**GRADING, EROSION
CONTROL & UTILITY PLAN**

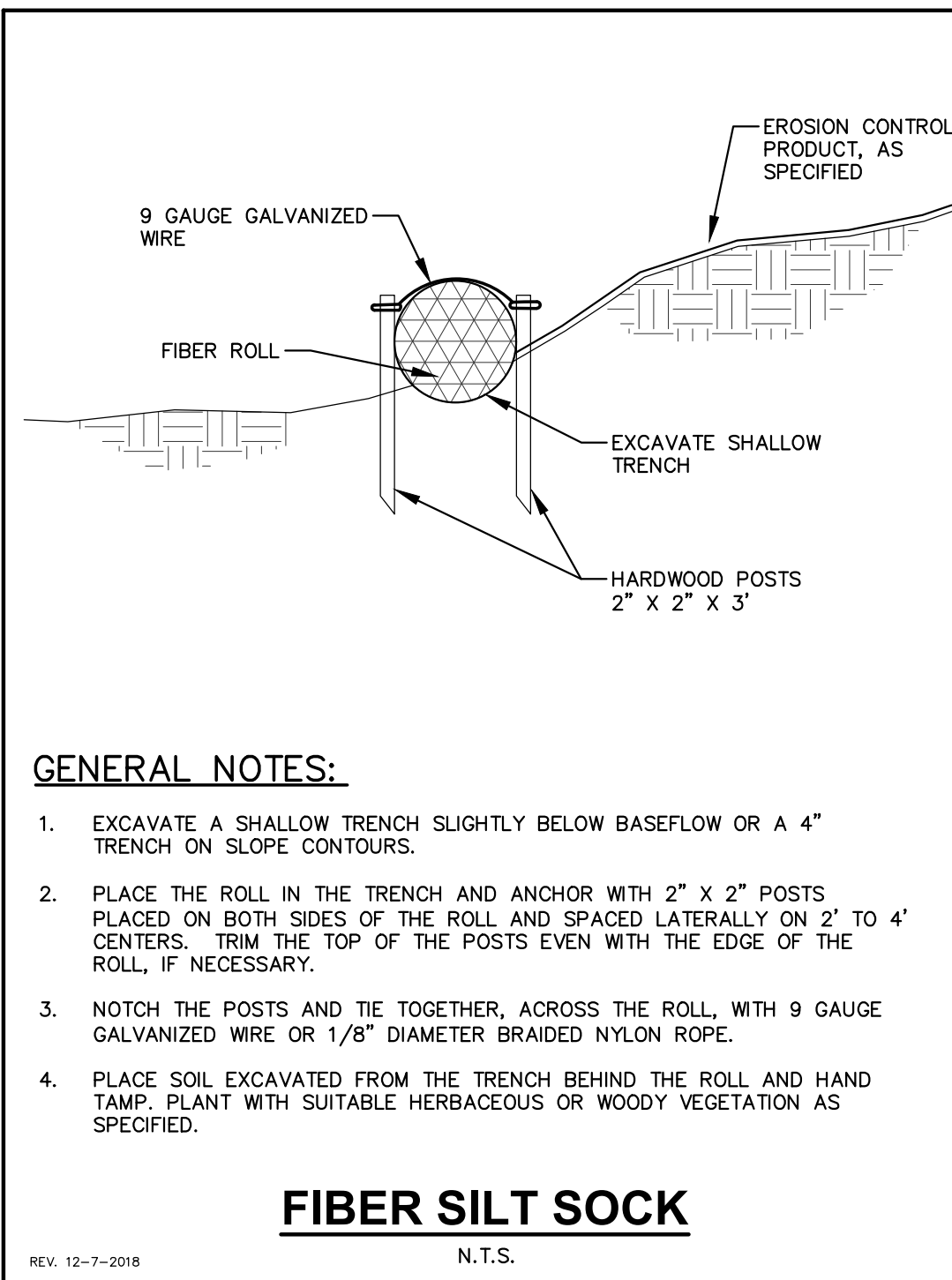
REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE: **02-12-2025**

SHEET NUMBER:
C4.0



File: \\JSD\NCP\projects\2024\2414924\DWG\Civil\Sheets\C4.0\Grading.dwg Layout: C4.0 - GECU User: matt.maunders Plotted: Feb 17, 2025 - 10:11am Xref(s):

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.



GENERAL NOTES:

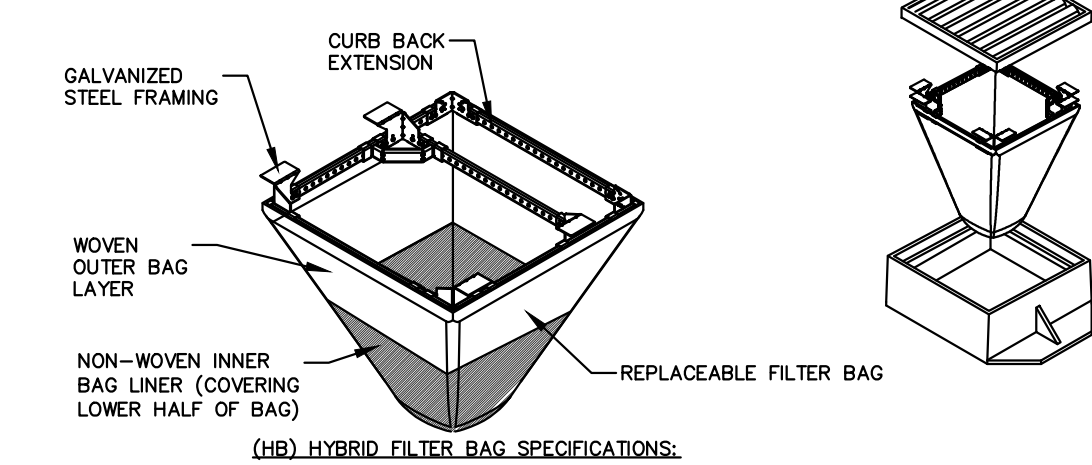
- EXCAVATE A SHALLOW TRENCH SLIGHTLY BELOW BASEFLOW OR A 4" TRENCH ON SLOPE CONTOURS.
- PLACE THE ROLL IN THE TRENCH AND ANCHOR WITH 2" X 2" POSTS PLACED ON BOTH SIDES OF THE ROLL AND SPACED LATERALLY ON 2' TO 4' CENTERS. TRIM THE TOP OF THE POSTS EVEN WITH THE EDGE OF THE ROLL, IF NECESSARY.
- NOTCH THE POSTS AND TIE TOGETHER, ACROSS THE ROLL, WITH 9 GAUGE GALVANIZED WIRE OR 1/8" DIAMETER BRAIDED NYLON ROPE.
- 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



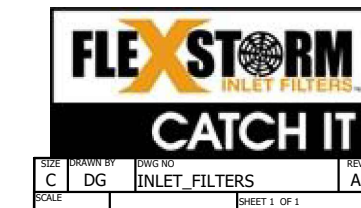
CATCH-IT INLET FILTER (Temporary Inlet Protection)							
Manufacturer Casting	Inlet Type	Grate Size	Opening Size	Bag Cap (ft²)	Flow Ratings (CFS)	ADS PIN	
					HB (Hybrid Bag)	Bypass	
3067	Curb Box	35.25 x 17.75	33.0 x 15.0	4.4	2.0	5.8	62LCBEXTHB
3246A	Curb Box	35.75 x 23.875	33.5 x 21.0	4.2	1.1	3.3	62LCBEXTHB
3000	Square (Flat) (SD)	23 x 18	20.5 x 13.5	1.8	0.7	2.2	62MCR2319HBB
3067-C	Square (Flat) (SD)	35.25 x 17.75	33 x 15	3.2	1.0	5.2	62LSQ3818HBB
R-2501	Round (RD)	-26	-24	2.3	0.8	5.2	62MRD26HBB
R-1722560	Round (RD)	22.25 x 23.5	20.5 x 21	1.5	0.6	4.6	62MRD22HBB

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

- MAINTENANCE GUIDELINES:**
- EMPTY THE SEDIMENT BAG IF MORE THAN HALF FILLED WITH SEDIMENT AND DEBRIS
 - REMOVE THE GRATE, ENGAGE THE LIFTING POINTS, AND LIFT FILTER FROM THE DRAINAGE STRUCTURE.
 - 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

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

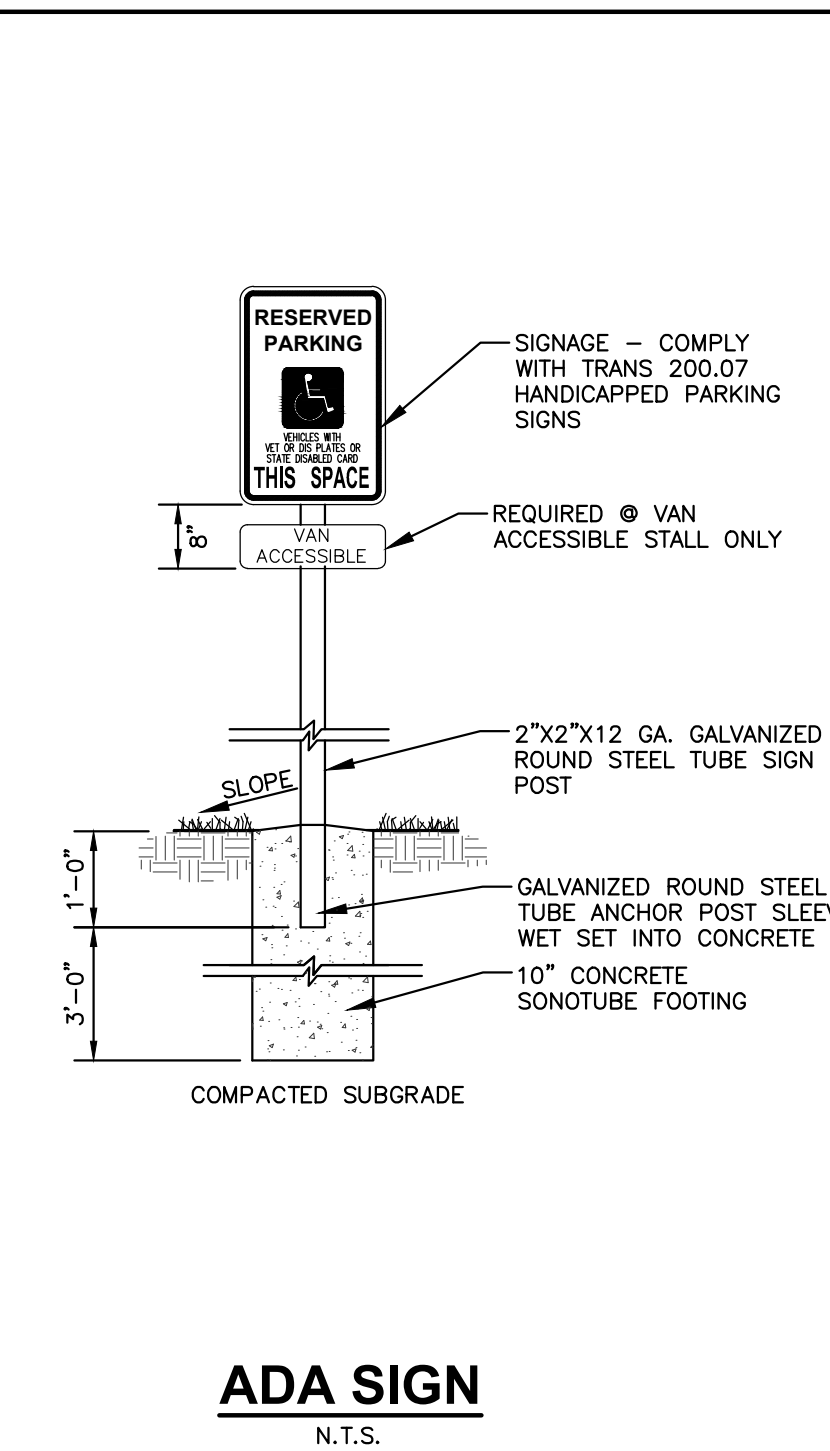
PROPERTY	TEST METHOD	WOVEN (OUTER)	NON-WOVEN (INNER)
TENSILE STRENGTH	ASTM D4832	360 x 225 lb	300 lb
ELONGATION	ASTM D4832	20% x 10%	50%
GR PUNCTURE	ASTM D4841	1000 lb	65 lb
TRAPEZOIDAL TEAR	ASTM D4833	180 x 75 lb	45 lb
UV RESISTANCE	ASTM D4855	90%	70%
OPENING SIZE (ADS)	ASTM D4851	20 US STD SEIVE	40 US STD SEIVE
PERMEABILITY	ASTM D4851	1.5 sec	2.0 sec
WATER FLOW RATE	ASTM D4851	200 gal/min/ft²	145 gal/min/ft²
MINIMUM FILTER BAG VOLUME		2.0 CBIC FT	



FRAMED INLET PROTECTION

N.T.S.

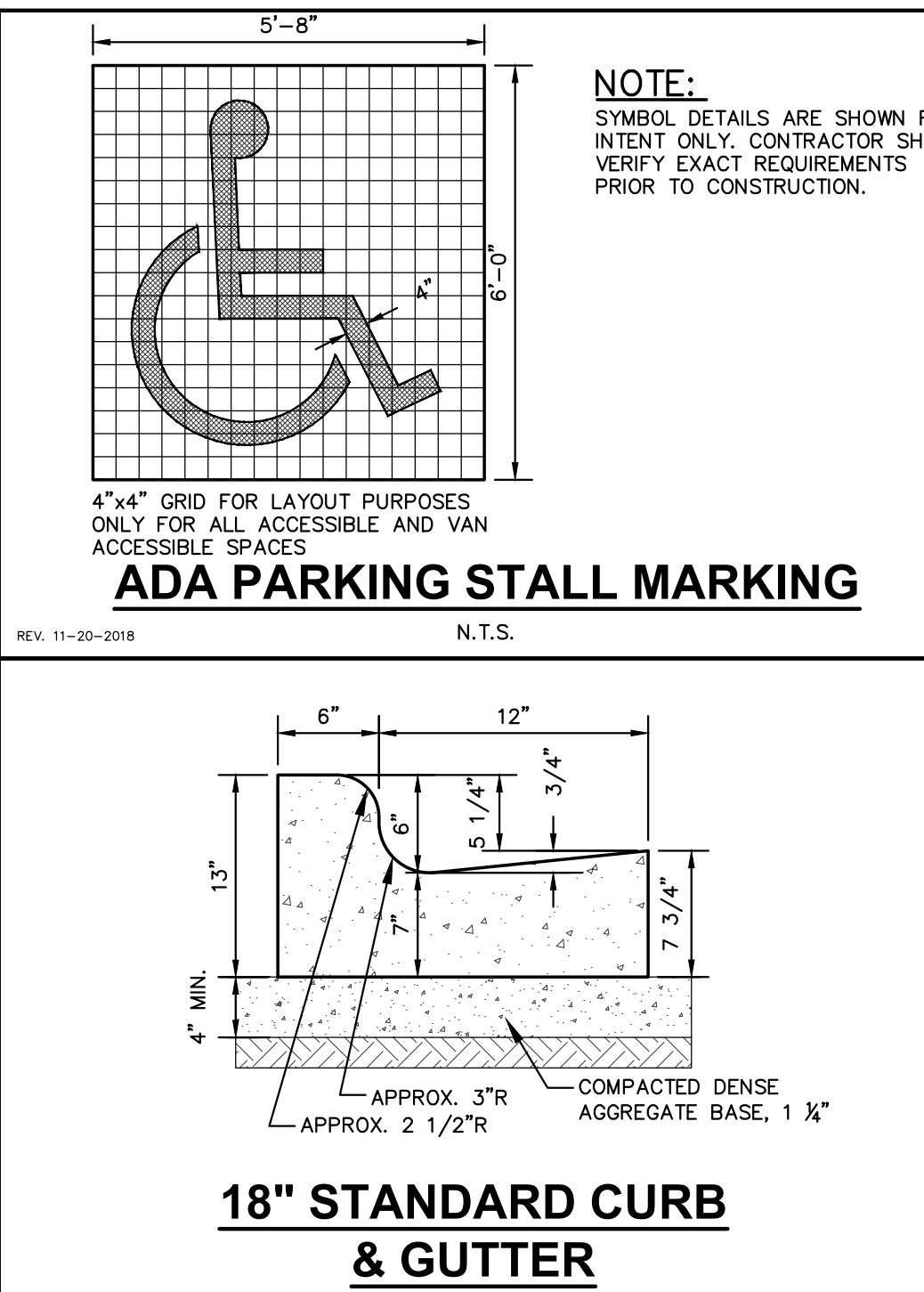
REV. 7-01-2019



ADA SIGN

N.T.S.

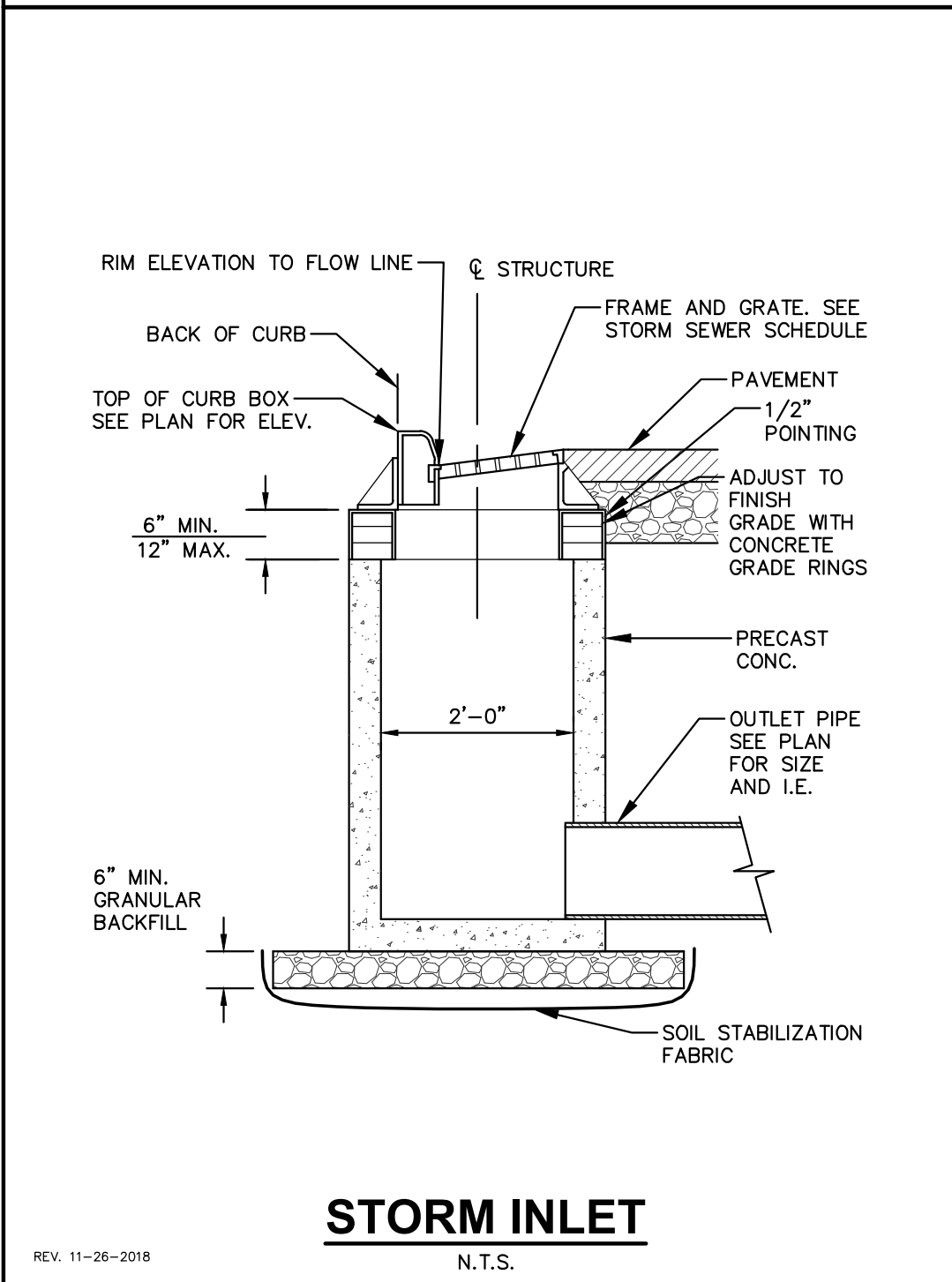
REV. 11-20-2018



18" STANDARD CURB & GUTTER

N.T.S.

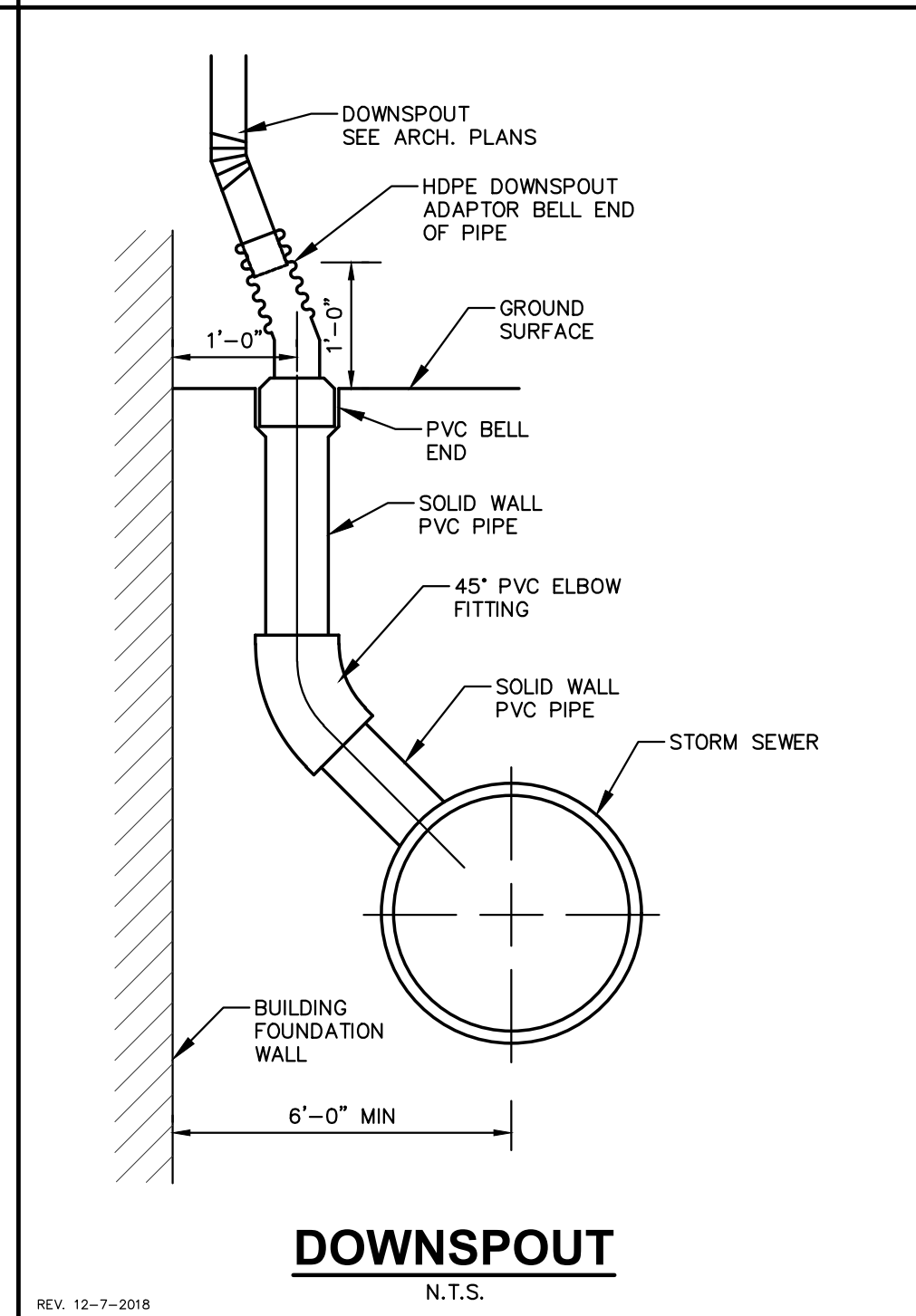
REV. 12-17-2018



STORM INLET

N.T.S.

