

HISTORIC AND DESIGN REVIEW COMMISSION

February 19, 2020

HDRC CASE NO: 2020-062
ADDRESS: 3101 ROSELAWN
LEGAL DESCRIPTION: NCB 12308 BLK 10 LOT 2
ZONING: R-6
CITY COUNCIL DIST.: 5
APPLICANT: Mark Padilla/MP Studio LA
OWNER: Pat Schneider/CITY OF SAN ANTONIO TCI
TYPE OF WORK: Park improvement
APPLICATION RECEIVED: January 24, 2020
60-DAY REVIEW: March 24, 2020
CASE MANAGER: Rachel Rettaliata

REQUEST:

The applicant is requesting a Certificate of Appropriateness to:

1. Repair/replace existing basketball court,
2. Demolish two 1-foot areas of the basketball court to accommodate piers for a new shade structure,
3. Install a new shade structure on one court to match existing,
4. Remove existing lighting and install new court lighting.

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 public park at 3101 Roselawn is commonly known as Kennedy Park. The general park improvements proposed are funded by the 2017-2022 Bond Program.
- b. REPAIR AND MAINTENANCE – The applicant has proposed to repair and/or replace the existing concrete basketball court with in-kind materials. The court will be grey and will be offset one (1) foot from the structural footing. Staff finds the proposal generally appropriate.
- c. PARTIAL DEMOLITION – The applicant has proposed to demolish two 1-foot areas of the basketball court to accommodate the piers for a new shade structure to match the existing shade structure. Staff finds the proposal generally appropriate.
- d. PARK AMENITIES – The applicant has proposed to install a new shade structure on one court to match the existing shade structure on the neighboring court. Staff finds the proposal generally consistent with the UDC Sec. 35-642 (b).
- e. PARK LIGHTING – The applicant has proposed to remove existing lighting in order to install an electrical conduit for new L.E.D. basketball court lighting. Staff finds the proposal generally consistent with the UDC Sec. 35-642 (b).
- f. ARCHAEOLOGY – The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

RECOMMENDATION:

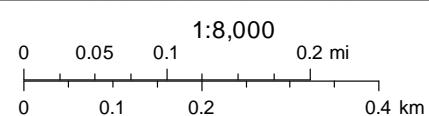
Staff recommends final approval based on findings a through f with the following stipulation:

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

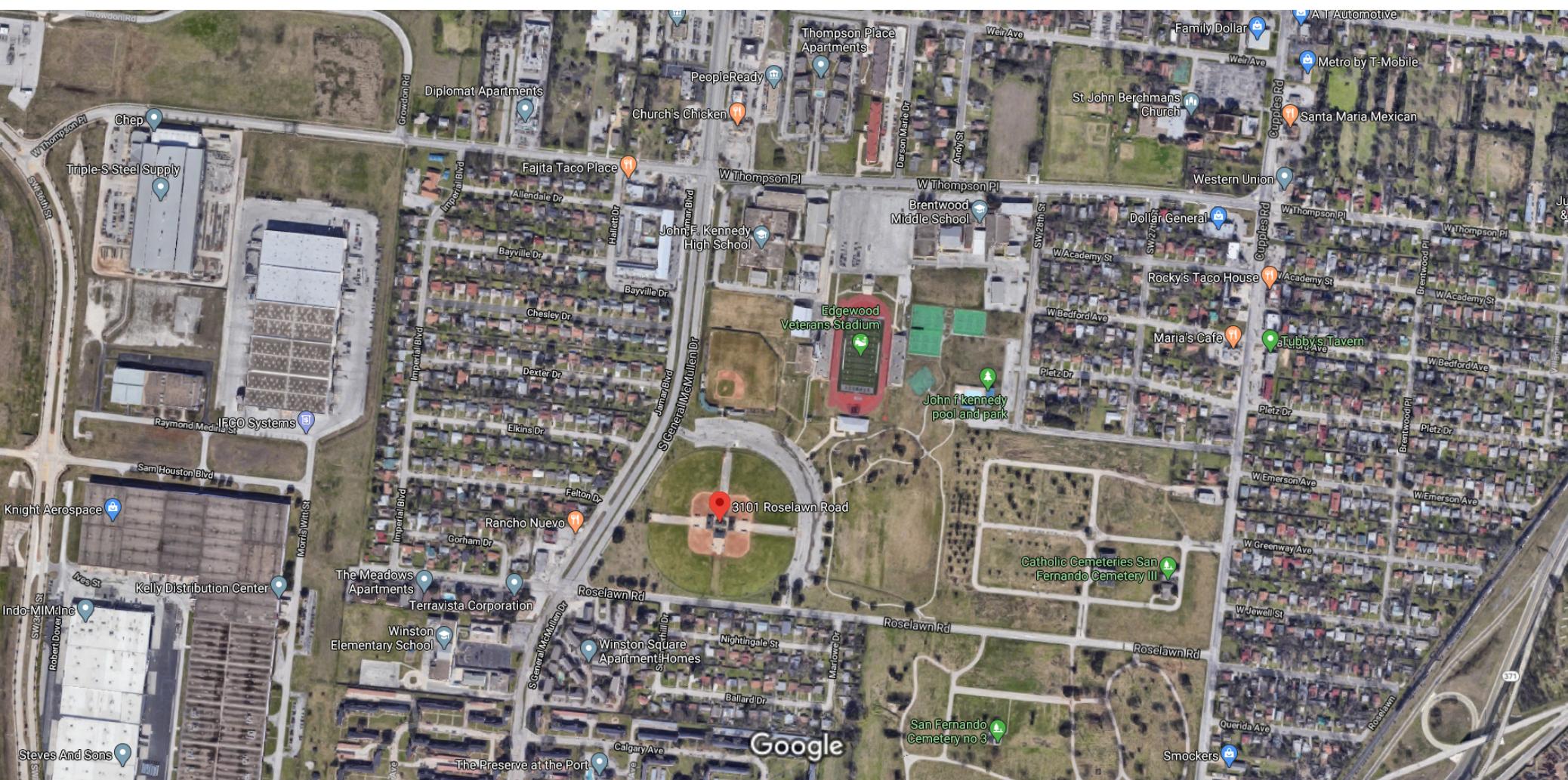
City of San Antonio One Stop



February 4, 2020



— User drawn lines





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200 ft



Imagery ©2020 Google, Imagery ©2020 Maxar Technologies, Texas General Land Office, USDA Farm Service Agency, Map data ©2020

200 ft

Google Maps 3101 Roselawn Rd



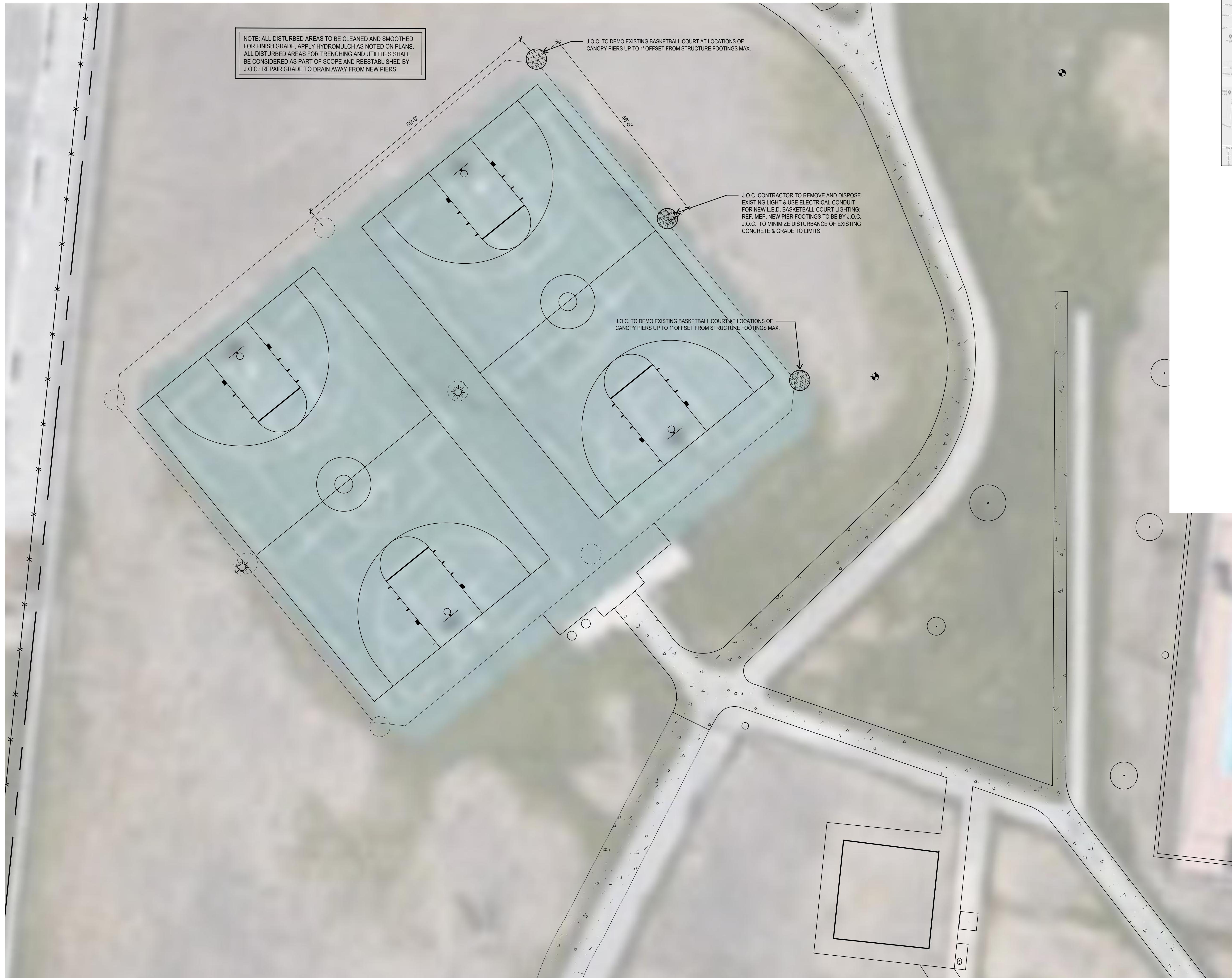
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200 ft



