

HISTORIC AND DESIGN REVIEW COMMISSION

March 20, 2019

HDRC CASE NO: 2019-103
COMMON NAME: Vidaurri Park
ADDRESS: 1201 MERIDA ST
LEGAL DESCRIPTION: NCB 6243 BLK 10 LOT 1, 2, 19 THRU 25
ZONING: MF-33
CITY COUNCIL DIST.: 5
APPLICANT: Mark Padilla/MP Studio
OWNER: City of San Antonio Parks Dept
TYPE OF WORK: Park Improvements
APPLICATION RECEIVED: March 01, 2019
60-DAY REVIEW: April 30, 2019
REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to carry out various park improvements, including the construction of a shade structure in the existing playground, as well as a new fitness equipment area.

APPLICABLE CITATIONS:

UDC Sec. 35-641. - Design Considerations for Historic and Design Review Commission Recommendations.

In reviewing an application, the historic and design review commission shall be aware of the importance of attempting to find a way to meet the current needs of the City of San Antonio, lessee or licensee of public property. The historic and design review commission shall also recognize the importance of recommending approval of plans that will be reasonable to implement. The best urban design standards possible can and should be employed with public property including buildings and facilities, parks and open spaces, and the public right-of-way. Design and construction on public property should employ such standards because the use of public monies for design and construction is a public trust. Public commitment to quality design should encourage better design by the private sector. Finally, using such design standards for public property improves the identity and the quality of life of the surrounding neighborhoods.

UDC Sec 35-642. – New Construction of Buildings and Facilities:

In considering whether to recommend approval or disapproval of a certificate, the historic and design review commission shall be guided by the following design considerations. These are not intended to restrict imagination, innovation or variety, but rather to assist in focusing on design principles, which can result in creative solutions that will enhance the city and its neighborhoods. Good and original design solutions that meet the individual requirements of a specific site or neighborhood are encouraged and welcomed.

(a) Site and Setting.

(1) Building sites should be planned to take into consideration existing natural climatic and topographical features. The intrusive leveling of the site should be avoided. Climatic factors such as sun, wind, and temperature should become an integral part of the design to encourage design of site-specific facilities which reinforces the individual identity of a neighborhood and promotes energy efficient facilities.

(2) Special consideration should be given to maintain existing urban design characteristics, such as setbacks, building heights, streetscapes, pedestrian movement, and traffic flow. Building placement should enhance or create focal points and views. Continuity of scale and orientation shall be emphasized.

(3) Accessibility from streets should be designed to accommodate safe pedestrian movement as well as vehicular traffic. Where possible, parking areas should be screened from view from the public right-of-way by attractive fences, berms, plantings or other means.

(4) Historically significant aspects of the site shall be identified and if possible incorporated into the site design. Historic relationships between buildings, such as plazas or open spaces, boulevards or axial relationships should be maintained.

(b) Building Design.

(1) Buildings for the public should maintain the highest quality standards of design integrity. They should elicit a pride of ownership for all citizens. Public buildings should reflect the unique and diverse character of San Antonio and should be responsive to the time and place in which they were constructed.

(2) Buildings shall be in scale with their adjoining surroundings and shall be in harmonious conformance to the identifying quality and characteristics of the neighborhood. They shall be compatible in design, style and

materials. Reproductions of styles and designs from a different time period are not encouraged, consistent with the secretary of the interior's standards. Major horizontal and vertical elements in adjoining sites should be respected.

(3) Materials shall be suitable to the type of building and design in which they are used. They shall be durable and easily maintained. Materials and designs at pedestrian level shall be at human scale, that is they shall be designed to be understood and appreciated by someone on foot. Materials should be selected that respect the historic character of the surrounding area in texture, size and color.

(4) Building components such as doors, windows, overhangs, awnings, roof shapes and decorative elements shall all be designed to contribute to the proportions and scale of their surrounding context. Established mass/void relationships shall be maintained. Patterns and rhythms in the streetscape shall be continued.

(5) Colors shall be harmonious with the surrounding environment, but should not be dull. Choice of color should reflect the local and regional character. Nearby historic colors shall be respected.

(6) Mechanical equipment or other utility hardware should be screened from public view with materials compatible with the building design. Where possible, rooftop mechanical equipment should be screened, even from above. Where feasible, overhead utilities should also be underground or attractively screened. Exterior lighting shall be an integral part of the design. Interior lighting shall be controlled so that the spillover lighting onto public walkways is not annoying to pedestrians.

(7) Signs which are out of keeping with the character of the environment in question should not be used. Excessive size and inappropriate placement on buildings results in visual clutter. Signs should be designed to relate harmoniously to exterior building materials and colors. Signs should express a simple clear message with wording kept to a minimum.

(8) Auxiliary design. The site should take into account the compatibility of landscaping, parking facilities, utility and service areas, walkways and appurtenances. These should be designed with the overall environment in mind and should be in visual keeping with related buildings, structures and places.

FINDINGS:

- a. The property located at 1201 Merida is a public park with the common name of Vidaurri Park and is situated to the west of Downtown. The applicant is requesting approval for various park improvements.
- b. PARK IMPROVEMENTS – The applicant has proposed various park improvements, including the construction of a fabric shade structure in the existing playground, as well as a new fitness equipment area. Staff finds the proposal consistent with the UDC.
- c. ARCHAEOLOGY – The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology.

RECOMMENDATION:

Staff recommends approval based on findings a through c with the following stipulation:

- i. ARCHAEOLOGY – The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology.



Flex Viewer

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Printed:Mar 12, 2019

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Carvajal Early Childhood

Caly's togo tacos
Mexican Restraunt

Good Samaritan Center

1201 Merida Street

Templo Monte De Cion

St Time
Catholic Chu

Merida St

Merida St

Merida St

Merida St

Barclay St

Paso Del Sur St

Plaza del Sol St

SW 19th St

Clock Ln

VIDAURRI PARK



New fabric shade structure over existing playground



New fitness equipment area installed in open lawn area

2017-2022 BOND PROGRAM

COSA DISTRICT 5 PARKS

VIDAURRI PARK

San Antonio, Texas

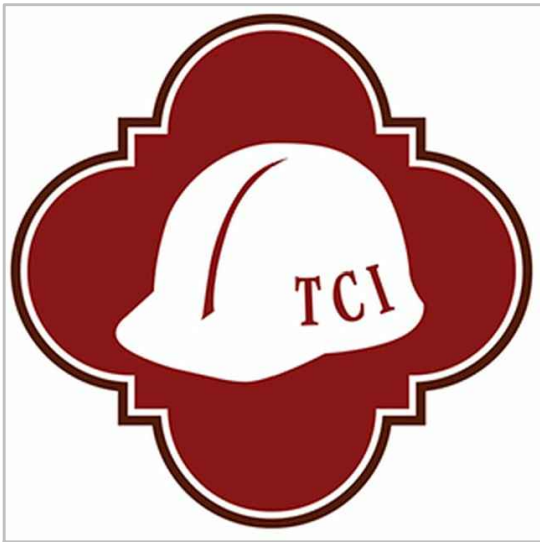
Sitework

CITY OF SAN ANTONIO	
mayor	council district 5
RON NIRENBERG	SHIRLEY GONZALES
city manager	council district 6
SHERYL SCULLEY	GREG BROCKHOUSE
director of parks & recreation	council district 7
XAVIER D. URRUTIA	ANA SANDOVAL
council district 1	council district 8
ROBERTO TREVINO	MANNY PELAEZ
council district 2	council district 9
CRUZ SHAW	JOHN COURAGE
council district 3	council district 10
REBECCA VIAGRAN	CLAYTON PERRY
council district 4	
REY SALDANA	

INDEX OF SHEETS			
DATE	ISSUE	SHEET TITLE	SHEET NO.
REFERENCE			
DECEMBER 12, 2018	FOR CONSTRUCTION	COVER SHEET	LC 1.0
DECEMBER 12, 2018	FOR CONSTRUCTION	GENERAL NOTES	LC 1.1
SITEWORK			
DECEMBER 12, 2018	FOR CONSTRUCTION	OVERALL SITE PLAN	LS 1.0
DECEMBER 12, 2018	FOR CONSTRUCTION	SITE PLAN	LS 1.1