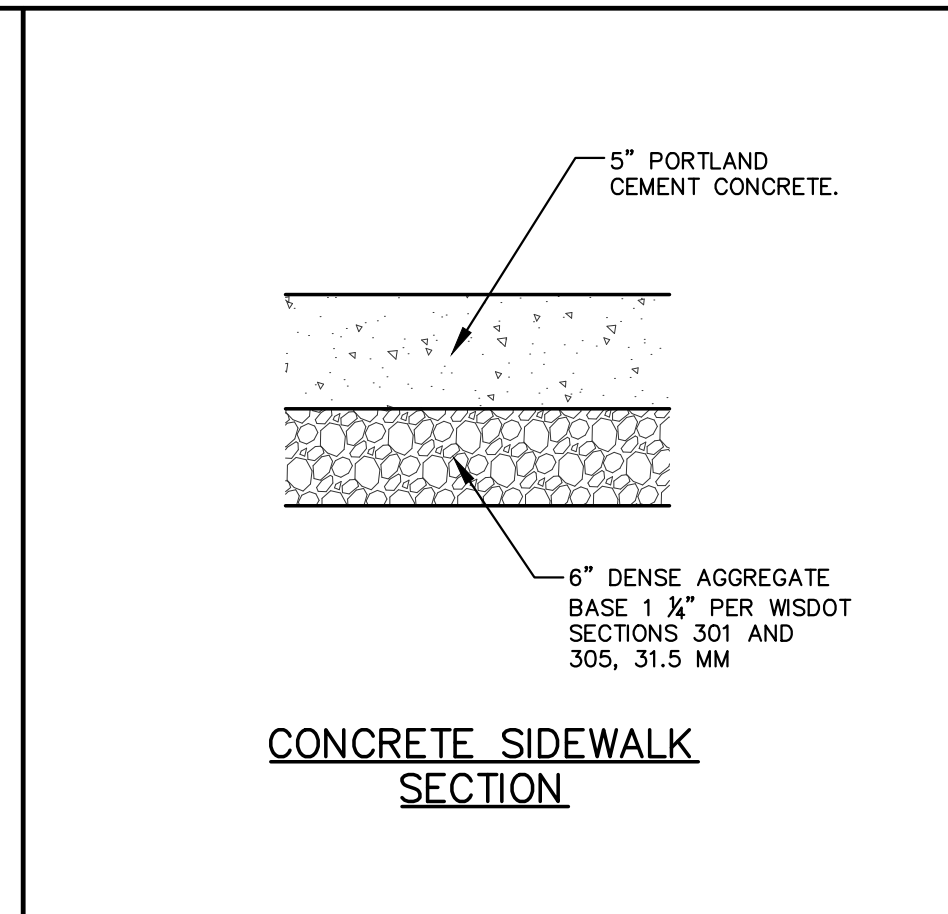
REV. 11-26-2018



DOWNSPOUT

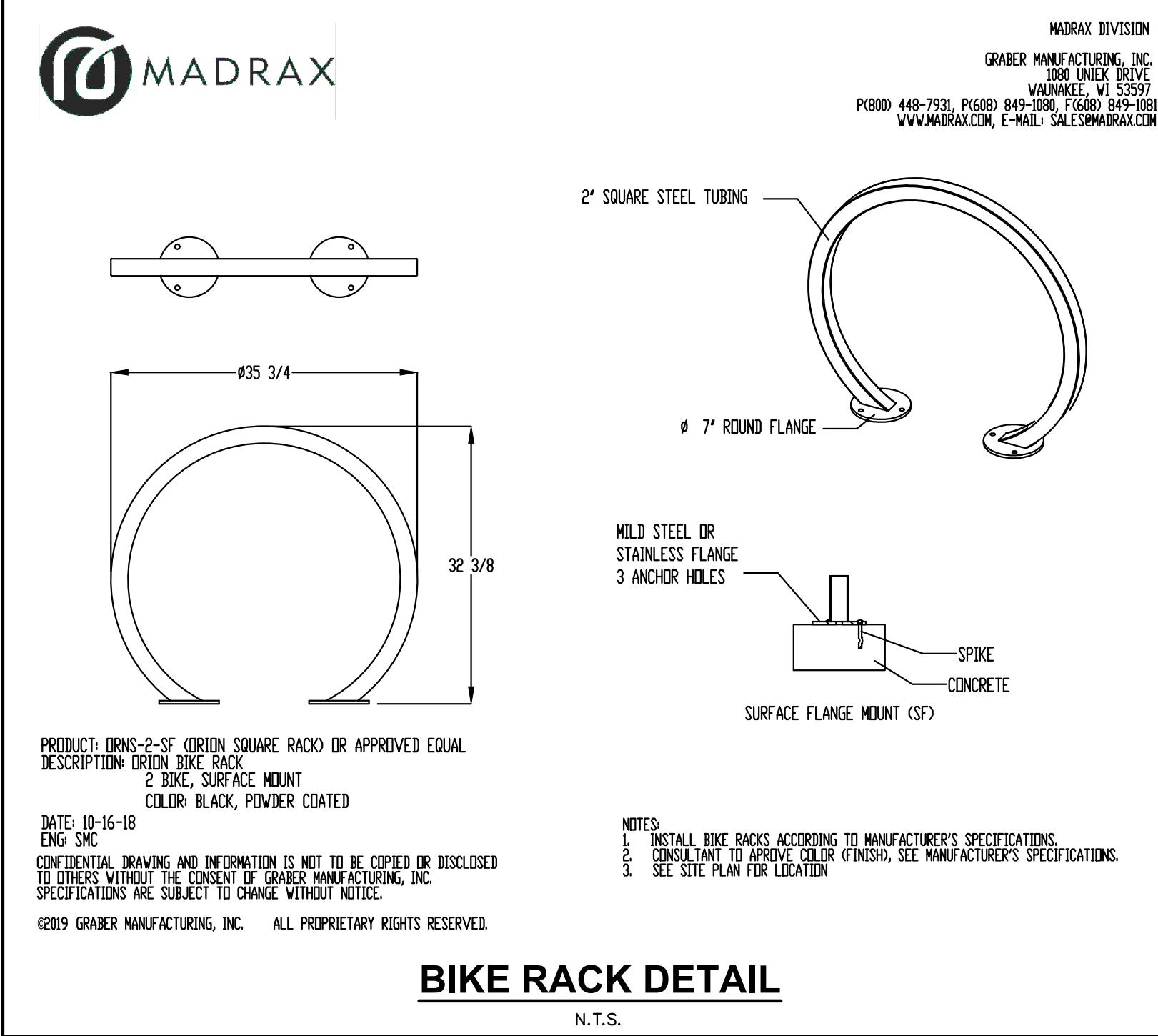
N.T.S.

REV. 12-7-2018



CONCRETE SIDEWALK SECTION

N.T.S.



BIKE RACK DETAIL

N.T.S.



CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:

ILLUMINUS

PROJECT ADDRESS:
2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711

PROJECT:
MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS

PROJECT LOCATION:
2931 CHAPEL VALLEY ROAD
FITCHBURG, WI

PLAN MODIFICATIONS:

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: MAS
Reviewed By: KJY
Approved By: -----

DETAILS

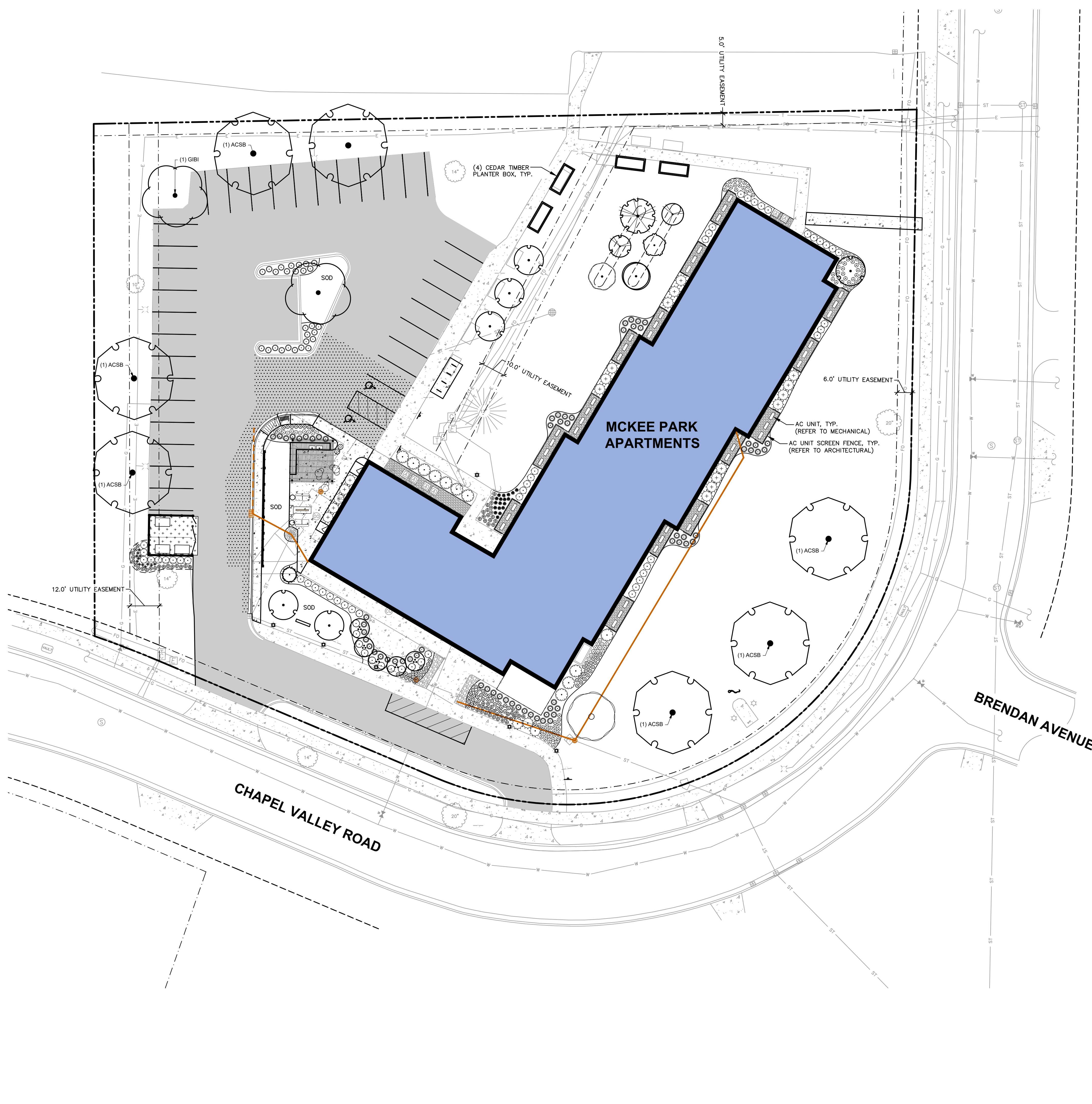
REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 02-12-2025

SHEET NUMBER:

C5.0

JSD PROJECT NO: 24-14924

File: \\hd2\projects\2025\2414924\DWG\Landscapes\Sheets\2414924_Landscape.dwg Layout: L1.0 - Overall Landscape Plan User: hboer Plotdate: Feb 14, 2025 - 11:28am Xrefs: 2414924 Mckee Park Apartments



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.

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	CACA	<i>Carpinus caroliniana</i> American Hornbeam	B & B	6' Ht. (min)	1
	HEMT	<i>Heptacodium miconioides</i> 'SMWHMBF' Temple of Bloom® Seven Son Flower	B & B	8' Ht. (min)	5
	MASA	<i>Malus sargentii</i> 'Select A' Firebird® Sargent Crabapple	B & B	1.5" Cal	6
	MADH	<i>Malus x domestica</i> 'Honeycrisp' Honeycrisp Apple	B & B	1.5" Cal	1
	MADL	<i>Malus x domestica</i> 'Liberty' Liberty Apple	B & B	1.5" Cal	1
	PRAB	<i>Prunus avium</i> 'Bing' Bing Sweet Cherry	B & B	1.5" Cal	1
	PRCM	<i>Prunus cerasus</i> 'Montmorency' Montmorency Cherry	B & B	1.5" Cal	1
	PYCB	<i>Pyrus communis</i> 'Bartlett' Bartlett European Pear	B & B	1.5" Cal	1
	PYCS	<i>Pyrus communis</i> 'Summercrisp' Summercrisp European Pear	B & B	1.5" Cal	1
OVERSTORY DECIDUOUS TREES					
	ACSB	<i>Acer saccharum</i> 'Balista' Fall Fiesta® Sugar Maple	B & B	2.5" Cal	7
	GIBI	<i>Ginkgo biloba</i> 'Autumn Gold'™ Autumn Gold Maidenhair Tree	B & B	2.5" Cal	2
UPRIGHT EVERGREEN SHRUB					
	JUUCHI	<i>Juniperus chinensis</i> 'Iowa' Iowa Juniper	B & B	6' Ht. (min)	1
DECIDUOUS SHRUBS					
	HYPALL	<i>Hydrangea paniculata</i> 'Little Lime' Little Lime Hydrangea	#3	18" Ht. (min)	45
	SPJA	<i>Spiraea japonica</i> 'SMNSJMF'™ Double Play Red Spirea	#3	12" Ht. (min)	12
	VJUJ	<i>Viburnum x juddii</i> Judd Viburnum	B & B	36" Ht. (min)	11
EVERGREEN SHRUBS					
	TAMEE	<i>Taxus x media</i> 'Everlow' Everlow Yew	#5	18" Dia. (min)	3
	TAMEY	<i>Taxus x media</i> 'Tauntonii' Tauntoni's Anglo-Japanese Yew	#5	24" Ht. (min)	19
PERENNIALS & GRASSES					
	ALMT	<i>Alchemilla mollis</i> 'Thriller' Thriller Lady's Mantle	#1	Min. 8"-18"	74
	ASCHW	<i>Astilbe chinensis</i> 'Vision in White' Vision in White Chinese Astilbe	#1	Min. 8"-18"	12
	CAAC	<i>Calamagrostis x acutiflora</i> 'Kari Foerster' Kari Foerster Feather Reed Grass	#1	Min. 8"-18"	67
	CANE	<i>Calamintha nepeta</i> 'Montrose White' Montrose White Catmint	#1	Min. 8"-18"	77
	HEGE	<i>Heuchera x 'Grape Expectations'</i> Grape Expectations Coral Bells	#1	Min. 8"-18"	63
	HOHA	<i>Haloa x 'Haloayan'</i> Haloayan Plantain Lily	#1	Min. 8"-18"	18
	PAVI	<i>Panicum virgatum</i> 'Shenandoah' Shenandoah Switch Grass	#1	Min. 8"-18"	27
	RFSG	<i>Rudbeckia fulgida sultivantii</i> 'Goldsturm' Goldsturm Coneflower	#1	Min. 8"-18"	23

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- FLAG POLE
- BIKE RACK
- ALUMINUM EDGING
- SHOVEL CUT EDGING
- DECORATIVE STONE MULCH #1
- DECORATIVE STONE MULCH #2



CREATE THE VISION TELL THE STORY

jsdinc.com

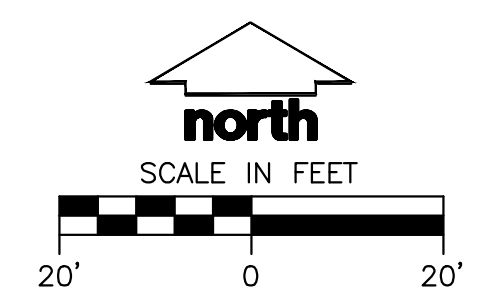
MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
ILLUMINUS

CLIENT ADDRESS:
2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711

PROJECT:
MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS

PROJECT LOCATION:
2931 CHAPEL VALLEY ROAD
FITCHBURG, WI



PLAN MODIFICATIONS:

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: HMB
Reviewed By: KJY
Approved By: _____
SHEET TITLE:

LANDSCAPE PLAN

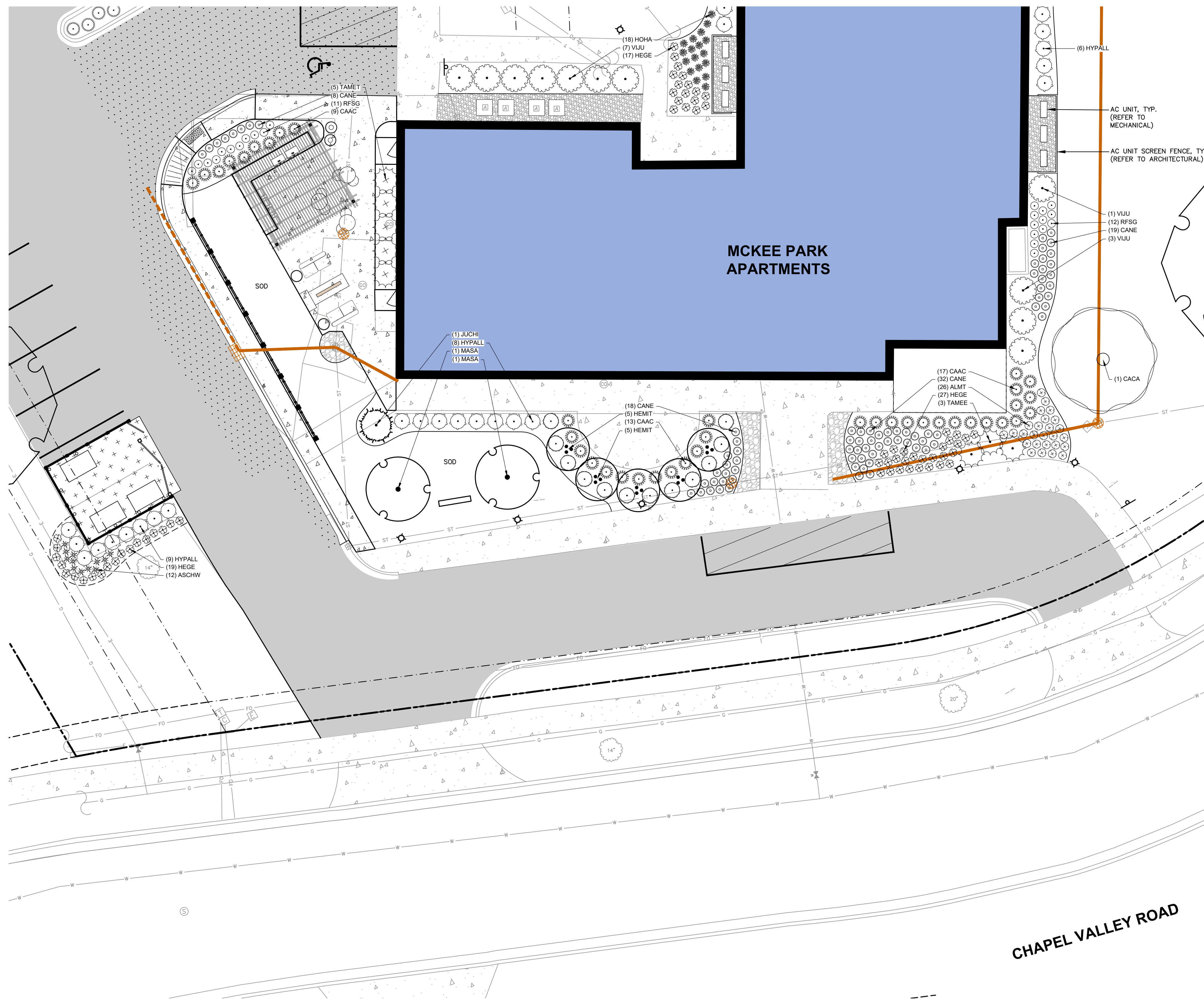
REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE 02-12-2025

SHEET NUMBER:
L1.0

JSD PROJECT NO: 24-14924

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: \\hd2\projects\2024\241492\DWG\Landscapes\Sheets\241492.L1 - Detailed Landscape Plan User: hbor Plotter: Feb 14, 2025 - 11:41 am Xref: 241492.Mckee Park Apartments



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
ORNAMENTAL TREES					
	CACA	<i>Carpinus caroliniana</i> American Hornbeam	B & B	6' Ht. (min)	1
	HEMIT	<i>Heptacodium miconioides</i> 'SMNHMF' Temple of Bloom® Seven Son Flower	B & B	8' Ht. (min)	5
	MASA	<i>Malus sargentii</i> 'Select A' Firebird® Sargent Crabapple	B & B	1.5" Cal	6
	MADH	<i>Malus x domestica</i> 'Honeycrisp' Honeycrisp Apple	B & B	1.5" Cal	1
	MADL	<i>Malus x domestica</i> 'Liberty' Liberty Apple	B & B	1.5" Cal	1
	PRAB	<i>Prunus avium</i> 'Bing' Bing Sweet Cherry	B & B	1.5" Cal	1
	PRCM	<i>Prunus cerasus</i> 'Montmorency' Montmorency Cherry	B & B	1.5" Cal	1
	PYCB	<i>Pyrus communis</i> 'Bartlett' Bartlett European Pear	B & B	1.5" Cal	1
	PYCS	<i>Pyrus communis</i> 'Summercrisp' Summercrisp European Pear	B & B	1.5" Cal	1
OVERSTORY DECIDUOUS TREES					
	ACSB	<i>Acer saccharum</i> 'Balista' Fall Fresto® Sugar Maple	B & B	2.5" Cal	7
	GIBI	<i>Ginkgo biloba</i> 'Autumn Gold'™ Autumn Gold Maidenhair Tree	B & B	2.5" Cal	2
UPRIGHT EVERGREEN SHRUB					
	JUCHI	<i>Juniperus chinensis</i> 'Iowa' Iowa Juniper	B & B	6' Ht. (min)	1
DECIDUOUS SHRUBS					
	HYPALL	<i>Hydrangea paniculata</i> 'Little Lime' Little Lime Hydrangea	#3	18" Ht. (min)	45
	SPJA	<i>Spiraea japonica</i> 'SMNSJMFR'™ Double Play Red Spirea	#3	12" Ht. (min)	12
	VUJU	<i>Viburnum x juddii</i> Judd Viburnum	B & B	36" Ht. (min)	11
EVERGREEN SHRUBS					
	TAMEE	<i>Taxus x media</i> 'Everlow' Everlow Yew	#5	18" Dia. (min)	3
	TAMET	<i>Taxus x media</i> 'Tauntonii' Taunton's Anglo-Japanese Yew	#5	24" Ht. (min)	19
PERENNIALS & GRASSES					
	ALMT	<i>Alchemilla mollis</i> 'Thriller' Thriller Lady's Mantle	#1	Min. 8"-18"	74
	ASCHW	<i>Astibe chinensis</i> 'Vision in White' Vision in White Chinese Astibe	#1	Min. 8"-18"	12
	CAAC	<i>Calamagrostis x acutiflora</i> 'Karl Foerster' Karl Foerster Feather Reed Grass	#1	Min. 8"-18"	67
	CANE	<i>Calamintha nepeta</i> 'Montrose White' Montrose White Catmint	#1	Min. 8"-18"	77
	HEGE	<i>Heuchera x 'Grape Expectations'</i> Grape Expectations Coral Bells	#1	Min. 8"-18"	63
	HOHA	<i>Hestia x 'Halcyon'</i> Halcyon Plantain Lily	#1	Min. 8"-18"	18
	PAVI	<i>Panicum virgatum</i> 'Shenandoah' Shenandoah Switch Grass	#1	Min. 8"-18"	27
	RFSG	<i>Rudbeckia fulgida sullivantii</i> 'Goldsturm' Goldsturm Coneflower	#1	Min. 8"-18"	23