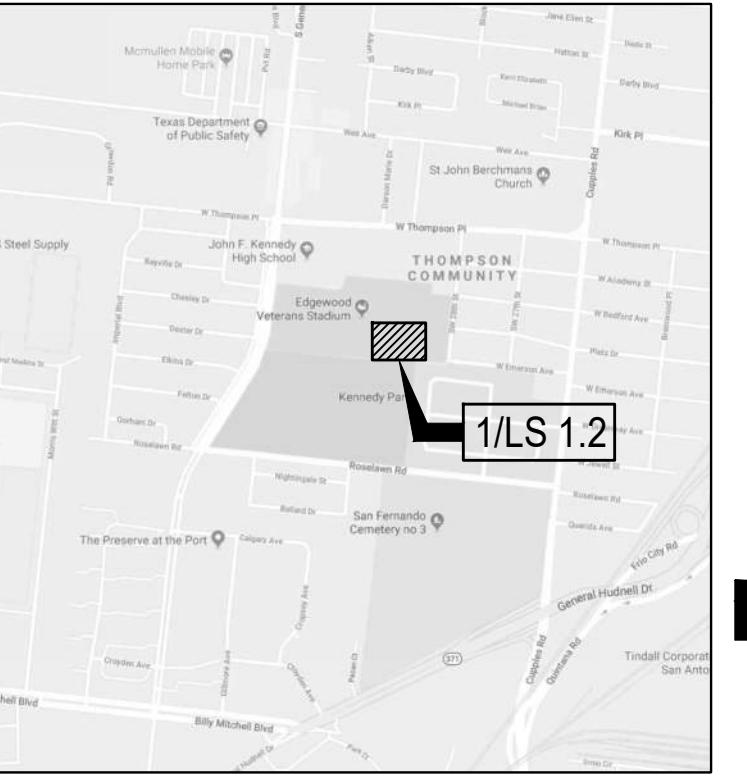
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200 ft



1 KENNEDY PARK BASKETBALL COURT DEMO
PLAN

1/LS 1.2



MP
STUDIO

201 GROVETON | SATX 78210
210.314.5582 | MPSTUD.IO

STATUS



PROJECT

KENNEDY PARK

COSA DISTRICT 5 PARK

PROJECT ADDRESS
3101 ROSELAWN
SAN ANTONIO, TX 78226

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		
NO.	DATE	DESCRIPTION
2	03.21.19	ASI #1
3	07.11.19	ADDENDUM #1
4	01.24.20	ASI #2

ISSUE SETS		
NO.	DATE	DESCRIPTION
1	12.12.18	100% CD SET

SHEET INFORMATION

PROJECT NO.
18001
DATE ISSUED
JANUARY 24, 2020
SHEET NAME

DEMO PLAN

SHEET NUMBER

LS 1.2



KENNEDY PARK

COSA DISTRICT 5 PARK

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3101 ROSELAWN
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Subconsultant

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18001

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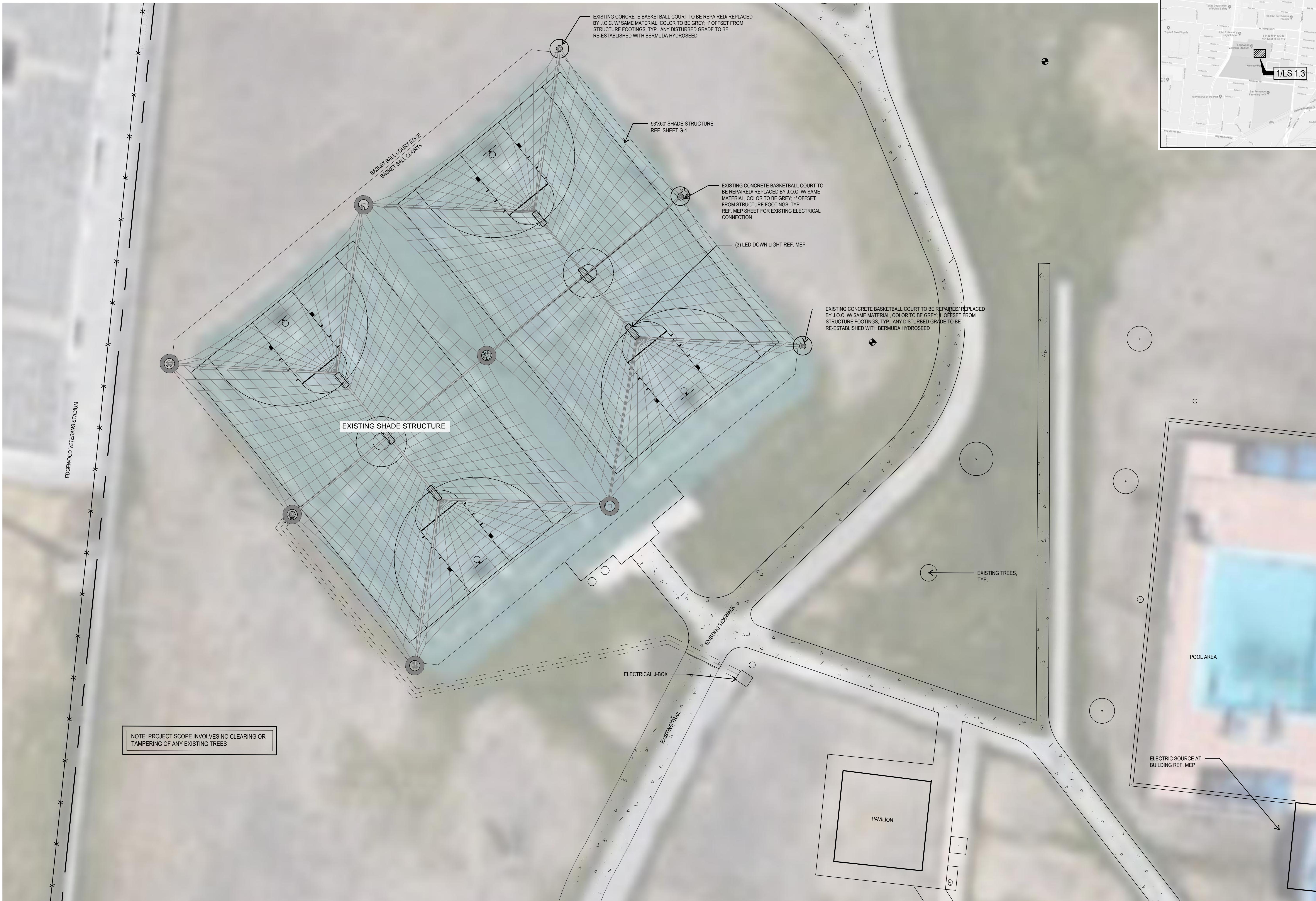
JANUARY 24, 2020