A PROJECT BY	
TCI-project manager	landscape architect
TCI - CITY OF SAN ANTONIO	MP STUDIO
CONTACT: PAT SCHNEIDER 114 WEST COMMERCE ST. SAN ANTONIO, TEXAS 78283 O: 210.207.8466 E: patrickschneider@sanantonio.gov	CONTACT: MARK PADILLA 201 GROVETON STREET SAN ANTONIO, TX 78210 O: 210.314.5582 E: mark@mpstud.io

PRIME CONSULTANT



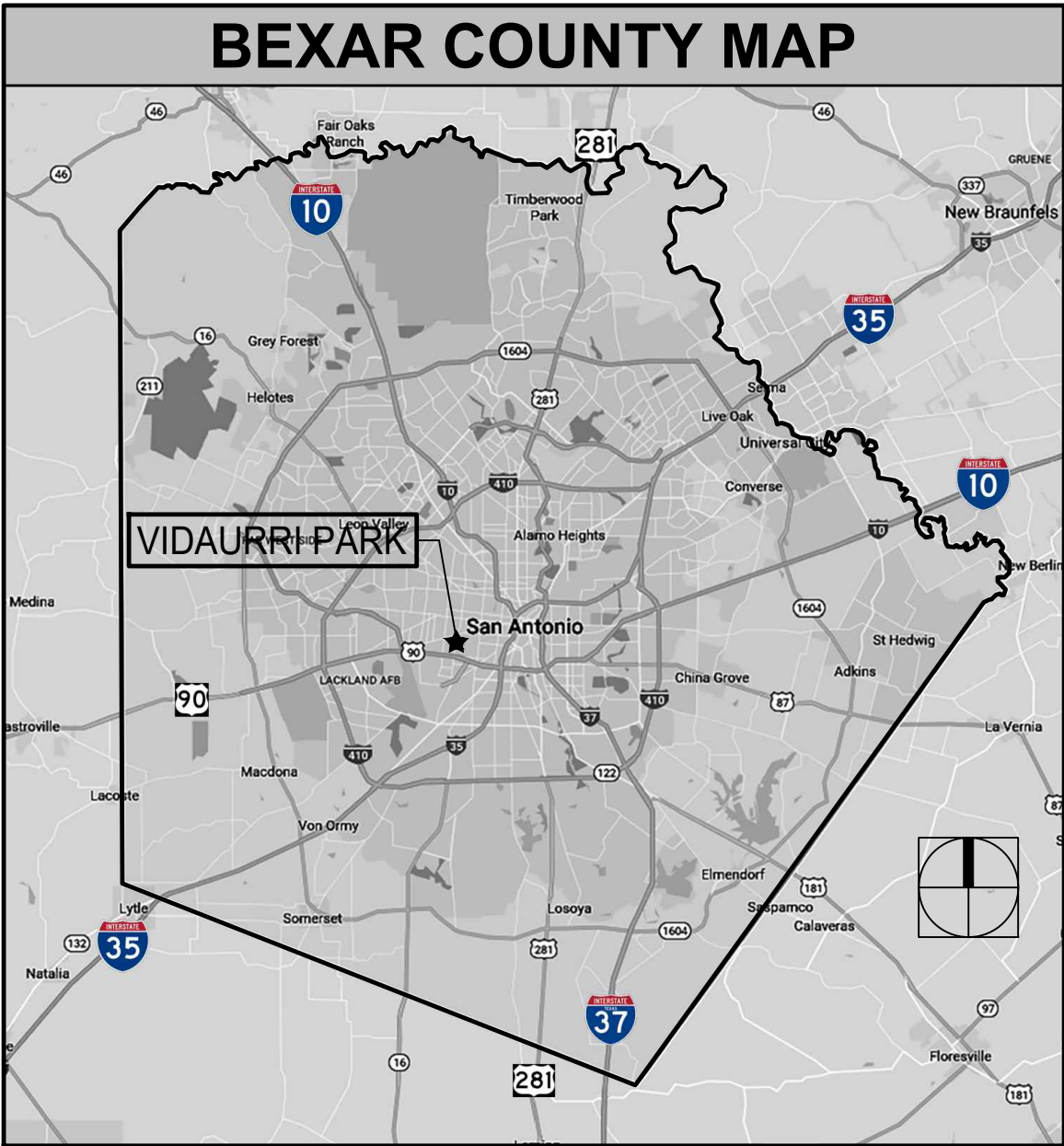
City of San Antonio, Texas

Parks & Recreation Department

DISTRICT 5 PARKS

Vidaurri Park

1201 MERIDA ST,
SAN ANTONIO, TX 78207



MPSTUDIO

201 GROVETON | SATX 78210
210.314.5582 | MPSTUD.IO

STATUS

12/12/2018

PROJECT

VIDAURRI PARK

COSA DISTRICT 5 PARK

PROJECT ADDRESS

1201 MERIDA STREET
SAN ANTONIO, TX 78207

OWNER | CLIENT

TCI - CITY OF SAN ANTONIO
114 WEST COMMERCE ST.
SAN ANTONIO, TX 78283

OWNER'S REPRESENTATIVE

PAT SCHNEIDER
210.207.8466
Patrick.Schneider@sanantonio.gov

SUBCONSULTANT

REVISIONS		
ISSUE SETS		
NO.	DATE	DESCRIPTION
1	12.12.18	100% CD SET
SHEET INFORMATION		
PROJECT NO.		
18001		
DATE ISSUED		
DECEMBER 12, 2018		
SHEET NAME		
LANDSCAPE COVER SHEET		
SHEET NUMBER		
LC 1.0		

GENERAL LEGEND	
ABBREVIATIONS	
SYMBOL	DESCRIPTION
AD	AREA DRAIN
BC	BOTTOM OF CURB
BOC	BACK OF CURB
BW	BOTTOM OF WALL
CL	CENTER LINE
ESMT	EASEMENT
EOP	EDGE OF PAVEMENT
EJ	EXPANSION JOINT
FOC	FACE OF CURB
FFE	FINISH FLOOR ELEVATION
FH	FIRE HYDRANT
HP	HIGH POINT
INV	INVERT OF PIPE
L.O.C.	LIMITS OF CONSTRUCTION
N.I.C.	NOT IN CONTRACT
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OHE	OVERHEAD ELECTRIC
PD	PLANTER DRAIN
PA	PLANTING AREA
PP	POWER POLE
POB	POINT OF BEGINNING
R.O.W.	RIGHT OF WAY
TAN	POINT OF TANGENCY
SD	STORM DRAIN
SS	SANITARY SEWER
TD	TOP OF DRAIN
TPC	TOP OF POOL COPING
TC	TOP OF CURB
TF	TOP OF FOOTING
TW	TOP OF WALL
UGE	UNDERGROUND ELECTRIC
U.N.O.	UNLESS NOTED OTHERWISE
WD	WATER DEPTH
WL	WATER LEVEL

SYMBOLS & LINE TYPES	
SYMBOL	DESCRIPTION
REF: 	ENLARGEMENT AREA W/ CALLOUT
	DETAIL CALLOUT
	MATERIALS & FINISHES CALLOUT
	SECTION CALLOUT
	ELEVATION CALLOUT
XXXXX →	SITework LABEL
QTY-XXX →	PLANTING LABEL
— — XXX — —	EXISTING TOPOGRAPHY - MINOR
— — XXX — —	EXISTING TOPOGRAPHY - MAJOR
— — XXX — —	PROPOSED TOPOGRAPHY - MINOR
— — XXX — —	PROPOSED TOPOGRAPHY - MAJOR
	PROPOSED SPOT ELEVATION
	PROPOSED DATUM ELEVATION
— — X" — —	PIPE SIZE
....<	WATER FLOW / SWALE DIRECTION
	ELECTRICAL METER
	JUNCTION BOX
— — — — —	CONDUIT
	HOME RUN
	SIGN LIGHT
	TREE OR SIGN BULLET UPLIGHT
	POLE LIGHT
	GFI ELECTRICAL OUTLET

MATERIALS SCHEDULE					
SITE MATERIALS					
KEY	DESCRIPTION / MODEL NUMBER	COLOR	FINISH	SOURCE	REMARKS
S.1	CONCRETE • 5,804 TOTAL SF	STANDARD GREY	BROOM	LOCAL SOURCE	• CONTRACTOR TO SUBMIT PRODUCT DATA AND SAMPLE FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION

PLAY STRUCTURES					
KEY	DESCRIPTION / MODEL NUMBER	COLOR	FINISH	SOURCE	REMARKS
P.1	EXTREME QUINTUPLE STEPS MODEL# 244062	BLACK PLATFORMS RED METAL STANDS	PROSHIELD	COMPANY: WHIRLIX DESIGN INC. CONTACT: TRACEY EDGAR PHONE: 800.975.2147 EMAIL: tedgar@whirlix.com	• INSTALL PER MANUFACTURER'S RECOMMENDATIONS • CONTRACTOR TO SUBMIT PRODUCT DATA FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION
P.2	EXTREME ROPE CLIMB MODEL#244199	BLACK POSTS RED ETRENSION	PROSHIELD	COMPANY: WHIRLIX DESIGN INC. CONTACT: TRACEY EDGAR PHONE: 800.975.2147 EMAIL: tedgar@whirlix.com	• INSTALL PER MANUFACTURER'S RECOMMENDATIONS • CONTRACTOR TO SUBMIT PRODUCT DATA FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION
P.3	EXTREME VERTICAL CARGO MODEL: 243019	BLACK POSTS RED TOP CROSS BAR	PROSHIELD	COMPANY: WHIRLIX DESIGN INC. CONTACT: TRACEY EDGAR PHONE: 800.975.2147 EMAIL: tedgar@whirlix.com	• INSTALL PER MANUFACTURER'S RECOMMENDATIONS • CONTRACTOR TO SUBMIT PRODUCT DATA FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION
P.4	EXTREME HIGH STEP MODEL: 244064	BLACK POST	PROSHIELD	COMPANY: WHIRLIX DESIGN INC. CONTACT: TRACEY EDGAR PHONE: 800.975.2147 EMAIL: tedgar@whirlix.com	• INSTALL PER MANUFACTURER'S RECOMMENDATIONS • CONTRACTOR TO SUBMIT PRODUCT DATA FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION
P.5	FOREVER LAWN - SPORTSGRASS ARENA	DEEP GREEN	STANDARD	COMPANY: WHIRLIX DESIGN INC. CONTACT: TRACEY EDGAR PHONE: 800.975.2147 EMAIL: tedgar@whirlix.com	• INSTALL PER MANUFACTURER'S RECOMMENDATIONS • CONTRACTOR TO SUBMIT PRODUCT DATA FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION

GENERAL NOTES:

- 1.) LOCATE AND VERIFY THE CONDITION OF EXISTING UTILITIES PRIOR TO EXCAVATION. TAKE RESPONSIBILITY OF CONTACTING LINE LOCATION SERVICES AND ANY COST INCURRED FOR BODILY INJURY AND / OR DAMAGE OF OWNER'S PROPERTY OR SAID UTILITIES.
- 2.) THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY DISCREPANCIES DISCOVERED BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE LIABLE FOR ALL MODIFICATIONS AND DAMAGES IF WORK PROCEEDS WITHOUT THIS NOTIFICATION.
- 3.) THE CONTRACTOR IS RESPONSIBLE FOR ALL ASPECTS OF MAINTAINING A SAFE WORK SITE INCLUDING, BUT NOT LIMITED TO PROVIDING FOR TRAFFIC CONTROL, INSTALLATION AND PLACEMENT OF FENCING AND BARRICADES, EXCAVATION AND TRENCH PROTECTION, AND COMPLIANCE WITH ALL FEDERAL AND LOCAL REGULATIONS AND CODES. ALL SAFETY EXPOSURES OR VIOLATIONS SHALL BE RECTIFIED IMMEDIATELY.
- 4.) THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXISTING IMPROVEMENTS BOTH ON SITE AND ADJACENT TO THE WORK SITE AND SHALL REPAIR ANY DAMAGE TO THESE IMPROVEMENTS TO THE SATISFACTION OF THE OWNER.
- 5.) THE CONTRACTOR SHALL NOTIFY OWNER AND LANDSCAPE ARCHITECT 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
- 6.) ANY ALTERNATES AND OR SUBSTITUTIONS PROPOSED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL. CHANGES TO THE SCOPE OF WORK AND / OR CONTRACT DOCUMENTS RESULTING FROM THE ACCEPTANCE OF THE CONTRACTOR'S ALTERNATES AND / OR SUBSTITUTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 7.) THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF TRASH ON A DAILY BASIS.
- 8.) THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. PRIOR TO CONSTRUCTION, ALL PERMITS AND APPROVALS REQUIRED FOR CONSTRUCTION OF THE PROJECT SHALL BE PAID FOR AND OBTAINED BY THE CONTRACTOR (PLAN REVIEW FEES ARE PAID BY OWNER) COSTS FOR PERMITS SHALL BE INCLUDED IN THE BID. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME AWARE OF REQUIRED INSPECTIONS THAT ARE ASSOCIATED WITH PERMITS ISSUED FOR THE WORK AND TO SCHEDULE THESE INSPECTIONS AT THE APPROPRIATE STAGE OF CONSTRUCTION. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO ROUGH-IN ELECTRICAL, ROUGH-IN PLUMBING,IRRIGATION PIPING, FOUNDATION STEEL FOR STRUCTURES (INCLUDING WALLS), FIRE INSPECTIONS RELATED TO ENTRY GATES AND ASSOCIATED STRUCTURES AND OTHERS AS MAY APPLY.
- 9.) COORDINATE WORK WITH SUBCONTRACTORS TO ACCOMPLISH THE SCOPE OF WORK AS SHOWN AND NOTED IN THE CONTRACT DOCUMENTS AS WELL AS, COORDINATE CONSTRUCTION WITH OTHER CONTRACTORS WORKING ON THE SITE.
- 10.) THE CONTRACTOR SHALL COORDINATE THE STORING OF MATERIALS, PARKING OF VEHICLES, AND RESTRICTIONS OF WORK AND ACCESS WITH THE OWNER. UNDER NO CIRCUMSTANCES SHALL ANY CONTRACTOR STORE MATERIALS, PARK VEHICLES OR EQUIPMENT UNDER THE CANOPY OF EXISTING TREES.
- 11.) UNLESS SPECIFIED OTHERWISE, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND PAYING ALL TEMPORARY UTILITIES AND SERVICES NECESSARY TO COMPLETELY INSTALL ALL WORK AS SHOWN AND NOTED IN THE CONTRACT DOCUMENTS.
- 12.) THE CONTRACTOR IS RESPONSIBLE FOR THE LEGAL OFF-SITE DISPOSAL OF SURPLUS MATERIAL AND DEBRIS.
- 13.) UPON COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL APPROVAL, THE CONTRACTOR SHALL THOROUGHLY CLEAN THE PROJECT SITE OF ALL TRASH, REPAIR ALL DAMAGE TO FINISH GRADE, INCLUDING TAILINGS FROM EXCAVATIONS, WHEEL RUTS AND ANY SETTLING OR EROSION THAT HAS OCCURRED PRIOR TO COMPLETION. ALL AREAS OF THE PROJECT SITE SHALL BE LEFT IN A NEAT AND PRESENTABLE CONDITION SATISFACTORY TO THE OWNER PRIOR TO SUBMITTAL OF THE FINAL PAYMENT.
- 14.) THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND SERVICING TEMPORARY TOILET FACILITIES.

CONCRETE NOTES:

- 1.) ALL CONCRETE CONSTRUCTION, DETAILING AND ERECTION SHALL CONFORM TO THE FOLLOWING:
- A.) ACI #301: SPECIFICATIONS
- B.) ACI #318: BUILDING CODE REQUIREMENTS
- C.) ACI #315: MANUAL OF STANDARD PRACTICE
- 2.) CONCRETE MATERIALS SHALL CONFORM TO THE FOLLOWING ASTM REQUIREMENTS:
- A.) AGGREGATE - C33
- B.) READY MIXED CONCRETE - C94
- C.) PORTLAND CEMENT - C150
- D.) FIELD CYLINDERS - C31
- E.) COMPRESSIVE TESTING - C39
- 3.) ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WEIGHING NOT MORE THAN 145 PCF AND SHALL HAVE A MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI.
- 4.) THE WATER/CEMENT RATIO FOR STRUCTURAL CONCRETE SHALL NOT EXCEED 0.53.
- 5.) TOTAL AIR CONTENT SHALL BE 3 TO 5 PERCENT.
- 6.) PUMPED CONCRETE SHALL MEET THESE ADDITIONAL REQUIREMENTS:
- A.) MAXIMUM COARSE AGGREGATE SIZE - 1 INCH
- B.) INCREASE CEMENT FACTOR BY 1/2 SACK PER CUBIC YARD.
- C.) MAXIMUM SLUMP - 5 INCHES
- D.) DO NOT PUMP THROUGH AN ALUMINUM TUBE.
- 7.) CONCRETE SHALL NOT BE PLACED PRIOR TO APPROVAL OF THE CONCRETE MIX DESIGNS BY THE LANDSCAPE ARCHITECT. THE MIX DESIGNS SHALL NOT BE APPROVED PRIOR TO RECEIPT OF COMPRESSIVE TEST RESULTS FROM AN INDEPENDENT TESTING LABORATORY CERTIFYING ADEQUATE STRENGTH OF THE MIX DESIGNS AT 28 DAYS.
- 8.) HORIZONTAL CONSTRUCTION JOINTS ARE ONLY ALLOWED IN SLABS OF BEAMS WITH WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. CONTROL JOINTS SHALL BE PLACED MAXIMUM 25' O.C. AS REQUIRED WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT.

