# 2230 PENNSYLVANIA AVENUE PARKING LOT CONSTRUCTION

# CITY OF MADISON DANE COUNTY, WISCONSIN

MARCH 2025

# DRAWING INDEX

# SITE IMPROVEMENT SHEETS

C000 TITLE SHEET

V001 EXISTING CONDITIONS SURVEY

C200 GRADING & EROSION CONTROL PLAN

C201 DETAIL GRADING PLAN
C202 DETAIL GRADING PLAN

C300 UTILITY PLAN

C400 DETAILS LANDSCAPE PLAN PROJECT LOCATION

PROJECT AREA

SCALE: 1"=250'



VTY, WI DANE MADISON

0' 125' 250' 375

03/27/2025

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# LEGEND (PROPOSED)



CONCRETE PAVEMENT
STORMWATER TREATMENT FACILITY

### **GENERAL NOTES**

- 1. UNDERLYING SITE CONTOURS AND INFORMATION BASED ON TOPOGRAPHIC & UTILITY DATA AS SURVEYED BY WYSER ENGINEERING ON JUNE 12 AND 13, 2023. WYSER ENGINEERING SHALL NOT BE HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY ARISE AS A RESULT OF ERRONEOUS OR INCOMPLETE INFORMATION PROVIDED BY OTHERS. CONTRACTOR TO CONFIRM ALL ELEVATIONS, GENERAL DRAINAGE AND EARTHWORK REQUIREMENTS PRIOR TO CONSTRUCTION.
- 2. THE BENCHMARK LOCATIONS ARE SHOWN FOR REFERENCE ONLY ON THIS PLAN. THE BENCHMARKS SHALL BE VALIDATED BY LICENSED LAND SURVEYOR PRIOR TO CONSTRUCTION. CONTRACTOR ASSUMES RISK ASSOCIATED WITH BENCHMARK ELEVATIONS UNTIL CONFIRMED.
- 3. CONTRACTOR TO OBTAIN APPROPRIATE PERMITS FOR STREET OPENINGS & TO WORK WITHIN THE CITY'S LAND AND EASEMENTS AS REQUIRED.
- 4. WYSER ENGINEERING SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER OR CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY REGULATORY AGENCIES.
- 5. IF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WITHIN THE PLAN BECOME APPARENT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
- 6. ALL MUNICIPAL UTILITY CONNECTIONS, WORK IN ROW, PUBLIC OUTLOTS AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND SEPARATE PLANS ISSUED BY THE CITY OF MADISON.

### SITE INFORMATION BLOCK:

SITE ADDRESS: 2230 PENNSYLVANIA AVENUE SITE ACREAGE: 116,135 SQ.FT. (2.67 AC) USE OF PROPERTY: PRIVATE PARKING LOT ZONING: INDUSTRIAL - LIMITED (IL)

TOTAL NUMBER OF PARKING STALLS: 229 NUMBER OF STALLS DESIGNATED ACCESSIBLE: 7

TOTAL NUMBER OF BIKE STALLS: 6
TOTAL NUMBER OF MOTORCYCLE STALLS: 2

EXISTING IMPERVIOUS SURFACE AREA: 87,119 SQ.FT. ROOFTOP: 0 SQ.FT. PAVED: 87,119 SQ.FT.

POSTDEVELOPMENT IMPERVIOUS SURFACE AREA: 75,468 SQ.FT. ROOFTOP: 0 SQ.FT.

PAVED: 75,468 SQ. FT.
PROPOSED LOT COVERAGE: 65.0%

MAXIMUM LOT COVERAGE 75%

EXISTING LOT COVERAGE: 75.0%



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			2230 PENNSYLVANIA AVENUE Madison, Wi 53704
PENNSYLVANIA AVENUE PARKING LOT		CITY OF MADISON, DANE COUNTY, WI	Sheet Title: SITE PLAN
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# LEGEND (PROPOSED)

18" CURB AND GUTTER ASPHALT PAVEMENT CONCRETE PAVEMENT PROPOSED MAJOR CONTOUR ------ STM ------- PROPOSED STORM SEWER SILT FENCE

INLET PROTECTION



Toll Free (800) 242-8511 -or- 811 www.DiggersHotline.com

# **GENERAL NOTES**

THE CITY OF MADISON.

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### **CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS**

- 1. POST WDNR CERTIFICATE OF PERMIT COVERAGE AND MUNICIPAL EROSION CONTROL PERMITS ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- 2. KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- 3. ENGINEER / CITY OF MADISON / WDNR HAS THE RIGHT TO REQUIRE CONTRACTOR TO IMPLEMENT ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY. CONTRACTOR MUST NOTIFY THE CITY OF MADISON BUILDING INSPECTOR TO SCHEDUAL A PRECONSTRUCTION MEETING FOR A MINIMUM OF TWO (2) WORKING DAYS IN ADVANCE OF ANY SOIL DISTURBANCE ACTIVITIES. CONTRACTOR IS REQUIRED TO PROVIDE WEEKLY INSPECTIONS TO THE CITY OF MADISON.
- 4. SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION
- 5. THE SITE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- 6. INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- 7. WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- 8. REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT

http://dnr.wi.gov/topic/stormwater/standards/const\_standards.html

- 9. INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S)
- 10. INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060 AND DANE COUNTY REQUIREMENTS FOR FRAMED INLET PROTECTION.
- 11. CONTRACTOR TO PROVIDE SOLID LID OR METAL PLATE ON ALL OPEN MANHOLES DURING CONSTRUCTION TO MINIMIZE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM.
- 12. STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- 13. PERMITTING OF GROUNDWATER DEWATERING IS THE RESPONSIBILITY OF THE CONTRACTOR, GROUNDWATER DEWATERING IS SUBJECT TO A DNR WASTEWATER DISCHARGE PERMIT AND A DNR HIGH CAPACITY WELL APPROVAL IF CUMULATIVE PUMP CAPACITY IS 70 GPM OR
- 14. PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. PERFORM DEWATERING OF ACCUMULATED
- SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061. 15. CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION.
- REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION # 1004.
- FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER
- 17. REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- 18. INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS # 1071.
- 19. IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- 20. IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- 21. STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- 22. SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE AUTHORITIES WITH JURISDICTION. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND
- 23. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES
- 24. PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- 25. COORDINATE WITH THE AUTHORITIES WITH JURISDICTION TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
- 26. FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS CLASS I TYPE B EROSION CONTROL MATTING. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
- 27. FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS. PROVIDE CLASS II TYPE B EROSION CONTROL MATTING UNLESS OTHERWISE SPECIFIED ON THE PLAN. INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- 28. MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER
- MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR. 29. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE WDNR REMEDIATION AND WASTE MANAGEMENT REQUIREMENTS FOR HANDLING AND DISPOSING OF CONTAMINATED MATERIALS. SITE-SPECIFIC INFORMATION FOR AREAS WITH KNOWN OR SUSPECTED SOIL AND/OR GROUNDWATER CONTAMINATION CAN BE FOUND ON WDNR'S BUREAU OF REMEDIATION AND REDEVELOPMENT RACKING SYSTEM (BRRTS) PUBLIC DATABASE AT: http://dnr.wi.gov/botw/
- 30. INSTALL AND MAINTAIN A CONCRETE WASHOUT BASIN PER EPA 833-F-11-006: <a href="https://www3.epa.gov/npdes/pubs/concretewashout.pdf">https://www3.epa.gov/npdes/pubs/concretewashout.pdf</a>
  REQUIRE USE BY ALL CONCRETE CONTRACTORS. LIQUID MAY BE REUSED IN CONCRETE MIXING, EVAPORATED, OR DISPOSED OF AS

# **GRADING, SEEDING & RESTORATION NOTES**

- 1. ALL GRADES SHOWN ARE FINAL FINISHED SURFACE GRADES.
- 2. AREAS TO BE SEEDED SHALL HAVE A MINIMUM 6 INCHES TOPSOIL UNLESS OTHERWISE NOTED.
- 3. AREAS NOT RESTORED WITH EROSION MATTING OR OTHER STABILIZATION MEASURES SHALL BE STABILIZED WITH MULCH.
- 4. APPLY ANIONIC POLYMER TO DISTURBED AREAS IF EROSION BECOMES PROBLEMATIC.
- 5. MULCH SHALL BE WEED-FREE STRAW AND SHALL BE INSTALLED AT THE RATE OF 2 TONS PER ACRE PER SECTION 627 OF "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" (WISDOT 2014)
- PERMANENT SEEDING SHALL NOT OCCUR BETWEEN SEPTEMBER 15TH AND APRIL 15TH. ALTERNATE SEEDING/PLANTING METHODS AND/OR EROSION PROTECTION MAY BE NECESSARY FOR SEEDING/PLANTING THAT OCCURS DURING THAT TIME. COORDINATE WITH THE OWNER AS NECESSARY.
- 7. TEMPORARY STABILIZATION SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING OPTIONS: TEMPORARY SEEDING CONSISTING OF ANNUAL RYE GRASS APPLIED AT A RATE OF 1.5 LBS PER 1000 SQUARE FEET, WISDOT PAL CLASS I TYPE B URBAN EROSION CONTROL MAT.

		BENCHMARK TABLE
Л - #	ELEVATION	DESCRIPTION
M - 1	854.65	TOP NUT OF HYDRANT 140' NORTH OF THE SE CORNER OF SITE, ON WEST SIDE OF PENNSYLVANIA AVE.
M - 2	853.43	TOP NUT OF HYDRANT 150' NORTH OF THE NE CORNER OF SITE, ON WEST SIDE OF PENNSYLVANIA AVE.



MADISON, DANE COUNTY, WI	
ITY OF MAD	)   Title:

Revisions

Scale

Number

Туре

No. Date:

Description:

10' 20' 3

23-1081

03/27/2025

REVIEW

NOTE:
SPOT GRADES ARE AS FOLLOWS:
FFE - FINISHED FLOOR GRADE
EP - EDGE OF ASPHALT PAVEMENT
EC - EDGE OF CONCRETE PAVEMENT
EG - EDGE OF GRAVEL
BC - BACK OF CURB
SW - EDGE OF SIDEWALK
FG - FINISH GRADE
BW - FINISH GRADE
WALL (NOT FOOTING)