SHEET NAME

SITE WORK PLAN

SHEET NUMBER

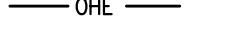
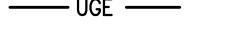
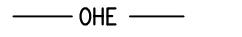
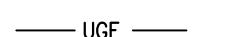
LS 1.3



01' 5' 10' 20'
SCALE: 1"=10'
1/LS 1.3

ELECTRICAL SYMBOLS & ABBREVIATIONS

OME SYMBOLS MAY NOT BE USED ON THIS PROJECT

SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	GENERAL NOTES	LIGHTING GENERAL NOTES
GENERAL							
	PULL BOX	A	AMPERE(S)	ID	INSIDE DIAMETER	1. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND REVIEW ALL RELATED DRAWINGS AND SPECIFICATIONS PRIOR TO BID.	1. ELECTRICAL DRAWINGS INDICATE GENERAL LOCATIONS OF LIGHTING FIXTURES ONLY. FOR EXACT LOCATIONS AND SPACING, SEE ARCHITECTURAL DRAWINGS. IF CONTRACTOR DETERMINES THAT THERE IS A DIFFERENCE IN QUANTITY OF FIXTURES SHOWN ON THE ARCHITECTURAL AND ELECTRICAL DRAWINGS, HE SHALL USE THE HIGHER NUMBER OF THE TWO QUANTITIES FOR BIDDING AND THEN CONTACT THE DESIGN TEAM FOR FINAL RESOLUTION.
	JUNCTION BOX	ABV	ABOVE	IMC	INTERMEDIATE STEEL CONDUIT	2. THE DRAWINGS ARE DIAGRAMMATICAL. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND DETERMINE CONDUIT ROUTING AND EXACT LOCATIONS OF EQUIPMENT AND DEVICES. NOTIFY THE ARCHITECT/ENGINEER IF THE APPROXIMATE CONDUIT ROUTING SHOWN ON PLANS IS NOT FEASIBLE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.	2. EXTERIOR LIGHTING TO BE CONTROLLED BY THE EXISTING LIGHTING CONTROL SYSTEM.
	EQUIPMENT CONNECTION, HARD WIRED	AIC	AMPERE INTERRUPTING CAPACITY	IN	INCHES	3. LOCATIONS OF DEVICES ARE DIAGRAMMATICAL. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.	3. REFERENCE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL FIXTURE INFORMATION.
PANELBOARDS (26 24 16)		BFF	BELLOW FINISHED FLOOR	KV	KILOVOLT		
	EXISTING PANELBOARD, SURFACE MOUNTED	BLDG	BUILDING	KVA	KILOVOLT AMPERE	4. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL CODES. ALL WORK SHALL MATCH THE EXISTING BUILDING'S ELECTRICAL INSTALLATION. ALL SYSTEMS SHALL BE INSTALLED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS APPROVED BY ALL AUTHORITIES HAVING JURISDICTION.	
INTERIOR & EXTERIOR LIGHTING (26 51 00 & 26 56 00)		C	CONDUIT	KVAR	KILOVOLT AMPERE CAPACITIVE		
	SURFACE LED CANOPY MOUNTED LIGHTING FIXTURE	CB	CIRCUIT BREAKER	KW	KILOWATT		
	POLE LIGHT FIXTURE	CKT	CIRCUIT	KWH	KILOWATT HOUR		
RACEWAYS (26 05 33)		COND	CONDUCTOR	LB	POUND		
	OHE	DIA	DIAMETER	MAX	MAXIMUM	5. PROVIDE A TYPED PANEL DIRECTORY FOR EACH NEW OR MODIFIED ELECTRICAL PANEL. DIRECTORY SHALL IDENTIFY THE CIRCUIT NUMBER, DEVICES SERVED, AND LOCATION OF DEVICES BY ROOM NUMBER. FILE COPY OF DIRECTORIES WITH THE OWNER'S REPRESENTATIVE WHEN WORK IS COMPLETED, AND PROVIDE COPIES WITH THE OWNER'S MANUALS.	
	UGE	DIST	DISTRIBUTION	MEP	MECHANICAL, ELECTRICAL & PLUMBING	6. IDENTIFY PANEL AND CIRCUIT NUMBER FOR ALL INSTALLED ELECTRICAL DEVICES ON THE OUTSIDE OF THE JUNCTION BOX.	
	OHE	DN	DOWN	MH	MOUNTING HEIGHT	7. REFER TO SHEETS E1.1 AND E1.2 FOR ADDITIONAL GENERAL NOTES.	
	UGE	DWGS	DRAWINGS	MIN	MINIMUM		
		EC	EMPTY CONDUIT	MLO	MAIN LUGS ONLY		
		EMT	ELEC. METALLIC TUBING	MTG	MOUNTING		
		EQMT	EQUIPMENT	NA	NOT APPLICABLE		
	PANEL-2,4,6 IG G N	EXTG	EXISTING	NC	NORMALLY CLOSED		
				NF	NON FUSED		
				NO	NORMALLY OPEN	1. CONDUCT ALL DEMOLITION WORK IN SUCH MANNER TO MAINTAIN A SAFE WORK ENVIRONMENT AND IN ACCORDANCE WITH APPLICABLE SAFETY RULES AND PROCEDURES WITHIN NEC, NESC, NECA, AND OSHA REQUIREMENTS.	
				N.T.S.	NOT-TO-SCALE	2. CONTRACTOR SHALL REQUEST AND REVIEW ANY HAZARDOUS MATERIALS SURVEYS FROM THE OWNER'S REPRESENTATIVE. OBSERVE RECOMMENDED PRECAUTIONS AND VERIFY THE STATUS OF ANY REMEDIAL WORK RECOMMENDED OR NOTED WITHIN THE HAZARDOUS MATERIAL SURVEY. NOTIFY THE OWNER'S REPRESENTATIVE IF ANY HAZARDOUS MATERIALS ARE SUSPECTED OR OBSERVED DURING THE COURSE OF EXECUTING THIS CONTRACT.	
