



- THE CONTRACTOR SHALL SUPPLY A FULLY-ENGINEERED AND COORDINATED SAFETY NETTING SYSTEM AROUND THE WEST AND SOUTH COURT PERIMETER. AT LOCATIONS INDICATED ON THE PLANS, THE CONTRACTOR SHALL INSTALL THE SAFETY NETTING SYSTEM DIRECTLY TO THE COURT LIGHT POLES SO AS TO AVOID A DUPLICATE SYSTEM OF POLE SUPPORTS.
- THE COURT LIGHTING SYSTEM SHALL BE PROCURED BY AN ELECTRICAL CONTRACTOR, AND SHALL BE THE SAME CONTRACTOR PROVIDING THE COURT SAFETY NETTING. THE CONTRACTOR SHALL ENSURE THAT ENGINEERING FORCES OF BOTH THE NETTING SYSTEM AND LIGHT POLES ARE COMPATIBLE AS A COMPREHENSIVE SYSTEM DESIGN.
- THE CONTRACTOR SHALL PROCURE NECESSARY DESIGN AND ENGINEERING SERVICES REQUIRED TO COMPLETE AND INSTALL SYSTEM DESIGN AS OUTLINED BELOW AND TO ADEQUATELY MITIGATE BALL MIGRATION TO THE SOUTH AND WEST OF THE COURTS.
- THE CONTRACTOR SHALL INSTALL THE SAFETY NETTING SYSTEM AS TAUT AS POSSIBLE PER SUPPLIER'S INSTALLATION INSTRUCTIONS SO AS TO MINIMIZE SAG IN THE SYSTEM TO THE GREATEST EXTENT POSSIBLE.
- THE CONTRACTOR SHALL INSTALL THE NETTING SYSTEM PER MANUFACTURER AND SUPPLIER INSTRUCTIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL REFERENCE THE SAFETY NETTING SHOWN ON THE ARCHITECTURAL SITE PLAN AS A BASIS FOR LAYOUT. LAYOUT SHOWN ON PLANS IS SCHEMATIC. CONTRACTOR TO COORDINATE SYSTEM DESIGN WITH LIGHT POLE SYSTEM DESIGN AND LOCATIONS.

- SAFETY NETTING SYSTEM, DELEGATED DESIGN:**
- BASIS-OF-DESIGN:**
 - SUPPLIER: UNITED VOLLEYBALL SUPPLY (VOLLEYBALL USA.COM)
 - PRODUCT: 20' VOLLEYBALL COURT ENCLOSURE
 - PROVIDE NETTING PANELS 20' ABOVE GRADE. AT LENGTHS REQUIRED BETWEEN LIGHT POLES, NETTING SHALL MEET GRADE SO AS TO PREVENT BALL MIGRATION AT GRADE BELOW THE NETS.
 - NETTING SHALL BE OUTDOOR RATED, UV/MILDEW RESISTANT ROPE NETTING
 - TWINE AND MESH OPENING SIZES: TO BE SELECTED BY ARCHITECT FROM SUPPLIER'S FULL RANGE
 - MESH CONFIGURATION: DIAMOND
 - BORDER STYLE: TO BE SELECTED BY ARCHITECT FROM SUPPLIER'S FULL RANGE
 - PROVIDE ALL NECESSARY NETTING SYSTEM HARDWARE FOR ATTACHMENT TO LIGHT POLES, AND NETTING ATTACHMENT TO CABLES. ALL HARDWARE AND SYSTEM ACCESSORIES TO BE OF UNIFORM, BLACK FINISH SYSTEM HARDWARE SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
 - PROVIDE CORROSION-RESISTANT STEEL CABLE FOR NETTING ATTACHMENT ON ALL 4 SIDES. STEEL CABLE TO BE INSTALLED TAUGHT WITH NO MORE THAN 1' OF SAG.
 - PROVIDE TURNBUCKLES AT ENDS OF STEEL CABLES THAT ALLOWS FOR ADJUSTMENT AND SEASONAL RECALIBRATION.
 - PROVIDE CORROSION-RESISTANT CARABINEERS THAT PROVIDE CONSISTENT POINTS OF ATTACHMENT OF NETTING TO CABLES SUCH THAT AN OBJECT NO LARGER THAN A VOLLEYBALL COULD PASS THROUGH ANY POINT BETWEEN THE NETTING EDGE AND THE POLES.
 - PROVIDE COLLARS THAT ALLOW FOR SECURE ATTACHMENT OF CABLE SYSTEMS TO LIGHT POLES. COLLARS SHALL NOT DAMAGE LIGHT POLE FINISH.
 - PROVIDE CLEARLY IDENTIFIABLE MAN DOORS IN THE SAFETY NETTING SYSTEM AT LOCATIONS INDICATED ON THE ARCHITECTURAL SITE PLAN, AND IN ACCORDANCE WITH THE FOLLOWING PARAMETERS:
 - CLEAR OPENING AT MAN DOORS SHALL BE AT LEAST 7'-0" HIGH.
 - FRAMING AROUND DOORS SHALL BE OF A DURABLE AND CORROSION-RESISTANT METAL APPROPRIATE FOR HIGH-USE PUBLIC SPACES
 - ALL DOOR FRAMING AND COMPONENTS SHALL BLACK TO MATCH ADJACENT SYSTEM FINISHES.