CONCRETE REINFORCEMENT

- 1.) ALL REINFORCEMENT SHALL BE DEFORMED BILLET STEEL (GR.60) CONFORMING TO ASTM A615.
- A.) REINFORCING - A615, GRADE 60, DEFORMED
- B.) WELDED WIRE MESH - A185, GRADE 60
- 2.) SPLICES OF HORIZONTAL REINFORCEMENT SHALL LAP AT LEAST 24" AND SHALL BE CONTINUOUS AROUND CORNERS. MAINTAIN AT LEAST 1" BETWEEN REINFORCING BARS AT SPLICES IN BEAMS AND SLABS. REINFORCING BARS SCHEDULED AS CONTINUOUS SHALL BE LAPPED 24".
- 3.) DETAILING FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI 315).
- 4.) STANDARD PROTECTIVE COVER FOR REINFORCING, UNLESS NOTED OTHERWISE, SHALL BE AS OUTLINED IN ACI 318-83:
- A.) AGAINST DIRT OF FILL - 3 INCHES
- B.) EXPOSED TO EARTH OR WEATHER - 2 INCHES
- C.) SLABS AND WALLS - 1 INCH
- D.) OTHER - 1 1/2 INCHES
- 5.) PROVIDE SHOP DRAWINGS OF REINFORCING AND ACCESSORIES FOR REVIEW BY ARCHITECT. SHOP DRAWINGS SHALL CLEARLY INDICATE LOCATION, SIZE, SPACING, SPLICES AND PIECE MARK FOR ALL REINFORCING STEEL. THE SHOP DRAWINGS SHALL PROVIDE SUFFICIENT DETAIL TO PERMIT PLACEMENT OF REINFORCEMENT WITHOUT THE USE OF THE DESIGN DRAWINGS AND SHALL INCLUDE A COMPLETE BILL OF MATERIALS.
- 6.) FABRICATION OF REINFORCING STEEL SHALL NOT COMMENCE UNTIL SUBMITTALS HAVE BEEN REVIEWED BY LANDSCAPE ARCHITECT.



201 GROVETON | SATX 78210
210.314.5582 | MPSTUD.IO

STATUS



12/12/2018

PROJECT

VIDAURRI PARK

COSA DISTRICT 5 PARK

PROJECT ADDRESS

1201 MERIDA STREET
SAN ANTONIO, TX 78207

OWNER | CLIENT

TCI - CITY OF SAN ANTONIO

114 WEST COMMERCE ST.
SAN ANTONIO, TX 78283

OWNER'S REPRESENTATIVE

PAT SCHNEIDER

210.207.8466

Patrick.Schneider@sanantonio.gov

SUBCONSULTANT

REVISIONS

ISSUE SETS

NO.	DATE	DESCRIPTION
1	12.12.18	100% CD SET

SHEET INFORMATION

PROJECT NO.

18001

DATE ISSUED

DECEMBER 12, 2018

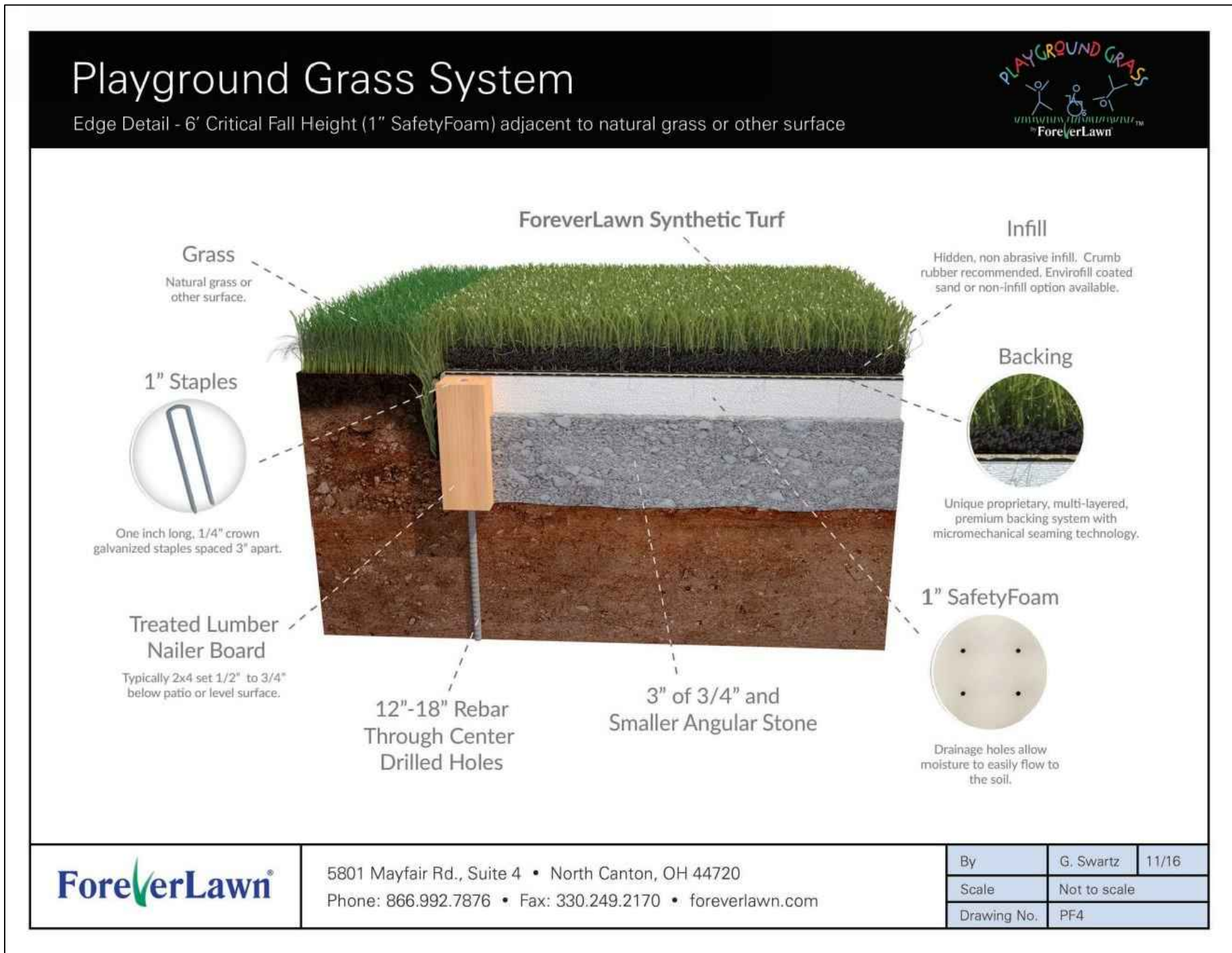
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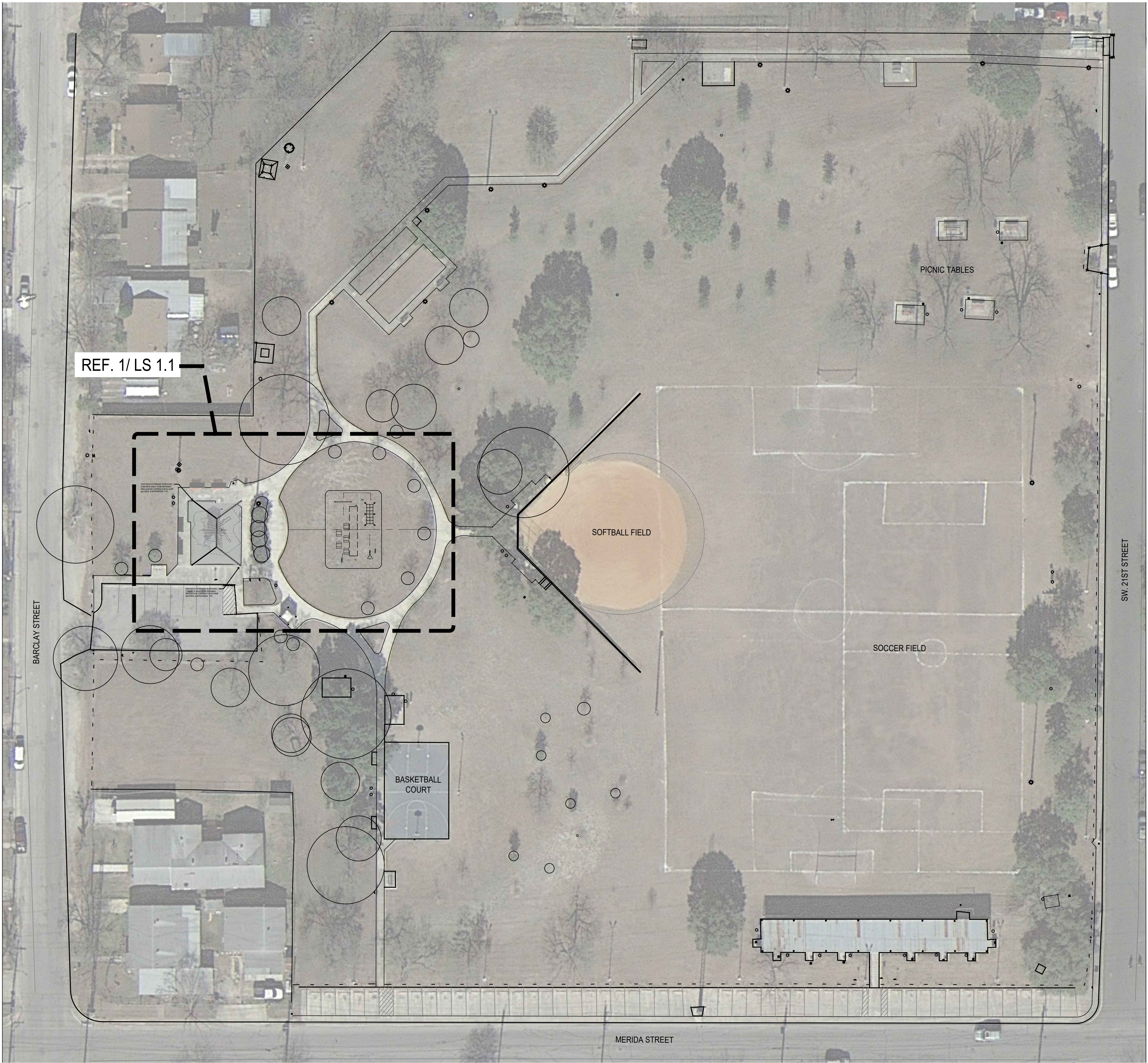
GENERAL NOTES