		FC	FOOT CANDLES	OC	ON CENTER	3. SURVEY AREAS OF THE FACILITY SCHEDULED FOR RENOVATION OR PARTIAL DEMOLITION PRIOR TO ANY WORK BEING PERFORMED. SUBMIT A REPORT OF THIS PRE-WORK SURVEY DETAILING ANY UTILIZATION EQUIPMENT OR SYSTEMS THAT ARE NOT IN GOOD WORKING ORDER IN ADVANCE OF ANY DEMOLITION WORK AND REVIEW WITH THE OWNER'S REPRESENTATIVE.	
		FLEX	FLEXIBLE METAL CONDUIT	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	4. RESTORE CIRCUITS, UTILIZATION EQUIPMENT, AND SYSTEMS AFFECTED BY SELECTIVE DEMOLITION TO THE CONDITION NOTED IN THE PRE-WORK SURVEY REPORT. ELECTRICAL CIRCUITS WITH A PORTION OF THE LOAD REMOVED SHALL HAVE THE REMOVED LOADS ASSOCIATED CIRCUITRY TERMINATED IN SUCH A MANNER THAT THE REMAINING LOAD REMAINS FULLY OPERATIONAL.	
		FN	FULL NEUTRAL	OH	OVERHEAD	5. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL FOR SALVAGED MATERIAL. REQUEST THAT THE OWNER PROVIDE DIRECTION ON DISPOSITION OF SALVAGED MATERIAL FIVE (5) WORKING DAYS PRIOR TO REMOVAL. IF SO DIRECTED BY THE OWNER, SALVAGED MATERIAL SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION AS DIRECTED. REMOVE AND DISPOSE ANY SALVAGED MATERIAL NOT RETAINED BY THE OWNER.	
		FT	FEET, FOOT	P	POLE	6. VERIFY LOCATION AND QUANTITY OF ITEMS TO BE REMOVED. NO ALLOWANCE WILL BE MADE BECAUSE OF CONTRACTOR'S UNFAMILIARITY WITH THESE DETAILS.	
		GALV	GALVANIZED	PB	PUSH BUTTON	7. LIGHTS SCHEDULED FOR DEMOLITION SHALL HAVE THEIR ASSOCIATED CIRCUITRY REMOVED UNLESS OTHERWISE NOTED. ASSOCIATED CIRCUITRY IS DEFINED AS ALL WIRE, CONDUIT, JUNCTION BOXES, DEVICE BOXES, WIRING DEVICES, COVER PLATES, PROTECTIVE DEVICE, AND PANEL, ETC. ASSOCIATED WITH THE ITEM SCHEDULED FOR REMOVAL. CONDUIT FOR ITEMS SCHEDULED FOR REMOVAL AND IN INACCESSIBLE AREAS SHALL BE EMPTIED AND SEALED OR OTHERWISE TERMINATED IN A SAFE MANNER ACCEPTABLE TO THE OWNER.	
		GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PC	PULL CHAIN	8. DAMAGED AREAS CAUSED BY REMOVAL OF ANY OF THE ABOVE ITEMS AND WHICH ARE NOT CONCEALED BY NEW CONSTRUCTION SHALL BE REPAIRED TO MATCH ADJACENT SURFACES. OPENINGS CREATED BY THE REMOVAL OF THESE ITEMS THROUGH FIRE RATED WALLS SHALL BE FIRE STOPPED.	
		GFI	GROUND FAULT INTERRUPTER	PNL	PANELBOARD	9. REMOVE ABANDONED CONDUIT TO POINT OF CONCEALMENT BEHIND INACCESSIBLE SURFACES. ENTIRELY REMOVE ABANDONED WIRING.	
		GND	GROUND	PVC	POLY VINYL CHLORIDE CONDUIT	10. IF A CONDUIT RUN IS EXPOSED OR A SURFACE RACEWAY LEFT WITHOUT A MOUNTING SURFACE DUE TO REMOVAL OF A PARTITION, THE RACEWAY SHALL BE REROUTED AS ACCEPTABLE TO THE OWNER/ARCHITECT.	
		HID	HIGH INTENSITY DISCHARGE	PWR	POWER	11. PROTECT ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES THAT ARE SCHEDULED TO BE RELOCATED, REPAIR, RESTORE, OR REPLACE ITEMS DAMAGED WHEN REMOVED TO THE APPROVAL OF THE OWNER. NOTIFY THE OWNER/ARCHITECT/ENGINEER OF ANY ELECTRICAL EQUIPMENT, OUTLETS AND/OR DEVICES WHICH ARE SCHEDULED TO BE RE-USED THAT ARE FOUND TO BE UNUSABLE.	
		HP	HORSE POWER	RGS	RIGID GALVANIZED STEEL CONDUIT	12. CONTRACTOR SHALL UPDATE PANELBOARD DIRECTORIES AT EACH PANEL WHERE CIRCUIT MODIFICATIONS ARE MADE.	
		HOA	HAND OFF AUTOMATIC	RMC	RIGID METAL CONDUIT		
		HPS	HIGH PRESSURE SODIUM	SC	SPLIT CIRCUIT		
		HZ	HERTZ	SN	SOLID NEUTRAL		
				SQFT	SQUARE FEET, FOOT		
				SW	SWITCH		
				TC	TIME CLOCK		
				TYP.	TYPICAL		
REFERENCE SYMBOLS							
	CIRCUIT END EXTENSION	UEP	UNDERGROUND ELECTRIC PRIMARY				
	KEYED NOTE TAG, HEXAGON	UES	UNDERGROUND ELECTRIC SECONDARY				
	ADDENDUM, ASI, ASR, PR TAG	UEB	UNDERGROUND ELECTRIC BRANCH CIRCUIT				
	ENLARGED PLAN, DETAIL TAG	U.N.O.	UNLESS NOTED OTHERWISE				
	ELEVATION TAG	V	VOLT(S)				
	SECTION TAG	VP	VAPOR PROOF				
		W	WIRE				
		WP	WEATHERPROOF				
		XFMR	TRANSFORMER				
		Z	IMPEDENCE				
		1P	ONE POLE				
		2P	TWO POLE				
		3P	THREE POLE				
		O	PHASE				