# LECEND (DDODOSED)

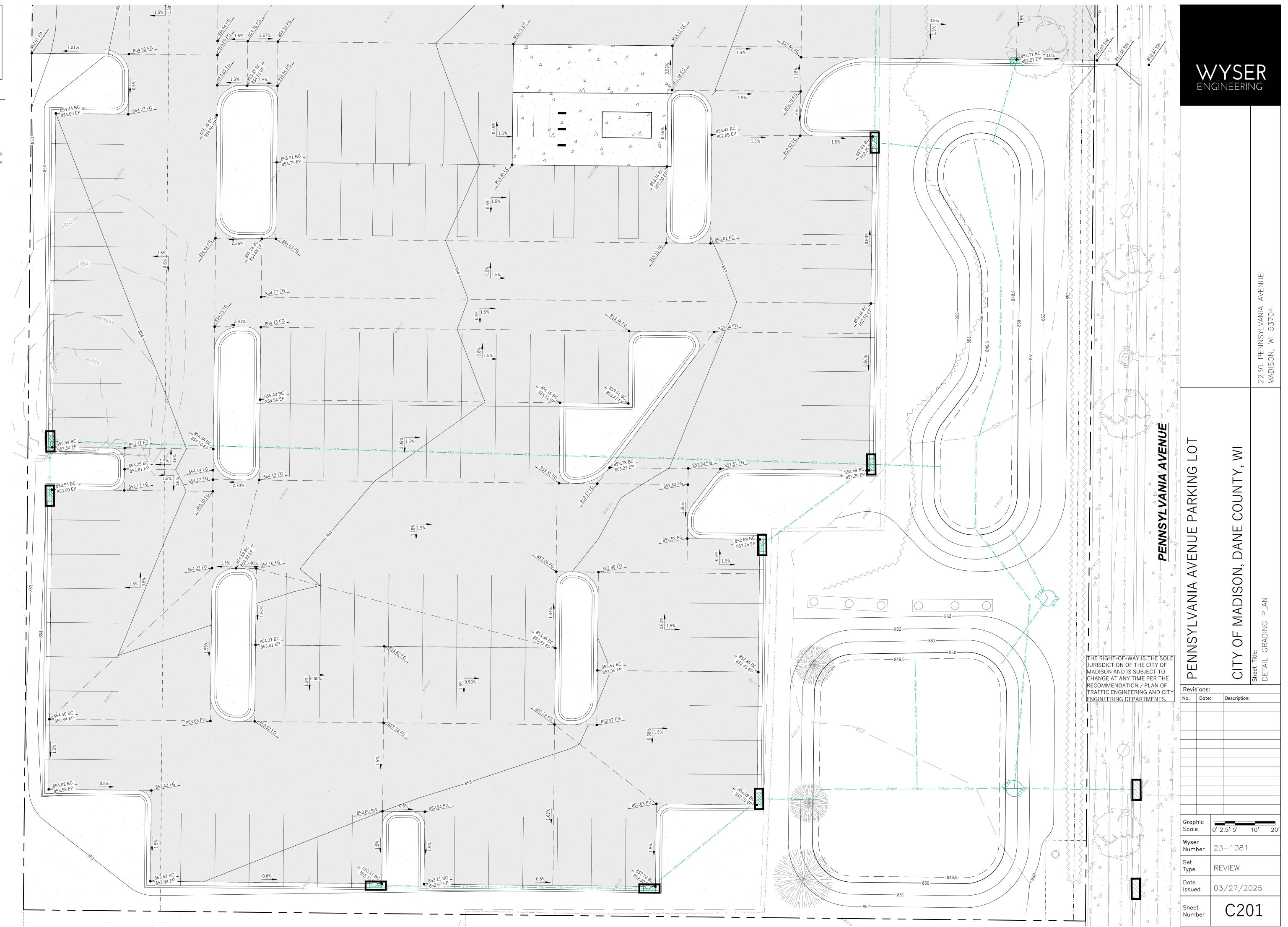
WALL (NOT FOOTING)

LEGEND (PROPOS	ED)
	PROPERTY BOUNDARY
	EASEMENT
	BUILDING FOOTPRINT
	18" CURB AND GUTTER
Δ Δ	ASPHALT PAVEMENT
850 —	CONCRETE PAVEMENT
852 ———	PROPOSED MAJOR CONTO
MT2 MT2	PROPOSED MINIOR CONTO

851.25 EP PROPOSED STORM SEWER \_\_\_\_ \_ SPOT GRADE

DRAINAGE GRADE BREAK DRAINAGE ARROW





SPOT GRADES ARE AS FOLLOWS: FFE - FINISHED FLOOR GRADE EP - EDGE OF ASPHALT PAVEMENT EC - EDGE OF CONCRETE PAVEMENT EG - EDGE OF GRAVEL BC - BACK OF CURB SW - EDGE OF SIDEWALK FG - FINISH GRADE BW - FINISH GRADE ADJACENT BOTTOM OF

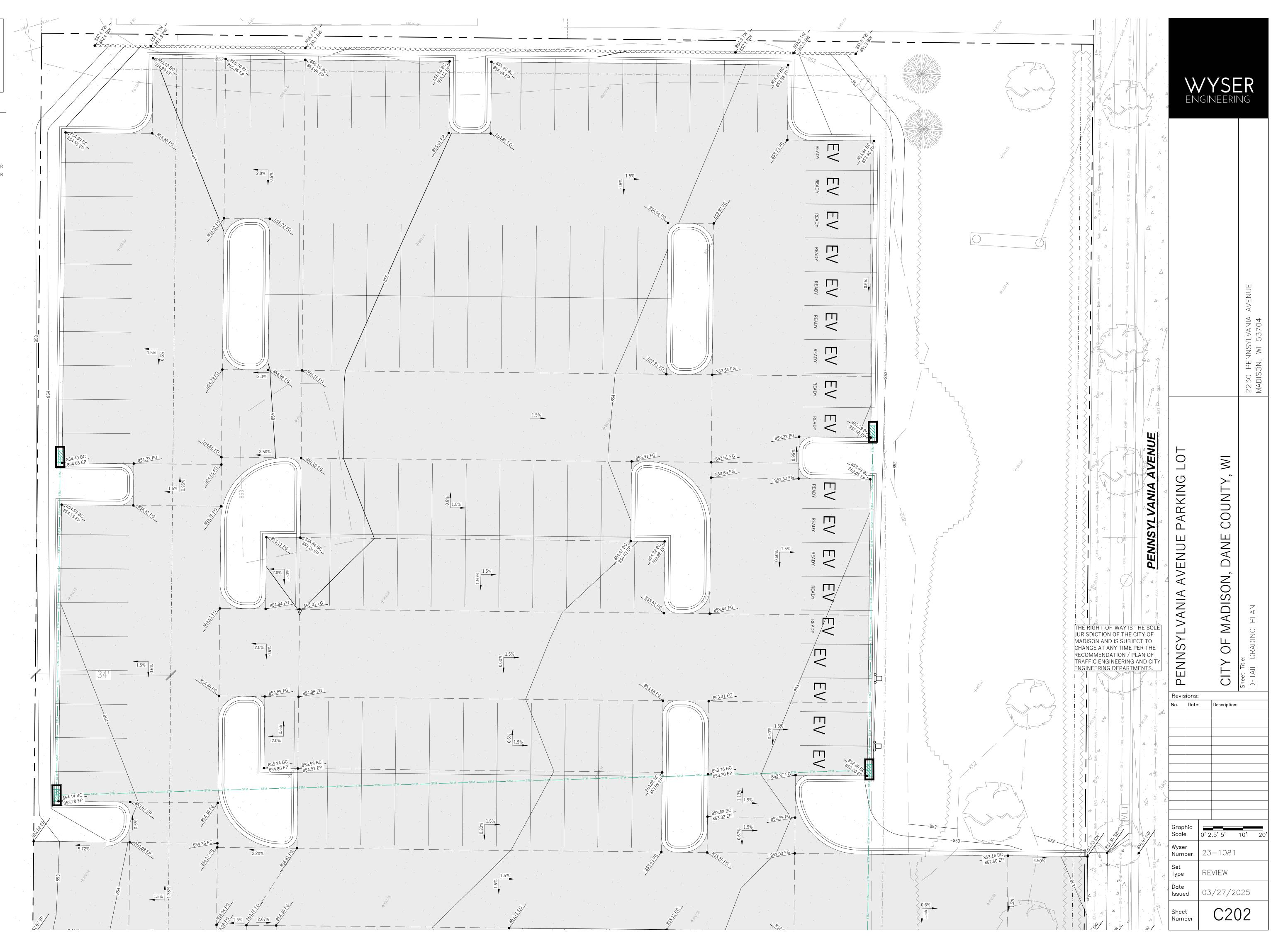
### LEGEND (PROPOSED)

WALL (NOT FOOTING)

PROPERTY BOUNDARY — · — · — · — · — · — EASEMENT BUILDING FOOTPRINT ASPHALT PAVEMENT ———— 850 ———— CONCRETE PAVEMENT 

851.25 EP PROPOSED STORM SEWER

\_\_\_\_\_ SPOT GRADE DRAINAGE GRADE BREAK DRAINAGE ARROW



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# LEGEND (PROPOSED)

PROPERTY BOUNDARY 18" CURB AND GUTTER ASPHALT PAVEMENT CONCRETE PAVEMENT \_\_\_\_\_ STM \_\_\_\_\_ PROPOSED STORM SEWER - STMperf - STMperf - PROPOSED PERFORATED UNDERDRAIN ---- STORMWATER TREATMENT FACILITY





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### **UTILITY NOTES**

WISDOT, WISDSPS, AND WDNR.

- 1. DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN
- 2. LENGTHS OF ALL UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN. LENGTHS SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.
- 3. CONTRACTOR SHALL VERIFY ALL ELEVATIONS, LOCATIONS, AND SIZES OF SANITARY, WATER
- 4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH ENGINEERING PLANS DESIGNED TO MEET ORDINANCES AND REQUIREMENTS OF THE MUNICIPALITY AND
- 5. PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:

AND STORM LATERALS AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS.

- EXAMINING ALL SITES CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER
- AND RESOLVED PRIOR TO THE START OF CONSTRUCTION. OBTAINING ALL PERMITS INCLUDING PERMIT COSTS, TAP FEES, METER DEPOSITS, BONDS,
- AND ALL OTHER FEES REQUIRED FOR PROPOSED WORK TO OBTAIN OCCUPANCY. VERIFYING UTILITY ELEVATIONS AND NOTIFYING ENGINEER OF ANY DISCREPANCY. NO
- WORK SHALL BE PERFORMED UNTIL THE DISCREPANCY IS RESOLVED. NOTIFYING ALL UTILITIES PRIOR TO THE INSTALLATION OF ANY UNDERGROUND
- NOTIFYING THE DESIGN ENGINEER AND MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION OBSERVATION.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE ENGINEER WITH AS-BUILT CONDITIONS OF THE DESIGNATED IMPROVEMENTS IN ORDER THAT THE APPROPRIATE DRAWINGS CAN BE PREPARED, IF REQUIRED. ANY CHANGES TO THE DRAWINGS OR ADDITIONAL

ITEMS MUST BE REPORTED TO THE ENGINEER AS WORK PROGRESSES.

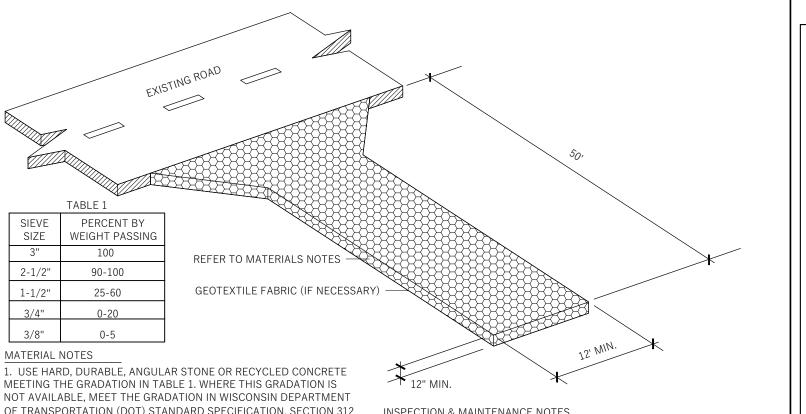
- 10. GRANULAR BACKFILL MATERIALS ARE REQUIRED IN ALL UTILITY TRENCHES UNDER SIDEWALKS AND PROPOSED PAVED AREAS (UNLESS OTHERWISE SPECIFIED BY A GEOTECHNICAL ENGINEER). ALL UTILITY TRENCH BACKFILL SHALL BE COMPACTED PER SPECIFICATIONS. ALL PAVEMENT PATCHING SHALL COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS. ADDITIONAL PAVEMENT MILLING AND OVERLAY MAY BE REQUIRED BY
- 11. CONTRACTOR SHALL NOTIFY THE MUNICIPAL PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS BEFORE CONNECTING TO PUBLIC UTILITIES.
- 12. ALL EXTERIOR CLEANOUTS SHALL BE PROVIDED WITH A FROST SLEEVE IN ACCORDANCE WITH SPS 382.34(5)(a)b AND SPS 384.30(2)(c).
- 13. ALL PRIVATE PLUMBING MATERIALS SHALL CONFORM TO SPS 384.30.
- 14. ALL PRIVATE PIPE JOINTS SHALL BE INSTALLED PER SPS 384.40.
- 15. THE CONTRACTOR SHALL ALLOW 10 WORKING DAYS FOR THE CONSTRUCTION OF GAS MAINS WHEN SCHEDULING THE WORK AND SHALL NOT RESTRICT ACCESS TO THE GAS MAIN CONTRACTOR OR OTHER UTILITY COMPANIES.
- 16. CONTRACTOR SHALL VERIFY AND COORDINATE ALL UTILITY CONNECTIONS WITH THE BUILDING PRIOR TO CONSTRUCTION.
- 17. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO BE IN CONFORMANCE WITH THE CITY EROSION CONTROL AND STORMWATER ORDINANCE, AND DNR ADMINISTRATIVE RULE NR 216 AT ALL TIMES.