SHEET NUMBER

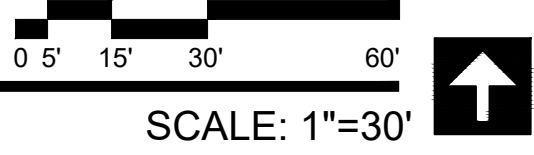
LC 1.1

SPORTS LAWN EDGE DETAIL





1 VIDAURRI PARK OVERALL REFERENCE
PLAN



201 GROVETON | SATX 78210
210.314.5582 | MPSTUD.IO

STATUS



PROJECT

VIDAURRI PARK

COSA DISTRICT 5 PARK

PROJECT ADDRESS

1201 MERIDA STREET
SAN ANTONIO, TX 78207

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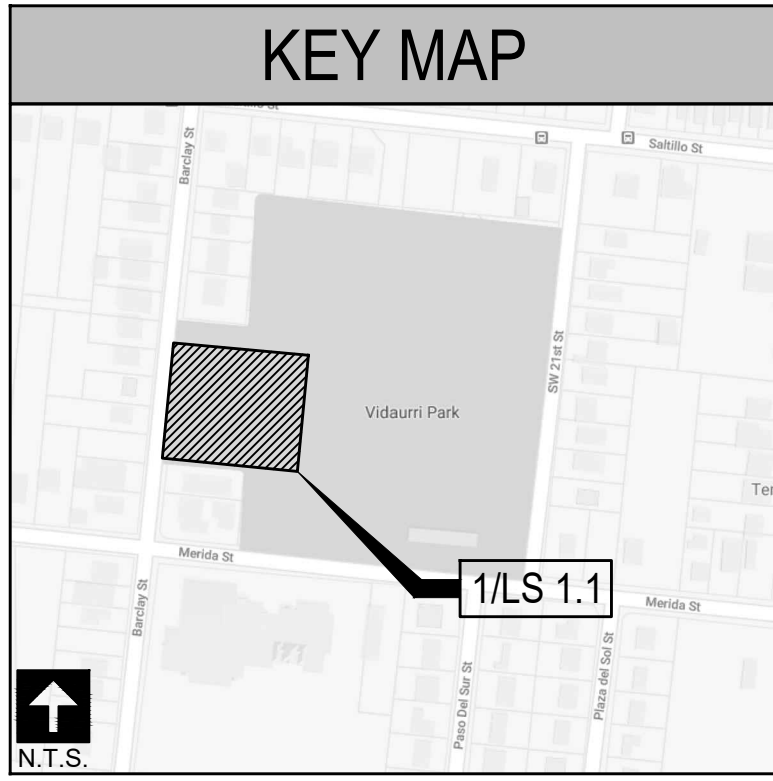
DECEMBER 12, 2018

SHEET NAME

SITE WORK PLAN

SHEET NUMBER

LS 1.0



201 GROVETON | SATX 78210
210.314.5582 | MPSTUD.IO

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VIDAURRI PARK

COSA DISTRICT 5 PARK

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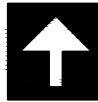
SITE WORK PLAN

SHEET NUMBER

LS 1.1



SCALE: 1"=10'



NOTES:
-THESE DRAWINGS ARE A PICTORIAL REPRESENTATION OF FABRIC AND STEEL ONLY. NONE OF THE REQUIRED ATTACHMENT OR CONNECTION DETAILS HAVE BEEN DEPICTED.
-ALL DIMENSIONS AND HEIGHTS MUST BE FIELD VERIFIED PRIOR TO ANY FINAL DESIGN, FABRICATION OR INSTALLATION WORK.
-FINAL FOOTING TYPE AND SIZE WILL BE DETERMINED AT ENGINEERING PHASE.

As manufactured and installed by USA SHADE & Fabric Structures
Contact: Michelle Botha; (512) 937-6430, (800) 966-5005
Email: mbotha@usa-shade.com

CUSTOMER:
MP STUDIO


PROJECT NAME:
**VIDAURRI PARK
PLAYGROUND SHADE**

LOCATION:
**1201 MERIDA ST
SAN ANTONIO, TX 78207**

STRUCTURE TYPE:
HIP

SIZE:
30' X 40' X 14' e

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF
USA SHADE AND FABRIC STRUCTURES
AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.