201 GROVETON | SATX 78210
210.314.5582 | MPSTUD.IO

STATUS

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KENNEDY PARK

COSA DISTRICT 5 PARK

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

OWNER'S REPRESENTATIVE

PAT SCHNEIDER
210.207.8466
rick.Schneider@sanantonio.gov



SUBCONSULTANT



REVISIONS

DATE	DESCRIPTION

ISSUE SETS

DATE	DESCRIPTION
01.23.20	100% Construction Documents

SHEET INFORMATION

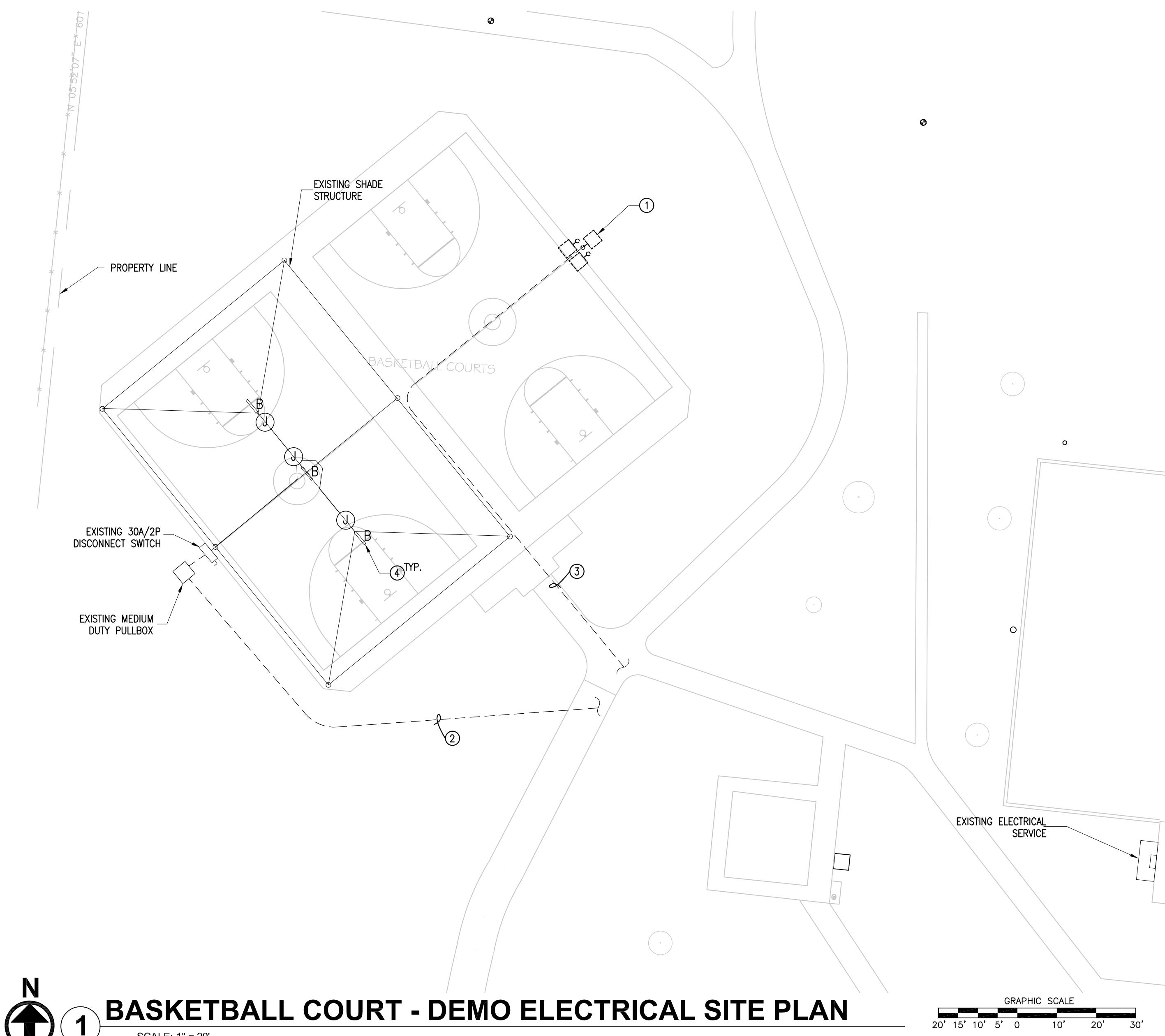
PROJECT NO.