LEGEND

- PROPERTY LINE
- RIGHT-OF-WAY
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG
- EDGE OF PAVEMENT
- STANDARD CURB AND GUTTER
- ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- FENCE
- LIGHT POLE (REFER TO PHOTOMETRIC PLAN)
- ADA PARKING SIGN
- FLAG POLE
- BIKE RACK
- ALUMINUM EDGING
- SHOVEL CUT EDGING
- DECORATIVE STONE MULCH #1
- DECORATIVE STONE MULCH #2



CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

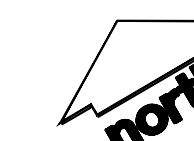
CLIENT:

ILLUMINUS

CLIENT ADDRESS:
2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711

PROJECT:
MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS

PROJECT LOCATION:
2931 CHAPEL VALLEY ROAD
FITCHBURG, WI



SCALE IN FEET



PLAN MODIFICATIONS:

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: **HMB**
Reviewed By: **KJY**
Approved By: _____

SHEET TITLE:
**DETAILED LANDSCAPE
PLAN**

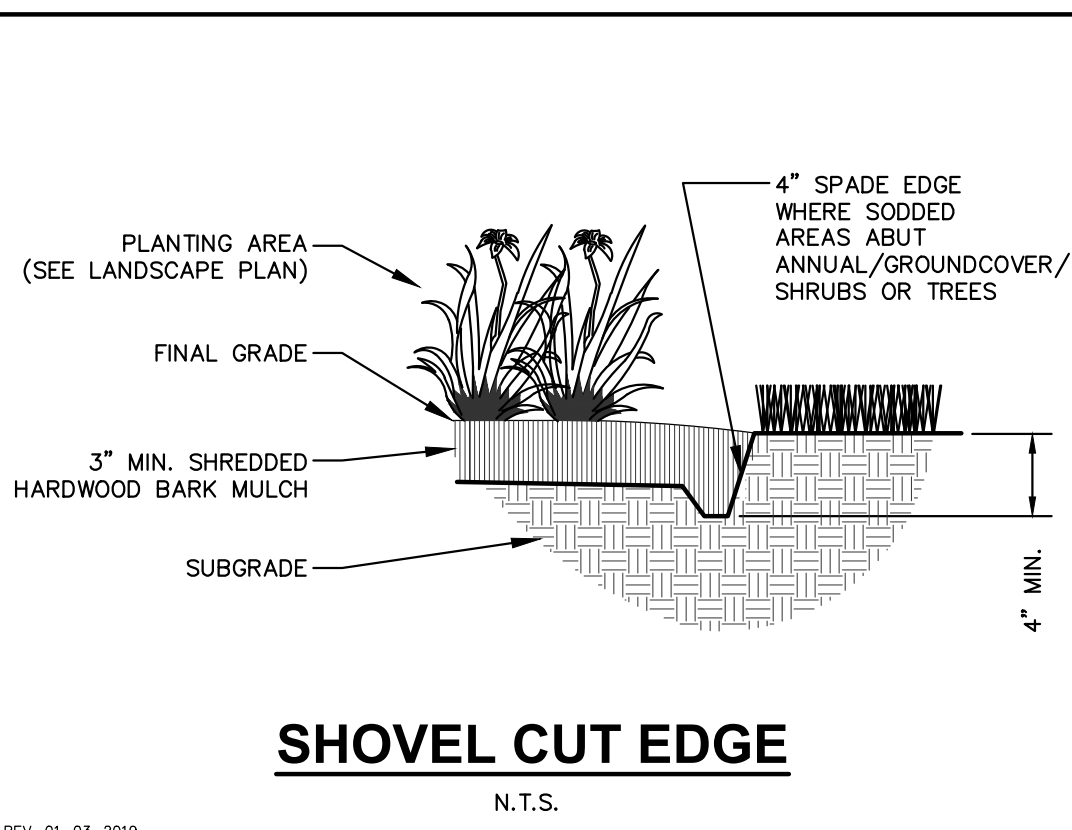
REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE: 02-12-2025

SHEET NUMBER:

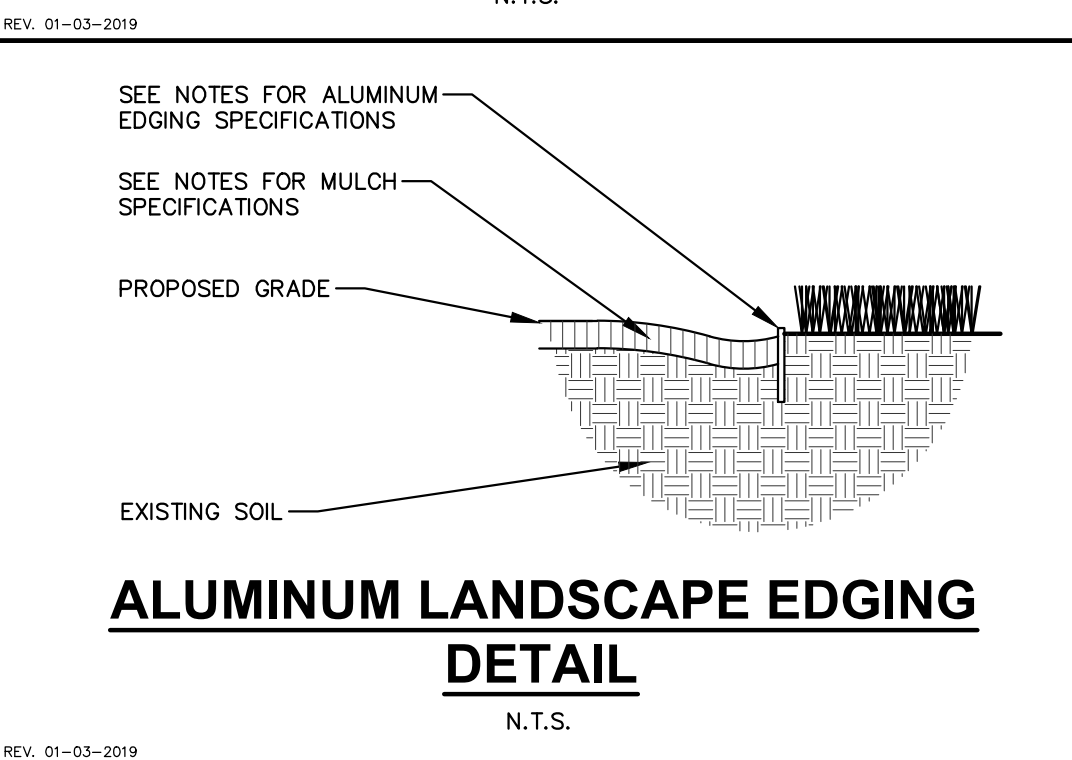
L1.1

JSD PROJECT NO: 24-14924

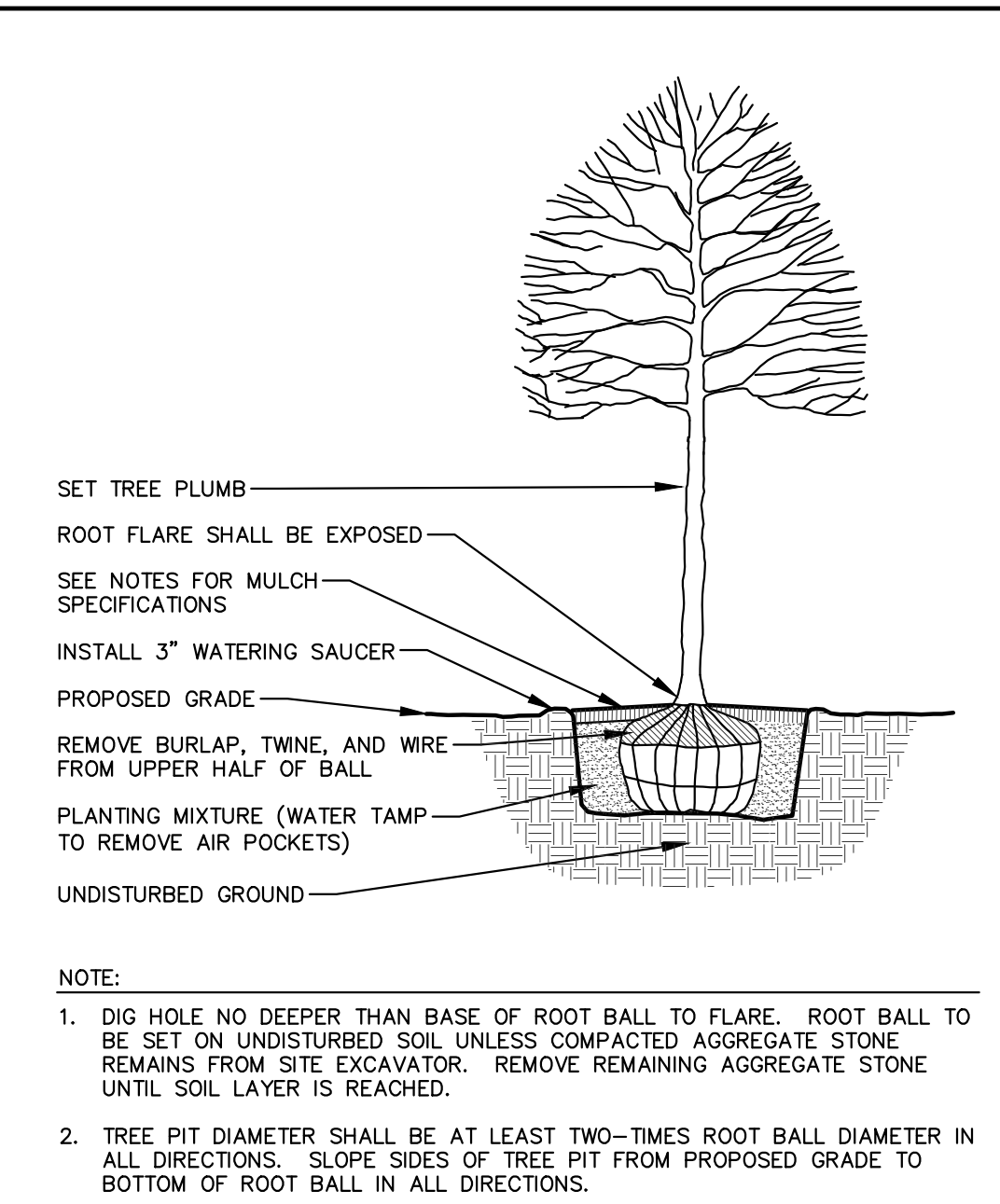
THESE PLANS AND DESIGNS ARE COPYRIGHT PROTECTED AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF JSD PROFESSIONAL SERVICES, INC.



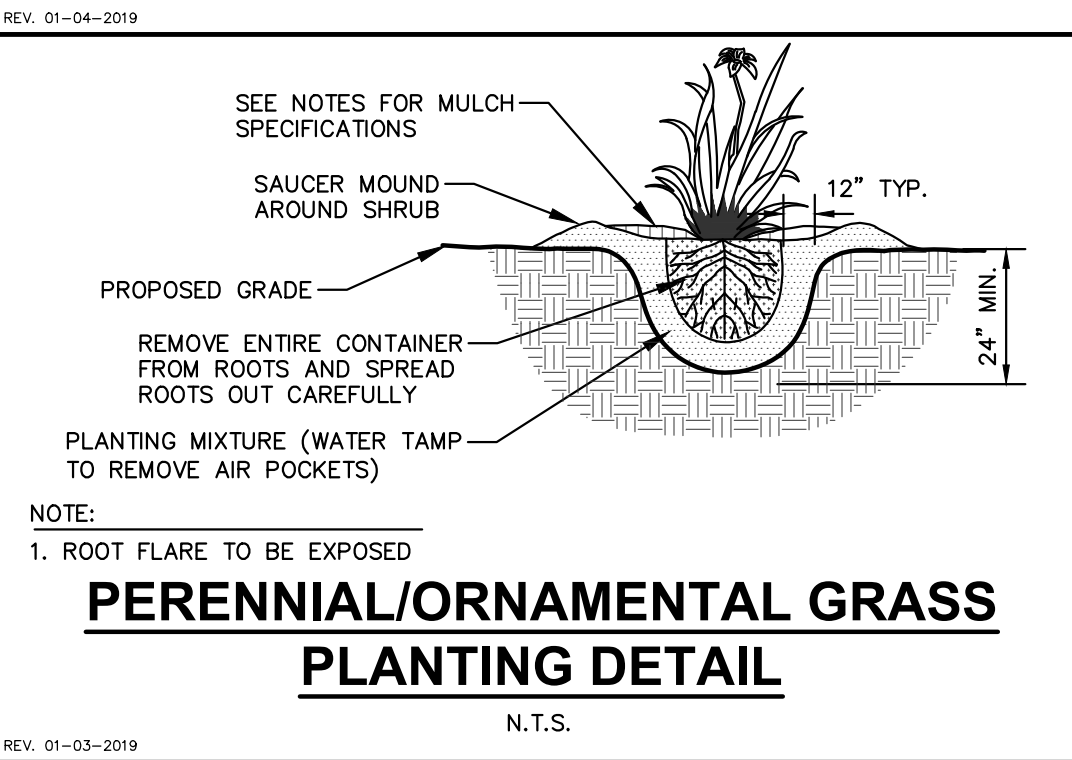
SHOVEL CUT EDGE
N.T.S.



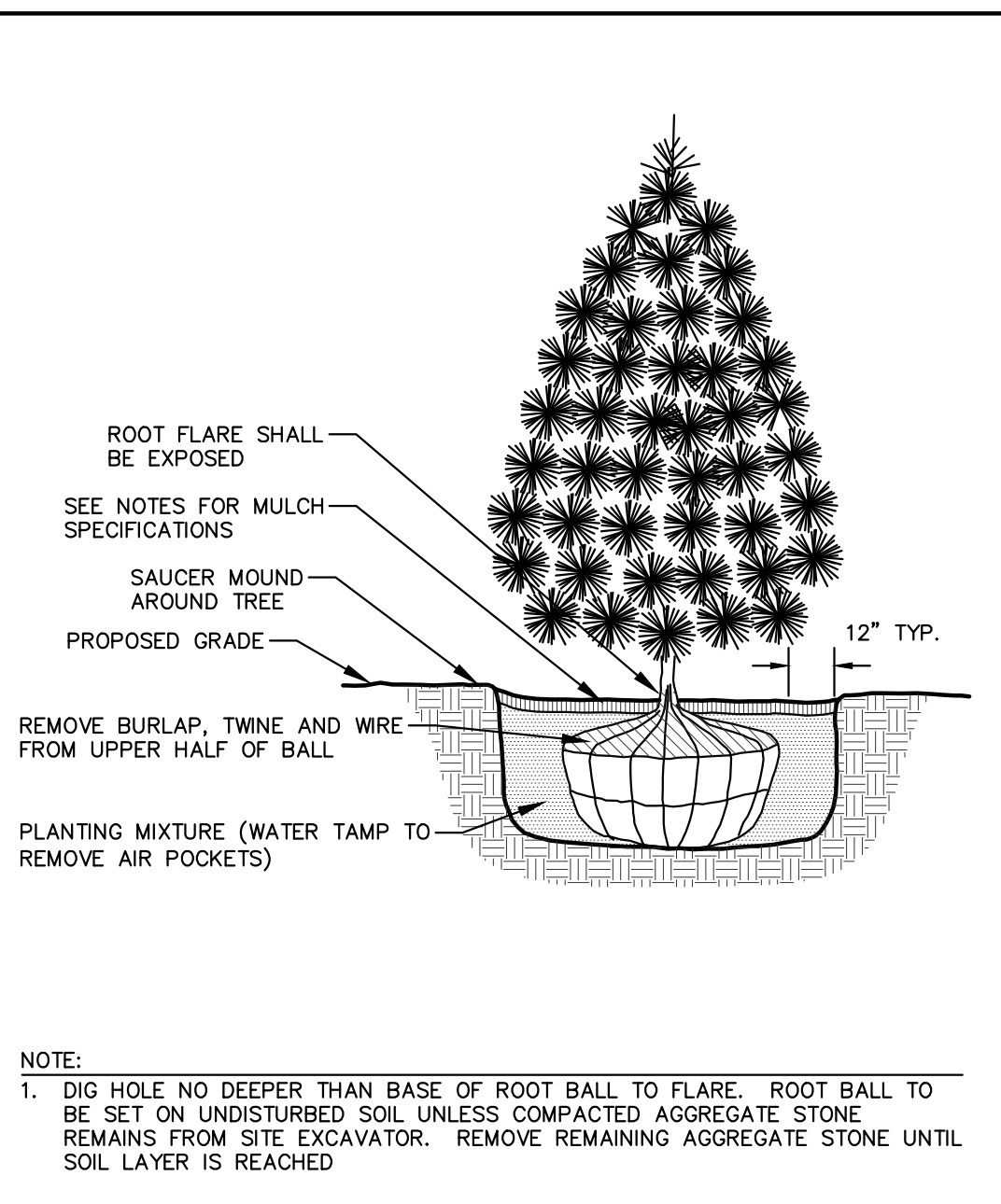
ALUMINUM LANDSCAPE EDGING DETAIL
N.T.S.



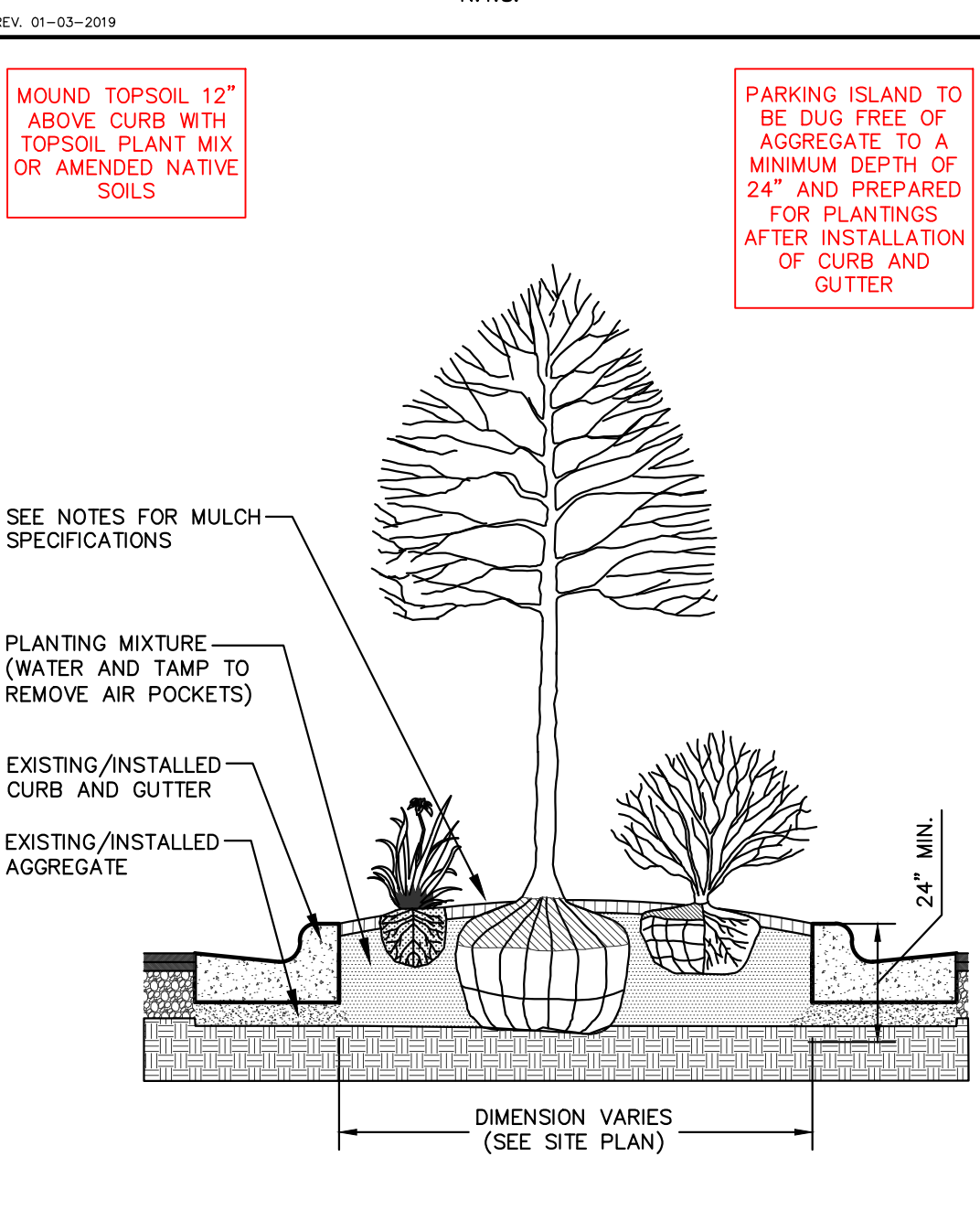
DECIDUOUS TREE PLANTING DETAIL
N.T.S.