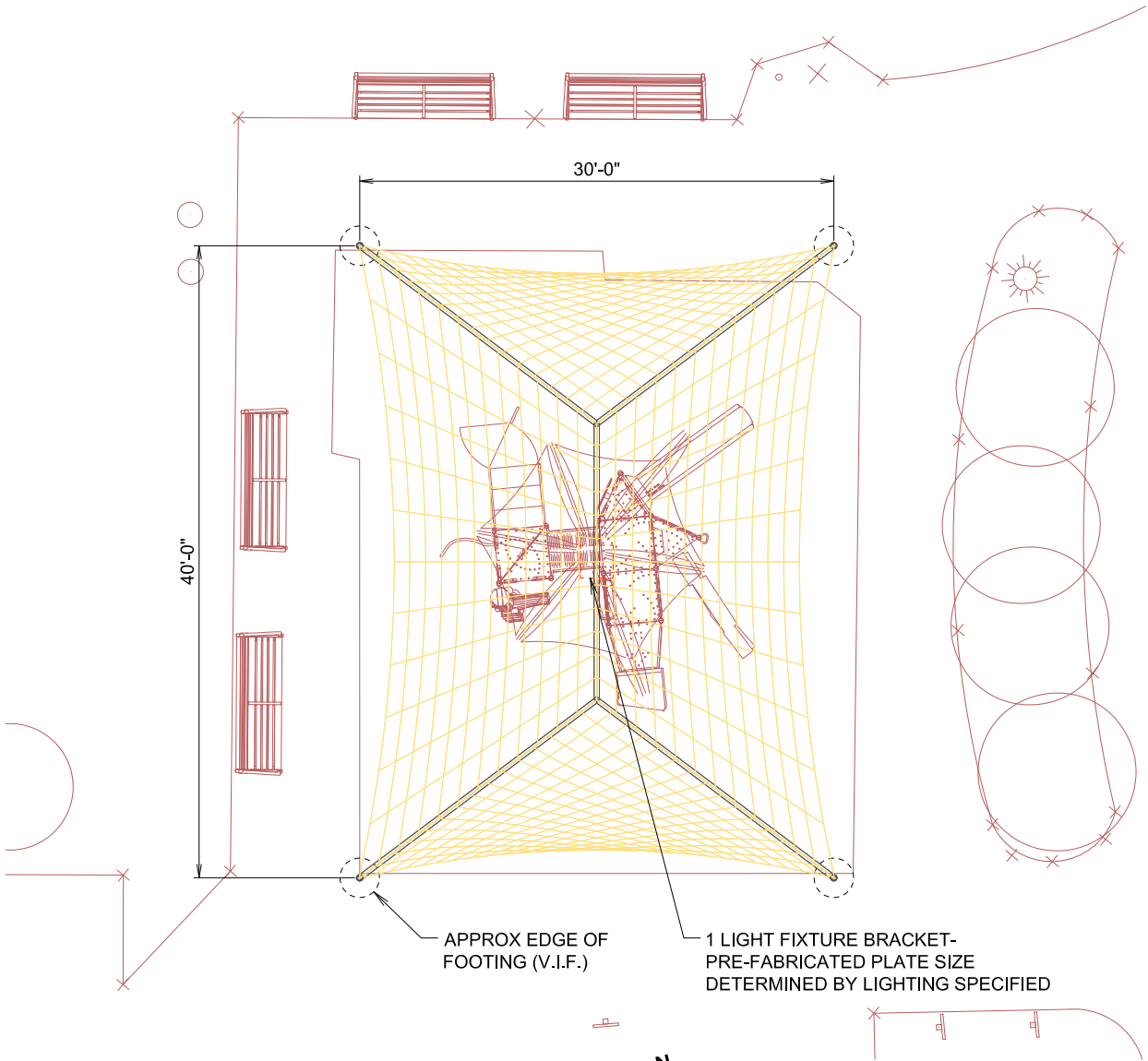
USASHADE
& Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD., SUITE 100
DFW AIRPORT, TX 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER
CERTIFICATION NUMBER (NEVADA): 355

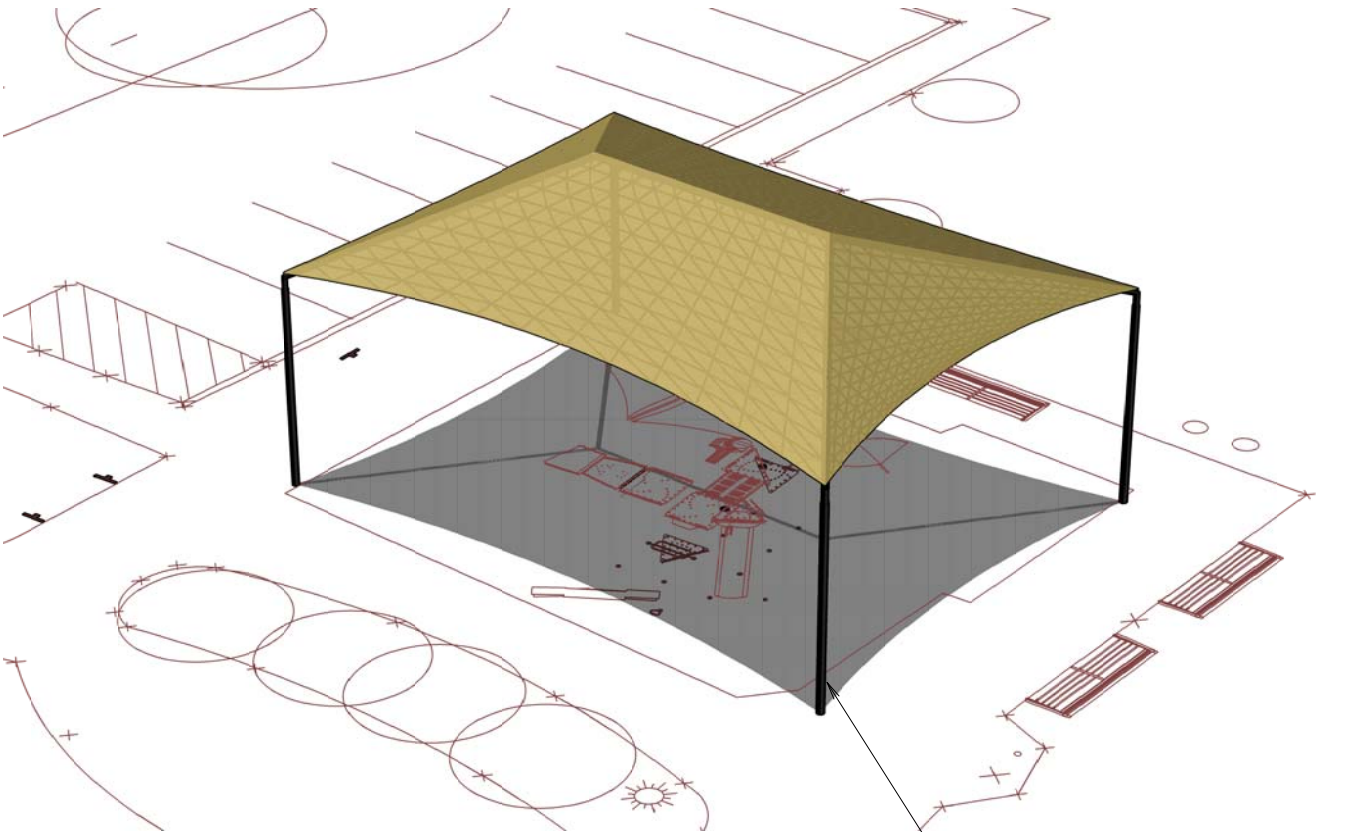
REV	DESCRIPTION	DATE	DRW	CHK	ENG

Drawn By :	YH	11/29/18
Checked By :	YH	11/29/18
Approved By :	YH	11/29/18

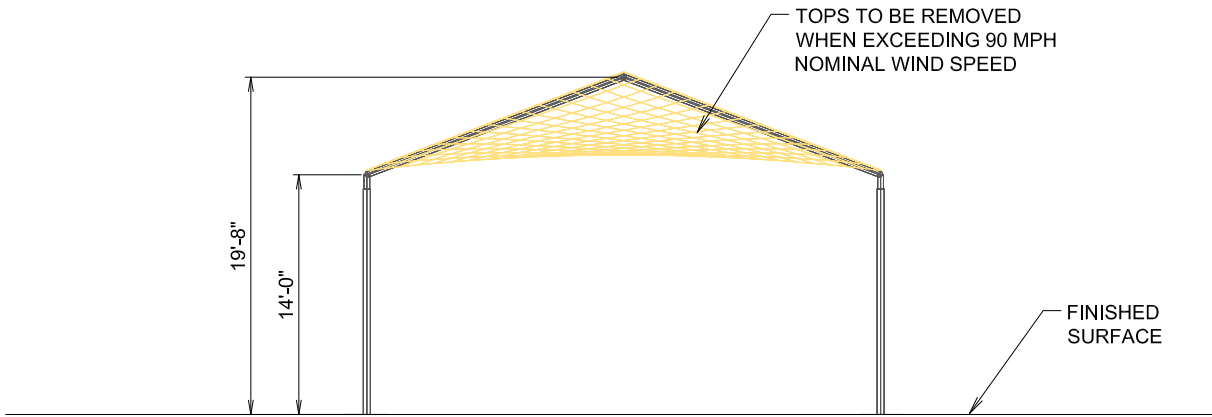
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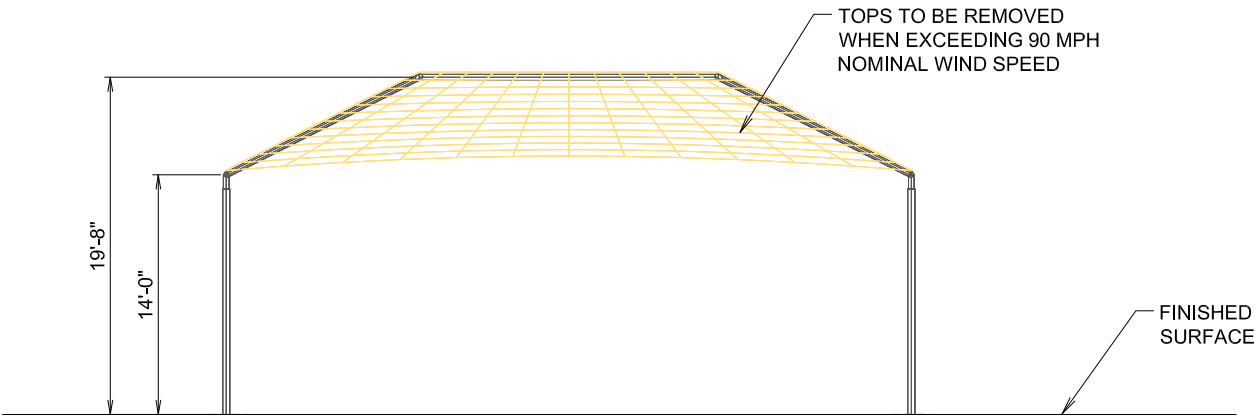
PLAN VIEW