DATE ISSUED

SHEET NAME

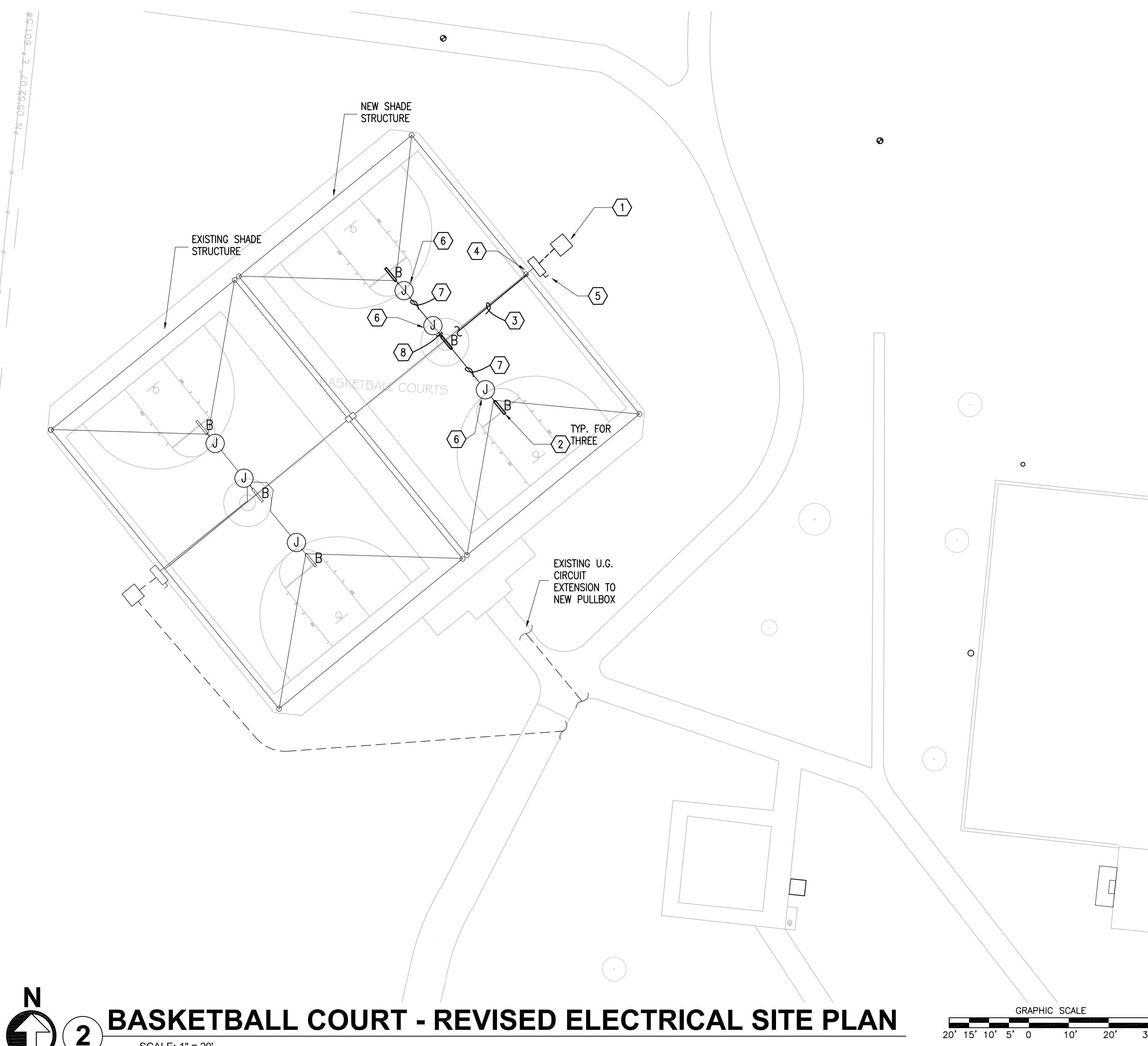
**ELECTRICAL
ABBREVIATIONS &
SYMBOLS - PHASE 2**

SHEET NUMBER



N
1 BASKETBALL COURT - DEMO ELECTRICAL SITE PLAN

SCALE: 1" = 20'



N
2 BASKETBALL COURT - REVISED ELECTRICAL SITE PLAN

SCALE: 1" = 20'

① KEYED NOTES: (DTL. NO.1 ONLY)