ISYLVANIA AVENUE PARKING LOT	OF MADISON, DANE COUNTY, WI
NSYLVANIA AV	OF MADISON,

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Revis	sions:			
No.	Date:	Description:		

Grap Scale		0,	10'	20'	30'
Wyser Number		23	-108	1	
Set Type		REVIEW			
Date Issued		03	/27/	2025	

Number



OF TRANSPORTATION (DOT) STANDARD SPECIFICATION, SECTION 312 SELECT CRUSHED MATERIAL. USE MATERIAL SUBSTANTIALLY FREE FROM DIRT, DEBRIS, STEEL, VEGETABLE MATTER, AND OTHER DELETERIOUS MATERIAL. PLACE THE AGGREGATE IN A LAYER AT LEAST 12 INCHES THICK.

. THE TRACKING PAD SHALL BE UNDERLAIN WITH A WDOT TYPE R GEOTEXTILE FABRIC WHERE WARRANTED BASED ON SOIL TYPE OR HIGH GROUNDWATER.

INSTALLATION SHALL CONFORM WITH THE REQUIREMENTS OF WDNR CONSERVATION PRACTICE STANDARD 1057.

. INSTALL THE TRACKING PAD ACROSS THE FULL WIDTH OF THE ACCESS POINT, OR RESTRICT EXITING TRAFFIC TO A DEDICATED EGRESS LANE WITH A DRIVING SURFACE AT LEAST 12 FEET WIDE.

3. DIMENSIONS OF THE TRACKING PAD SHALL BE MINIMUM AS NOTED ON THE FIGURE ABOVE.

4. DIVERT SURFACE FLOWS AWAY FROM TRACKING PADS OR CONVEY

FLOW UNDER AND/OR AROUND USING CULVERTS AND SWALES. DIRECT RUNOFF FROM TRACKING PADS TO SEDIMENT CONTROL PRACTICES. 5. DO NOT COMPACT AGGREGATE PRIOR TO USE. COMPACTION.

COMPROMISE THE EFFECTIVENESS OF THE TRACKING PAD.

GROUTING, OR OTHER MEANS OF CREATING A SMOOTH SURFACE

. TRACKING PAD SHALL BE REMOVED OR INCORPORATED INTO GRAVEL DRIVEWAY ONLY AFTER CONSTRUCTION IS COMPLETE AND THE SITE HAS BEEN STABILIZED.

INSPECTION & MAINTENANCE NOTES

1. STONE TRACKING PADS SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EVERY PRECIPITATION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE DURING A 24 HOUR PERIOD.

2. MONITOR AND MAINTAIN DEVICES TO MINIMIZE SHIFTING, RUTTING OF ADJACENT SURFACES, AND STRUCTURAL FAILURE. MAINTAIN A LOOSENED, ROUGH SURFACE BY SCRAPING, LOOSENING, OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

2. ADDITIONAL AGGREGATE SHALL BE PLACED IF THE TRACKING PAD BECOMES BURIED OR IF SEDIMENT IS NOT BEING REMOVED EFFECTIVELY FROM THE VEHICLE TIRES.

3. A MINIMUM 30-FEET WIDE BY 50-FEET LONG BY 12-INCH THICK PAD SHALL BE MAINTAINED AT ALL TIMES. ADD STONE AS NEEDED TO MAINTAIN THE MINIMUM PAD THICKNESS.

4. THE TRACKING PAD PERFORMANCE SHALL BE MAINTAINED BY SCRAPING OR TOP-DRESSING WITH ADDITIONAL AGGREGATE.

5. ANY SEDIMENT TRACKED ONTO A PUBLIC OR PRIVATE ROAD SHOULD BE REMOVED BY STREET CLEANING AT THE END OF EACH WORKING DAY.

PRIOR TO LEAVING THE CONSTRUCTION SITE. 7. MAINTENANCE SHALL BE COMPLETED AS SOON AS POSSIBLE WITH CONSIDERATION FOR SITE CONDITIONS.

6. REMOVE STONES LODGED BETWEEN THE TIRES OF DUAL WHEEL VEHICLES

8. REPLACE DAMAGED OR CRUSHED CULVERTS UNDER TRACKING PAD. CONSTRUCTION ENTRANCE (STONE TRACKING PAD)

DETAIL BASED ON WDNR TECHNICAL STANDARD 1060. ANY VARIATIONS FROM THAT STANDARD IS UNINTENDED AND SHOULD NOT BE USED.

EXTENSION FOR

INI FTS WITH

CURB BOXES

TAPER BOTTOM OF BAG TO MAINTAIN 8" OF CLEARANCE BETWEEN THE BAG AND THE STRUCTURE, MEASURED FROM THE BOTTOM OF THE OVERFLOW OPENINGS TO THE STRUCTURE WALL THE RIGID FRAME SHALL BE CONSTRUCTED OF GALVANIZED STEEL AND HAVE

COMPLETELY FULL. THE RIGID FRAME SHALL NOT INTERFERE WITH OR ELEVATE THE GRATE MORE THAN 1/8".

DROP THE INLET FILTER THOUGH THE CLEAR OPENING SUCH THAT THE HANGERS REST FIRMLY ON THE LIP OF THE STRUCTURE.

INSET

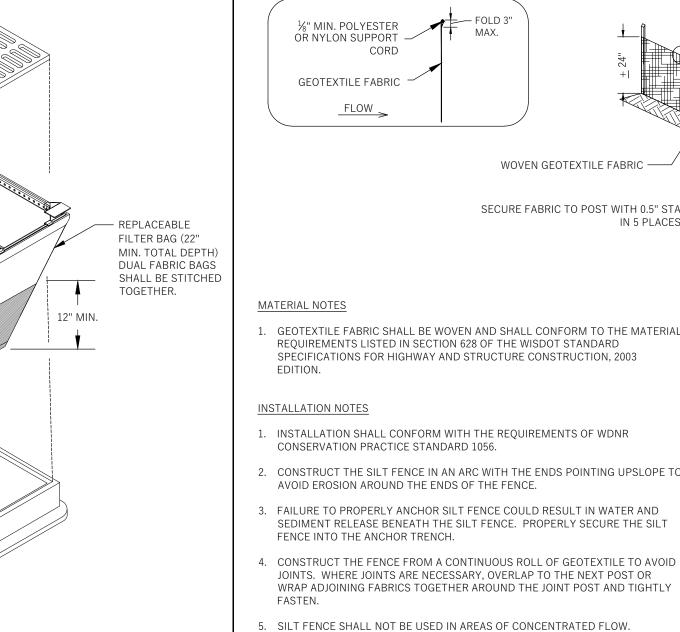
LENGTH AND WIDTH ----DIMENSIONS SHALL BE PER INLET TYPE SPECIFIED ON PLAN HANGERS (SEE NOTE #5) -REPLACEABLE AVAILABLE OVERFLOW DEPTH -FILTER BAG (22" RIGID FRAME (SEE NOTES #2 AND #3) TOGETHER. TYPE FF GEOTEXTILE FABRIC -NON-WOVEN INNER BAG LINER —— (COVERING LOWER HALF OF BAG) CAN BE INSTALLED IN INLETS WITH OR WITHOUT CURB BOXES

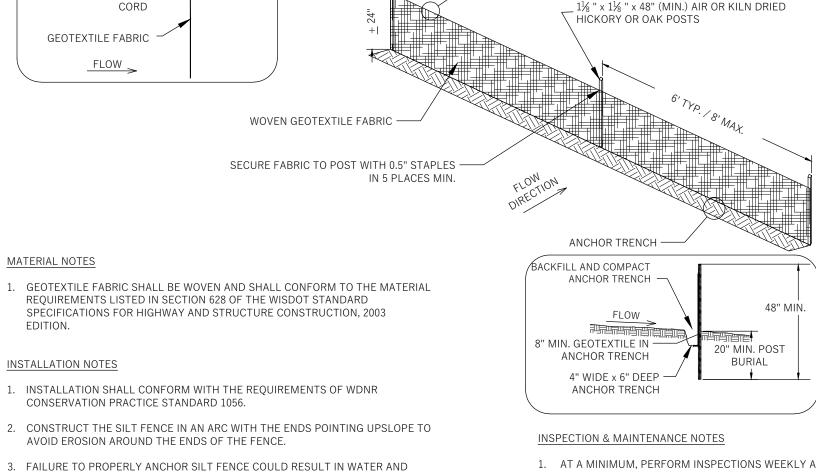
ADEQUATE STRENGTH TO SUPPORT THE WEIGHT OF THE SEDIMENT BAG WHEN

MAINTENANCE NOTES:

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARS SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE STRUCTURE SHALL BE IMMEDIATELY REMOVED.

# TYPE D-RF INLET PROTECTION

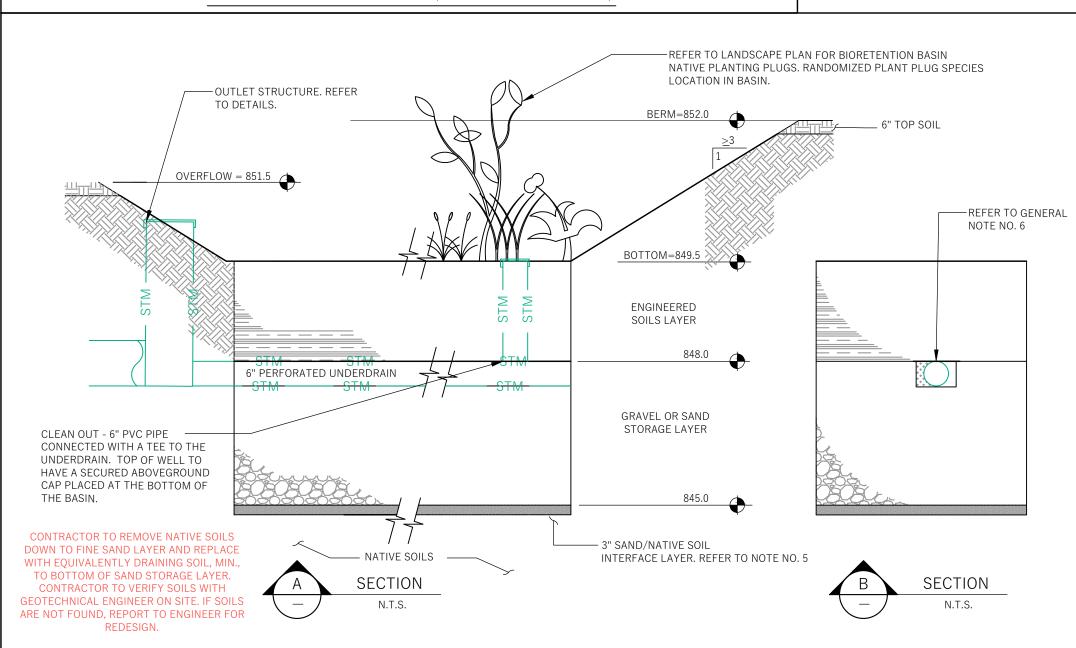




- 1. AT A MINIMUM, PERFORM INSPECTIONS WEEKLY AND WITHIN 24 HOURS OF PRECIPITATION EVENTS PRODUCING 0.5 INCHES OR MORE OF RAINFALL.
- 2. INSPECT FENCES FOR DAMAGE TO STAKES AND FABRIC, UNDERCUTTING, EXCESSIVE SEDIMENT ACCUMULATION (GREATER THAN ½ OF THE FENCE HEIGHT), AND INDICATIONS OF SCOUR AROUND THE EDGES.
- 3. REPAIR OR REPLACE SILT FENCE WITHIN 24 HOURS OF IDENTIFYING AND DEFICIENCIES.