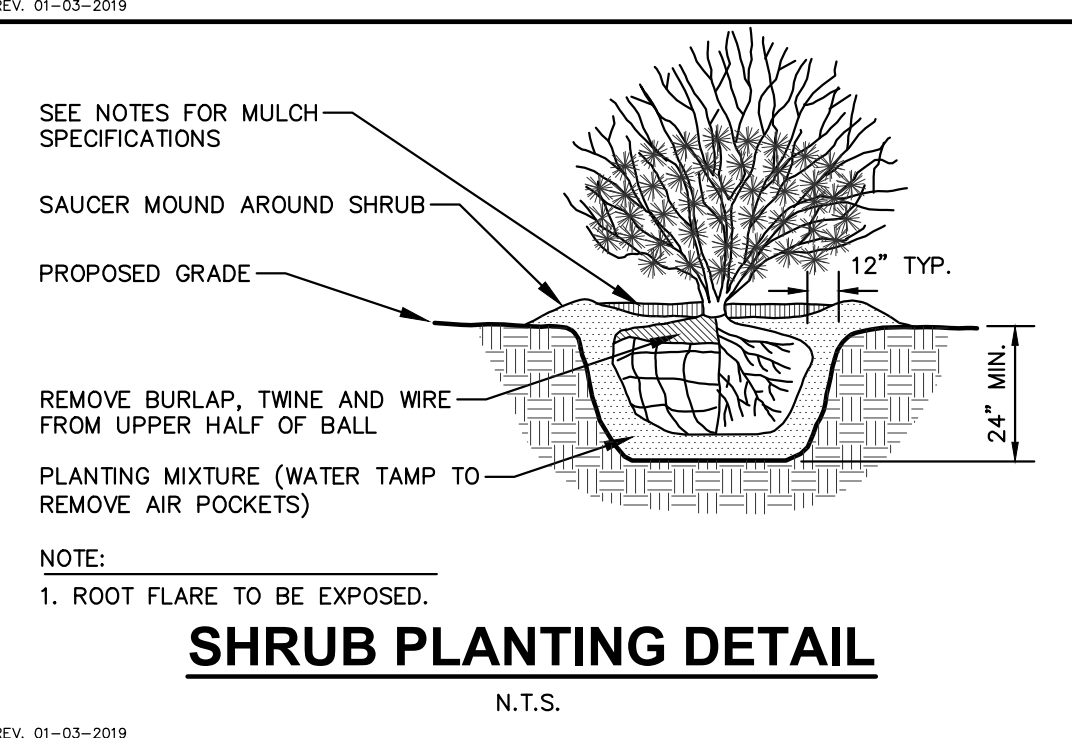
PERENNIAL/ORNAMENTAL GRASS PLANTING DETAIL
N.T.S.



EVERGREEN TREE PLANTING DETAIL
N.T.S.



PARKING ISLAND LANDSCAPE DETAIL
N.T.S.



SHRUB PLANTING DETAIL
N.T.S.

GENERAL NOTES

- 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. PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- 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. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. 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 BALLEED 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.
- 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.
- 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.
- 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.
- ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

- 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.
- MATERIALS - TOPSOIL: TOPSOIL TO BE CLEAN, FRIBBLE 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. CONTRACTOR TO 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.
- 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.
- MATERIALS - STONE MULCH #1: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE 3-6" AMERICAN HERITAGE DECORATIVE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 6-INCHES. 3-6" AMERICAN HERITAGE DECORATIVE STONE MULCH SHALL BE SOURCED FROM MIDWEST DECORATIVE STONE & LANDSCAPE SUPPLY AT 6149 MCKEE RD, FITCHBURG, WI OR APPROVED EQUAL 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.
- MATERIALS - STONE MULCH #2: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE 1 1/2" AMERICAN HERITAGE DECORATIVE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. 1 1/2" AMERICAN HERITAGE DECORATIVE STONE MULCH SHALL BE SOURCED FROM MIDWEST DECORATIVE STONE & LANDSCAPE SUPPLY AT 6149 MCKEE RD, FITCHBURG, WI OR APPROVED EQUAL 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.
- 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.
- 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.

SEEDING, SODDING, & POND VEGETATION NOTES

- MATERIALS - TURFGRASS SEED: UNLESS LABELED OTHERWISE, DISTURBED LAWN AREAS SHALL RECEIVE 8" OF TOPSOIL AND EARTH CARPET'S MADISON PARKS' GRASS SEED, OR EQUIVALENT AS APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. MANUFACTURER'S RECOMMENDATION 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.
- MATERIALS - SOD: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 6" OF TOPSOIL AND A PREMIUM GRADE TURFGRASS SOD. ONLY IMPROVED TYPES OF SOD (ELITE) ARE ACCEPTABLE. TURFGRASS SHALL BE MACHINE CUT AT A UNIFORM THICKNESS OF .60 INCH, PLUS OR MINUS .25 INCH, AT TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH. LARGE ROLL TURFGRASS SOD SHALL BE CUT TO THE SUPPLIER'S STANDARD WIDTH (36-48 INCHES) AND LENGTH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE. STANDARD SIZE SECTIONS OF TURFGRASS SOD SHALL BE STRONG ENOUGH SO THAT THEY CAN BE PICKED UP AND HANDLED WITHOUT DAMAGE. TURFGRASS SOD SHOULD NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT IS EXCESSIVELY DRY OR WET, AS THIS MAY ADVERSELY AFFECT ITS SURVIVAL. POST-PLANT IRRIGATION WILL BE NECESSARY TO ENSURE SOD STAYS ALIVE AND ROOTS INTO SOIL. THE CONTRACTOR IS RESPONSIBLE FOR WATERING SOD UNTIL TIME OF ACCEPTANCE BY THE OWNER. TURFGRASS SOD SHALL BE HARVESTED, DELIVERED, AND INSTALLED/TRANSPLANTED WITHIN A PERIOD OF 24 HOURS. TURFGRASS SOD SHALL BE RELATIVELY FREE OF THATCH, UP TO 0.5 INCH ALLOWABLE (UNCOMPRESSED). TURFGRASS SOD SHALL BE REASONABLY FREE (10 WEEDS/100 SQ. FT.) OF DISEASES, NEMATODES AND SOIL-BORNE INSECTS. ALL TURFGRASS SOD SHALL BE FREE OF GRASSY AND BROAD LEAF WEEDS AND WEED SEED. THE SOD SUPPLIER SHALL MAKE RECOMMENDATIONS TO THE CONTRACTOR REGARDING WATERING SCHEDULE. THE WATERING SCHEDULE SHOULD BEGIN IMMEDIATELY AFTER SOD IS INSTALLED.
- MATERIALS - PRAIRIE SEED MIX: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDED WITH "DIVERSE PRAIRIE FOR MEDIUM SOILS" SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53984, TEL. 608-296-3679 (OR APPROVED EQUIVALENT). INSTALL SEED WITH SUBSEQUENT MANUFACTURER'S 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 MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

CONTRACTOR AND OWNER RESPONSIBILITY NOTES

- 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. RESTORATION 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.
- 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.
- 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.
- 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.

IRRIGATION (SEE SPECS):

BASE BID - DRIP IRRIGATION PROVIDED IN ALL PLANT BED AREAS SURROUNDING BUILDING

ALTERNATE BID - POP-UP IRRIGATION FOR ALL PERIMETER PLANTING BEDS AND TURFGRASS AREAS

LANDSCAPING:

LANDSCAPING TO BE INSTALLED AFTER COMPLETION OF THE BUILDING

INSTALLATION OF LANDSCAPING NOT TO AFFECT OPERATIONS OF THE BUILDING

TREE WATERING PROGRAM:

BASE BID - WATERING OF ALL TREES ON A REGULAR WEEKLY BASIS. CONTRACTOR TO KEEP A LOG OR JOURNAL OF A RECORD OF DATES AND QUANTITIES OF SUPPLEMENTAL WATERING EFFORTS

ALTERNATE BID 1* - INSTALLATION OF ONE (1) WATERING BAG PER TREE. DOCUMENTATION OF WEEKLY WATERING PROGRAM REQUIRED

ALTERNATE BID 2* - INSTALLATION OF TWO (2) AERATION WATERING TUBES PER TREE. DOCUMENTATION OF WEEKLY WATERING PROGRAM REQUIRED

*SEE LANDSCAPE MATERIALS NOTES FOR PRODUCTS



CREATE THE VISION TELL THE STORY

jsdinc.com

MADISON REGIONAL OFFICE
507 WEST VERONA AVENUE, SUITE 500
VERONA, WISCONSIN 53593
P. 608.848.5060

CLIENT:
ILLUMINUS

CLIENT ADDRESS:
**2979 TRIVERTON PIKE DRIVE
FITCHBURG, WISCONSIN 53711**

PROJECT:
**MCKEE PARK
APARTMENTS SITE
IMPROVEMENTS**

PROJECT LOCATION:
**2931 CHAPEL VALLEY ROAD
FITCHBURG, WI**

PLAN MODIFICATIONS:

#	Date	Description
1	02.17.25	ADR SUBMITTAL
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Designed By: **HMB**
Reviewed By: **KJB**
Approved By: _____

LANDSCAPE DETAILS & NOTES

REVIEW DRAWING
NOT TO BE USED FOR CONSTRUCTION
DATE OF ISSUE: **02-12-2025**

SHEET NUMBER:
L2.0

OWNERSHIP OF DOCUMENTS:
 THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE SOLE PROPERTY OF ALLUME ARCHITECTS LLC AND IS NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE EXPRESSED WRITTEN AUTHORIZATION OF ALLUME ARCHITECTS, LLC

REVISIONS:

DATE:	ITEMS REVISED:

DRAWN BY: **RTM**

DATE: **02/14/2025**

PROJECT NUMBER: **202402**

SHEET NUMBER:
E100
 1 OF 2

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	FIXTURE TYPE	LIGHT SOURCE			DRIVER BALLAST		INPUT WATTS	VOLTS	MOUNTING		CEILING TYPE	FIXTURE DEPTH	SPECIFIED FIXTURE		OPTIONS	FINISH	REMARKS
			DESCRIPTION	K	CRI	TYPE	NO.			HEIGHT	MANUFACTURER			MODEL NO.				
OA	POLE-MOUNTED AREA LIGHT	LED	IN UNIT	4000	70+	0-10V	1	45	120	AFG	20'-0" POLE ON EXISTING BASE	(none)	2 1/2"	LITHONIA	DSX0 LED P2 40K 70CRI T3M MVOLT SPA PIR DWHXD	31	WH	1,2
OB	BOLLARD AREA LIGHT	LED	IN UNIT	4000	70+	ST	1	16	120	AFG	ON EXISTING BASE	(none)	8"	LITHONIA	KBR8 LED 12C 350 40K ASY MVOLT PE DWHXD	31	WH	2
OC	EXTERIOR WALLPACK	LED	IN UNIT	4000	80+	0-10V	1	11	120	S	SEE REMARK	(none)	6 1/2"	LITHONIA	ARC1 LED P1 40K MVOLT PE DDBXD	31	BZ	--
OD	POLE-MOUNTED AREA LIGHT	LED	IN UNIT	4000	70+	0-10V	1	33	120	AFG	20'-0" POLE ON EXISTING BASE	(none)	2 1/2"	LITHONIA	DSX0 LED P2 40K 70CRI T5LG MVOLT SPA PIR DWHXD	31	WH	1,2
OE	FLAGPOLE FLOOD LIGHT	LED	IN UNIT	4000	70+	ST	1	21	120	AFG	--	(none)	13 1/2"	LITHONIA	DSXF1 LED P1 40K NSP MVOLT *** PE DWHXD	31	WH	--

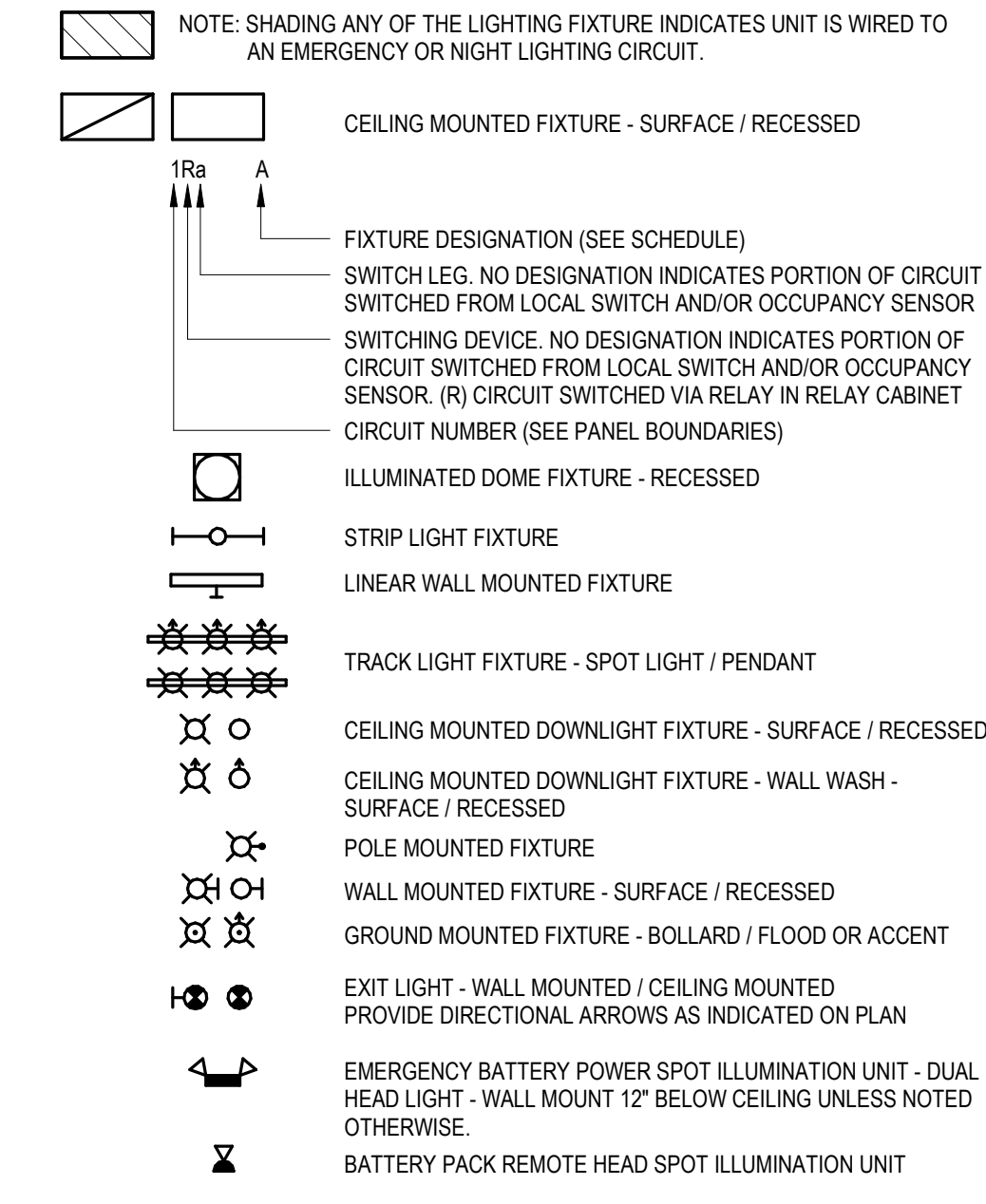
FIXTURE TYPE		DRIVER/BALLAST TYPE		MOUNTING TYPE		CEILING TYPE		FINISHES	
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
F	FLOURESCENT	0-10V	0-10 VOLT DIMMING	AFF	ABOVE FINISH FLOOR	A/O	DRYWALL	A/O	COLOR AS SELECTED BY ARCHITECT/OWNER
H	HID	D1	DIMMING 1-100%	AFG	ABOVE FINISH GRADE	BA	BRUSHED ALUMINUM	BK	BRUSHED ALUMINUM
HAL	HALOGEN	D5	DIMMING 5-100%	P	PENDANT	ES	EXPOSED STRUCTURE	BK	BLACK
I	INCANDESCENT	D10	DIMMING 10-100%	R	RECESS	LG	LAY-IN GRID	BN	BRUSHED NICKEL
LED	LIGHT EMITTING DIODE	DST	STEP DIMMING 50/100%	S	SURFACE	V	VARIES	BZ	BRONZE
		ET	ELECTRONIC	W	WALL MOUNTED			CF	CUSTOM FINISH
		M	MAGNETIC					SF	STANDARD FINISH
		PS	PULSE START					SN	SATIN NICKEL
		ST	STANDARD					SS	SEMI-SPECULAR
		XFMR	TRANSFORMER					WH	WHITE

- OPTIONS:**
- AIR HANDLING CAPABILITY-RETURN AIR
 - 3" DEEP PARABOLIC LOUVERS
 - 4" DEEP PARABOLIC LOUVERS
 - SEMI-SPECULAR, LOW RIDESCENT PARABOLIC LOUVERS
 - FURNISH WITH HOLOPHANE 8246 LENS
 - FLAT ALUMINUM DOOR FRAME-MITERED CORNERS
 - REGRESSED ALUMINUM DOOR FRAME
 - FLAT STEEL DOOR FRAME
 - SINGLE GASKETED DOOR FRAME
 - DOUBLE GASKETED DOOR FRAME
 - TRIPLE GASKETED DOOR FRAME, LENS, BODY
 - POST PAINTED FINISH
 - WET LOCATION CONSTRUCTION
 - DAMP LOCATION CONSTRUCTION
 - STAINLESS STEEL TRIM AND DOOR FRAME
 - CLEAR ALZAK REFLECTOR
 - FURNISH WITH DUST COVER
 - FURNISH WITH ANGLED DUST COVER
 - FURNISH WITH LENS AND GASKET
 - FURNISH WITH AUXILIARY QUARTZ RESTRIKE
 - FURNISH WITH SLOPE ADAPTER-VERIFY SCOPE
 - FURNISH WITH AUXILIARY EMERGENCY BATTERY BALLAST
 - FURNISH WITH WIRE GUARD
 - FURNISH CHAIN MOUNTING ACCESSORIES
 - FURNISH WITH RIGID PENDANT SYSTEM
 - FURNISH WITH SWIVEL CANOPY
 - FURNISH WITH SYMMETRICAL REFLECTOR WITH DIMMING CONTROL
 - FURNISH WITH ASYMMETRICAL REFLECTOR
 - FURNISH WITH PERFORATED DIFFUSER
 - FURNISH WITH SOLID FRONT
 - FURNISH WITH PHOTO CELL
 - FURNISH WITH DIMMING BALLAST COMPATIBLE WITH DIMMING CONTROL
 - WHITE STRAIGHT BLADE LOUVERS
 - FURNISH TRIM SUITABLE FOR USE WITH NARROW TEE CLG SUSPENSION SYSTEM
 - CUSTOM FINISH-COLOR AS SELECTED BY ARCHITECT/OWNER
 - STANDARD FINISH-COLOR AS SELECTED BY ARCHITECT/OWNER
 - FURNISH WITH RF NOISE SUPPRESSORS (GE# 89G635) FOR EACH BALLAST
 - FURNISH WITH ACRYLIC LENS WITH INTEGRAL RFI SHIELDING
 - FURNISH WITH HOUSE SIDE SHIELD
 - FURNISH WITH UNIVERSAL ARROWS AND GREEN STENCIL FACE
 - FURNISH FOR FIRE RATED CONSTRUCTION
 - FURNISH WITH GLARE SHIELD AND LEXAN PROTECTIVE COVER
 - FURNISH WITH UNIVERSAL ARROWS AND GREEN STENCIL FACE AND BATTERY BACK-UP (NO GENERATOR)
 - FURNISH WITH UNIVERSAL MOUNT
 - FURNISH WITH UV LENS AND SOFTENING LENS
 - FURNISH WITH LOUVER
 - FURNISH WITH PRISMATIC LENS
 - FURNISH WITH SPRING LOADED LATCHES
 - FURNISH WITH HINGED DOOR TO COVER INDIRECT AREAS
 - FURNISH WITH TOP AND BOTTOM LENS
 - FURNISH WITH LOUVER
 - FURNISH WITH OPAQUE BACKGROUND
 - FURNISH WITH INTEGRAL ROCKER SWITCH

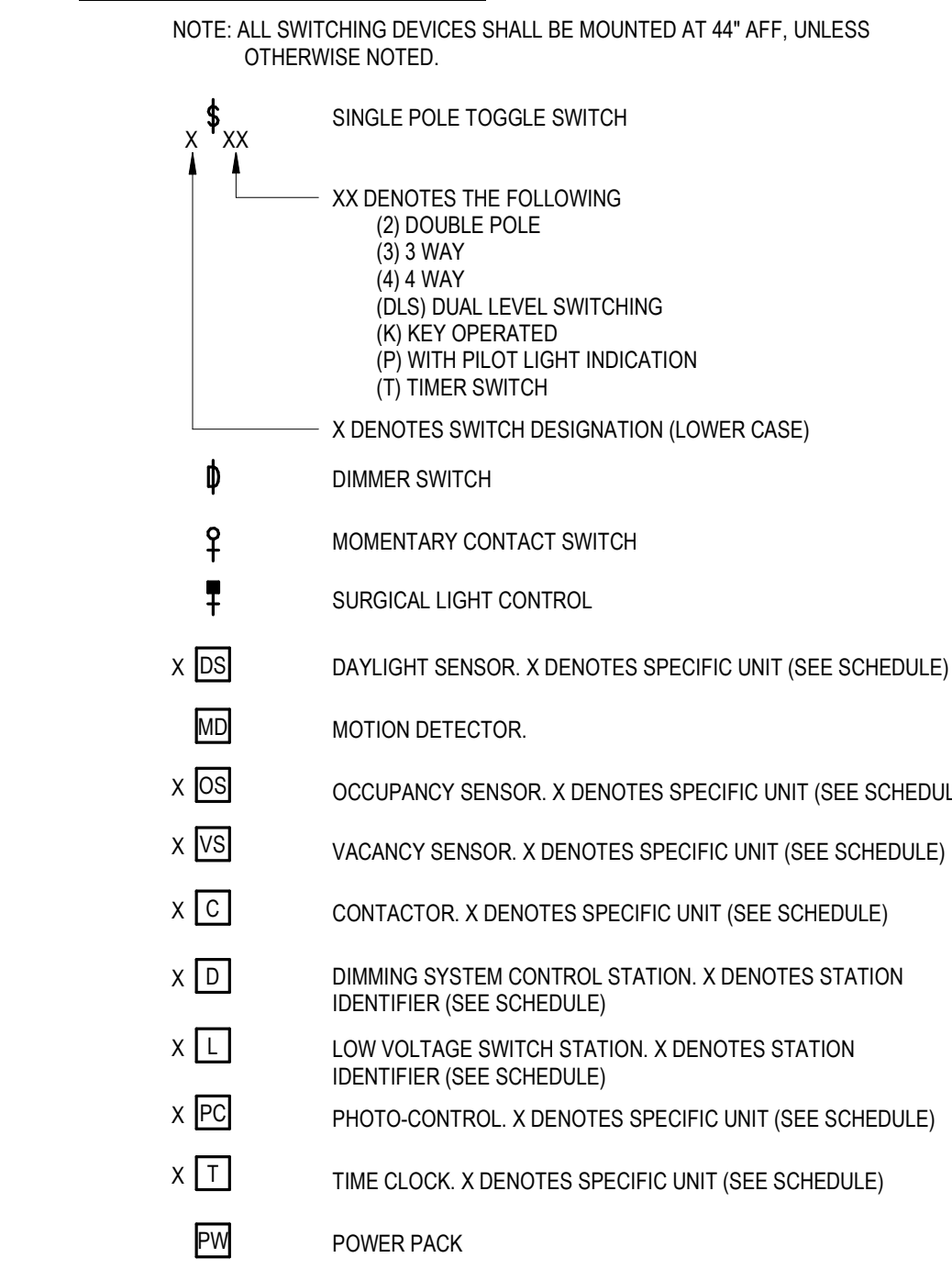
LIGHT FIXTURE SCHEDULE REMARKS:

- PROVIDE WITH 20'-0" SQUARE POLE AND BASE COVER, LITHONIA SSS OR SSA SERIES TO MATCH EXISTING POLE MATERIAL. POLE FINISH TO MATCH LIGHT FIXTURE.
- CONTRACTOR SHALL FIELD VERIFY EXISTING BASE MOUNTING PLATE IS COMPATIBLE WITH NEW FIXTURE/POLE PRIOR TO ORDERING.