PERSPECTIVE VIEW



SOUTH ELEVATION



WEST ELEVATION

Vidaurri Park

San Antonio, TX

December 5, 2018

1132750-02-01-01



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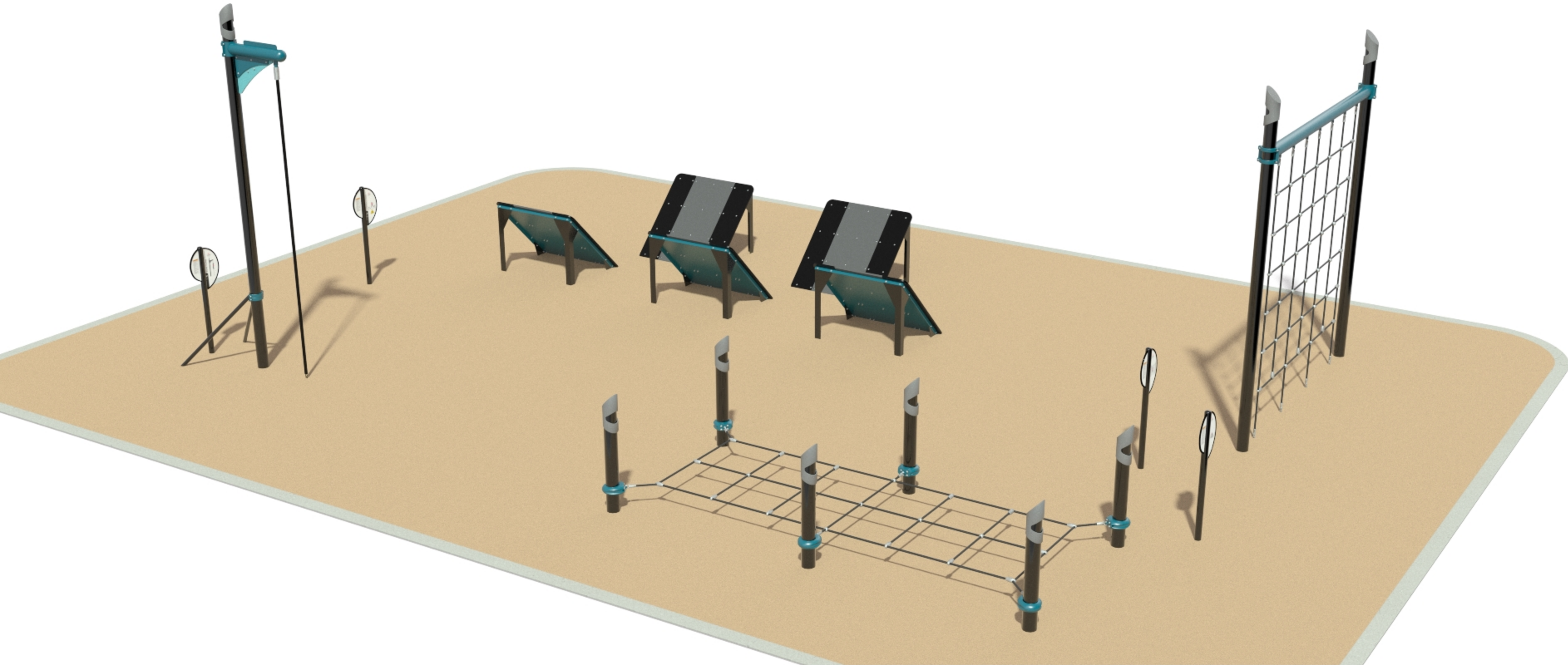


Vidaurri Park

San Antonio, TX

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SECTION 13 31 23
PRE-ENGINEERED SHADE STRUCTURES

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 1 Specification Sections apply to this section.

1.2 SUMMARY

- A. The shade structure contractor shall be responsible for the design, engineering, fabrication, supply, and installation (including foundations) of the work specified herein. The intent of this specification is to have only one single contractor be responsible for all the above functions.

1.3 REFERENCES

- A. Shade Structures must comply with the latest revision of applicable codes and regulations including IBC 2018.
- B. American Society for Testing Materials (ASTM)
- C. American Welding Society: Structural Welding Code AWS D1.1: Symbols for Welding and Nondestructive Testing AWS 2.3.
- D. International Accreditation Services (IAS)
- E. American Institute of Steel Construction (AISC): Specifications for the design, fabrication, and erection of structural steel.

1.4 SUBMITTALS

- A. Provide proof of installed reference sites with six structures for similar scope of project and installation that are engineered to IBC Specifications.
- B. Provide a minimum of 13 fabric samples to demonstrate fabric color range and powder color selections.
- C. Provide proof of all quality assurance items including:
 - 1. A list of at least three reference projects of similar type structures that have been installed in the last 10 years as described below in 2.1 General, Scope.
 - 2. Proof of general liability, professional liability, and umbrella insurance as per section 1.5 D.
 - 3. Proof of a minimum of \$25,000,000 aggregate bonding capacity as per Section 1.5 E.
 - 4. Proof of IAS Certification per Section 1.5 F.
 - 5. Proof of current status as an ISNetworld Member Contractor.
 - 6. Proof of a Corporate Safety Program along with an Injury & Illness Prevention Program.
 - 7. Proof of Corporate Quality Control Manual as per Section 1.5 H

1.5. QUALITY ASSURANCE

Fabrication and erection are limited to firms with proven experience in design and construction of fabric shade structures and such firms shall meet the following minimum requirements. No substitutions shall be allowed for the following:

- A. A single shade contractor shall design, engineer, manufacture, and erect the fabric shade structures including the foundations.
- B. All bidders shall have at least 15 years' experience in the design, engineering, manufacturing, and installation of shade structures.
- C. All bidders shall engineer to IBC 2018 requirements with similar scope.

- D. All bidders shall be able to provide proof of a minimum of \$1,000,000 general/public liability insurance, \$3,000,000 professional liability (PL) insurance, and an additional \$10,000,000 umbrella/excess liability insurance.
- E. All bidders shall be licensed and bonded with a minimum bonding capacity of \$6,000,000 and aggregate bonding capacity of \$25,000,000.
- F. Steel manufacturer shall be accredited by IAS (International Accreditation Service) for Structural Steel Fabrication under UBC 97 & 2000 Section 1701.7 and IBC 2018 Section 1704.2.2.
- G. Proof of current status as an ISNetworld Member Contractor.
- H. The shade contractor shall have a Corporate Quality Control program and manual describing their complete quality assurance program.
- I. All bidders must have an in-house warranty & service department and local office to assist in repairs and service calls.

1.7 WARRANTY

- A. The successful bidder shall provide a 12-month warranty on all labor and materials.
- B. A supplemental warranty from the manufacturer shall be provided for a period of 10 years (pro-rated) on fabric and 10 years on the structural integrity of the steel from the date of substantial completion.
- C. The warranty shall not deprive the Owner of other rights under the provisions of the Contract Documents and will be in addition to and run concurrent with other warranties made by the Contractor under requirements of the Contract Documents.