COURT SAFETY NETTING SYSTEM 1G

- THE CONTRACTOR SHALL PROCURE NECESSARY DESIGN AND ENGINEERING SERVICES REQUIRED TO COMPLETE AND INSTALL SYSTEM DESIGN AS OUTLINED BELOW AND TO ADEQUATELY AND UNIFORMLY LIGHT THE COURTS AND SAND AREAS.
- THE CONTRACTOR SHALL INSTALL LIGHT POLES PERMANENTLY PLACED IN THE GROUND WITH ROUND CONCRETE POLE BASES OF SIZE REQUIRED BY THE MANUFACTURER. CONCRETE BASES SHALL PROTRUDE NO GREATER THAN 4" ABOVE GRADE.
- THE CONTRACTOR SHALL INSTALL LIGHT POLES AND NETTING SYSTEM PER MANUFACTURER AND SUPPLIER INSTRUCTIONS AND REQUIREMENTS.
- THE CONTRACTOR SHALL CONFIRM POLE BASE DESIGN WITH LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT AND INSTALLATION.
- THE CONTRACTOR SHALL REFERENCE THE LIGHTING LAYOUT SHOWN ON THE ARCHITECTURAL SITE PLAN AS A BASIS FOR LIGHTING LAYOUTS. LAYOUT SHOWN ON PLANS IS SCHEMATIC. CONTRACTOR TO COORDINATE POLE LOCATIONS AND ENSURE PROPER LIGHT LEVELS ARE BEING MET FOR SAFE NIGHTTIME PLAY.
- COURT LIGHTING SYSTEM SHALL BE PROVIDED WITH PHOTO CELL ON TIME CLOCK TO OVERIDE-TO-OFF CONTROLS.
- THE CONTRACTOR SHALL PROVIDE WEATHER-PROOF CONVENIENCE OUTLETS AT POLES BASES AT LOCATIONS NOTED ON THE PLANS. OUTLETS ARE TO BE ORIENTED INWARD TOWARD THE COURTS AND UNIFORM IN APPEARANCE AND INSTALL, UNLESS NOTED OTHERWISE. LOCKABLE, OUTLET COVERS MATCHING LIGHT POLE FINISH ARE TO BE PROVIDED.
- LIGHTING SYSTEM POLES, LIGHT HOUSINGS, AND ASSOCIATED HARDWARE AND ATTACHMENTS TO BE PROVIDED IN UNIFORM BLACK FINISH.
- THE CONTRACTOR SHALL COORDINATE THE POWER SUPPLY FOR THE LIGHTING SYSTEM WITH ENERGY EFFICIENCY PLANNING TO PROVIDE A NEW TRANSFORMER DEDICATED TO COURT LIGHTING AS SHOWN ON THE PLANS. REFER TO SHEET AS-103.
- THE COURT LIGHTING AND CONTROLS SYSTEMS SHALL COMPLY WITH 2021 IECC COMMERCIAL ENERGY PRESCRIPTIVE REQUIREMENTS.