1080 UNIEK DRIV WAUNAKEE, WI 53597

SILT FENCE

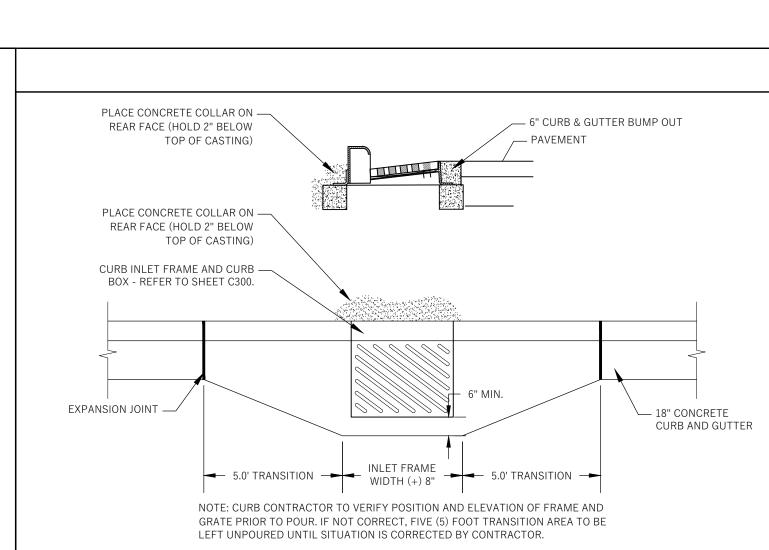


- ALL CONSTRUCTION PRACTICES SHALL MEET THE SPECIFICATIONS OF THE WDNR TECHNICAL STANDARD 1004 BIORETENTION FOR INFILTRATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF THIS STANDARD AND CONSTRUCT THE BIORETENTION DEVICE IN ACCORDANCE WITH THE REQUIREMENTS OUTLINED THEREIN.
- 2. CONTRACTOR SHALL INSTALL NATIVE PLANT PLUGS IN THE BASIN AND INSTALL A CLASS II EROSION CONTROL MAT (OVERLAPPED AND ANCHORED WITH MIN. 6" LONG HARDWOOD STAKES). CUT AN "X" IN THE MATTING AND AUGER DOWN TO PLACE APPROPRIATE PLANTING PLUGS EVERY 12 INCHES ON CENTER.
- 3. CONTRACTOR SHALL INSTALL 18" OF ENGINEERED SOIL CONSISTING OF: 70% ASTM C33 SAND AND 30% CERTIFIED COMPOST (SEE GENERAL
- CERTIFIED COMPOST SHALL CONSIST OF: >40% ORGANIC MATTER, <60% ASH CONTENT, ph OF 6-8, AND MOISTURE CONTENT OF 35-50% BY
- SAND/NATIVE SOIL INTERFACE LAYER SHALL BE FORMED BY A LAYER OF SAND 3 INCHES DEEP, WHICH IS VERTICALLY MIXED WITH THE NATIVE SOIL TO A DEPTH OF 2-4 INCHES. A CONSTRUCTION REPRESENTATIVE MUST BE ON SITE DURING OVER EXCAVATION TO APPROVE OF THE DEPTH AND SOIL TYPES.
- CENTERED OVER THE FLOW LINE OF THE PIPE.
- 7. ANNUAL RYE GRASS SHALL BE SEEDED AT 40 LB/ACRE WITH THE SEED MIX IN THE AREAS SURROUNDING THE BASIN, ON SIDE SLOPES, AND OVER ANY LAND THAT DISCHARGES INTO THE BASIN FOR EROSION CONTROL WHEN BASIN IS BROUGHT ON-LINE. ROOTSTOCK AND PLUGS ARE REQUIRED TO ESTABLISH VEGETATION AT THE INVERT OF THE BASIN.
- 8. RUNOFF MUST INFILTRATE THOUGH THE ENTIRE BASIN WITHIN 48-HOURS AND ALL STANDING WATER DISSIPATED WITHIN 24-HOURS. BASINS UNABLE TO MAINTAIN THESE RATES MUST BE DEEP TILLED, REGRADED, AND IF NECESSARY REPLANTED TO RESTORE ORIGINAL INFILTRATION
- 9. ALL WORK TO BE CONDUCTED IN CONFORMANCE WITH APPLICABLE LOCAL, REGIONAL, AND STATE STORMWATER STANDARDS FOR THE PROJECT SITE AS APPROVED BY THE REGULATORY ENGINEER.
- 10. REFER TO LANDSCAPE PLAN FOR PLANTING REQUIREMENTS.

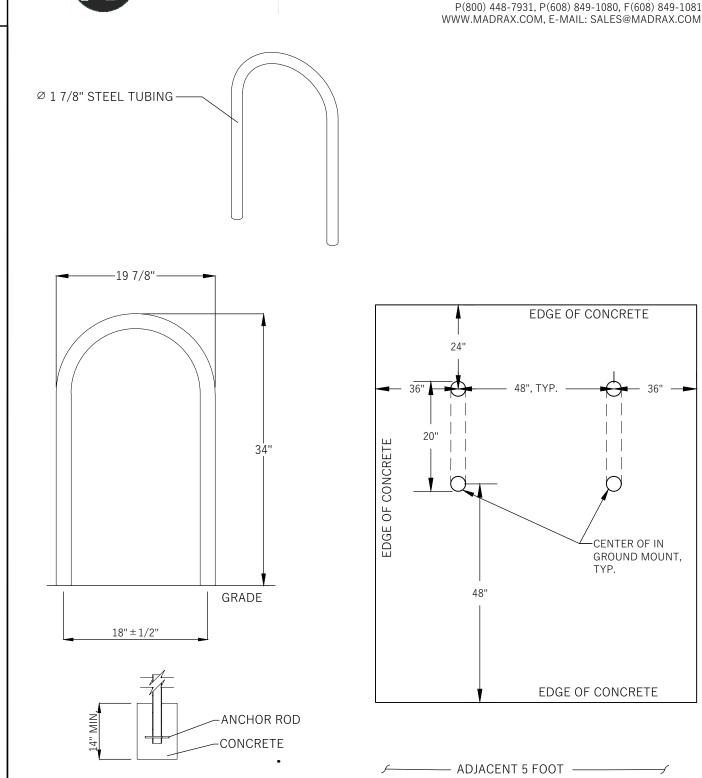
INFILTRATION DEVICES ARE DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS OF THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR), COUNTY, MUNICIPALITY, AND ENGINEERING STANDARD OF CARE. ALL DESIGNATED INFILTRATION AREAS (e.g. RAIN GARDENS, INFILTRATION BASINS. BIORETENTION DEVICES) SHALL BE FENCED PRIOR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

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

# BIORETENTION DEVICE



CURB AND GUTTER BUMP OUT AT INLET



ASPHALT PAVEMENT ACCESS AISLE

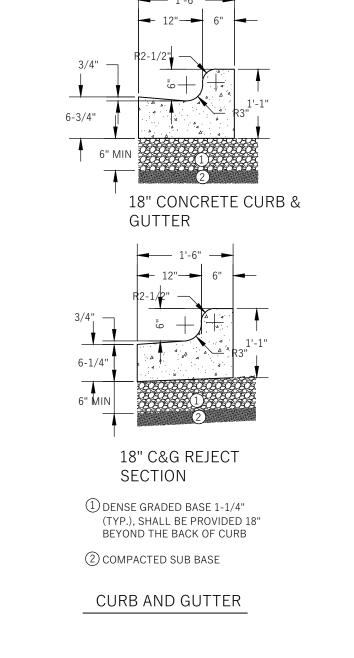
DESCRIPTION: 'U' BIKE RACK 2 BIKE, IN GROUND MOUNT DATE: 10-4-18 ENG: SMC CONFIDENTIAL DRAWING AND INFORMATION IS NOT TO BE COPIED OR DISCLOSED TO OTHERS WITHOUT THE CONSENT OF GRABER MANUFACTURING, INC. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT

IN GROUND MOUNT (IG)

1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS. 2. FINISH TO BE BLACK POWDER COATED. 3. SEE SITE PLAN FOR LOCATION OR CONSULT OWNER.

GRABER MANUFACTURING, INC. ALL PROPRIETARY RIGHTS RESERVED.

**BIKE RACKS** 



MATERIAL	THICKNESS	SPECIFICATION			
BITUMINOUS UPPER LAYER	1.75"	SECTION 460, TABLE 460-1			
BITUMINOUS LOWER LAYER	2.25"	SECTION 460, TABLE 460-1			
DENSE GRADED BASE	12.0"	SECTION 301 AND 305, 3" AND 1.25"			
TOTAL THICKNESS 16.0"					
SPECIFICATIONS BASED	ON GEOTECHNICAL R	EPORT AS PREPARED BY CGC, INC.,			

- DATED APRIL 10, 2024. IF ANY DISCREPANCY BETWEEN THIS DETAIL AND THE GEOTECHNICAL REPORT IS FOUND, THE GEOTECHNICAL REPORT HOLDS. UNDERCUTTING IS LIKELY BASED ON UNDERLYING SOIL CONDITIONS. UNDERCUT
- SECTION ASSUMED TO BE 12" OF 3" DGB OVER BIAXIAL GEOGRID (TENSAR BX TYPE 1 OR EQUAL). FINAL DETERMINATION BASED ON FIELD PROOF-ROLL.
- COMPACTION REQUIREMENTS 3.1. BITUMINOUS CONCRETE: REFER TO SECTION 460-3.
- 3.2. BASE COURSE: REFER TO SECTION 301.3.4.2, STANDARD COMPACTION
- MIXTURE TYPE LT BITUMINOUS PAVEMENT IS RECOMMENDED FOR THE PARKING AREA, REFER TO SECTION 460, TABLE 460-2 OF THE STANDARD SPECIFICATIONS.
- THE UPPER 4" OF DGB SHALL BE 1.25"; THE BOTTOM PART OF THE LAYER CAN BE 3" DGB.

	CONCRETE PAVEMENT			
	MATERIAL	THICKNESS		SPECIFICATION
		STANDARD	HEAVY	
_	CONCRETE SLAB LAYER	6.0"	7.5"*	SECTION 501, GRADE A, CLASS I
	DENSE GRADED BASE	6.0"	8.0"	SECTION 301 AND 305, 31.5 MM
	TOTAL THICKNESS	12.0"	15.5"	

\* REINFORCEMENT TO INCLUDE MINIMUM EPOXY COATED 6X6. W2.9XW2.9 WWF PLACED 3 INCHES ABOVE SUBGRADE INTO THE SLAB

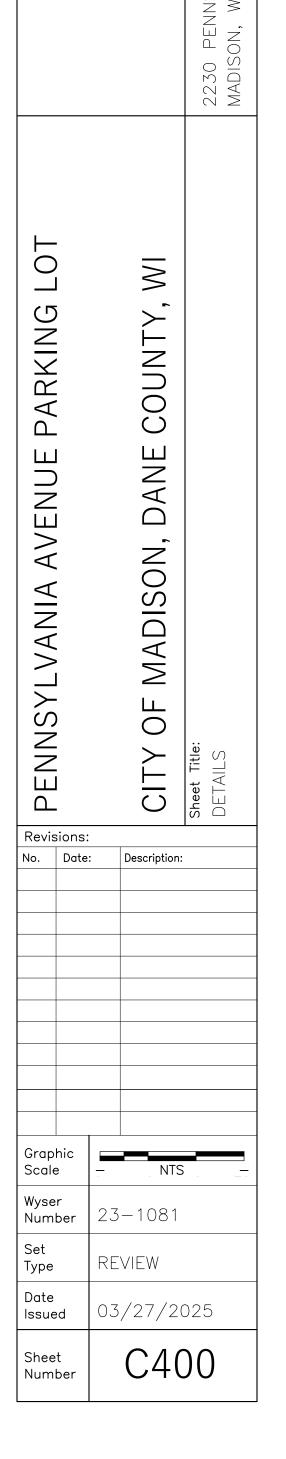
PAVEMENT SECTIONS

### OTHER MATERIAL MAY BE USED - PLASTIC PLASTIC LINER AS APPROVED BY | - | - | - | - | -CITY **BINDING WIRE -**STAKES STRAW BALES -NATIVE MATERIAL (OPTIONAL) -SANDBAG |- -|-4 -|- -|- -| SANDBAG WOOD OR — METAL STAKES 10 MIL -PLASTIC LINER -STRAW BALES PLAN WASHOUT NOTES ALTERNATIVE CONCRETE WASHOUTS ALLOWABLE AS APPROVED BY ENGINEER, INCLUDING DISPOSABLE WASHOUTS, ETC. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE. EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.

TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.

WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.

**CONCRETE WASHOUT** 



CITY O	F MADISON LAN	<b>IDSCAPE WO</b>	RKSHEET		
Total Developed Area	SQUARE FEET				LANDSCAPE POINTS REQ.
116,351 (entire lot)	116,351	5 points per 300 sq ft			1939
		CREDITS / EX	STING LANDSCAPING	NEW / PROF	OSED LANDSCAPING
PLANT TYPE / ELEMENT	POINT VALUE	QUANTITY	POINTS ACHIEVED	QUANTITY	POINTS ACHIEVED
Overstory Deciduous (2.5" caliper)	35		0	18	630
Tall Evergreen Tree (5'-6')	35	2	70	3	105
Ornamental Tree (1.5" caliper)	15		0	8	120
Upright Evergreen Shrub (i.e. arborvitae) 3'-4' tall	10		0		0
Shrub, deciduous (#3 gal cont)	3	82	246	197	591
Shrub, evergreen (#3 gal. cont)	4		0	95	380
Ornamental Grasses/Perennials (#1 gal cont)	2		0		0
Ornamental/Decorative Fencing or Wall					
(4pts / 10LF)	4		0		0
Existing Significant Specimen Tree (2.5" dbh)	14	1	14		0
Landscape Furniture for public seating and/or					
transit connections (5pts. per seat)	5		0		0
			330		1826

TOTAL POINTS ACHIEVED	215

KEY	Common Name	Scientific Name	Size	Quantity	Root
	EVERGREEN TREES				
NS	Norway Spruce	Picea abies	6'	3	B&B
	SHADE TREES				A
AH	American Hornbeam	Carpinus caroliniana	3"	6	B&B
AM	Armstrong Maple	Acer x Freemanii 'Armstrong'	3"	5	B&B
RO	Regal Prince Oak	Quercus robur x bicolor 'Long'	3"	4	B&B
SH	Street Keeper Honeylocust	Gleditsia triacanthos 'Draves'	3"	3	B&B
	ORNAMENTAL TREES				
IS	lvory Silk Japanese Tree Lilac	Syringa rectiulata 'lvory Silk'	2"	4	B&B
RJ	Red Jewel Crabapple	Malus 'Jewelcole'	2"	4	B&B
	EVERGREEN SHRUBS				
Kj	Kallay Compact Juniper	Juniperus chinensis 'Kallays Compacta'	#3	51	Cont
Mj	Mini Arcadia Juniper	Juniperus sabina 'Mini Arcadia'	#3	44	Cont
	SHRUBS		<u> </u>	T	
Bv	Blue Muffin Viburnum	Viburnum dentatum 'Christom'	#5	8	Cont
Bf	Bronxensis Dwarf Forsythia	Forsythia viridissima 'Bronxensis'	#3	43	Cont
Ср	Crème Brulee Potentilla	Potentilla fruticosa 'Bailbrule'	#3	26	Cont
Fd	Firedance Dogwood	Cornus sericea 'Bailadeline'	#5	14	Cont
La	Low Scape Mound Chokeberry	Aronia melanocarpa 'Uconnam 165'	#3	83	Cont
Nt	New Jersey Tea	Ceanothus americanus	#3	14	Cont.
Sw	Saint John's Wort	Hypericum prolificum	#3	9	Cont.

LANDSCAPE NOTES:

Please refer to Grading & Erosion Control Plan for final contour

Information.Individual trees & shrubs in lawn areas to receive wood mulch

Shredded Hardwood Mulch spread to 3" depth, with Dimex EdgePro polyvinyl Edging or equivalent.

SEED Premium grass seed with straw mat erosion blanket.

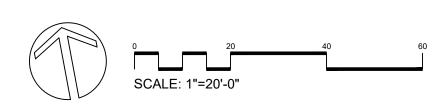
STREET TREE NOTE:

MONITORING WELL

Existing street trees shall be protected. Contractor shall install tree protection fencing in the area between the curb and sidewalk and extend it at least 5 feet from both sides of the tree along the length of the terrace. No excavation is permitted within 5 feet of the outside edge of a tree trunk. If excavation within 5 feet of any tree is necessary, contractor shall contact City Forestry at (608-266-4816) prior to excavation to assess the impact to the tree and root system. Tree pruning shall be coordinated with City Forestry prior to the start of construction. Tree protection specifications can be found in section 107.13 of *City of Madison Standard Specifications for Public Works Construction* -

http://www.cityofmadison.com/business/pw/documents/StdSpecs/2013/Part1.pdf.
Any tree removals that are required for construction after the development plan is approved will require at least a 72 hour wait period before a tree removal permit can be issued by Forestry, to notify the Alder of the change in the tree plan.

At least one week prior to street tree planting, Contractor shall contact City Forestry (608-266-4816) to schedule inspection and approval of nursery tree stock and review planting specifications with the landscaper.





3570 Pioneer Road Verona, WI 53593 PH: (608) 827-9401 FAX: (608) 827-9402 WEB: www.olsontoon.com

YLVANIA AVENUE PARK 2230 Pennsylvania Avenue

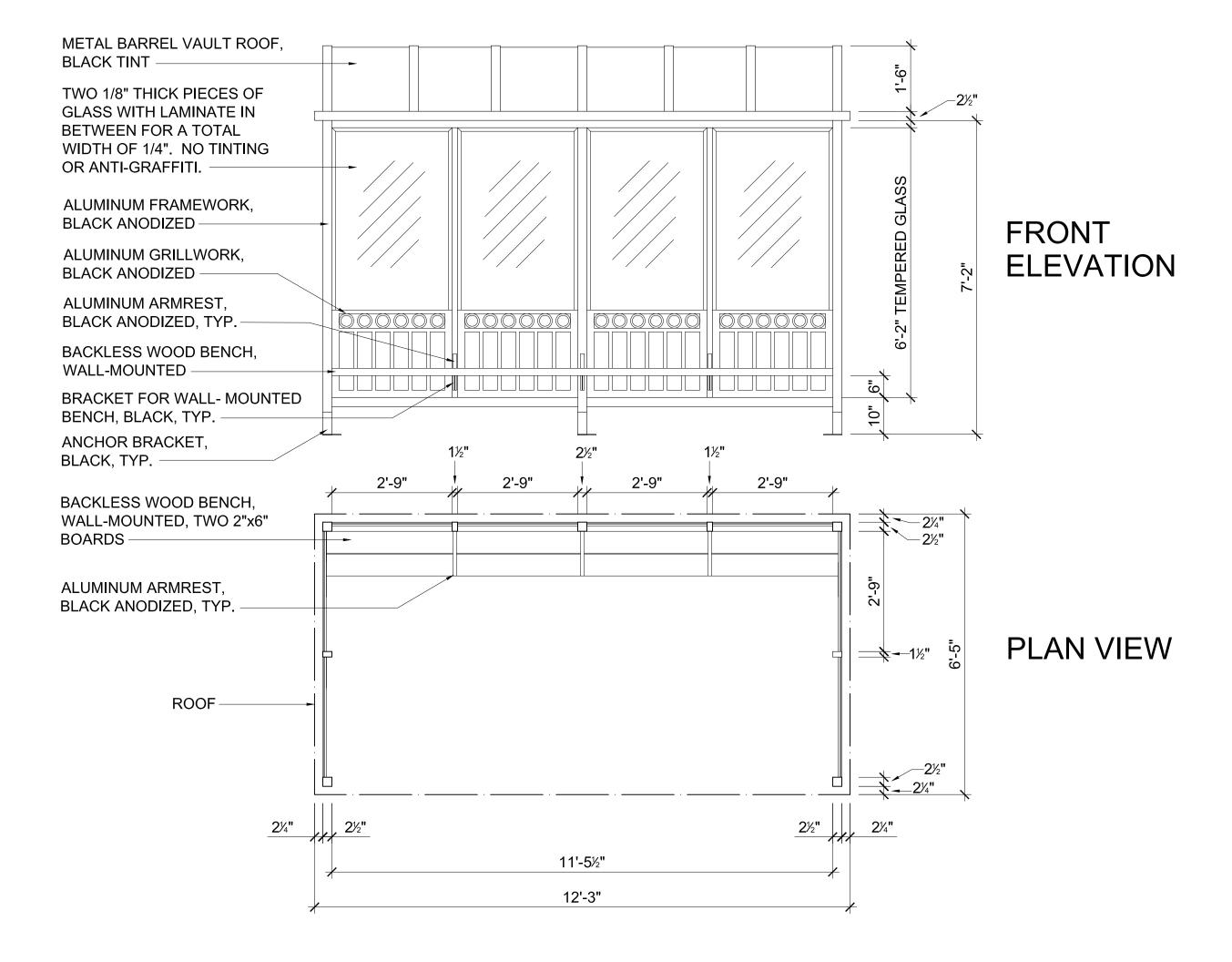
Date: February 20, 2025 Scale: 1" = 20' Designer: peb

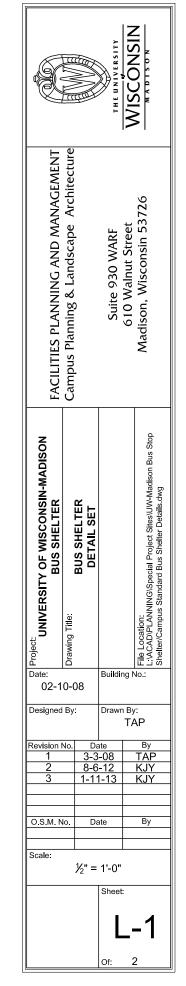
r: peb Job # 2025-02-20-01

Seal:
To protect against legal liability, the plans presented herein are "schematic," and should not be outsourced as "biddable" or "construction documents" unless approved by the Landscape Designer. This is not an original document unless stamped in red, as ORIGINAL.

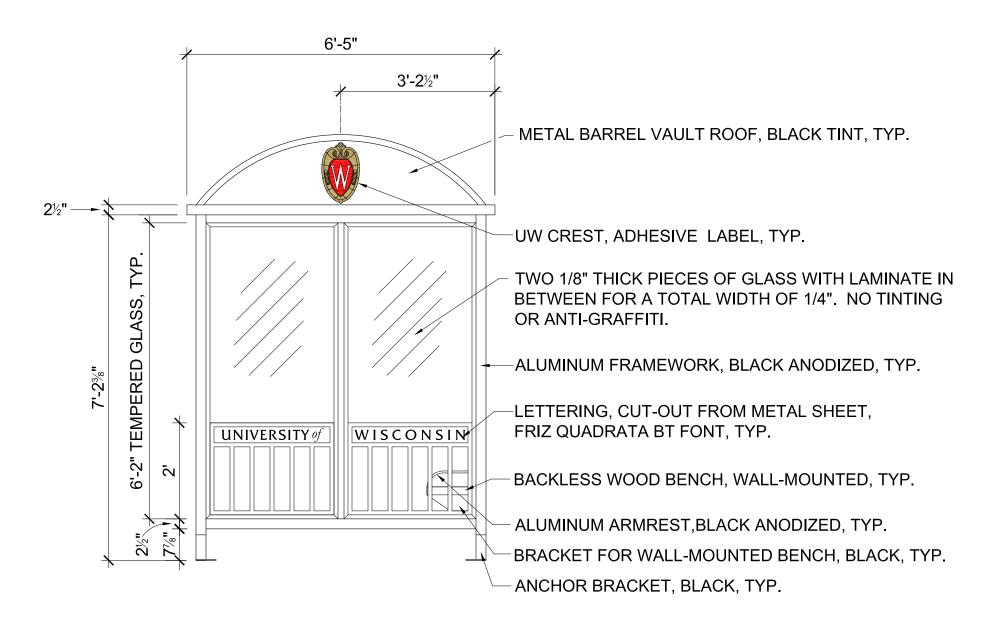
Revisions:

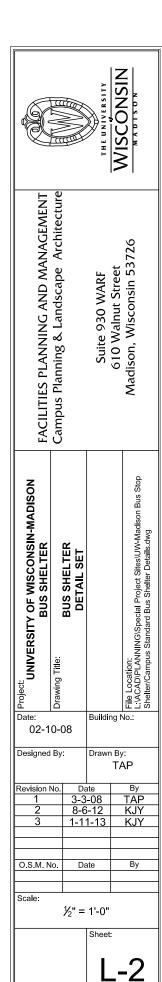
Reference Name: New Madison Development

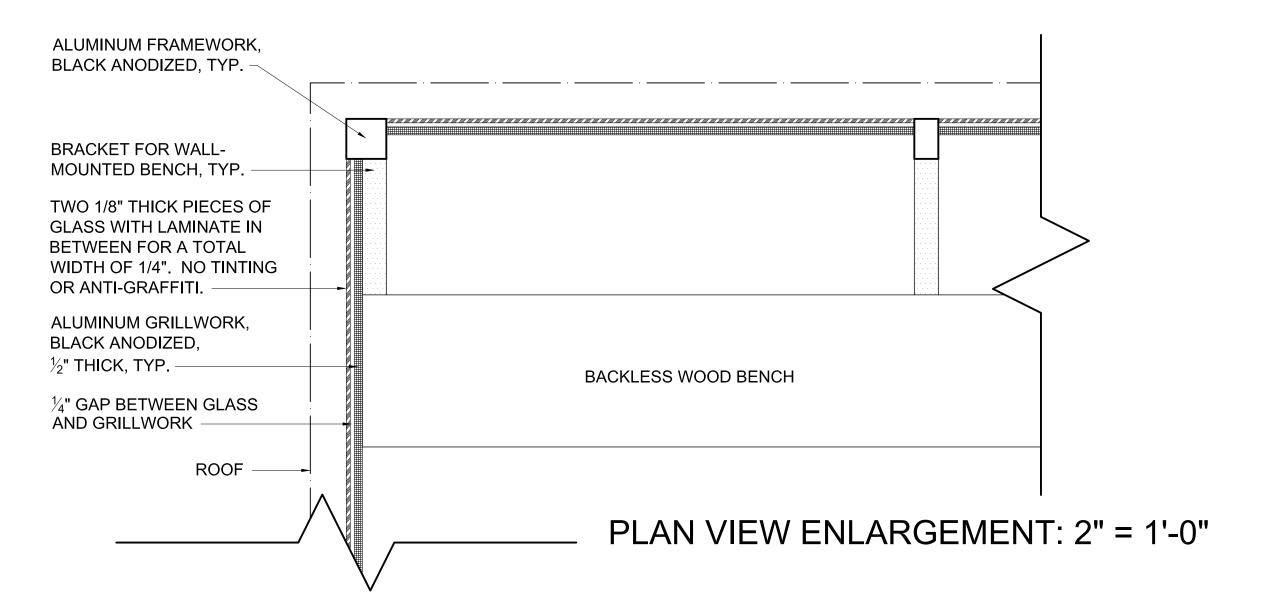


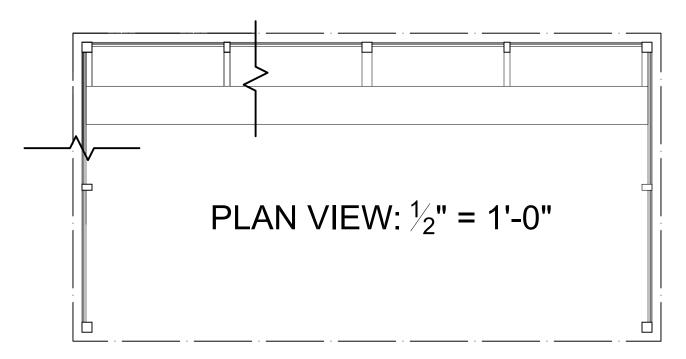


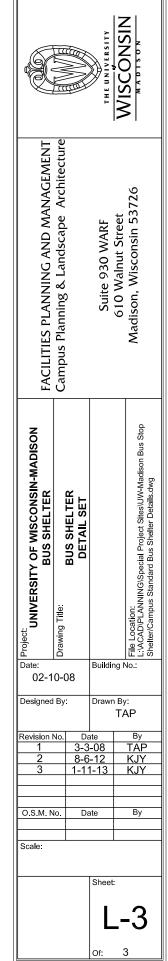
# SIDE ELEVATION











# NOTES: • Customers are responsible for confirming mounting heights, fixture suspension types/lengths, color temperature, CRI, linear fixture lengths, pole lengths, and bollard heights/ lengths prior to ordering. • Mounting height (MH) is measured from the bottom of the fixture to the floor. • This Lighting layout assumes the following unless values are specified and must be confirmed by the customer prior to ordering. •• Room reflectance of 80, 50, 20 for standard ceilings and 50, 50, 20 for exposed ceilings • Wall sconces are mounted at 7' for calculation purposes. Customer must confirm desired mounting height before rough in.

	hedule 	1	1					T		
Qty Label	Arrangement	LLF	MFR	Description		Lum.	. Watts	Total Watts	Lum. Lumens	
10 OA5	Single	0.950	LITHONIA	A RSX1 LED P3	xxK R5- 23FT POLE 3 FT	BASE 109.4	14	1094.4	14394	
·										
Calculation S	ummary									
Label	CalcType	Unit	s	Avg	Max	Min	Av	g/Min	Max/Min	
SITE	Illuminance	Fc		0.95	2.07	0.01	95.	00	207.00	
PARKING ARI	EA Illuminance	Fc		1.22	2.1	0.4	3.0	5	5.25	

Calculation Summary											
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min				
SITE	Illuminance	Fc	0.95	2.07	0.01	95.00	207.00				
PARKING AREA	Illuminance	Fc	1.22	2.1	0.4	3.05	5.25				





**Specifications** 

ΕPA

(ft2@0°):

Length:

Width:

Height:

### Job Name:

Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison) Catalog Number:

RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\*

Notes:

Type:

OA5

FLL 25-136082



### RSX1 LED Area Luminaire











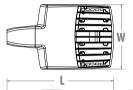




### Introduction

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

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



13.3" (33.8 cm) 3.0" (7.6 cm) Main Body

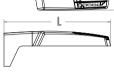
0.57 ft<sup>2</sup> (0.05 m<sup>2</sup>)

21.8" (55.4 cm)

7.2" (18.4 cm) Arm

(SPA mount)

**Weight:** 22.0 lbs (10.0 kg)







ds design select

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 <a href="www.acuitybrands.com/designselect">www.acuitybrands.com/designselect</a>. \*See ordering tree for details

# Design Select options indicated by this color background.

### **Ordering Information**

### **EXAMPLE:** RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED		**VERIFY**						
Series	Performance Package	Color Temperature	Distributio	on	Voltage		Mour	nting
RSX1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	R2 R3 R3S R4 R4S R5 R5 R5 AFR AFRP0	Type 2 Wide Type 3 Short Type 4 Wide Type 4 Short Type 5 Wide Type 5 Short Type 5 Short Type 5 Short Automotive Front Row Automotive Front Row Left Rotated Automotive Front Row Left Rotated	MVOLT HVOLT XVOLT (use specoptions: 120 <sup>3</sup> 208 <sup>3</sup> 240 <sup>3</sup>	(120V-277V) <sup>2</sup> (347V-480V) <sup>3</sup> (277V-480V) <sup>4</sup> cific voltage for as noted) 277 <sup>5</sup> 347 <sup>5</sup> 480 <sup>5</sup>	SPA RPA MA IS WBA WBA AASF AARF AAW	SC Wall bracket with surface conduit box Adjustable tilt arm square pole mounting 6 Adjustable tilt arm round pole mounting 6

### Options Shipped Installed House-side shield 7 PE Photocontrol, button style 8,9 PER7 Seven-wire twist-lock receptacle only (no controls) 9,10,11 SF Single fuse (120, 277, 347) 5 Double fuse (208, 240, 480) 5 SPD20KV 20KV Surge pack (10KV standard) Field adjustable output 9 FAO $\mathsf{DMG}$ 0-10V dimming extend out back of housing for external control (control ordered separate) 9

### Shipped Installed

 ${\bf *Standalone\ and\ Networked\ Sensors/Controls\ (factory\ default\ settings, see\ table\ page\ 9)}$ 

NLTAIR2 PIRHN nLight AIR generation 2, with Networked, Bi-Level motion/ambient sensor 9.12,13,14

BAA Buy America(n) Act and/or Build America Buy America Qualified
CCE Coastal Construction<sup>15</sup>

\*Note: NLTAIR2 PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.

### Shipped Separately (requires some field assembly)

EGS External glare shield <sup>7</sup>
External glare full visor (360° around light aperture) <sup>7</sup>

BS Bird spikes 16

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

\*\*VERIFY\*



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Lithonia RSX1 Area LED Rev. 01/28/25 Page 1 of 9



Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

**Catalog Number:** RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\*

Type:

OA5

### **Ordering Information**

### **Accessories**

RSX1 House side shield (includes 1 shield) RSX1HS

RSX1HSAFRR U RSX1 House side shield for AFR rotated optics (includes 1 shield) RSX1EGS (FINISH) U

External glares hield (specify finish) RSX1EGFV (FINISH) U External glare full visor (specify finish)

RSXRPA (FINISH) U RSX Universal round pole adaptor plate (specify finish) RSXWBA (FINISH) U RSX WBA wall bracket (specify finish) 1

RSXSCB (FINISH) U RSX Surface conduit box (specify finish, for use with WBA, WBA not included)

DLL127F 1.5 JU Photocell -SSL twist-lock (120-277V) 17 DLL347F 1.5 CUL JU Photocell -SSL twist-lock (347V) 17 DLI 480F 1.5 CUL III Photocell -SSI twist-lock (480V) 1 DSHORT SBK U Shorting cap 1

### NOTES

Notes:

- Any Type 5 distribution, is not available with WBA.

  MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- HVOLT driver operates on any line voltage from 347-480V (50/60 Hz). XVOLT driver not available with P1 or P2. XVOLT driver operates on any line voltage from 277V-480V (50/60 Hz). XVOLT not available with fusing (SF or DP) and not available with PE.
- (SF or DF) and not available with FE.
  Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
  Maximum tilt is 90° above horizontal.
- It may be ordered as an accessory.

  Requires MVOLT or 347V.
- Two or more of the following options cannot be combined including PE, DMG, PER7, FAO and NLTAIR2 PIRHIN. (Exception: PE and FAO can be combined; also PE and DMG can be combined.)
- Compatible with standard twist-lock photocells for dusk to dawn operation or advanced control nodes that provide 0-10V dimming
- signals. Wire 4/Wire 5 wired to dimming leads on driver. Wire6/Wire7 capped inside luminaire. Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included.
- For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.

  Must be ordered with PIRHN.
- Requires MVOLT or HVOLT.
- Must be ordered with NLTAIR2. For additional information on PIRHN 14
- CCE option not available with WBA, WBASC, AASP, AARP, AAWB, AAWBSC, EGS, EGFV and BS.
- Must be ordered with fixture for factory pre-drilling.
  Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.