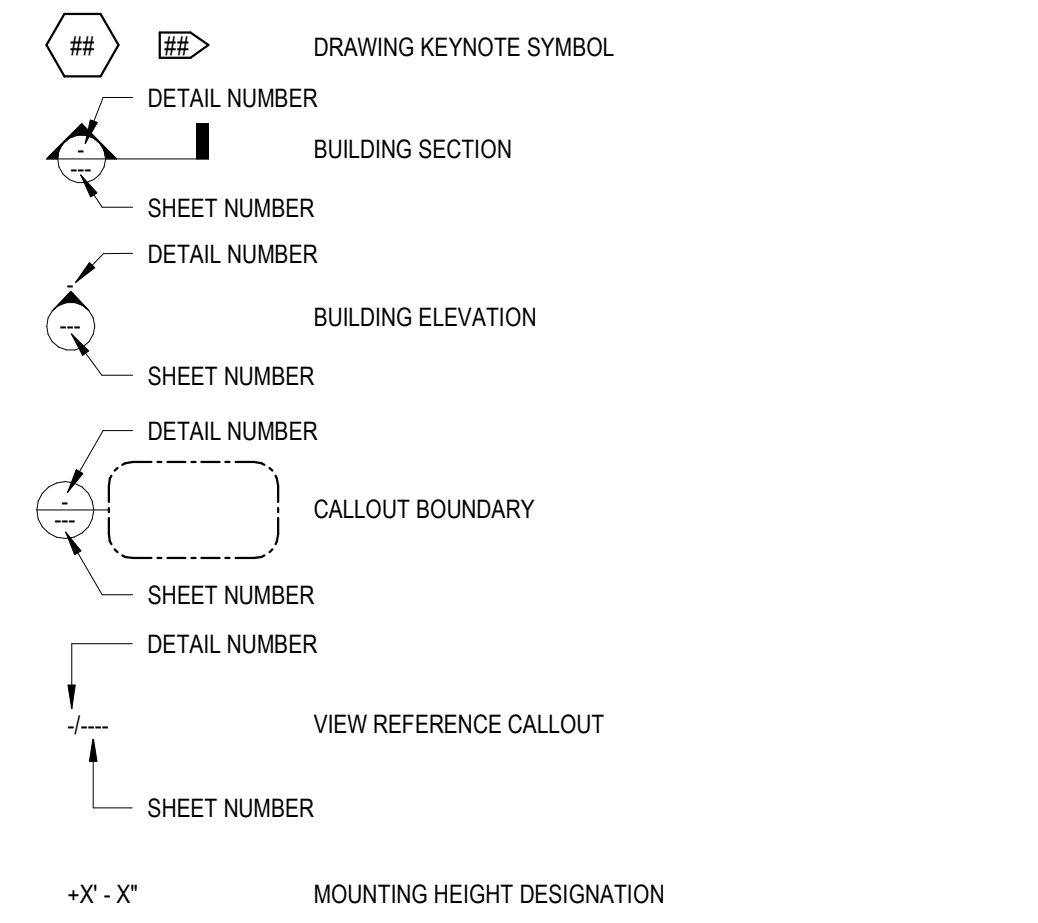
LIGHTING:



SWITCHING DEVICES:



GENERAL:



RENOVATION LEGEND:

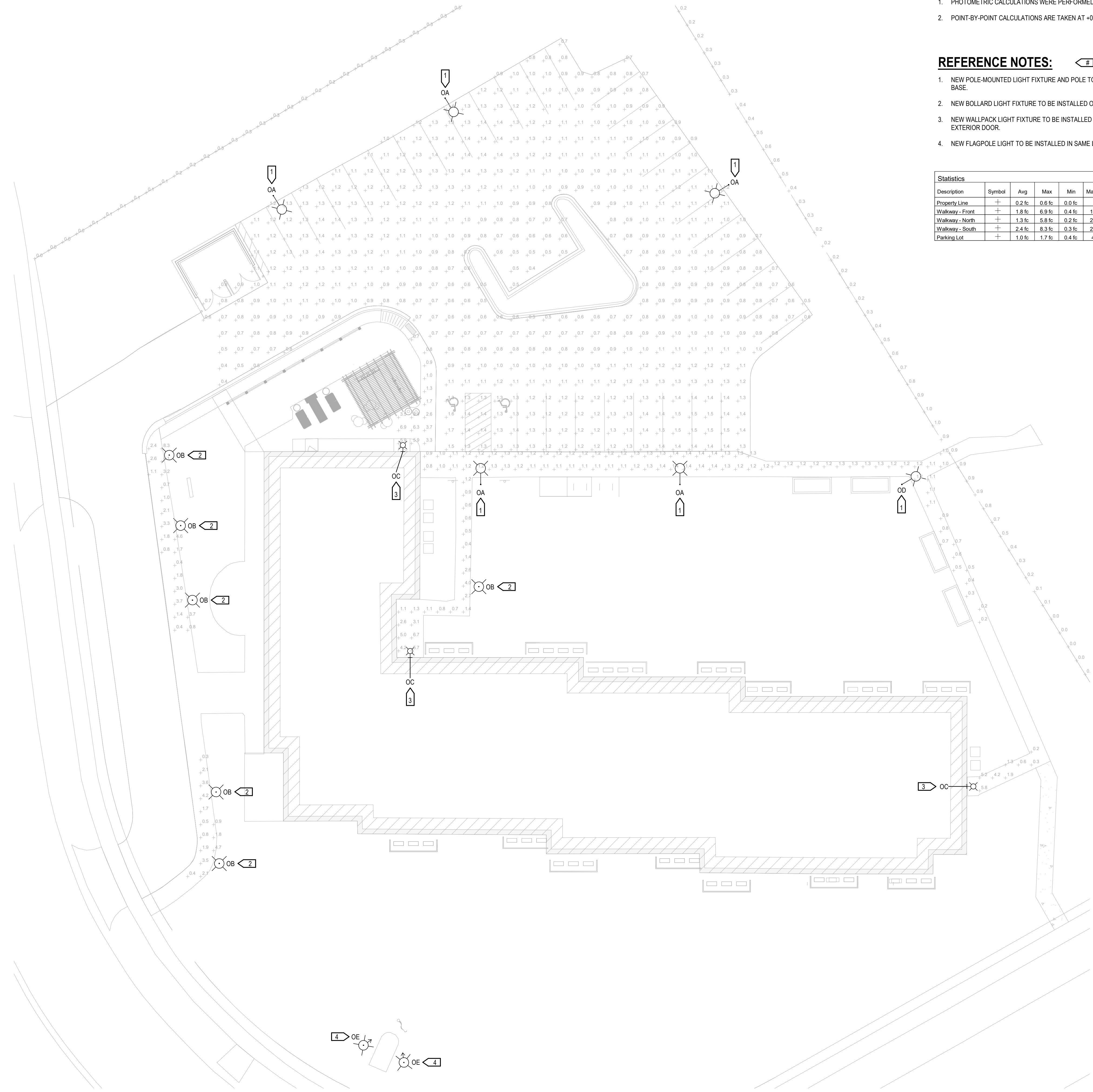
- <E> EXISTING TO REMAIN
- <ED> EXISTING LOCATION, NEW DEVICE OR EQUIPMENT TO BE INSTALLED IN PLACE
- <ER> EXISTING TO BE RELOCATED
- <EO> EXISTING TO BE REMOVED
- <EN> EXISTING IN NEW LOCATION
- <N> NEW
- <RAI> REMAIN AS IS

SHEET INDEX

SHEET NO.	SHEET NAME
E100	ELECTRICAL LEGEND AND SCHEDULES
E101	PHOTOMETRIC SITE PLAN

ELECTRICAL ABBREVIATIONS:

- A AMPS
- A/E ARCHITECT/ENGINEER
- ABV ABOVE
- AC ABOVE COUNTER
- ACP ACCESS CONTROL PANEL
- ACPS ACCESS CONTROL POWER SUPPLY
- ACS ACCESS CONTROL SYSTEM
- AF AMP FRAME
- AFF ABOVE FINISHED FLOOR
- AFG ABOVE FINISHED GRADE
- AIC AVAILABLE INTERRUPTING CURRENT
- ALT ALTERNATE
- ALT SW ALTERNATOR SWITCH
- ARCH ARCHITECT
- ATS AUTOMATIC TRANSFER SWITCH
- AV AUDIO-VISUAL
- BC BELOW COUNTER
- BFG BELOW FINAL GRADE
- BKR BREAKER
- BLDG BUILDING
- BOI BUILT IN OVERLOAD
- BPC BOLTED PRESSURE CONTACT SWITCH
- CATV CABLE TELEVISION
- CB CIRCUIT BREAKER
- CCTV CLOSED CIRCUIT TELEVISION
- CKT CIRCUIT
- CLG CEILING
- CP CONTROL PANEL
- CS COMBINATION STARTER
- CT CURRENT TRANSFORMER
- CTRL CONTROLLER
- DE DUAL ELEMENT FUSES
- DIR DIRECT
- DISC DISCONNECT
- DN DOWN
- EC ELECTRICAL CONTRACTOR
- ELEV ELEVATION REFERENCE
- EM EMERGENCY
- EMT ELECTRIC METALLIC TUBING
- EOL END OF LINE RESISTOR
- EP EXPLOSION PROOF
- EQUIP EQUIPMENT
- EWC ELECTRIC WATER COOLER
- F FUSE
- FAAP FIRE ALARM ANNUNCIATOR PANEL
- FAC FIRE ALARM CABINET
- FACP FIRE ALARM CONTROL PANEL
- FBO FURNISHED BY OTHERS
- FDR FEEDER
- FIXT FIXTURE
- FLA FULL LOAD AMPS
- FLR FLOOR
- FS FLOW SWITCH
- FVNR FULL VOLTAGE NON-REVERSING
- GC GENERAL CONTRACTOR
- GFI GROUND FAULT INTERRUPTER
- GRC GALVANIZED RIGID CONDUIT
- GRD GROUND
- GYP GYPSUM BOARD
- HID HIGH INTENSITY DISCHARGE
- HOA HAND-OFF-AUTO SWITCH
- HP HORSEPOWER
- HV HIGH VOLTAGE
- HVAC HEATING & VENTILATING - AIR CONDITIONING
- HVC HEATING VENTILATING CONTRACTOR
- HW HEAVYWALL
- ICP INTERCOM CONTROL PANEL
- ICPS INTERCOM POWER SUPPLY
- ID INDIRECT
- IDF INTERMEDIATE DISTRIBUTION FRAME
- IL INTERLOCK
- IMC INTERMEDIATE METAL CONDUIT
- INC INCANDESCENT
- IU IN UNIT
- J-BOX JUNCTION BOX
- LCP LIGHTING CONTROL PANEL
- LG LAY-IN GRID
- LTG LIGHTING
- LV LOW VOLTAGE
- LVT LINE VOLTAGE THERMOSTAT
- MAG MAGNETIC STARTER
- MAN MANUAL STARTER
- MCC MOTOR CONTROL CENTER
- MDF MAIN DISTRIBUTION FRAME
- MDP MAIN DISTRIBUTION PANEL
- MFR MANUFACTURER
- MLO MAIN LUGS ONLY
- MSB MAIN SWITCHBOARD
- MTD MOUNTED
- NIC NOT IN CONTRACT
- NU NEAR UNIT
- OU ON UNIT
- P POLE
- PB PUSH BUTTON
- PC PHOTO CONTROL
- PCP PAGING CONTROL PANEL
- PCPS PAGING CONTROL POWER SUPPLY
- PE SW PNEUMATIC SWITCH
- PEND PENDANT
- PLBG PLUMBING CONTRACTOR
- PNL PANEL
- R RELAY
- REC RECESS
- RECP RECEPTACLE
- RM ROOM
- RVS REDUCED VOLTAGE STARTING
- SDB SUB-DISTRIBUTION BOARD
- SEL SW SELECTOR SWITCH
- SP SW SPEED SWITCH
- SURF SURFACE
- SW SWITCH
- T-STAT THERMOSTAT
- TC TIME CLOCK
- TCC TEMPERATURE CONTROL CONTRACTOR
- TCP TEMPERATURE CONTROL PANEL
- TS TAMPER SWITCH
- TYP TYPICAL
- UG UNDERGROUND
- UNIV UNIVERSAL
- US UNIT SUBSTATION
- WP WEATHERPROOF
- XFMR TRANSFORMER



GENERAL NOTES:

1. PHOTOMETRIC CALCULATIONS WERE PERFORMED IN VISUAL 2020 LIGHTING SOFTWARE.
2. POINT-BY-POINT CALCULATIONS ARE TAKEN AT +0'-0" AFG, UNLESS NOTED OTHERWISE.

REFERENCE NOTES:

1. NEW POLE-MOUNTED LIGHT FIXTURE AND POLE TO BE INSTALLED ON EXISTING CONCRETE BASE.
2. NEW BOLLARD LIGHT FIXTURE TO BE INSTALLED ON EXISTING CONCRETE BASE.
3. NEW WALLPACK LIGHT FIXTURE TO BE INSTALLED IN EXISTING JUNCTION BOX LOCATED ABOVE EXTERIOR DOOR.
4. NEW FLAGPOLE LIGHT TO BE INSTALLED IN SAME LOCATION AS DEMOLISHED FLOOD LIGHTS.

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Property Line	+	0.2 fc	0.6 fc	0.0 fc	N/A	N/A
Walkway - Front	+	1.8 fc	6.9 fc	0.4 fc	17.3:1	4.5:1
Walkway - North	+	1.3 fc	5.8 fc	0.2 fc	29.0:1	6.5:1
Walkway - South	+	2.4 fc	8.3 fc	0.3 fc	27.7:1	8.0:1
Parking Lot	+	1.0 fc	1.7 fc	0.4 fc	4.3:1	2.5:1

PROJECT FOR:
ILLUMINUS
 1045 HILL ST
 WATERTOWN, WI 53098

DRAWING DESCRIPTION:
PHOTOMETRIC SITE PLAN

OWNERSHIP OF DOCUMENTS:
 THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE SOLE PROPERTY OF ALLUME ARCHITECTS LLC AND IS NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE EXPRESSED WRITTEN AUTHORIZATION OF ALLUME ARCHITECTS, LLC

REVISIONS:	DATE:	ITEMS REVISED:

DRAWN BY: RTM
 DATE: 02/14/2025
 PROJECT NUMBER: 202402

SHEET NUMBER:
E101
 2 OF 2

1
E101 PHOTOMETRIC SITE PLAN
 1/16" = 1'-0"



D-Series Size 0 LED Area Luminaire



Catalog Number
Notes
Type

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

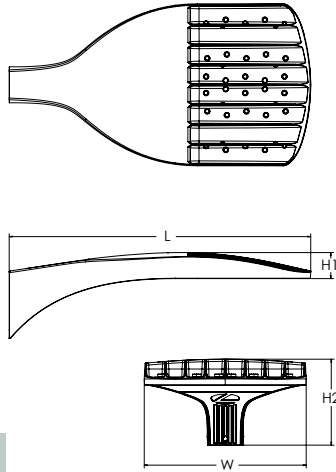
Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.44 ft ² (0.04 m ²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)



ds Design Select options indicated by this color background.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED	Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting
DSX0 LED	Forward optics	(this section 70CRI only)					
	P1 P5	30K 3000K	70CRI	AFR Automotive front row	T5M Type V medium	MVOLT (120V-277V) ⁴	Shipped included
	P2 P6	40K 4000K	70CRI	T1S Type I short	T5LG Type V low glare	HVOLT (347V-480V) ^{5,6}	SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole)
	P3 P7	50K 5000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V-480V) ^{7,8}	RPA Round pole mounting (#8 drilling, 3" min. RND pole)
	P4	(this section 80CRI only, extended lead times apply)		T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16,24}	SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) ⁹
	Rotated optics			T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16,24}	SPA5 Round pole mounting (#5 drilling, 3" min. RND pole) ⁹
	P10 ¹ P12 ¹	27K 2700K	80CRI	T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16,24}	SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole)
	P11 ¹ P13 ¹	30K 3000K	80CRI	T4LG Type IV low glare ³	RCCO Right corner cutoff ³	277 ^{16,24}	WBA Wall bracket ¹⁰
		35K 3500K	80CRI	TFTM Forward throw medium		347 ^{16,24}	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
		40K 4000K	80CRI			480 ^{16,24}	
		50K 5000K	80CRI				

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark Bronze
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{11, 12, 18, 19}	HS Houseside shield (black finish standard) ²⁰	DBLXD Black
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13, 18, 19}	L90 Left rotated optics ¹	DNAXD Natural Aluminum
PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁴	R90 Right rotated optics ¹	DWHXD White
PER5 Five-pin receptacle only (controls ordered separate) ^{14, 19}	CCE Coastal Construction ²¹	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate) ^{14, 19}	HA 50°C ambient operation ²²	DBLBXD Textured black
FAO Field adjustable output ^{15, 19}	BAA Buy America(n) Act and/or Build America Buy America Qualified	DNATXD Textured natural aluminum
BL30 Bi-level switched dimming, 30% ^{16, 19}	SF Single fuse (120, 277, 347V) ²⁴	DWHGXD Textured white
BL50 Bi-level switched dimming, 50% ^{16, 19}	DF Double fuse (208, 240, 480V) ²⁴	
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷	Shipped separately	
	EGSR External Glare Shield (reversible, field install required, matches housing finish)	
	BSDB Bird Spikes (field install required)	



Ordering Information

Accessories

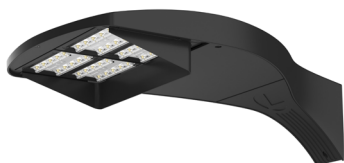
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²³
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²³
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²³
DSHORT SBK	Shorting cap ²³
DSX0HS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXRPAS (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0SDB (FINISH)	Bird spike deterrent bracket (specify finish)

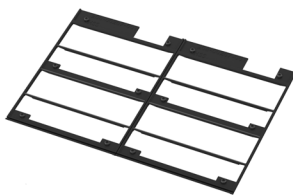
NOTES

- 1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- 3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- 4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- 7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- 8 XVOLT not available in packages P1, P2 or P10. XVOLT not available with fusing (SF or DF).
- 9 SPAS and RPAS for use with #5 drilling only (Not for use with #8 drilling).
- 10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
- 11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
- 12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT. NLTAIR2 PIRHN not available with P1 using MVOLT.
- 13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT. PIR not available with P1 using MVOLT.
- 14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- 15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
- 16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG. BL30 or BL50 must specify 120 or 277V.
- 17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
- 18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
- 19 Reference Controls Options table on page 4.
- 20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 21 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- 22 Option HA not available with performance packages P6, P7, P12 and P13.
- 23 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- 24 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



External Glare Shield (EGSR)

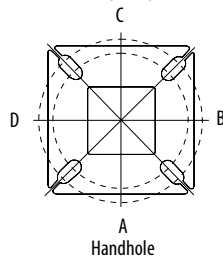


House Side Shield (HS)

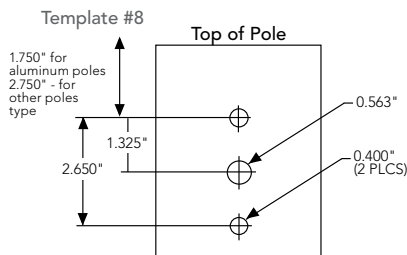
Drilling

HANDHOLE ORIENTATION

(from top of pole)



Handhole



Tenon Mounting Slipfitter

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

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"	3"	3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"	3"	3"
RPAS	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"	3"	3"

DSX0 Area 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 DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPAS, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPAS	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

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

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

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145				
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147				
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131				
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149				
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136				
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150				
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154				
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156				
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154				
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107				
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111				
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
								T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
T3M	5,930	1	0					3	131	6,180	1	0	3	137	6,301	1	0	3	140				
T3LG	5,297	1	0					1	117	5,521	1	0	1	122	5,628	1	0	1	125				
T4M	6,018	1	0					3	133	6,272	1	0	3	139	6,395	1	0	3	142				
T4LG	5,474	1	0					1	121	5,705	1	0	1	126	5,816	1	0	1	129				
TFTM	6,060	1	0					3	134	6,316	1	0	3	140	6,439	1	0	3	143				
T5M	6,192	3	0					1	137	6,453	3	0	2	143	6,579	3	0	2	146				
T5W	6,293	3	0					2	139	6,558	3	0	2	145	6,686	3	0	2	148				
T5LG	6,210	2	0					1	138	6,472	3	0	1	143	6,598	3	0	1	146				
BLC3	4,313	0	0					2	96	4,495	0	0	2	100	4,583	0	0	2	102				
BLC4	4,455	0	0					2	99	4,643	0	0	2	103	4,733	0	0	2	105				
RCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
LCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
AFR	6,328	1	0					1	140	6,595	1	0	1	146	6,724	1	0	1	149				
P3	69W	20	1050					T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
								T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130				
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116				
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132				
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120				
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133				
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136				
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138				
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136				
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95				
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98				
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139				
				P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
								T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
T3M	10,680	2	0					3	115	11,130	2	0	3	120	11,347	2	0	3	122				
T3LG	9,540	1	0					2	103	9,942	1	0	2	107	10,136	1	0	2	109				
T4M	10,839	2	0					3	117	11,296	2	0	3	121	11,516	2	0	4	124				
T4LG	9,858	1	0					2	106	10,274	1	0	2	110	10,474	1	0	2	113				
TFTM	10,914	2	0					3	117	11,374	2	0	3	122	11,596	2	0	3	125				
T5M	11,152	4	0					2	120	11,622	4	0	2	125	11,849	4	0	2	127				
T5W	11,332	4	0					3	122	11,811	4	0	3	127	12,041	4	0	3	129				
T5LG	11,184	3	0					1	120	11,656	3	0	2	125	11,883	3	0	2	128				
BLC3	7,768	0	0					2	83	8,096	0	0	2	87	8,254	0	0	2	89				
BLC4	8,023	0	0					3	86	8,362	0	0	3	90	8,524	0	0	3	92				
RCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
LCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
AFR	11,396	1	0					2	122	11,877	1	0	2	128	12,109	2	0	2	130				

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642
T2M	16,253	3	0					4	119	16,939	3	0	4	124	17,269	3	0	4	126
T3M	16,442	2	0					4	120	17,135	3	0	4	125	17,469	3	0	4	128
T3LG	14,687	2	0					2	107	15,306	2	0	2	112	15,605	2	0	2	114
T4M	16,687	2	0					4	122	17,391	3	0	5	127	17,730	3	0	5	129
T4LG	15,177	2	0					2	111	15,817	2	0	2	115	16,125	2	0	2	118
TFTM	16,802	2	0					4	123	17,511	2	0	4	128	17,852	2	0	5	130
T5M	17,168	4	0					2	125	17,893	5	0	3	131	18,241	5	0	3	133
T5W	17,447	5	0					3	127	18,183	5	0	3	133	18,537	5	0	3	135
T5LG	17,218	4	0					2	126	17,944	4	0	2	131	18,294	4	0	2	134
BLC3	11,959	0	0					3	87	12,464	0	0	3	91	12,707	0	0	3	93
BLC4	12,352	0	0					4	90	12,873	0	0	4	94	13,124	0	0	4	96
RCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
LCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
AFR	17,545	2	0					3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300					T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129