BASE BID; SALVAGE EXISTING COURT LIGHTING:
 SALVAGE AND RE-USE EXISTING COURT LIGHTS AND PROVIDE ADDITIONAL LIGHTS TO MATCH THE EXISTING LIGHTS. THERE ARE NOT ENOUGH LIGHT POLES AT THE EXISTING VOLLEYBALL COURTS TO ACCOMMODATE THE LAYOUT DEMONSTRATED FOR THE NEW COURTS. THE CONTRACTOR SHALL CONFIRM THE EXISTING LIGHTS CAN BE SALVAGED AND RELOCATED TO THE NEW COURTS AND THAT LIGHTS MATCHING IN APPEARANCE, POLE DESIGN, LIGHTING HOUSING, HEIGHT, MOUNTING CONDITION, LIGHT OUTPUT, AND PERFORMANCE OF THE EXISTING LIGHTS CAN BE PROCURED TO PROVIDE A FINAL LIGHTING SYSTEM THAT IS UNIFORM IN APPEARANCE AND LIGHTING LEVELS AT THE NEW COURTS. ALL EXISTING LIGHT POLES SHALL BE TOUCHED UP AND/OR REFINISHED TO MATCH NEW POLES.

- EXISTING COURT LIGHTS: 16
- ALTERNATE #5; NEW COURT LIGHTING SYSTEM, DELEGATED DESIGN:**
 PROVIDE A NEW COURT LIGHTING SYSTEM ACCORDING TO THE PARAMETERS OUTLINED BELOW, IN ADDITION TO THE NUMBERED PARAMETERS OUTLINED ABOVE:
- LIGHTS MATCHING OVERALL HEIGHT OF EXISTING COURT LIGHTS
 - LIGHT POLES AND HOUSING DESIGNED WITH LITTLE TO NO ORNAMENTATION ACCORDING TO THE LIGHT DESIGN BENCHMARKS DEMONSTRATED ON SHEET R-002.

COURT LIGHTING SYSTEM 1C

- THE CONTRACTOR SHALL SUPPLY A FULLY-ENGINEERED AND COORDINATED COURT LIGHTING SYSTEM FOR THE NEW VOLLEYBALL COURTS.
- THE COURT LIGHTING AND SAFETY NETTING SYSTEM SHALL BOTH BE PROCURED BY AN ELECTRICAL CONTRACTOR. THE CONTRACTOR SHALL ENSURE THAT ENGINEERING FORCES OF BOTH THE NETTING SYSTEM AND LIGHT POLES ARE COMPATIBLE AS A COMPREHENSIVE SYSTEM DESIGN.
- IF A NEW COURT LIGHTING SYSTEM IS ACCEPTED (ALTERNATE #5), PRIOR TO SHOP DRAWING PROCUREMENT, THE LIGHTING DESIGNER SHALL PROVIDE PRODUCT DATA OF LIGHT POLE AND HOUSING DESIGN TO THE ARCHITECT FOR REVIEW AND APPROVAL.
- FOR THE OWNER AND ARCHITECT'S REVIEW AND APPROVAL, PROVIDE A SINGLE SHOP DRAWING AND PRODUCT DATA PACKAGE FOR SYSTEM DESIGN, INCLUDING THE FOLLOWING: LIGHT POLE AND SAFETY NETTING SYSTEM INDICATING COMPONENT SIZING, HEIGHTS, AND RELATIONSHIPS; LIGHT POLE PRODUCT AND FINISH; POLE BASE SIZES; PHOTOMETRIC DESIGN FOR COURT LIGHTING, OUTLET LOCATIONS, NETTING SYSTEM SPECIFICATIONS AND COMPONENT PARTS; NETTING SYSTEM ATTACHMENT DETAILS, AND NETTING SYSTEM MAN DOOR LOCATIONS, SIZES, OPERATION, AND APPEARANCE. SHOP DRAWINGS SHALL INCLUDE BOTH PLAN AND ELEVATION DRAWINGS AT A MINIMUM, SHOWING SAFETY NETTING SYSTEM MAN DOORS AND STANDARD CONNECTIONS TO LIGHT POLES. THE SHOP DRAWINGS SHALL BE SEALED BY PROFESSIONAL ENGINEER(S) FOR BOTH THE ELECTRICAL AND STRUCTURAL ENGINEERING DESIGN REQUIRED TO ENGINEER THE SYSTEM. REFER TO DELEGATED DESIGN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE OWNER WITH OPERATIONS AND MAINTENANCE MANUALS FOR LIGHTING AND NETTING SYSTEM, INCLUDING PHOTO CELL ON TIME CLOCK.
- PROVIDE OWNER WITH WARRANTY INFORMATION, IF AVAILABLE, FOR COURT LIGHTING AND SAFETY NETTING SYSTEM, INCLUDING SYSTEM WARRANTY OF COMPONENT PARTS.
- ALL LIGHT POLE AND SAFETY NETTING SYSTEM ELEMENTS SHALL BE ADJUSTED TO BE PLUMB AND SQUARE.