### **External Shields**



**House Side Shield** 



**External Glare Shield** 

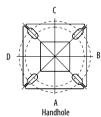


External 360 Full Visor

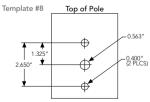
### **Pole/Mounting Informatiion**

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

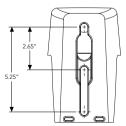
### HANDHOLE ORIENTATION



### **RSX POLE DRILLING**



### RSX STANDARD ARM & ADJUSTABLE ARM



### **Round Tenon Mount - Pole Top Slipfitters**

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

### **Drill/Side Location by Configuration Type**

		-		-	*		-1-
Drilling Template	Mounting Option	Single	2 @ 180	2 @ 90	3 @ 120	3 @ 90	4@90
	Head Location	Side B	Side B & D	Side B & C	Round Pole Only	Side B, C & D	Side A, B, C & D
#8	Drill Nomenclature	DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS

### RSX1 - Luminaire EPA

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

Fixture Quantity & Mo Configuration	unting	Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt	-	-1		<u>.</u>	Y	+	-		•
SPA - Square Pole Adaptor		0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
RPA - Round Pole Adaptor	0°	0.62	1.08	1.15	1.62	1.46	2.13	1.36	1.8	2.36
MA - Mast Arm Adaptor		0.49	0.95	0.89	1.36	1.2	1.87	1.23	1.54	2.1
	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
IS - Integral Slipfitter	40°	1.81	2.68	2.98	3.85	3.68	5.30	3.62	5.43	7.24
AASP/AARP - Adjustable	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
Arm Square/Round Pole	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97



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Lithonia RSX1 Area LED Rev. 01/28/25 Page 2 of 9



Pennsylvania Avenue Parking
Contractor: Phaze Electric (Madison)

Catalog Number: RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\* Notes: Type:

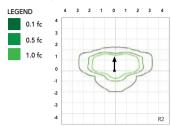
OA5

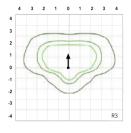
ELL25-136082

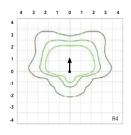
### **Photometric Diagrams**

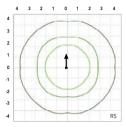
To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepage.

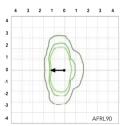
Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').

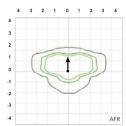


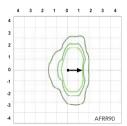












### **Performance Data**

# Lumen Ambient Temperature (LAT) Multipliers

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

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

### **Electrical Load**

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

### Projected LED Lumen Maintenance

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

Values calculated according to IESNA TM-21-11 methodology and valid up to  $40^{\circ}\text{C}.$ 





Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### Catalog Number:

RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\* Notes: Type:

OA5

ELL25-136082

### **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	System Watts	Distribution.			30K K, 70 CR					40K K, 70 CR					50K K, 70 CR		
Package		Туре	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW	Lumens	В	U	G	LPW
		R2	6,482	1	0	1	126	7,121	1	0	1	139	7,121	1	0	1	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,543	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
P1	51W	R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
PI	SIW	R5	6,631	3	0	2	130	7,286	3	0	2	143	7,286	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
		R2	8,991	2	0	1	123	9,878	2	0	1	135	9,878	2	0	1	135
		R3	8,959	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,198	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
P2	72W	R4S	8,757	1	0	2	122	9,622	2	0	2	134	9,622	2	0	2	134
rz	/2W	R5	9,198	4	0	2	128	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,443	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
		R2	12,808	2	0	1	117	14,072	2	0	2	129	14,072	2	0	2	129
		R3	12,763	2	0	2	117	14,023	2	0	2	129	14,023	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
P3	109W	R4S	12,475	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
13	10544	R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	3	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	118	14,247	3	0	3	130	14,247	3	0	3	130
		R2	14,943	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	3	112	16,360	2	0	3	123	16,360	2	0	3	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
P4	133W	R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
	15511	R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,693	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,128	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125





Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

## Catalog Number:

RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\* Notes: Type:

OA5

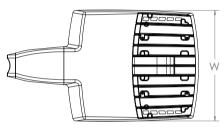
ELL 2E 126092

### **Dimensions & Weights**

### Luminaire Weight by Mounting Type

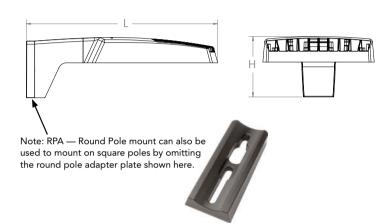
Mounting Configuration	Total Luminaire Weight
SPA	22 lbs
RPA	24 lbs
MA	22 lbs
WBA	25 lbs
WBASC	28 lbs
IS	25 lbs
AASP	25 lbs
AARP	27 lbs
AAWB	28 lbs
AAWSC	31 lbs

### RSX1 with Round Pole Adapter (RPA)

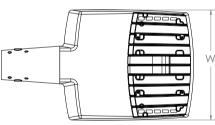


Length: 22.8" (57.9 cm) Width: 13.3" (33.8 cm)

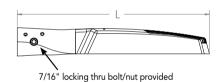
Height: 3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm



### RSX1 with Mast Arm Adapter (MA)

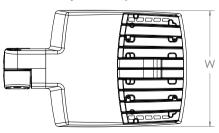


Length: 23.2" (59.1 cm) Width: 13.3" (33.8 cm) Height: 3.0" (7.6 cm) Main Body 3.5" (8.9 cm) Arm

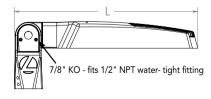


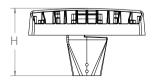


### RSX1 with Adjustable Slipfitter (IS)



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







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Lithonia RSX1 Area LED Rev. 01/28/25 Page 5 of 9



Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### **Catalog Number:**

RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\*

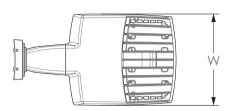
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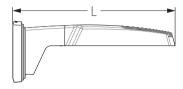
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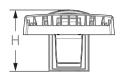
OA5

ELL25-136082

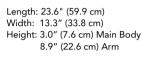
### RSX1 with Wall Bracket (WBA)







### Wall Bracket (WBA) Mounting Detail

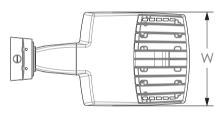


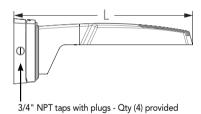






### RSX1 with Wall Bracket with Surface Conduit Box (WBASC)







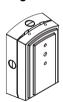
### Surface Conduit Box (SCB) Mounting Detail

Length: 25.3" (64.3 cm)

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











Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### Catalog Number: RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\*

Notes:

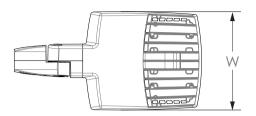
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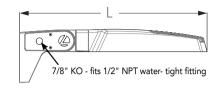
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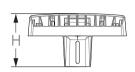
FII 25-136082

### **Dimensions**

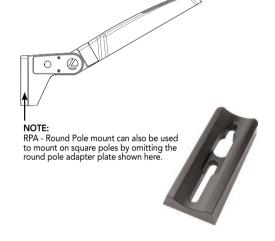
### RSX1 with Adjustable Tilt Arm - Square or Round Pole (AASP or AARP)







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

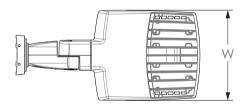


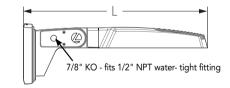
### Notes

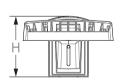
AASP: Requires 3.0" min. square pole for 1 at 90°. Requires 3.5" min. square pole for mounting 2, 3, 4 at 90°.

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

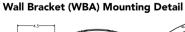
### RSX1 with Adjustable Tilt Arm with Wall Bracket (AAWB)

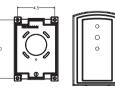














Length: 27.1" (68.8 cm) Width: 13.3" (33.8 cm) Height: 3.0" (7.6 cm) Main Body

eight: 3.0" (7.6 cm) Main Boo 8.9" (22.6 cm) Arm



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Lithonia RSX1 Area LED Rev. 01/28/25 Page 7 of 9



Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### **Catalog Number:** RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\*

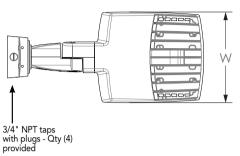
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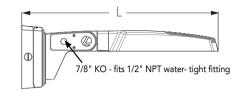
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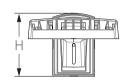
OA5

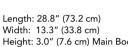
### **Dimensions**

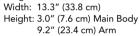
### RSX1 with Adjustable Tilt Arm with Wall Bracket and Surface Conduit Box (AAWSC)

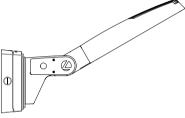


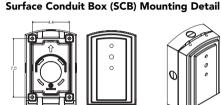






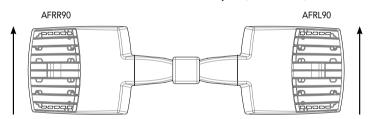








### Automotive Front Row - Rotated Optics (AFRL90/R90)



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



Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### Catalog Number:

RSX1 LED P3 \*\*K R5 MVOLT SPA \*FINISH\*

Notes:

Type:

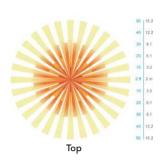
OA5

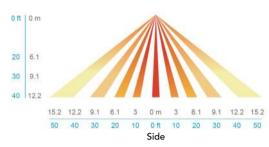
ELL25-136082

### nLight Control - Sensor Coverage and Settings









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

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

### **FEATURES & SPECIFICATIONS**

### INTENDED USE

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

### CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for minimum 1.5 G vibration load per ANSI C136.31. 3G Mountings: Include SPA, RPA, MA, IS, AASP, and AARP rated for 3G vibration. 1.5G Mountings: Include WBA, WBASC, AAWB and AAWSC rated for 15G vibration.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warrantied not to crack or peel.

### 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 apply.

### OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 2, Type 3, Type 4, Type 4, Type 45, Type 55, AFR (Automotive Front Row), and AFR rotated AFRR90 and ARFL90.

### ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >192/100,000 hours. CCTS of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Fixtures ship standard with 0-10v dimming driver. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANS/IEEE C624.12.)

### STANDARD CONTROLS

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

### nLIGHT AIR CONTROLS

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

### INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2.3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2.3/8" OD tenon. The adjustable slipfitter has an integral junction box and offers easy installation. Can be tilted up to 90" above horizontal. Additional mountings are available including a wall bracket, adjustable tilt arm for direct-to-pole and wall and a surface conduit box for wall mount applications.

### LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at <a href="https://www.designlights.org/QPL">www.designlights.org/QPL</a> to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only. U.S. Patent No. D882, 146S

### 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 DOT and the United States under Act. Please refer to <a href="https://www.acuitybrands.com/buy-american">www.acuitybrands.com/buy-american</a> 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.



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Lithonia RSX1 Area LED Rev. 01/28/25 Page 9 of 9



Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### Catalog Number:

SSS 23 4C DM19AS \*FINISH\*

Notes:

Type:

OA5

=11.25-136082



### **FEATURES & SPECIFICATIONS**

INTENDED USE — These specifications are for USA standards only. Square Straight Steel is a general purpose light pole for up to 39-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

### CONSTRUCTION —

**Pole Shaft:** The pole shaft is of uniform dimension and wall thickness and is made of a weldable-grade, hot-rolled, commercial-quality steel tubing with a minimum yield of 55 KSI (11-gauge, 0.120"), or 50 KSI (7-gauge, 0.179"). Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4", 5" and 6".

**Pole Top:** Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable top cap.

**Handhole:** A reinforced handhole with grounding provision is provided at 18" from the base on side A. Positioning the handhole lower may not be possible and requires engineering review; consult Tech Support-Outdoor for further information. Every handhole includes a cover and cover attachment hardware. The handhole has a nominal dimension of 2.5" x 5".

**Base Cover:** A durable ABS plastic two-piece full base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

**Anchor Base/Bolts:** Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations; consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards grade 55, (55 KSI minimum yield strength and tensile strength of 75-95 KSI). Top threaded portion (nominal 12") is hot-dipped galvanized per ASTM A-153.

**HARDWARE** — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

**FINISH** — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

### GOVERNEMENT 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 <u>www.acuitybrands.com/buy-american</u> for additional information.