PART 2 – PRODUCTS

2.1 GENERAL

1. **Scope: Playground Shade**

Provide (1) One 4 Post Hip Structure, Model # 401_3040_14E measuring 30'x 40' x 14' entry height per CON-OCT-006-18 (1000). Columns shall measure a minimum of 5.0 GA 7 Round Tubing and upper framing extensions measuring a minimum of 4.0 GA 7 Round Tubing. The framing shall support one 30' x 40' fabric top. No exceptions.

- A. The structures shall be manufactured by Shade Structures, Inc.dba USA SHADE & Fabric Structures, or approved equivalent and include the structural steel frame, fabric roof, steel cables, all fasteners, and installation. Project management and foundations will also be included.

Contact: USA SHADE & Fabric Structures
8505 Chancellor Row
Dallas, Texas 75247
Contact Name: Michelle Botha – Phone: 512-937-6430
mbotha@usa-shade.com

- B. To qualify as an approved equivalent, please submit product documentation, fabric samples and all quality assurance criteria as per Section 1.4 at least 10 days prior to bid date. Approved equals will be issued per addendum prior to bid date.
- C. The shade structure shall conform to the current adopted version of the International Building Code 2015 and local agency additions and amendments.
- D. All shade structures are engineered and designed to meet a minimum of 90 mph wind load, Exposure C, live load of 5 lbs/sf² and a 5 lbs/sft² snow load. When ASD Steel Design Method is used based on IBC 2018 Section 1605.3.1, the Dead + 0.75 of Live + 0.75 of Wind Load cases must be combined. NO EXCEPTIONS.

E. Steel:

1. All steel members of the shade structure shall be designed in strict accordance with the requirements of the "American Institute of Steel Construction" (AISC) Specifications and the "American Iron and Steel Institute" (AISI) Specifications for Cold Formed Members and manufactured in a IAS (International Accreditation Service) accredited facility for Structural Steel Fabrication as per IBC 2018 Section 1704.2.2.
2. All connections shall have a maximum internal sleeving tolerance of .0625 inches using high tensile strength steel sections with a minimum sleeve length of 6 inches.
3. All non-hollow structural steel members shall comply with ASTM A-36. All hollow structural steel members shall be cold formed, high strength steel and comply with ASTM A-500, Grade C. All steel plates shall comply with ASTM A-572, Grade 50. All galvanized steel tubing shall be triple coated for rust protection using an in-line electro-plating coat process. All galvanized steel tubing shall be internally coated with zinc and organic coatings to prevent corrosion.

F. Welding:

1. All shop-welded connections of the shade structure shall be designed and performed in strict accordance with the requirements of the "American Welding Society" (AWS) Specifications. Structural welds shall be made in compliance with the requirements of the "Prequalified" welded joints where applicable and by certified welders. No onsite or field welding shall be permitted.
2. All full penetration welds shall be continuously inspected by an independent inspection agency and shall be tested to the requirement of IBC 2018 and local agency additions and amendments.

G. Powder Coating:

1. Galvanized steel tubing preparation prior to powder coating shall be executed in accordance to solvent cleaning SSPC-SP1. Solvent such as water, mineral spirits, xylol, toluol, which are to be used to remove foreign matter from the surface. A mechanical method prior to solvent cleaning prior to surface preparation shall be executed according to Power Tool Cleaning SSPC-SP3 and utilizing wire brushed abrasive wheels and needle gun, etc.
2. Carbon structural steel tubing preparation prior to powder coating shall be executed in accordance to commercial blast cleaning SSPC-SP6 or NACE #3. A commercial blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, mill scale, rust, coating, oxides, corrosion, products and other foreign material.
3. Powder coating shall be sufficiently applied, with a minimum three mils thickness and cured at the recommended temperature to provide proper adhesion and stability to meet salt spray and adhesion tests as defined by the American Society of Testing Materials.
4. Powder used in the powder coat process shall have the following characteristics:
 - a. Specific Gravity: 1.77 +/- 0.05 g/cm³
 - b. Coverage at 1.0 mils: 109sq.ft/lb/mil
 - c. Storage: 80° F
 - d. Interpron 800 HR is a series of high durability TGIC powder coatings designed for exterior exposure. Tested against the most severe specifications, Interpron 800 HR gives significantly improved gloss retention and resistance to color change.

H. Tension Cable: Steel cable is determined based on calculated engineering loads.

1. For light and medium loads, 1/4" (nominal) galvanized 7 x 19 strand cable to be used.
2. For heavy loads, 3/8" (nominal) galvanized 7 x 19 cable to be used.

I. Fabric Roof Systems

1. UV shade fabric is made of UV stabilized Shadesure® cloth as manufactured by MultiKnit Ltd and made of a UV stabilized high-density polyethylene mesh. Mesh shall be raschel knitted with monofilament and tape yarn filler to ensure that material will not unravel if cut. Panels to be 10ft. wide.

2. Fabric Properties:
 - a. Life Expectancy: A minimum of 8 years continuous exposure to the sun
 - b. Fading: Minimum fading after 5 years (3 years for red)
 - c. Fabric Mass: 2.43-2.58 oz/sqft (190-200g/sm)
 - d. Fabric Width: 9.8425 (3m)
 - e. Roll Length: 164.04 (50m)
 - f. Roll Dimensions: 62.99"x16.5354" (160 cm x 42 cm)
 - g. Roll Weight: +/- 66 lbs (+/-30 kg)
 - h. Minimum Temperature: -13°F (-25° C)
 - i. Maximum Temperature: +176°F (80° C)
3. Stitching & Thread:
 - a. All sewing threads are to be double stitched.
 - b. Thread shall be GORE Tenara Sewing Thread manufactured from 100% expanded PTFE (Teflon); mildew resistant exterior approved thread with 10-year warranty. Thread shall meet or exceed the following:
 - 1) Flexible temperature range
 - 2) Very low shrinkage factor
 - 3) Extremely high strength, durable in outdoor climates
 - 4) Resists flex and abrasion of fabric
 - 5) Unaffected by cleaning agents; acid rain, mildew, salt water and rot resistant, unaffected by most industrial pollutants
 - 6) Treated for prolonged exposure to the sun

2.2 SHIPPING AND HANDLING

- A. All steel surfaces touched by tie down straps are to be padded before final clinching. This can be accomplished by using carpet pads or factory manufactured padding.
- B. All dunnage must be padded before painted products are set in place. Smaller and loose pieces must be padded and totally separate from paint padding.
- C. Unloading: Lift forks to be covered with padding. All dunnage must be padded vertically and horizontally to prevent damage to painted surfaces. When unloading, take care to prevent tools and other hard surface items from making contact.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Installation of shade structures shall be performed by manufacturer or manufacturer-approved contractor, which shall be bonded and holding a current contractor's license with the State of Texas Contractors State License Board. All installation personnel must have experience in the erection of tensioned fabric structures.
- B. The contractor installing the structure shall comply with manufactures instructions for assembly, installation, and erection per approved drawings.
- C. Concrete:
 1. Unless noted otherwise for footing and piers by General Contractor's Engineer, concrete specification for footings, piers, slabs, curbs and walkways shall meet a minimum 2,500 psi at 28-day strength.
 2. Concrete work is executed in strict accordance with the latest American Concrete Institute Building Code (ACI 318-99).
 3. Slump 4" maximum.
 4. Whenever daily ambient temperatures are below 80 degrees Fahrenheit, the contractor may have mix accelerators and hot water added at the batch plant.
 - a. Temperature range between 75-80 degrees, 1% accelerator High Early (non-calcium)
 - b. Temperature range between 70-75 degrees, 2% accelerator High Early (non-calcium)

- c. Temperature range below 70 degrees, 3% accelerator High Early (non-calcium)
5. The contractor shall not pour any concrete when daily ambient temperature is below 55 degrees Fahrenheit.

Temperature Range	% Accelerator	Type Accelerator
75-80 degrees	1%	High Early (non-calcium)
70-75 degrees	2%	High Early (non-calcium)
Below 70 degrees	3%	High Early (non-calcium)

- D. Foundations:
1. All Anchor Bolts set in new concrete shall be ASTM F-1554 GR 55
 2. All Anchor Bolts shall be Hot Dipped Galvanized
 3. Pier Footings:
Structure 1 - Minimum footing size shall be 24" diameter x 7' depth and placed in accordance with/ and conform to manufacturers engineered specifications and drawings.

END OF SECTION 13 31 23