GENERAL NOTES 1A

ARCHITECTURAL SITE PLAN 1" = 20'-0" 6C

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| <ul style="list-style-type: none"> EXISTING CONDITIONS NEW CONSTRUCTION MPD BOUNDARY STREETCAR PERMANENT EASEMENT & CONSTRUCTION LIMITS | <ul style="list-style-type: none"> LIGHT POLES CONVENIENCE OUTLET PROVIDED AT LIGHT POLE BASE LIGHT POLE ALIGNMENT AXIS NETTING NETTING MAN DOOR LOCATION | <ol style="list-style-type: none"> NEW HARDSCAPE, RE: LANDSCAPE DWGS VOLLEYBALL COURT SAND EXTENTS, RE: LANDSCAPE DWGS COURT NETS AND POLES SAFETY NETTING SYSTEM COURT LIGHTING SYSTEM PLASTIC EDGE CONTAINING COURT SAND, RE: LANDSCAPE DWGS SALVAGED AND RELOCATED SITE BOULDERS, RE: LANDSCAPE DWGS SITE FURNITURE, OWNER-FURNISHED OWNER-INSTALLED, RE: LANDSCAPE DWGS NEW FOOT WASH STATION, RE: LANDSCAPE DWGS BOTTLE FILLER, RE: LANDSCAPE DWGS STORAGE CONTAINER, RE: LANDSCAPE DWGS LANDSCAPED BERMS, RE: LANDSCAPE COURT BOUNDARY LINE SYSTEM EXISTING SIDEWALK LIGHT POLE TO BE SALVAGED AND RETURNED TO OWNER EXISTING SIDEWALK LIGHT POLE TO BE RELOCATED SALVAGED AND RELOCATED SIDEWALK LIGHT POLE CONCRETE TRANSFORMER PAD, RE: AS-103 |
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ARCHITECTURAL SITE PLAN LEGEND 6A

ISSUED FOR:	DATE:
ADDENDUM 01	12.15.2023
ADDENDUM 02	12.19.2023

SAFETY NETTING & LIGHTING SYSTEM PARAMETERS AS-101

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RELATED DOCUMENTS: This Drawing may be part of an integrated set of Construction Documents, including the executed Agreement, the General and Supplemental Conditions of the Contract, Division-01 "General Requirements", and applicable "Technical" Specification Sections. The Contract Documents are complementary; what is required by one is as binding as if required by all. Other documents affecting the Work may include Geotechnical recommendations, Manufacturer's Product Data and installation requirements, Shop Drawings and Coordination Drawings. Failure to review applicable documents does not reduce the obligation to provide complete and operational building components.

THE INTENT OF THE CONTRACT DOCUMENTS is to include all items necessary for completion of the construction Work indicated. Except as otherwise indicated, provide (furnish and install) all products, materials, equipment, options, items or accessories necessary for proper operation and use, in accordance with product manufacturer's requirements, and comply with applicable laws, codes and ordinances of Authorities Having Jurisdiction (AHJ).

VERIFY EXISTING CONDITIONS AND DIMENSIONS prior to construction. Calculate and measure dimensions - DO NOT SCALE THE DRAWINGS unless so directed by the Architect. Dimensions indicated are to the face of a material unless otherwise indicated. Application of a material or equipment item to Work installed by others constitutes acceptance of that Work, and assumption of responsibility for subsequent satisfactory installation.

THIS DRAWING WAS PREPARED under the Architect's supervision, and is an "Instrument of Service" intended solely for use on this Project. The Architect's Services are performed solely in the interest of the Architect's Client - no obligation is assumed by the Architect for the benefit of any other entity involved in the Construction Work. The information, ideas and designs indicated - including the overall form, arrangement and composition of spaces or building elements - constitutes the original, confidential, and unpublished Work and property of the architect. Possession of this Drawing confers no right or license to disclose to others the subject matter contained herein for any but authorized purposes. Unauthorized use, reproduction or distribution - in whole or in part - is strictly prohibited. Copyright © 2023 by KEM STUDIO.

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FOR INFORMATION ONLY