**INSTALLATION** — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

**WARRANTY** — 1-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: <a href="https://www.acuitybrands.com/support/warranty/terms-and-conditions">www.acuitybrands.com/support/warranty/terms-and-conditions</a>

**NOTE**: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Catalog Number			
Notes			
Туре			

**Anchor Base Poles** 

SSS

**SQUARE STRAIGHT STEEL** 





OUTDOOR POLE-SSS



Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### **Catalog Number:** SSS 23 4C DM19AS \*FINISH\*

Notes:

Type:

OA5

### **SSS** Square Straight Steel Poles

ORDERIN	IG INFORMATION Lead	d times will vary depending on opti	ions selected. Consult with your sales re	presentative.		Example: S	SS 20 5C DM28AS DDBXD
SSS	23'					**V	ERIFY**
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness <sup>1</sup>	Mounting <sup>2</sup>	Options		Finish	
SSS	10'-39' (for 1/2 ft increments, add - 6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	4C 4" 11g (0.120")  4G 4" 7g (0.179")  5C 5" 11g (0.120")  5G 5" 7g (0.179")  6G 6" 7g (0.179")  (See technical information table for complete ordering information.)	Tenon mounting	Shipped installed VD JHxy HAxy FDLxy FDLSY FDLGFClxy CPL12/xy CPL34/xy CPL17/xy NPL12/xy NPL17/xy STLHHC FBCSTL2PC IC L/AB TP NEC UL BAA VM/original order#	Vibration damper <sup>4</sup> J-Hook for cable strain relief <sup>5</sup> Horizontal arm bracket (1 fixture) <sup>5,6</sup> Festoon outlet less electrical <sup>5,7</sup> Festoon with GFCI outlet and in-use cover <sup>5,8</sup> 1/2" coupling <sup>5</sup> 3/4" coupling <sup>5</sup> 1" coupling <sup>5</sup> 1" treaded nipple <sup>5</sup> 3/4" threaded nipple <sup>5</sup> 2" threaded nipple <sup>5</sup> Extra handhole cover (standard is plastic, finish is smooth) <sup>10</sup> 2 Piece steel base cover (standard is plastic, finish is smooth) <sup>10</sup> 1 Piece steel base cover (standard is plastic) <sup>10</sup> Interior coating <sup>11</sup> Less anchor bolts (Include when anchor bolts are not needed) I Tamper resistant handhole cover fasteners NEC 410.30 compliant gasketed handhole (Not UL Labeled) UL listed with label (Includes NEC compliant cover) Buy America(n) Act Compliant <sup>12</sup> Match pole to prior order or project <sup>13</sup>		Dark bronze Black Natural aluminum White Sandstone Charcoal gray Tennis green Bright red Steel blue Textured dark bronze Textured black Textured natural aluminum Textured white

### Accessories: Order as separate catalog number.

PL DT20 Plugs for ESX drillings PL DT8 Plugs for DMxxAS drillings

FVD xxFT Field installed vibration damper (snake style)

- Wall thickness will be signified with a "C" (11 Gauge) or a "G" (7-Gauge) in nomenclature. "C" 0.120" | "G" 0.179".
- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, specify as drilling option/tenon option. The combination includes a required extra handhole.
- Schample: MAZA/720.

  Refer to the fixture spec sheet for the correct drilling template pattern and orientation compatibility.

  On 4" and 5" poles, VD cannot be installed if provisions (EHH, FDL, NPL, CPL) are located higher than 2/3 of the pole's total
- height. Example: Pole height is 25ft, A provision cannot be placed above 16ft.
- Specify location and orientation when ordering option.

  For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
- For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.

  Example: 3ft = 5 and 20ft 3in = 20-3

  For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.

  Example: 1/2" coupling at 5'8", orientation C = CPL12/5-8C

  6. Horizontal arm is 18" x 2-3/8" 0.D. Lenon standard, with radius curve providing 12" rise and 2-3/8" 0.D. If ordering two
- horizontal arm at the same height, specify with HAxyy. Example: HA20BD.

- FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- Festoon option that comes with GFCI and in-use cover. GFCI and in-use cover ship separately from pole Combination of tenon-top and drill mount includes extra handhole. EHH includes cover.
- Plastic hand hole cover and base covers come standard with all poles. Items ship separately. Additional parts can be ordered
- as replacements.
- Use when mill certifications are required.
- Must add original order number. Not for replacement parts or post sales issues, contact tech support or post sales teams. VM is used to ensure poles match in appearance exactly from order to order, on a single project site. A common use case would be a multi-phase project with multiple orders. Example: VM/010-36784
- 14. Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.



POLE-SSS

OUTDOOR: One Lithonia Way Conyers, GA 30012 Phone: 800-705-SERV (7378) TechSupport-Lighting@Acuitybrands.com www.lithonia.com ©1994-2025 Acuity Brands Lighting, Inc. All rights reserved. Rev. 01/09/25

Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### Catalog Number: SSS 23 4C DM19AS \*FINISH\*

Notes:

Type:

OA5

### **SSS** Square Straight Steel Poles

TECHNICAL INFORMATION — EPA (ft²) with 1.3 gust											
		Pole Shaft Size					EPA (ft²) w	rith 1.3 gust			
Catalog Number	Nominal Shaft Length (ft.)*	(Base in. x Top in. x ft.)	Wall thick (in.)	Gauge	80 MPH	Max. weight	90 MPH	Max. weight	100 MPH	Max. weight	Approximate ship weight (lbs.)
SSS 10 4C	10	4.0 x 10.0	0.120"	11	30.6	765	23.8	595	18.9	473	75
SSS 12 4C	12	4.0 x 12.0	0.120"	11	24.4	610	18.8	470	14.8	370	90
SSS 14 4C	14	4.0 x 14.0	0.120"	11	19.9	498	15.1	378	11.7	293	100
SSS 16 4C	16	4.0 x 16.0	0.120"	11	15.9	398	11.8	295	8.9	223	115
SSS 18 4C	18	4.0 x 18.0	0.120"	11	12.6	315	9.2	230	6.7	168	125
SSS 20 4C	20	4.0 x 20.0	0.120"	11	9.6	240	6.7	167	4.5	150	140
SSS 20 4G	20	4.0 x 20.0	0.179"	7	14	350	11	275	8	200	198
SSS 20 5C	20	5.0 x 20.0	0.120"	11	17.7	443	12.7	343	9.4	235	185
SSS 20 5G	20	5.0 x 20.0	0.179"	7	28.1	703	21.4	535	16.2	405	265
SSS 25 4C	25	4.0 x 25.0	0.120"	11	4.8	150	2.6	100	1	50	170
SSS 25 4G	25	4.0 x 25.0	0.179"	7	10.8	270	7.7	188	5.4	135	245
SSS 25 5C	25	5.0 x 25.0	0.120"	11	9.8	245	6.3	157	3.7	150	225
SSS 25 5G	25	5.0 x 25.0	0.179"	7	18.5	463	13.3	333	9.5	238	360
SSS 30 4G	30	4.0 x 30.0	0.179"	7	6.7	168	4.4	110	2.6	65	295
SSS 30 5C	30	5.0 x 30.0	0.120"	11	4.7	150	2	50			265
SSS 30 5G	30	5.0 x 30.0	0.179"	7	10.7	267	6.7	167	3.9	100	380
SSS 30 6G	30	6.0 x 30.0	0.179"	7	19	475	13.2	330	9	225	520
SSS 35 5G	35	5.0 x 35.0	0.179"	7	5.9	150	2.5	100			440
SSS 35 6G	35	6.0 x 35.0	0.179"	7	12.4	310	7.6	190	4.2	105	540
SSS 39 6G	39	6.0 x 39.0	0.179"	7	7.2	180	3	75			605

**NOTE:** EPA values are based ASCE 7-93 wind map.
\* For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.

TECHNICAL INFORMATION — EPA (ft²) WITH 3-SECOND GUST PER AASHTO 2013																	
Series	Mounting Height (ft.)*	Shaft Base Size	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approximate ship weight (lbs.)
SSS	10	4C	20	500	16	400	13	325	10.5	263	8.5	213	7	175	6	150	75
SSS	12	40	16	400	13	325	10	250	8	200	6.5	163	5	125	4	100	90
SSS	14	4C	13.5	338	10	250	7.5	188	6	150	4.5	113	3.5	88	2.5	63	100
SSS	16	4C	10.5	263	7.5	188	5.5	138	4	100	3	75	1.5	38	1	25	115
SSS	18	4C	8	200	5.5	138	4	100	2.5	63	1.5	38	0.5	13	-	-	125
SSS	18	4G	13	325	9.5	238	7	175	5	125	3.5	88	2.5	63	1.5	38	185
SSS	18	5C	13	325	9.5	238	6.5	163	4.5	113	3	75	1.5	38	.5	13	170
SSS	20	40	6	150	4	100	2.5	63	1	25	-	-	-	-	-	-	140
SSS	20	4G	10.5	263	7.5	188	5.5	138	3.5	88	2	50	1	25			205
SSS	20	5C	10	250	7	175	4.5	113	2.5	63	1	25	-	-	-	-	185
SSS	20	5G	20	500	15	375	11.5	288	8.5	213	6	150	4.5	113	3	75	265
SSS	25	4C	2	50	0.5	13	-	-	-	-	-	-	-	-	-	-	170
SSS	25	4G	5.5	138	3	75	1.5	38	-	-	-	-	-	-	-	-	245
SSS	25	5C	4.5	113	2	50	-	-	-	-	-	-	-	-	-	-	225
SSS	25	5G	12	300	8.5	213	5.5	138	3	75	1.5	38	-	-	-	-	360
SSS	25	6G	19	475	13.5	338	9	225	5.5	138	3	75	1	25			445
SSS	30	4G	1.5	38	-	-	-	-	-	-	-	-	-	-	-	-	291
SSS	30	5C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265
SSS	30	5G	6.5	163	3.5	88	1	25	-	-	-	-	-	-	-		380
SSS	30	6G	11	275	6	150	2.5	63	-	-	-	-	-	-	-	-	520
SSS	35	5G	2	50	-	-	-	-	-	-	-	-	-	-	-	-	440
SSS	35	6G	4	100	-	-	-	-	-	-	-	-	-	-	-	-	540
SSS	39	6G	-	-	-	-	-	-	-	-	-	-	-	-	-	-	605

NOTE: AASHTO 2013 design criteria is the most common EPA and uses wind map ASCE7-05. Please review the project Spec document to determine the correct design criteria for the poles on your jobsite.

<sup>\*</sup>For 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.



POLE-SSS

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Pennsylvania Avenue Parking Contractor: Phaze Electric (Madison)

### Catalog Number: SSS 23 4C DM19AS \*FINISH\*

Notes:

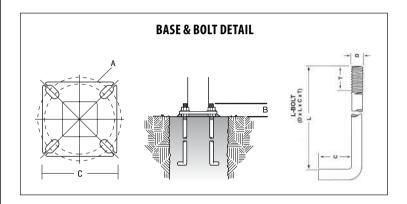
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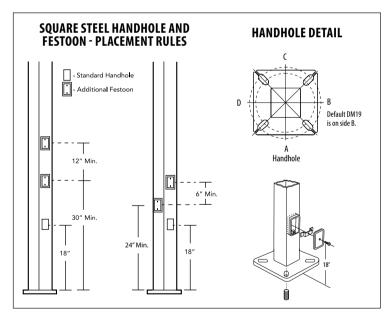
OA5

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### **SSS** Square Straight Steel Poles

ANCHORAG	ANCHORAGE AND TEMPLATE INFORMATION												
Shaft base size	Bolt circle A	Bolt projection B	Base square C	Base plate thickness	Template description	Anchor bolt description	Bolt size (in.) D x L x C	Anchor bolt/ Template Combo					
4"C	8" – 9"	3.25"- 3.75"	8"- 8.25"	0.75"	ABTEMPLATE PJ50004	AB18-0	3/4 x 18 x 3	ABSSS-4C					
4"G	8" – 9"	3.38"- 3.75"	8"- 8.25"	0.875"	ABTEMPLATE PJ50004	AB30-0	3/4 x 30 x 3	ABSSS-4G					
5"	10" – 12"	3.5"- 4"	11"	1"	ABTEMPLATE PJ50010	AB36-0	1 x 36 x 4	ABSSS-5					
6"	11" – 13"	4"- 4.50"	12.5"	1"	ABTEMPLATE PJ50011	AB36-0	1 x 36 x 4	N/A					





### IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect
  anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.
- Bolt circles have +/- 1/2" tolerance.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



POLE-SSS

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