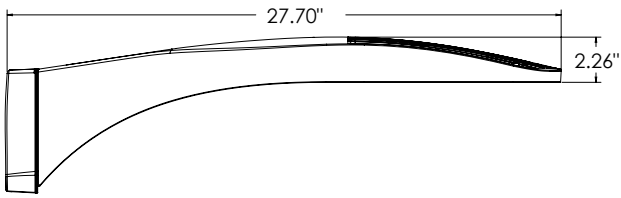
Performance Data

Lumen Output

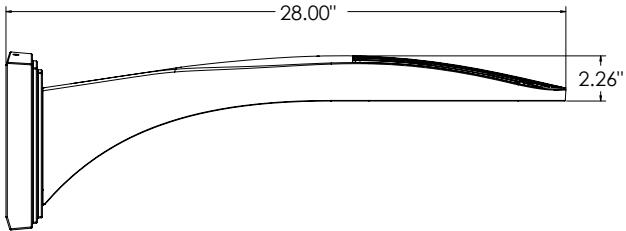
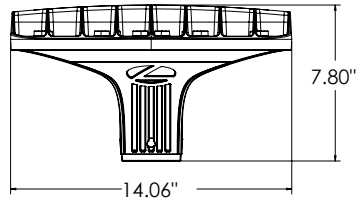
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154				
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143				
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145				
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129				
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147				
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134				
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148				
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151				
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154				
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152				
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105				
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109				
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106				
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106				
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154				
				P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943	3	0	3	146
								T2M	8,669	3	0	3	127	9,034	3	0	3	133	9,211	3	0	3	135
T3M	8,768	3	0					3	129	9,138	3	0	3	134	9,316	3	0	3	137				
T3LG	7,833	3	0					3	115	8,164	3	0	3	120	8,323	3	0	3	122				
T4M	8,899	3	0					3	131	9,274	3	0	3	136	9,455	3	0	3	139				
T4LG	8,093	3	0					3	119	8,435	3	0	3	124	8,599	3	0	3	126				
TFTM	8,962	3	0					3	132	9,340	3	0	3	137	9,522	3	0	3	140				
T5M	9,156	4	0					2	135	9,542	4	0	2	140	9,728	4	0	2	143				
T5W	9,304	4	0					2	137	9,696	4	0	2	143	9,885	4	0	2	145				
T5LG	9,182	3	0					1	135	9,569	3	0	1	141	9,756	3	0	1	143				
BLC3	6,378	3	0					3	94	6,647	3	0	3	98	6,777	3	0	3	100				
BLC4	6,587	3	0					3	97	6,865	3	0	3	101	6,999	3	0	3	103				
RCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101				
LCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101				
AFR	9,358	3	0					3	138	9,753	3	0	3	143	9,943	3	0	3	146				
P12	103W	30	1050					T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
								T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128				
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114				
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129				
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118				
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130				
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133				
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135				
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134				
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93				
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96				
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94				
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94				
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136				
				P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685	4	0	4	130
								T2M	14,547	4	0	4	113	15,161	4	0	4	118	15,457	4	0	4	120
T3M	14,714	4	0					4	114	15,335	4	0	4	119	15,634	4	0	4	121				
T3LG	13,145	3	0					3	102	13,700	3	0	3	106	13,967	3	0	3	108				
T4M	14,933	4	0					4	116	15,563	4	0	4	121	15,867	4	0	4	123				
T4LG	13,582	3	0					3	105	14,155	3	0	3	110	14,431	3	0	3	112				
TFTM	15,039	4	0					4	117	15,673	4	0	4	122	15,979	4	0	4	124				
T5M	15,364	4	0					2	119	16,013	4	0	2	124	16,325	4	0	2	127				
T5W	15,613	5	0					3	121	16,272	5	0	3	126	16,589	5	0	3	129				
T5LG	15,409	3	0					2	120	16,059	3	0	2	125	16,372	4	0	2	127				
BLC3	10,703	4	0					4	83	11,155	4	0	4	87	11,372	4	0	4	88				
BLC4	11,054	4	0					4	86	11,520	4	0	4	89	11,745	4	0	4	91				
RCCO	10,800	1	0					2	84	11,256	1	0	2	87	11,475	1	0	3	89				
LCCO	10,800	1	0					2	84	11,255	1	0	2	87	11,475	1	0	3	89				
AFR	15,704	3	0					3	122	16,366	3	0	3	127	16,685	4	0	4	130				

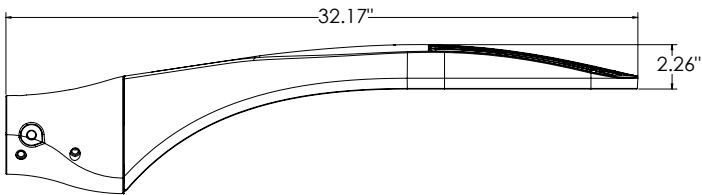
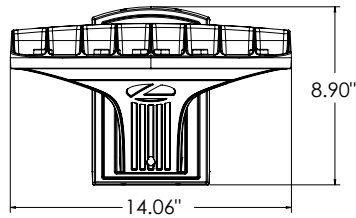
Dimensions



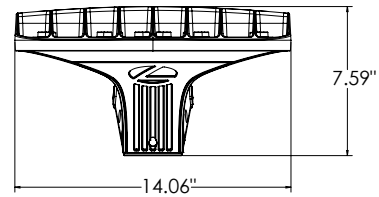
DSX0 with RPA, RPA5, SPA5, SPA8N mount
Weight: 25 lbs



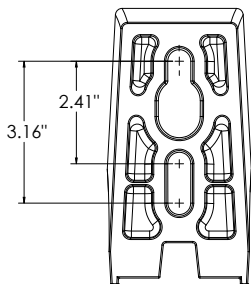
DSX0 with WBA mount
Weight: 27 lb



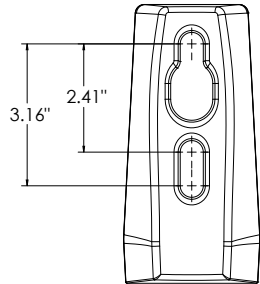
DSX0 with MA mount
Weight: 28 lbs



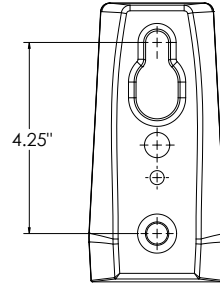
SPA (STANDARD ARM)



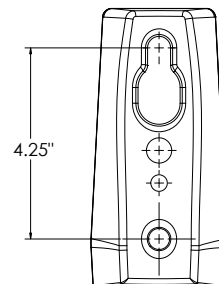
RPA



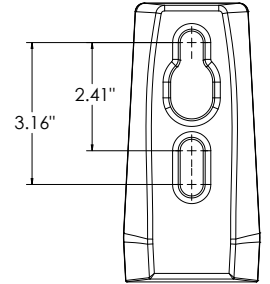
SPA5



RPA5

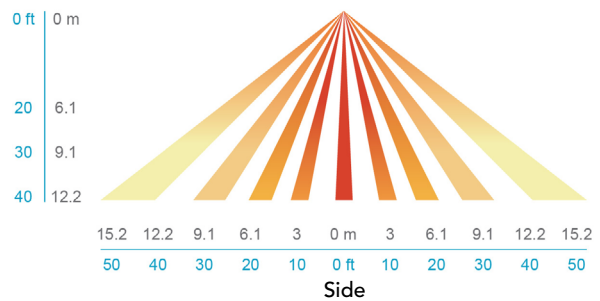
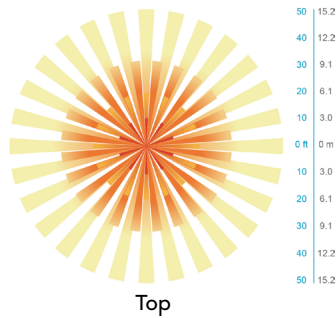
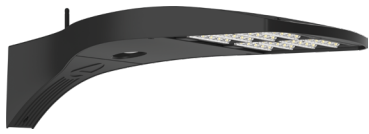


SPA8N



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

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

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 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 and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires 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 Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. 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.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.



KBR8 LED

LED Specification Bollard



Catalog Number
Notes
Type

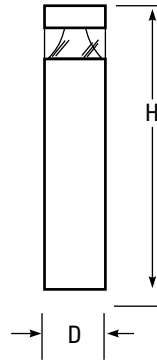
Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

8" Round
(20.3 cm)

Height: 40"
(101.6 cm)

Weight (max): 27 lbs
(12.25 kg)



Introduction

The KBR8 Bollard is a stylish, fully integrated LED solution for walkways. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 70% in energy savings over comparable 100W metal halide luminaires, the KBR8 Bollard is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: KBR8 LED 16C 700 40K SYM MVOLT DDBXD

KBR8 LED															
Series	LEDs	Drive current		Color temperature		Distribution		Voltage	Control options	Other options	Finish <i>(required)</i>				
KBR8 LED	Asymmetric	350	350 mA	30K	3000 K	ASY	Asymmetric ¹	MVOLT ⁵	Shipped installed	Shipped installed	DWHXD White				
		12C	12 LEDs ¹	450	450 mA ^{3,4}	40K	4000 K	SYM			Symmetric ²	120 ⁵	PE	Photoelectric cell, button type	SF
	Symmetric	16C	16 LEDs ²	530	530 mA	50K	5000 K		208 ⁵	DMG	0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)	DF	Double fuse (208, 240V) ^{4,7}	DDBXD	Dark bronze
		700	700 mA	AMBPC	Amber phosphor converted			240 ⁵	ELCW	Emergency battery backup, CA Title 20 Noncompliant ⁶	H24	24" overall height	DBLXD	Black	
				AMBLW	Amber limited wavelength ^{3,4}			277 ⁵			H30	30" overall height	DDBTXD	Textured dark bronze	
								347 ⁴			H36	36" overall height	DBLBXD	Textured black	
											FG	Ground-fault festoon outlet	DNATXD	Textured natural aluminum	
											L/AB	Without anchor bolts (3 bolt base)	DWHGXD	Textured white	
											L/AB4	4 bolt retrofit base without anchor bolts ⁸			

Accessories

Ordered and shipped separately.

MRAB U Anchor bolts for KBR8 LED ⁸

NOTES

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



Performance Data

Actual 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. Lumen performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%.

Light Engines	Drive Current	System Watts	3000 K					4000 K					5000 K					Limited Wavelength Amber					
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	
Asymmetric 3 Engines (12 LEDs)	350	16	641	40	1	1	1	809	51	1	1	1	870	54	1	1	1						
	530	22	947	43	1	1	1	1,191	54	1	1	1	1,282	58	1	1	1						
	700	31	1,214	40	1	1	1	1,527	51	1	1	1	1,646	55	1	1	1						
	Amber 450	16																324	20	0	1	0	
Symmetric 4 Engines (16 LEDs)	350	20	888	44	1	0	0	1,116	56	1	0	0	1,203	60	1	0	0						
	530	28	1,254	45	1	0	0	1,598	57	1	0	1	1,719	61	1	0	1						
	700	39	1,608	41	1	0	1	2,022	52	1	0	1	2,180	56	2	0	1						
	Amber 450	20																374	19	0	0	0	

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

Projected LED Lumen Maintenance

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

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

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

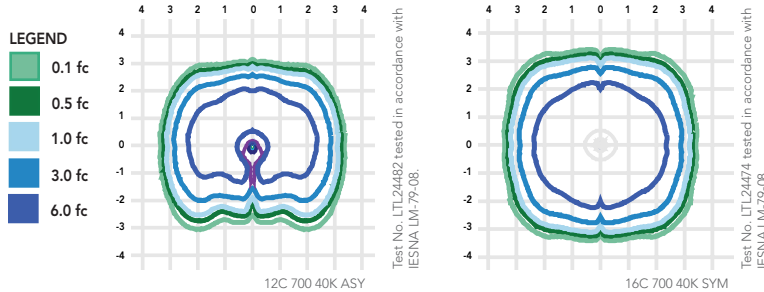
Electrical Load

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

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [KBR8 Bollard homepage](#).

Isofootcandle plots for the KB LED Bollards. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and clean lines of the KBA bollard is ideal for illuminating building entryways, walking paths, and pedestrian plazas, as well as any other location requiring a low mounting height light source with fully cutoff illumination.

CONSTRUCTION

One-piece 8-inch round extruded aluminum shaft with thick side walls for extreme durability, a high-impact clear acrylic lens and welded top cap. Die-cast aluminum mounting ring allows for easy leveling even in sloped locations and a full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3 ¾" bolt circle template ensure stability. Overall height is 42" standard.

FINISH

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

OPTICS

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

ELECTRICAL

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

LISTINGS

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

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

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





ARC1 LED

Architectural Wall Luminaire



Catalog Number

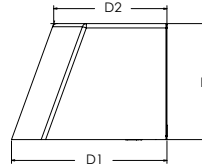
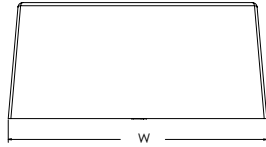
Notes

Type

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

Specifications

Depth (D1): 6.5"
Depth (D2): 4.75"
Height: 5"
Width: 11"
Weight: 7 lbs
 (without options)



Introduction

The Lithonia Lighting ARC LED wall-mounted luminaires provide both architectural styling and visually comfortable illumination while providing the high energy savings and low initial costs for quick financial payback.

ARC1 delivers up to 3,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of ARC1, with its integrated emergency battery backup option, is ideal for over-the-door applications.

ARC LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Approximate Lumens (4000K)				
			P1	P2	P3	P4	P5
ARC1 LED	4W	--	1,500	2,000	3,000	--	--
ARC2 LED	4W	8W	1,500	2,000	3,000	4,000	6,500

Ordering Information

EXAMPLE: ARC1 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
ARC1 LED	P1 1,500 Lumens	30K 3000K	MVOLT	E4WH Emergency battery backup, CEC compliant (4W, 0°C min) ¹	DDBXD Dark bronze
	P2 2,000 Lumens	40K 4000K		PE Button type photocell for dusk-to-dawn operation	DBLXD Black
	P3 3,000 Lumens	50K 5000K	347 ¹	DMG 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ²	DNAXD Natural aluminum
				SPD6KV 6kV surge protection	DWHXD White
			FAO Field adjustable light output device. Allows for easy adjustment to the desired light levels, from 20% to 100% ²	DSSXD Sandstone	
			LDS18 18" Fixture leads	DDBTXD Textured dark bronze	
				DBLBXD Textured black	
				DNATXD Textured natural aluminum	
				DWHGXD Textured white	
				DSSTXD Textured sandstone	

Accessories

Ordered and shipped separately.

WSBBW DDBXD U

Surface-mounted back box (specify finish)

NOTES

- 347V not available with E4WH.
- FAO not available with DMG.



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
 © 2020-2024 Acuity Brands Lighting, Inc. All rights reserved.

ARC1 LED
 Rev. 08/27/24

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	30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)				
		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P1	11W	1,376	127	0	0	0	1,454	134	0	0	0	1,464	135	0	0	0
P2	17W	2,035	121	1	0	1	2,151	128	1	0	1	2,165	129	1	0	1
P3	25W	2,859	117	1	0	1	3,021	123	1	0	1	3,041	124	1	0	1

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	11W	0.111	0.061	0.053	0.047	0.045
P2	17W	0.139	0.081	0.071	0.063	0.060
P3	25W	0.208	0.122	0.108	0.097	0.081

Lumen Output in Emergency Mode (4000K, 80 CRI)

Option	Lumens
E4WH	620

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient		Lumen Multiplier
0°C	32°F	1.04
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

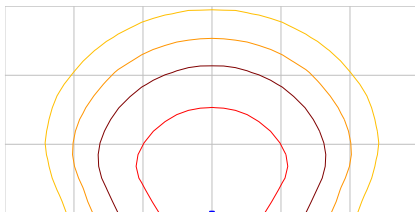
Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	0.97	>0.96	>0.95	>0.91

Photometric Diagrams

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

LEGEND

- 0.25 fc
- 0.5 fc
- 1.0 fc
- 3.0 fc



MH = 10ft
Grid = 10ft x 10ft

ARC1 LED P3 40K

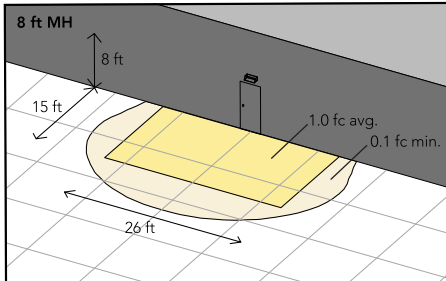
Emergency Egress Options

Emergency Battery Backup

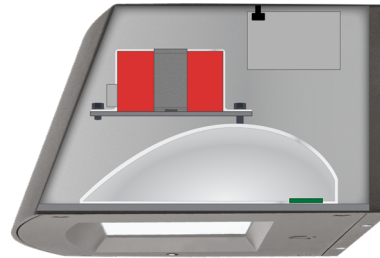
The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90 minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The example below shows illuminance of 1 fc average and 0.1 fc minimum in emergency mode.



ARC1 LED 40K MVOLT E4WH



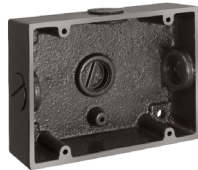
Self-contained solution for clean aesthetic

Mounting, Options & Accessories



E4WH – 4W Emergency Battery Backup

D = 6.5"
H = 5"
W = 11"



BBW – Standard Back Box

D = 1.5"
H = 4"
W = 5.5"

For surface conduit applications.
3/4" conduit entry holes.

FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

The die-cast aluminum housing and door act as heat sinks to optimize thermal transfer from the light engine and driver to promote long-life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

FINISH

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

OPTICS

Recessed lens to cut off high angle light and reduce glare. Combination of diffused lens and reflector design has low surface brightness creating a visually comfortable environment with great distribution. LEDs are fully hidden from view to eliminate pixelization and harsh glare. The ARC LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long-life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire is 0-10V dimmable.

INSTALLATION

The universal wall plate, supplied with the luminaire, fits multiple size junction boxes and supports the luminaire during wiring for easy installation. Built-in wet location wiring compartment on the luminaire to accommodate wiring connections for where there is no junction box. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. 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 DarkSky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. Rated for -40°C minimum ambient.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.





D-Series Size 0 LED Area Luminaire



Catalog Number
Notes
Type

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

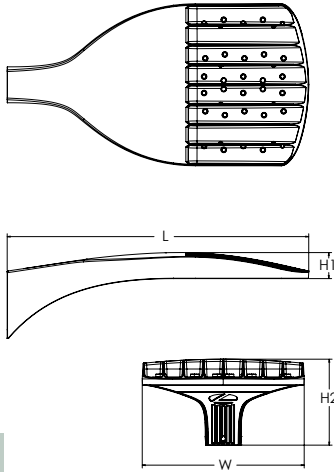
Introduction

The modern styling of the D-Series features a highly refined aesthetic that blends seamlessly with its environment. The D-Series offers the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire.

The photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. D-Series outstanding photometry aids in reducing the number of poles required in area lighting applications, with typical energy savings of 70% and expected service life of over 100,000 hours.

Specifications

EPA:	0.44 ft ² (0.04 m ²)
Length:	26.18" (66.5 cm)
Width:	14.06" (35.7 cm)
Height H1:	2.26" (5.7 cm)
Height H2:	7.46" (18.9 cm)
Weight:	23 lbs (10.4 kg)



ds Design Select options indicated by this color background.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect. *See ordering tree for details

Ordering Information

EXAMPLE: DSX0 LED P6 40K 70CRI T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

DSX0 LED	Series	LEDs	Color temperature ²	Color Rendering Index ²	Distribution	Voltage	Mounting
DSX0 LED	Forward optics	(this section 70CRI only)	30K 3000K	70CRI	AFR Automotive front row	MVOLT (120V-277V) ⁴	Shipped included
	P1 P5	30K 3000K	70CRI	T1S Type I short	T5M Type V medium	HVOLT (347V-480V) ^{5,6}	SPA Square pole mounting (#8 drilling, 3.5" min. SQ pole)
	P2 P6	40K 4000K	70CRI	T2M Type II medium	T5W Type V wide	XVOLT (277V-480V) ^{7,8}	RPA Round pole mounting (#8 drilling, 3" min. RND pole)
	P3 P7	50K 5000K	70CRI	T3M Type III medium	BLC3 Type III backlight control ³	120 ^{16,24}	SPA5 Square pole mounting (#5 drilling, 3" min. SQ pole) ⁹
	P4	(this section 80CRI only, extended lead times apply)		T3LG Type III low glare ³	BLC4 Type IV backlight control ³	208 ^{16,24}	RPAS Round pole mounting (#5 drilling, 3" min. RND pole) ⁹
	Rotated optics			T4M Type IV medium	LCCO Left corner cutoff ³	240 ^{16,24}	SPA8N Square narrow pole mounting (#8 drilling, 3" min. SQ pole)
	P10 ¹ P12 ¹	27K 2700K	80CRI	T4LG Type IV low glare ³	RCCO Right corner cutoff ³	277 ^{16,24}	WBA Wall bracket ¹⁰
	P11 ¹ P13 ¹	30K 3000K	80CRI	TFTM Forward throw medium		347 ^{16,24}	MA Mast arm adapter (mounts on 2 3/8" OD horizontal tenon)
		35K 3500K	80CRI			480 ^{16,24}	
		40K 4000K	80CRI				
		50K 5000K	80CRI				

Control options	Other options	Finish (required)
Shipped installed	Shipped installed	DDBXD Dark Bronze
NLTAIR2 PIRHN nLight AIR gen 2 enabled with bi-level motion / ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{11, 12, 18, 19}	HS Houseside shield (black finish standard) ²⁰	DBLXD Black
PIR High/low, motion/ambient sensor, 8-40' mounting height, ambient sensor enabled at 2fc. ^{13, 18, 19}	L90 Left rotated optics ¹	DNAXD Natural Aluminum
PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁴	R90 Right rotated optics ¹	DWHXD White
PERS Five-pin receptacle only (controls ordered separate) ^{14, 19}	CCE Coastal Construction ²¹	DDBTXD Textured dark bronze
PER7 Seven-pin receptacle only (controls ordered separate) ^{14, 19}	HA 50°C ambient operation ²²	DBLBXD Textured black
FAO Field adjustable output ^{15, 19}	BAA Buy America(n) Act and/or Build America Buy America Qualified	DNATXD Textured natural aluminum
BL30 Bi-level switched dimming, 30% ^{16, 19}	SF Single fuse (120, 277, 347V) ²⁴	DWHGXD Textured white
BL50 Bi-level switched dimming, 50% ^{16, 19}	DF Double fuse (208, 240, 480V) ²⁴	
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷	Shipped separately	
	EGSR External Glare Shield (reversible, field install required, matches housing finish)	
	BSDB Bird Spikes (field install required)	



One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
© 2011-2025 Acuity Brands Lighting, Inc. All rights reserved.

DSX0-LED
Rev. 01/28/25
Page 1 of 9

Ordering Information

Accessories

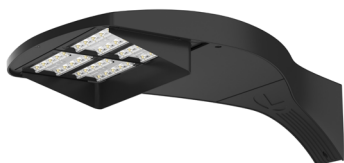
Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²³
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²³
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²³
DSHORT SBK	Shorting cap ²³
DSX0HS P#	House-side shield (enter package number P1-7, P10-13 in place of #)
DSXRPA (FINISH)	Round pole adapter (#8 drilling, specify finish)
DSXSPA5 (FINISH)	Round pole adapter #5 drilling (specify finish)
DSXSPA5 (FINISH)	Square pole adapter #5 drilling (specify finish)
DSX0EGSR (FINISH)	External glare shield (specify finish)
DSX0SDB (FINISH)	Bird spike deterrent bracket (specify finish)

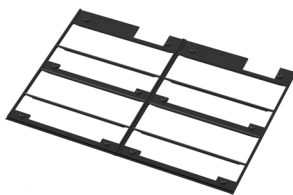
NOTES

- 1 Rotated optics available with packages P10, P11, P12 and P13. Must be combined with option L90 or R90.
- 2 30K, 40K, and 50K available in 70CRI and 80CRI. 27K and 35K only available with 80CRI. Contact Technical Support for other possible combinations.
- 3 T3LG, T4LG, BLC3, BLC4, LCCO, RCCO not available with option HS.
- 4 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 5 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 6 HVOLT not available with package P1, P2 and P10 when combined with option NLTAIR2 PIRHN or option PIR.
- 7 XVOLT operates with any voltage between 277V and 480V (50/60 Hz).
- 8 XVOLT not available in packages P1, P2 or P10. XVOLT not available with fusing (SF or DF).
- 9 SPAS and RPA5 for use with #5 drilling only (Not for use with #8 drilling).
- 10 WBA cannot be combined with Type 5 distributions plus photocell (PER).
- 11 NLTAIR2 and PIRHN must be ordered together. For more information on nLight Air 2.
- 12 NLTAIR2 PIRHN not available with other controls including PIR, PER, PER5, PER7, FAO, BL30, BL50 and DMG. NLTAIR2 PIRHN not available with P1, P2 and P10 using HVOLT. NLTAIR2 PIRHN not available with P1, P2 and P10 using XVOLT. NLTAIR2 PIRHN not available with P1 using MVOLT.
- 13 PIR not available with NLTAIR2, PER, PER5, PER7, FAO BL30, BL50 and DMG. PIR not available with P1, P2 and P10 using HVOLT. PIR not available with P1, P2 and P10 using XVOLT. PIR not available with P1 using MVOLT.
- 14 PER/PER5/PER7 not available with NLTAIR2, PIR, BL30, BL50. Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- 15 FAO not available with other dimming control options NLTAIR2 PIRHN, PIR, PER5, PER7, BL30, BL50, or DMG.
- 16 BL30 and BL50 are not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, FAO and DMG. BL30 or BL50 must specify 120 or 277V.
- 17 DMG not available with NLTAIR2 PIRHN, PIR, PER, PER5, PER7, BL30, BL50 and FAO.
- 18 Reference Motion Sensor Default Settings table on page 4 to see functionality.
- 19 Reference Controls Options table on page 4.
- 20 Option HS not available with T3LG, T4LG, BLC3, BLC4, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 21 CCE option not available with option BS and EGSR. Contact Technical Support for availability.
- 22 Option HA not available with performance packages P6, P7, P12 and P13.
- 23 Requires luminaire to be specified with PER, PER5 or PER7 option. See Controls Table on page 4.
- 24 Single fuse (SF) requires 120V, 277V, or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).

Shield Accessories



External Glare Shield (EGSR)

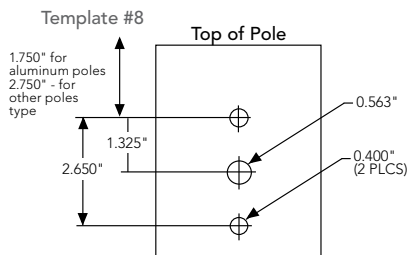
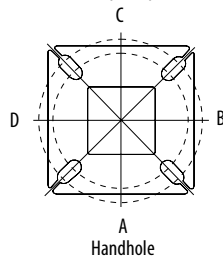


House Side Shield (HS)

Drilling

HANDHOLE ORIENTATION

(from top of pole)



Tenon Mounting Slipfitter

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

Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS
Minimum Acceptable Outside Pole Dimension							
SPA	#8	3.5"	3.5"	3.5"	3.5"		3.5"
RPA	#8	3"	3"	3"	3"	3"	3"
SPAS	#5	3"	3"	3"	3"		3"
RPA5	#5	3"	3"	3"	3"	3"	3"
SPA8N	#8	3"	3"	3"	3"		3"

DSX0 Area 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 DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type						
DSX0 with SPA	0.44	0.88	0.96	1.18	---	1.16
DSX0 with SPAS, SPA8N	0.51	1.02	1.06	1.26	---	1.29
DSX0 with RPA, RPA5	0.51	1.02	1.06	1.26	1.24	1.29
DSX0 with MA	0.64	1.28	1.24	1.67	1.70	1.93

Isofootcandle plots for the DSX0 LED P7 40K 70CRI. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

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

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

Projected LED Lumen Maintenance

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

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

Operating Hours	Lumen Maintenance Factor
0	1.00
25,000	0.94
50,000	0.89
100,000	0.80

FAO Dimming Settings

FAO Position	% Wattage	% Lumen Output
8	100%	100%
7	93%	95%
6	80%	85%
5	66%	73%
4	54%	61%
3	41%	49%
2	29%	36%
1	15%	20%

*Note: Calculated values are based on original performance package data. When calculating new values for given FAO position, use published values for each package based on input watts and lumens by optic type.

Electrical Load

	Performance Package	LED Count	Drive Current (mA)	Wattage	Current (A)					
					120V	208V	240V	277V	347V	480V
Forward Optics (Non-Rotated)	P1	20	530	34	0.28	0.16	0.14	0.12	0.10	0.07
	P2	20	700	45	0.38	0.22	0.19	0.16	0.13	0.09
	P3	20	1050	69	0.57	0.33	0.29	0.25	0.20	0.14
	P4	20	1400	94	0.78	0.45	0.39	0.34	0.27	0.19
	P5	40	700	89	0.75	0.43	0.38	0.33	0.26	0.19
	P6	40	1050	136	1.14	0.66	0.57	0.49	0.39	0.29
	P7	40	1300	170	1.42	0.82	0.71	0.62	0.49	0.36
Rotated Optics (Requires L90 or R90)	P10	30	530	51	0.42	0.24	0.21	0.18	0.15	0.11
	P11	30	700	67	0.57	0.33	0.28	0.25	0.20	0.14
	P12	30	1050	103	0.86	0.50	0.43	0.37	0.30	0.22
	P13	30	1300	129	1.07	0.62	0.54	0.46	0.37	0.27

LED Color Temperature / Color Rendering Multipliers

	70 CRI		80CRI		90CRI	
	Lumen Multiplier	Availability	Lumen Multiplier	Availability	Lumen Multiplier	Availability
5000K	102%	Standard	92%	Extended lead-time	71%	(see note)
4000K	100%	Standard	92%	Extended lead-time	67%	(see note)
3500K	100%	(see note)	90%	Extended lead-time	63%	(see note)
3000K	96%	Standard	87%	Extended lead-time	61%	(see note)
2700K	94%	(see note)	85%	Extended lead-time	57%	(see note)

Note: Some LED types are available as per special request. Contact Technical Support for more information.

Motion Sensor Default Settings

Option	Unoccupied Dimmed Level	High Level (when occupied)	Photocell Operation	Dwell Time	Ramp-up Time	Dimming Fade Rate
PIR	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min
NLTAIR2 PIRHN	30%	100%	Enabled @ 2FC	7.5 min	3 sec	5 min

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FAO	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FAO device	Cannot be used with other controls options that need the 0-10V leads
DS (not available on DSX0)	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire. Cannot be used with other controls options that need the 0-10V leads.
PIR	Motion sensor with integral photocell. Sensor suitable for 8' to 40' mounting height.	Luminaires dim when no occupancy is detected.	Acuity Controls rSBG	Cannot be used with other controls options that need the 0-10V leads.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSBG	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app. Cannot be used with other controls options that need the 0-10V leads.
BL30 or BL50	Integrated bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output	BLC device provides input to 0-10V dimming leads on all drivers providing either 100% or dimmed (30% or 50%) control by a secondary circuit	BLC UVOLT1	BLC device is powered off the 0-10V dimming leads, thus can be used with any input voltage from 120 to 480V

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K								
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)								
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW				
P1	33W	20	530	T1S	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				T2M	4,545	1	0	2	137	4,736	1	0	2	143	4,829	1	0	2	145				
				T3M	4,597	1	0	2	138	4,791	1	0	2	144	4,885	1	0	2	147				
				T3LG	4,107	1	0	1	124	4,280	1	0	1	129	4,363	1	0	1	131				
				T4M	4,666	1	0	2	141	4,863	1	0	2	146	4,957	1	0	2	149				
				T4LG	4,244	1	0	1	128	4,423	1	0	1	133	4,509	1	0	1	136				
				TFTM	4,698	1	0	2	141	4,896	1	0	2	147	4,992	1	0	2	150				
				T5M	4,801	3	0	1	145	5,003	3	0	1	151	5,101	3	0	1	154				
				T5W	4,878	3	0	1	147	5,084	3	0	2	153	5,183	3	0	2	156				
				T5LG	4,814	2	0	1	145	5,018	2	0	1	151	5,115	2	0	1	154				
				BLC3	3,344	0	0	1	101	3,485	0	0	1	105	3,553	0	0	1	107				
				BLC4	3,454	0	0	2	104	3,599	0	0	2	108	3,670	0	0	2	111				
				RCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				LCCO	3,374	0	0	1	102	3,517	0	0	1	106	3,585	0	0	1	108				
				AFR	4,906	1	0	1	148	5,113	1	0	1	154	5,213	1	0	1	157				
				P2	45W	20	700	T1S	6,328	1	0	1	140	6,595	1	0	1	146	6,724	1	0	1	149
								T2M	5,862	1	0	2	130	6,109	1	0	2	135	6,228	1	0	2	138
T3M	5,930	1	0					3	131	6,180	1	0	3	137	6,301	1	0	3	140				
T3LG	5,297	1	0					1	117	5,521	1	0	1	122	5,628	1	0	1	125				
T4M	6,018	1	0					3	133	6,272	1	0	3	139	6,395	1	0	3	142				
T4LG	5,474	1	0					1	121	5,705	1	0	1	126	5,816	1	0	1	129				
TFTM	6,060	1	0					3	134	6,316	1	0	3	140	6,439	1	0	3	143				
T5M	6,192	3	0					1	137	6,453	3	0	2	143	6,579	3	0	2	146				
T5W	6,293	3	0					2	139	6,558	3	0	2	145	6,686	3	0	2	148				
T5LG	6,210	2	0					1	138	6,472	3	0	1	143	6,598	3	0	1	146				
BLC3	4,313	0	0					2	96	4,495	0	0	2	100	4,583	0	0	2	102				
BLC4	4,455	0	0					2	99	4,643	0	0	2	103	4,733	0	0	2	105				
RCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
LCCO	4,352	0	0					2	96	4,536	0	0	2	100	4,624	0	0	2	102				
AFR	6,328	1	0					1	140	6,595	1	0	1	146	6,724	1	0	1	149				
P3	69W	20	1050					T1S	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139
								T2M	8,343	2	0	3	121	8,694	2	0	3	126	8,864	2	0	3	129
				T3M	8,439	2	0	3	122	8,795	2	0	3	128	8,967	2	0	3	130				
				T3LG	7,539	1	0	2	109	7,857	1	0	2	114	8,010	1	0	2	116				
				T4M	8,565	2	0	3	124	8,926	2	0	3	129	9,100	2	0	3	132				
				T4LG	7,790	1	0	2	113	8,119	1	0	2	118	8,277	1	0	2	120				
				TFTM	8,624	1	0	3	125	8,988	1	0	3	130	9,163	2	0	3	133				
				T5M	8,812	3	0	2	128	9,184	4	0	2	133	9,363	4	0	2	136				
				T5W	8,955	4	0	2	130	9,333	4	0	2	135	9,515	4	0	2	138				
				T5LG	8,838	3	0	1	128	9,211	3	0	1	134	9,390	3	0	1	136				
				BLC3	6,139	0	0	2	89	6,398	0	0	2	93	6,522	0	0	2	95				
				BLC4	6,340	0	0	3	92	6,607	0	0	3	96	6,736	0	0	3	98				
				RCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				LCCO	6,194	1	0	2	90	6,455	1	0	2	94	6,581	1	0	2	95				
				AFR	9,006	1	0	2	131	9,386	1	0	2	136	9,569	1	0	2	139				
				P4	93W	20	1400	T1S	11,396	1	0	2	122	11,877	1	0	2	128	12,109	2	0	2	130
								T2M	10,557	2	0	3	113	11,003	2	0	3	118	11,217	2	0	3	121
T3M	10,680	2	0					3	115	11,130	2	0	3	120	11,347	2	0	3	122				
T3LG	9,540	1	0					2	103	9,942	1	0	2	107	10,136	1	0	2	109				
T4M	10,839	2	0					3	117	11,296	2	0	3	121	11,516	2	0	4	124				
T4LG	9,858	1	0					2	106	10,274	1	0	2	110	10,474	1	0	2	113				
TFTM	10,914	2	0					3	117	11,374	2	0	3	122	11,596	2	0	3	125				
T5M	11,152	4	0					2	120	11,622	4	0	2	125	11,849	4	0	2	127				
T5W	11,332	4	0					3	122	11,811	4	0	3	127	12,041	4	0	3	129				
T5LG	11,184	3	0					1	120	11,656	3	0	2	125	11,883	3	0	2	128				
BLC3	7,768	0	0					2	83	8,096	0	0	2	87	8,254	0	0	2	89				
BLC4	8,023	0	0					3	86	8,362	0	0	3	90	8,524	0	0	3	92				
RCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
LCCO	7,838	1	0					2	84	8,169	1	0	2	88	8,328	1	0	2	90				
AFR	11,396	1	0					2	122	11,877	1	0	2	128	12,109	2	0	2	130				

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 configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Forward Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P5	90W	40	700	T1S	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				T2M	11,468	2	0	3	127	11,952	2	0	3	133	12,185	2	0	3	135
				T3M	11,601	2	0	3	129	12,091	2	0	3	134	12,326	2	0	4	137
				T3LG	10,363	2	0	2	115	10,800	2	0	2	120	11,011	2	0	2	122
				T4M	11,774	2	0	4	131	12,271	2	0	4	136	12,510	2	0	4	139
				T4LG	10,709	1	0	2	119	11,160	2	0	2	124	11,378	2	0	2	126
				TFTM	11,856	2	0	3	132	12,356	2	0	4	137	12,596	2	0	4	140
				T5M	12,114	4	0	2	134	12,625	4	0	2	140	12,871	4	0	2	143
				T5W	12,310	4	0	3	137	12,830	4	0	3	142	13,080	4	0	3	145
				T5LG	12,149	3	0	2	135	12,662	3	0	2	141	12,908	3	0	2	143
				BLC3	8,438	0	0	2	94	8,794	0	0	2	98	8,966	0	0	2	99
				BLC4	8,715	0	0	3	97	9,083	0	0	3	101	9,260	0	0	3	103
				RCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				LCCO	8,515	1	0	2	94	8,874	1	0	2	98	9,047	1	0	2	100
				AFR	12,380	2	0	2	137	12,902	2	0	2	143	13,154	2	0	2	146
				P6	137W	40	1050	T1S	17,545	2	0	3	128	18,285	2	0	3	133	18,642
T2M	16,253	3	0					4	119	16,939	3	0	4	124	17,269	3	0	4	126
T3M	16,442	2	0					4	120	17,135	3	0	4	125	17,469	3	0	4	128
T3LG	14,687	2	0					2	107	15,306	2	0	2	112	15,605	2	0	2	114
T4M	16,687	2	0					4	122	17,391	3	0	5	127	17,730	3	0	5	129
T4LG	15,177	2	0					2	111	15,817	2	0	2	115	16,125	2	0	2	118
TFTM	16,802	2	0					4	123	17,511	2	0	4	128	17,852	2	0	5	130
T5M	17,168	4	0					2	125	17,893	5	0	3	131	18,241	5	0	3	133
T5W	17,447	5	0					3	127	18,183	5	0	3	133	18,537	5	0	3	135
T5LG	17,218	4	0					2	126	17,944	4	0	2	131	18,294	4	0	2	134
BLC3	11,959	0	0					3	87	12,464	0	0	3	91	12,707	0	0	3	93
BLC4	12,352	0	0					4	90	12,873	0	0	4	94	13,124	0	0	4	96
RCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
LCCO	12,067	1	0					3	88	12,576	1	0	3	92	12,821	1	0	3	94
AFR	17,545	2	0					3	128	18,285	2	0	3	133	18,642	2	0	3	136
P7	171W	40	1300					T1S	20,806	2	0	3	122	21,683	2	0	3	127	22,106
				T2M	19,273	3	0	4	113	20,086	3	0	4	118	20,478	3	0	4	120
				T3M	19,497	3	0	5	114	20,319	3	0	5	119	20,715	3	0	5	121
				T3LG	17,416	2	0	2	102	18,151	2	0	2	106	18,504	2	0	2	108
				T4M	19,787	3	0	5	116	20,622	3	0	5	121	21,024	3	0	5	123
				T4LG	17,997	2	0	2	105	18,756	2	0	2	110	19,121	2	0	2	112
				TFTM	19,924	3	0	5	117	20,765	3	0	5	122	21,170	3	0	5	124
				T5M	20,359	5	0	3	119	21,217	5	0	3	124	21,631	5	0	3	127
				T5W	20,689	5	0	3	121	21,561	5	0	3	126	21,982	5	0	3	129
				T5LG	20,418	4	0	2	120	21,279	4	0	2	125	21,694	4	0	2	127
				BLC3	14,182	0	0	3	83	14,780	0	0	3	87	15,068	0	0	3	88
				BLC4	14,647	0	0	4	86	15,265	0	0	4	89	15,562	0	0	4	91
				RCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				LCCO	14,309	1	0	3	84	14,913	1	0	3	87	15,204	1	0	3	89
				AFR	20,806	2	0	3	122	21,683	2	0	3	127	22,106	2	0	3	129

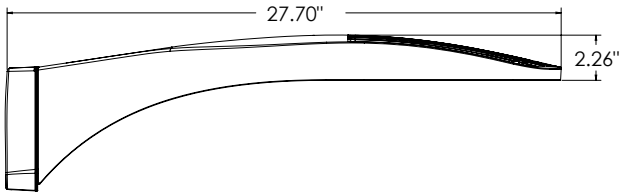
Performance Data

Lumen Output

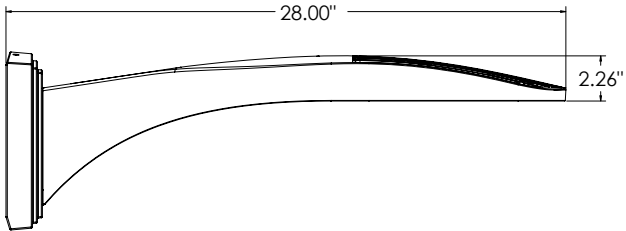
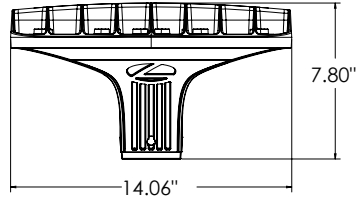
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of configurations shown within the tolerances described within LM-79. Contact factory for performance data on any configurations not shown here.

Rotated Optics																			
Performance Package	System Watts	LED Count	Drive Current (mA)	Distribution Type	30K					40K					50K				
					(3000K, 70 CRI)					(4000K, 70 CRI)					(5000K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P10	51W	30	530	T1S	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				T2M	6,854	3	0	3	135	7,144	3	0	3	140	7,283	3	0	3	143
				T3M	6,933	3	0	3	136	7,225	3	0	3	142	7,366	3	0	3	145
				T3LG	6,194	2	0	2	122	6,455	2	0	2	127	6,581	2	0	2	129
				T4M	7,036	3	0	3	138	7,333	3	0	3	144	7,476	3	0	3	147
				T4LG	6,399	2	0	2	126	6,669	2	0	2	131	6,799	2	0	2	134
				TFTM	7,086	3	0	3	139	7,385	3	0	3	145	7,529	3	0	3	148
				T5M	7,239	3	0	2	142	7,545	3	0	2	148	7,692	3	0	2	151
				T5W	7,357	3	0	2	145	7,667	3	0	2	151	7,816	4	0	2	154
				T5LG	7,260	3	0	1	143	7,567	3	0	1	149	7,714	3	0	1	152
				BLC3	5,043	3	0	3	99	5,256	3	0	3	103	5,358	3	0	3	105
				BLC4	5,208	3	0	3	102	5,428	3	0	3	107	5,534	3	0	3	109
				RCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				LCCO	5,089	0	0	2	100	5,303	0	0	2	104	5,407	0	0	2	106
				AFR	7,399	3	0	3	145	7,711	3	0	3	151	7,862	3	0	3	154
				P11	68W	30	700	T1S	9,358	3	0	3	138	9,753	3	0	3	143	9,943
T2M	8,669	3	0					3	127	9,034	3	0	3	133	9,211	3	0	3	135
T3M	8,768	3	0					3	129	9,138	3	0	3	134	9,316	3	0	3	137
T3LG	7,833	3	0					3	115	8,164	3	0	3	120	8,323	3	0	3	122
T4M	8,899	3	0					3	131	9,274	3	0	3	136	9,455	3	0	3	139
T4LG	8,093	3	0					3	119	8,435	3	0	3	124	8,599	3	0	3	126
TFTM	8,962	3	0					3	132	9,340	3	0	3	137	9,522	3	0	3	140
T5M	9,156	4	0					2	135	9,542	4	0	2	140	9,728	4	0	2	143
T5W	9,304	4	0					2	137	9,696	4	0	2	143	9,885	4	0	2	145
T5LG	9,182	3	0					1	135	9,569	3	0	1	141	9,756	3	0	1	143
BLC3	6,378	3	0					3	94	6,647	3	0	3	98	6,777	3	0	3	100
BLC4	6,587	3	0					3	97	6,865	3	0	3	101	6,999	3	0	3	103
RCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
LCCO	6,436	0	0					2	95	6,707	0	0	2	99	6,838	0	0	2	101
AFR	9,358	3	0					3	138	9,753	3	0	3	143	9,943	3	0	3	146
P12	103W	30	1050					T1S	13,247	3	0	3	128	13,806	3	0	3	134	14,075
				T2M	12,271	4	0	4	119	12,789	4	0	4	124	13,038	4	0	4	126
				T3M	12,412	4	0	4	120	12,935	4	0	4	125	13,187	4	0	4	128
				T3LG	11,089	3	0	3	107	11,556	3	0	3	112	11,782	3	0	3	114
				T4M	12,597	4	0	4	122	13,128	4	0	4	127	13,384	4	0	4	129
				T4LG	11,457	3	0	3	111	11,940	3	0	3	116	12,173	3	0	3	118
				TFTM	12,686	4	0	4	123	13,221	4	0	4	128	13,479	4	0	4	130
				T5M	12,960	4	0	2	125	13,507	4	0	2	131	13,770	4	0	2	133
				T5W	13,170	4	0	3	127	13,726	4	0	3	133	13,994	4	0	3	135
				T5LG	12,998	3	0	2	126	13,546	3	0	2	131	13,810	3	0	2	134
				BLC3	9,029	3	0	3	87	9,409	3	0	3	91	9,593	3	0	3	93
				BLC4	9,324	4	0	4	90	9,718	4	0	4	94	9,907	4	0	4	96
				RCCO	9,110	1	0	2	88	9,495	1	0	2	92	9,680	1	0	2	94
				LCCO	9,110	1	0	2	88	9,494	1	0	2	92	9,680	1	0	2	94
				AFR	13,247	3	0	3	128	13,806	3	0	3	134	14,075	3	0	3	136
				P13	129W	30	1300	T1S	15,704	3	0	3	122	16,366	3	0	3	127	16,685
T2M	14,547	4	0					4	113	15,161	4	0	4	118	15,457	4	0	4	120
T3M	14,714	4	0					4	114	15,335	4	0	4	119	15,634	4	0	4	121
T3LG	13,145	3	0					3	102	13,700	3	0	3	106	13,967	3	0	3	108
T4M	14,933	4	0					4	116	15,563	4	0	4	121	15,867	4	0	4	123
T4LG	13,582	3	0					3	105	14,155	3	0	3	110	14,431	3	0	3	112
TFTM	15,039	4	0					4	117	15,673	4	0	4	122	15,979	4	0	4	124
T5M	15,364	4	0					2	119	16,013	4	0	2	124	16,325	4	0	2	127
T5W	15,613	5	0					3	121	16,272	5	0	3	126	16,589	5	0	3	129
T5LG	15,409	3	0					2	120	16,059	3	0	2	125	16,372	4	0	2	127
BLC3	10,703	4	0					4	83	11,155	4	0	4	87	11,372	4	0	4	88
BLC4	11,054	4	0					4	86	11,520	4	0	4	89	11,745	4	0	4	91
RCCO	10,800	1	0					2	84	11,256	1	0	2	87	11,475	1	0	3	89
LCCO	10,800	1	0					2	84	11,255	1	0	2	87	11,475	1	0	3	89
AFR	15,704	3	0					3	122	16,366	3	0	3	127	16,685	4	0	4	130

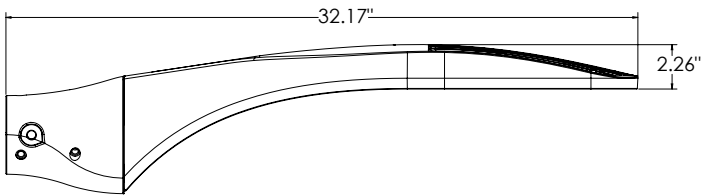
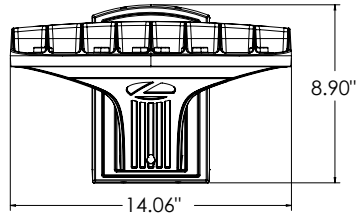
Dimensions



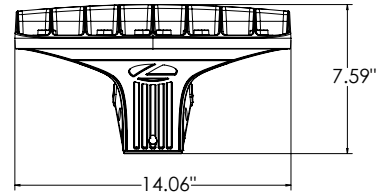
DSX0 with RPA, RPA5, SPA5, SPA8N mount
Weight: 25 lbs



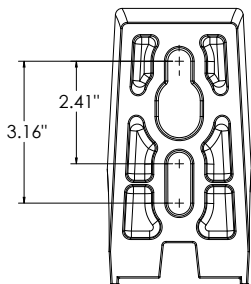
DSX0 with WBA mount
Weight: 27 lb



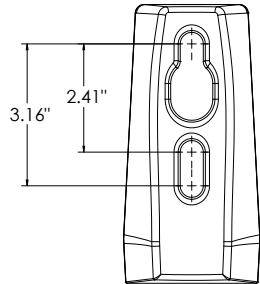
DSX0 with MA mount
Weight: 28 lbs



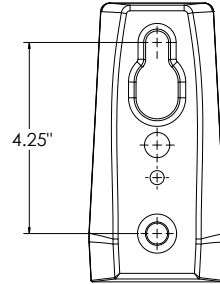
SPA (STANDARD ARM)



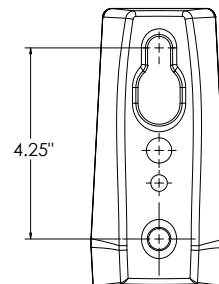
RPA



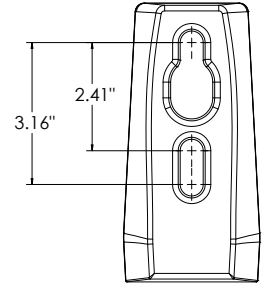
SPA5



RPA5

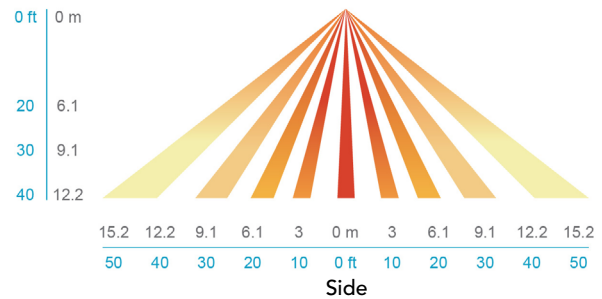
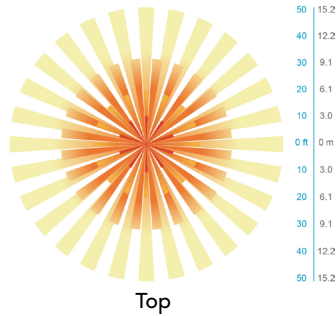


SPA8N



nLight Sensor Coverage Pattern

NLTAIR2 PIRHN



FEATURES & SPECIFICATIONS

INTENDED USE

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

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing driver compartment is completely sealed against moisture and environmental contaminants (IP66). Vibration rated per ANSI C136.31 for 3G. Low EPA (0.44 ft²) for optimized pole wind loading.

FINISH

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

COASTAL CONSTRUCTION (CCE)

Optional corrosion resistant construction is engineered with added corrosion protection in materials and/or pre-treatment of base material under super durable paint. Provides additional corrosion protection for applications near coastal areas. Finish is salt spray tested to over 5,000 hours per ASTM B117 with scribe rating of 10. Additional lead-times may apply.

OPTICS

Precision-molded proprietary silicone lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in 3000 K, 4000 K or 5000 K (70 CRI) configurations. 80CRI configurations are also available. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L80/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX0 LED area luminaire has a number of control options. DSX Size 0, comes standard with 0-10V dimming driver. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. PIR integrated motion sensor with on-board photocell feature field-adjustable programming and are suitable for mounting heights up to 40 feet. Control option BL features a bi-level device that allows a second control circuit to switch all light engines to either 30% or 50% light output.

nLIGHT AIR CONTROLS

The DSX0 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 and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires 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 Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral mounting arm allows for fast mounting using Lithonia standard #8 drilling and accommodates pole drilling's from 2.41 to 3.12" on center. The standard "SPA" option for square poles and the "RPA" option for round poles use the #8 drilling. For #5 pole drillings, use SPA5 or RPA5. Additional mountings are available including a wall bracket (WBA) and mast arm (MA) option that allows luminaire attachment to a 2 3/8" horizontal mast arm.

LISTINGS

UL listed to meet U.S. and Canadian standards. UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP66 rated. 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.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.



d^{series}

D-Series DSXF1 LED Floodlight



Catalog
Number

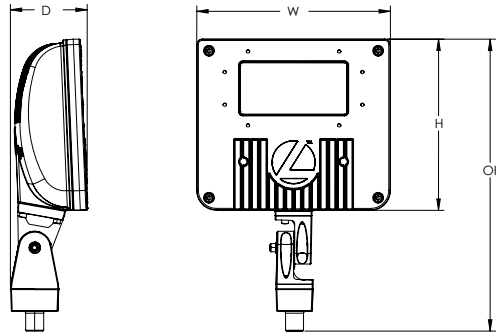
Notes

Type

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

Specifications

EPA:	0.6 ft ² (0.05 m ²)
Depth:	3.52" (8.9 cm)
Width:	8.86" (22.5 cm)
Height:	7.84" (19.9 cm)
Overall Height:	13.37" (34.0 cm)
Weight:	7.2 lbs (3.3 kg)



Introduction

The D-Series floodlights feature a site-wide offering to meet specifier's every floodlighting need in application. The D-Series flood offers three sizes delivering 3,000 to 27,000 lumens. Available with seven precision optics, three mountings and three color temperatures, D-Series floodlights offer vast design capabilities while delivering significant energy savings and long life.

The DSXF1 delivers 3,000 to 5,500 lumens, meeting a large breadth of illumination requirements for design and renovation when replacing 70W to 150W HID floodlights. All configurations are assembled in the USA allowing for quick delivery.

Ordering Information

EXAMPLE: DSXF1 LED P1 40K MSP MVOLT THK DDBXD

DSXF1 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
DSXF1 LED	P1	30K 3000K	WFL Wide flood (6X6)	MVOLT ¹	Shipped included THK Knuckle with 1/2" NPT threaded pipe IS Integral slipfitter (fits 2-3/8" O.D. tenon) YKC62 Yoke with 2ft 16-3 SO cord TBD
	P2	40K 4000K	FL Flood (5X5)	347	
		50K 5000K	MFL Medium flood (4X4)		
			WFR Wide flood rectangular (6X5) HMF Horizontal medium flood (6X4) MSP Medium spot (4X4) NSP Narrow spot (3X3)		

Options		Finish (required)
Shipped installed		DDBXD Dark bronze
PE Photocontrol, button style ²		DBLXD Black
DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)		DNAXD Natural aluminum
SPD10KV Separate surge protection		DWHXD White
CCE Coastal Construction		
Shipped separately³		
UBV Upper/bottom visor (universal)		
FV Full visor		
VG Vandal guard		

Accessories³

Ordered and shipped separately.

DSXF1/2TS DDBXD U	Slipfitter for 1-1/4" to 2-3/8" OD tenons; 1/2" THK required (specify finish)
FTS CG6 DDBXD U	Slipfitter for 2-3/8" to 2-7/8" OD tenons; YKC62 required (specify finish)
FRWB DDBXD U	Radius wall bracket, 2-3/8" OD tenon (specify finish)
FSPB DDBXD U	Steel square pole bracket, 2-3/8" OD tenon (specify finish)
DSXF1UBV DDBXD U	Upper/bottom visor accessory (specify finish)
DSXF1FV DDBXD U	Full visor accessory (specify finish)
DSXF1VG U	Vandal guard accessory

For more mounting options, visit our [Floodlighting Accessories](#) pages.

NOTES

- MVOLT driver operates on line voltage from 120-277V.
- Requires MVOLT or 347V (not available in 480V).
- Also available as accessories; see Accessories information at left.



Mountings



IS - Adjustable Slipfitter
(Fits 2-3/8" O.D. tenon)



**YKC62 - Yoke with 16-3
SO cord, 2ft**



**THK - Threaded Knuckle with
1/2" NPT threaded pipe**

External Shields



**UBV Visor
Top Mounted**



**UBV Visor
Bottom Mounted**



FV - Full Visor

Accessories



VG - Vandal Guard



**DSXF1/2TS - THK
Slipfitter Accessory**

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 applicable tolerances. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
			°H	°V	°H	°V	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd
			P1	21W	NSP	37	38	18	19	2,601	124	16,316	2,876	137	18,039
		MSP	51	51	27	28	2,578	123	9,908	2,850	136	10,954	2,850	136	10,954
		MFL	60	60	46	45	2,435	116	4,027	2,692	128	4,452	2,692	128	4,452
		FL	84	91	59	72	2,682	128	2,255	2,965	141	2,494	2,965	141	2,494
		WFL	109	101	86	85	2,766	132	1,494	3,058	146	1,652	3,058	146	1,652
		WFR	103	92	80	71	2,794	133	1,809	3,089	147	2,000	3,089	147	2,000
		HMF	124	63	100	48	2,329	111	2,001	2,575	123	2,212	2,575	123	2,212
P2	42W	NSP	37	38	18	19	4,741	113	29,740	5,242	125	32,881	5,242	125	32,881
		MSP	51	51	27	28	4,699	112	18,060	5,195	124	19,967	5,195	124	19,967
		MFL	60	50	46	45	4,439	106	7,340	4,908	117	8,115	4,908	117	8,115
		FL	84	91	59	72	4,889	116	4,111	5,406	129	4,545	5,405	129	4,545
		WFL	109	101	86	85	4,753	113	2,568	5,573	133	3,011	5,573	133	3,011
		WFR	103	92	80	71	5,094	121	3,297	5,631	134	3,645	5,632	134	3,645
		HMF	124	63	100	48	4,245	101	3,647	4,693	112	4,032	4,693	112	4,032

Lumen Ambient Temperature (LAT) Multipliers

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

Ambient	
0°C	32°F
10°C	50°F
20°C	68°F
25°C	77°F
30°C	86°F
40°C	104°F

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXF1 LED P2** platform noted in a 25C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

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

TM-21 Percent Lumen Maintenance	60,000 hrs
Lumen Maintenance Factor	>88%

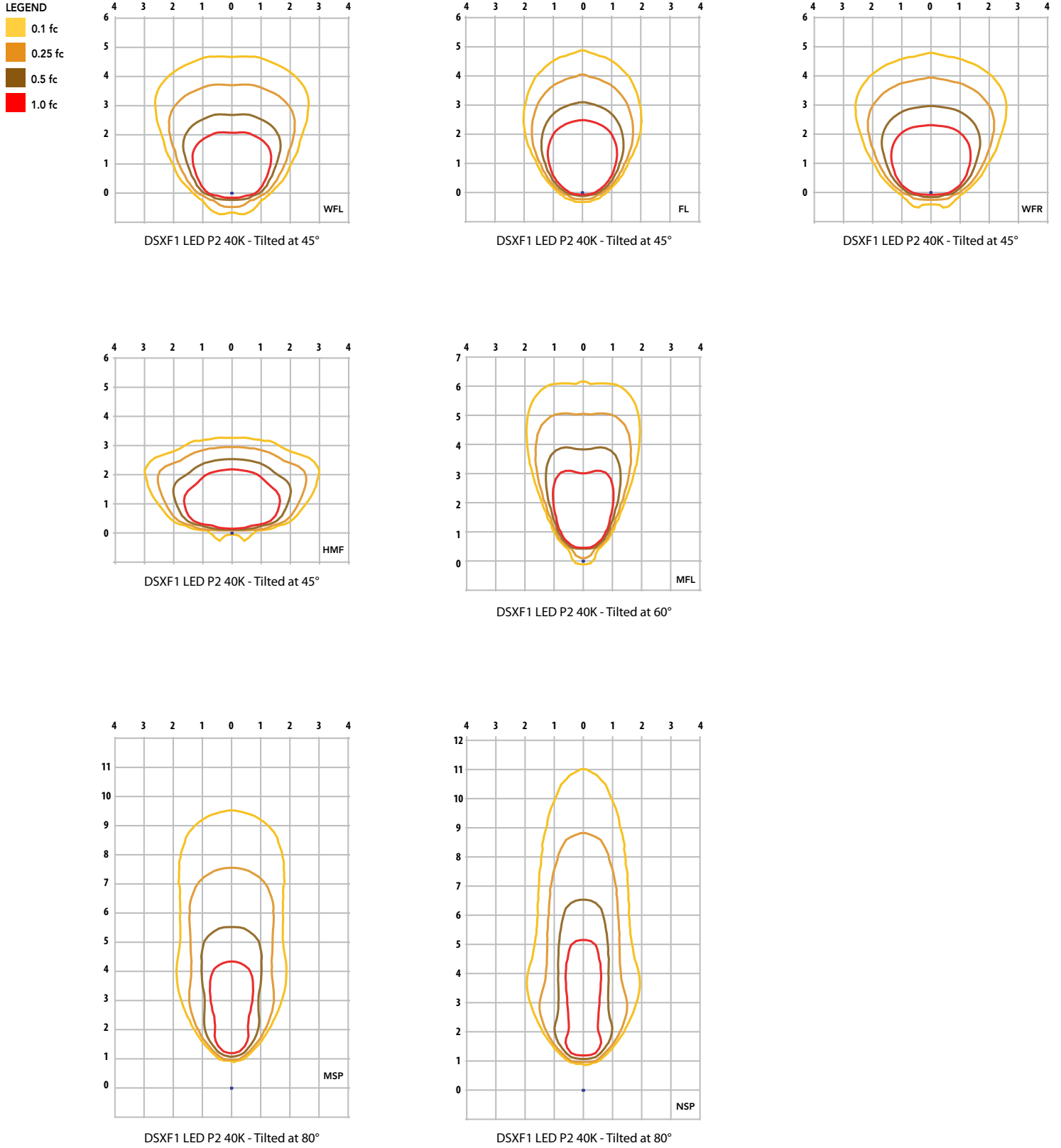
Electrical Load

Light Engines	System Watts	Current (A)					
		120	208	240	277	347	480
P1	21W	0.18	0.1	0.09	0.08	0.07	-
P2	42W	0.35	0.20	0.18	0.15	0.12	-

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Flood Size 1 homepage](#).

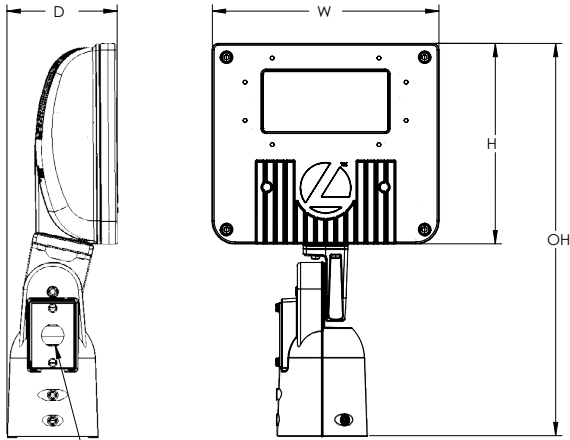
Isofootcandle plots for DSXF1. Distances are in units of mounting height (15ft).



MH = 15ft
Grid = 15ft x 15ft

Dimensions

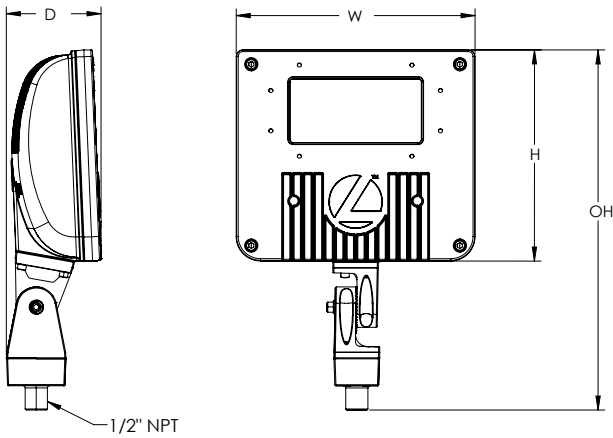
Adjustable Slipfitter (IS)



Width: 8.86" (22.5 cm)
 Depth: 4.32" (11.0 cm)
 Height: 7.84" (19.9 cm) main body
 Overall: 15.35" (39.0 cm) with arm
 Weight: 7.7 lbs

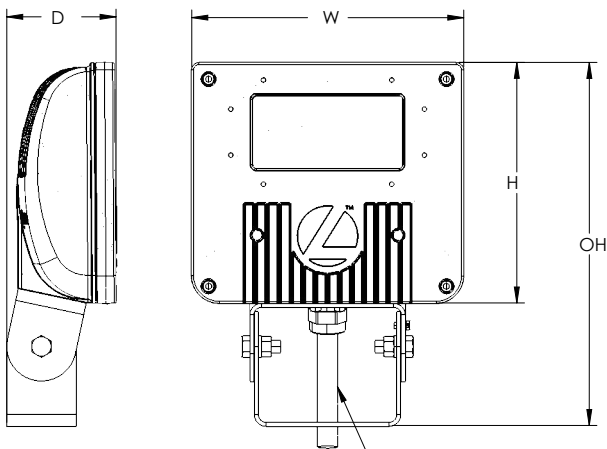
Qty (2) - splice covers included (includes one with 7/8" thru-hole allowing conduit from exterior)

Threaded Knuckle (THK)



Width: 8.86" (22.5 cm)
 Depth: 3.52" (8.9 cm)
 Height: 7.84" (19.9 cm) main body
 Overall: 13.37" (34.0 cm) with arm
 Weight: 7.2 lbs

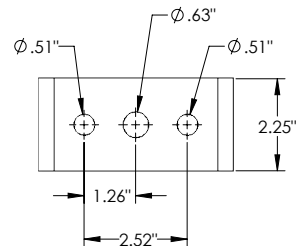
Yoke (YKC62)



Width: 8.86" (22.5 cm)
 Depth: 3.56" (9.0 cm)
 Height: 7.84" (19.9 cm) main body
 Overall: 11.84" (30.0 cm) with arm
 Weight: 7.5 lbs

Note: Standard cord is 16-3 wire, 2 ft cord. Other lengths can be specified.
 Ex: YKC62
 YK = Yoke Mount
 C6 = 16 gage, 3 wire cord
 2 = 2 feet (5 = 5ft, 6 = 6ft, etc.)

Yoke (YK) Mounting Detail



Pole Mounting Information

Accessories including bullhorns, cross arms and other adapters are available. For the complete line of accessories available, visit the accessories tab at Lithonia's Outdoor Poles and Arms product page. [Click here to visit Accessories.](#)

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek and compact design of the D-Series floodlights reflects the embedded high performance LED technology while offering a clean aesthetic suitable for specification and general purpose floodlighting applications. Three sizes are available with seven precision optics allowing for maximum design versatility. DSXF1 delivers 3,000 to 5,500 lumens and is ideal for commercial lighting applications including new construction and replacing 70W to 150W HID floodlights. DSXF1 is ideal for security, facade, flagpole, column grazing and signage lighting applications.

CONSTRUCTION

The DSXF1 LED floodlight features rugged die-cast aluminum construction with integral heat sink fins that optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. The housing and lens frame are completely sealed against moisture and environmental contaminants providing an IP66 rating. Low EPA (0.8 ft2) for optimized wind loading. DSXF1 is 1.5G vibration rated per ANSI C136.31.

FINISH

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

OPTICS

Seven unique precision-molded vacuum-metalized specular reflectors are engineered for superior field-to-beam ratios, uniformity and spacing. Light engines are available in 3000K, 4000K or 5000K (minimum 70 CRI) configurations. Optional visors offer additional versatility when shielding is required.

ELECTRICAL

Light engines consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life. LED lumen maintenance is L88/60,000 hours. Class 1 electronic 0-10V continuous dimming drivers ensure system power factor: 90% and THD <20%. Optional 10kV surge protection device meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

CONTROLS

DSXF2 features MVOLT (120-277V) and 347V button photocontrol.

INSTALLATION

The die-cast integral "IS" mount features an adjustable slipfitter that mounts on a 2 3/8" OD tenon. Includes integral splice compartment offering easy installation and wiring. An extra cover plate with 7/8" through hole is provided to accommodate 1/2" water-tight fitting for power run from outside of the tenon. The "THK" adjustable knuckle mount includes a 1/2-14 NPT pipe thread. A steel yoke "YK" mount is available and includes a water tight cord grip and cord. DSXF1 features a glass lens enclosure that is protected to IP66 and is rated for lighting aimed up above 90°. Suitable for mounting within 4 feet of ground.

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.

GOVERNMENT PROCUREMENT

BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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.