1. REMOVE THE 3 EXISTING POLE-MOUNTED LIGHTING FIXTURES AND POLE FOUNDATION. REMOVE TOP OF CONCRETE POLE FOUNDATION TO 24" BELOW GRADE. INTERCEPT ELECTRICAL CONDUIT SERVING LIGHT POLE AND LEAVE READY FOR INSTALLATION OF IN-GRADE JUNCTION BOX AND EXTENSION OF CIRCUIT TO NEW CANOPY LIGHTS. INTERCEPT ELECTRICAL CONDUIT SERVING LIGHT POLE AND LEAVE READY FOR INSTALLATION OF IN-GRADE JUNCTION BOX AND EXTENSION OF CIRCUIT TO NEW CANOPY LIGHTS. ELECTRICAL CIRCUIT TO EXISTING LIGHT POLE TO REMAIN. VERIFY CIRCUIT CONFIGURATION AND VOLTAGE PRIOR TO PURCHASING FIXTURES. ELECTRICAL CIRCUITS SERVING EXISTING TO REMAIN LIGHT POLES SHALL BE MAINTAINED ACTIVE DURING CONSTRUCTION. VERIFY CIRCUIT VOLTAGE AND WIRING CONFIGURATION PRIOR TO PURCHASING LIGHTING FIXTURES.
2. EXISTING UNG CIRCUIT; (4) #10 AWG CU, #10 AWG CU GND, IN 1" CONDUIT TO REMAIN.
3. EXISTING UNG CIRCUIT; (2) #10 AWG CU, #10 AWG CU GND, IN 3/4" CONDUIT TO REMAIN.
4. (TYPICAL) EXISTING LIGHT FIXTURES, AND ASSOCIATED CONDUIT/WIRE TO REMAIN.

② KEYED NOTES: (DTL. NO.2 ONLY)

1. PROVIDE MEDIUM DUTY PULLBOX PER TYPICAL DETAIL 1/E2.2, AND INTERCEPT LIGHTING CIRCUITS SERVING EXISTING BASKETBALL COURTS LIGHTS REMOVED DURING DEMOLITION. DURING CONSTRUCTION, CONNECT NEW CANOPY MOUNTED LIGHTS LIGHTING TO EXISTING CIRCUIT. EXTEND #10 CU, #10 CU GND, IN 3/4" CONDUIT TO NEW DISCONNECT SWITCH. REFER TO DETAIL 2/E2.2 FOR ADDITIONAL INFORMATION.
2. PROVIDE TYPE "B" LIGHTING FIXTURE MOUNTED ON CANOPY AT SHADE MANUFACTURER PROVIDED PLATES. COORDINATE WITH LIGHTING FIXTURE MANUFACTURER FOR EXACT MOUNTING INSTRUCTIONS.
3. EXTEND LIGHTING CIRCUIT INSIDE SHADE STRUCTURE FRAME TO JUNCTION BOX MOUNTED NEXT TO CENTER LIGHT FIXTURE. REFER TO SHADE STRUCTURE DRAWINGS FOR ADDITIONAL INFORMATION. COORDINATE THE INSTALLATION WITH THE SHADE STRUCTURE VENDOR.
4. REFER TO DETAIL 2/E2.2 FOR CONDUIT INSTALLATION TO THE DISCONNECT SWITCH TRANSITION FROM PVC U.G. TO RIGID GALVANIZED STEEL CONDUIT INSTALLED ON THE SHADE STRUCTURE COLUMN.
5. PROVIDE A 30A/2P/480V, N.F./N3R DISCONNECT SWITCH MOUNTED IN SHADE STRUCTURE COLUMN. REFER TO GROUNDING ELECTRODE SYSTEM DIAGRAM DETAIL 3/E2.2 FOR GROUNDING AND BONDING REQUIREMENTS. SEE DETAIL 2/E2.2 FOR CIRCUIT EXTENSION TO CANOPY LIGHTS.
6. JUNCTION BOX MOUNTED NEXT TO CENTER LIGHT FIXTURE, AFFIXED TO VENDOR PROVIDED METAL BRACKET ALONG CANOPY SHADE FRAME.
7. LIQUID-TIGHT FLEXIBLE CONDUIT TO BE USED FROM JUNCTION BOX TO LIGHT FIXTURE IN CENTER OF CANOPY.
8. PROVIDE RIGID CONDUIT SURFACE MOUNTED TO BOTTOM OF STRUCTURAL MEMBER FROM JUNCTION BOX TO OUTER LIGHT FIXTURES.

GENERAL NOTES: (THIS SHEET ONLY)

- A. FOR SYMBOLS AND ABBREVIATIONS, REFER TO SHEET E.O.
- B. PROVIDE SCH. 80 PVC DIRECT-BURIAL CONDUITS. BURY CONDUITS A MINIMUM OF 24" BELOW FINISHED GRADE OR PAVEMENT. PROVIDE CONCRETE CAP NOT LESS THAN 2" THICK ABOVE DIRECT BURIED LOW VOLTAGE CONDUITS WHERE SUBJECT TO VEHICULAR OR EXCAVATION DAMAGE OR WHERE MINIMUM BURIAL DEPTH CANNOT BE ACHIEVED.
- C. PROVIDE ALL EMPTY CONDUIT WITH PULLSTRING AND END BUSHINGS
- D. NOTES TO CITY PLAN REVIEWER:
 - D.A. PROJECT IS EXEMPTED FROM IECC REQUIREMENTS. ELECTRICAL EXTERIOR LIGHTING CIRCUITS ORIGINATE FROM ELECTRICAL DISTRIBUTIONS SERVING NON-CONDITIONED BUILDINGS.
 - D.B. THIS PARK IS LOCATED WITHIN 5 MILES OF THE JOINT BASE-LACKLAND. LIGHTING MODIFICATIONS WILL COMPLY WITH THE REQUIREMENTS FOR MILITARY OVERLAY ORDINANCE.
- E. PROVIDE BONDING OF EQUIPMENT GROUNDING CONDUCTOR TO METAL SHADE STRUCTURE.



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1	01.23.20	100% Construction Documents

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18001		
JANUARY 23, 2020		

ELECTRICAL SITE PLAN - PHASE 2

SHEET NUMBER

E1.3

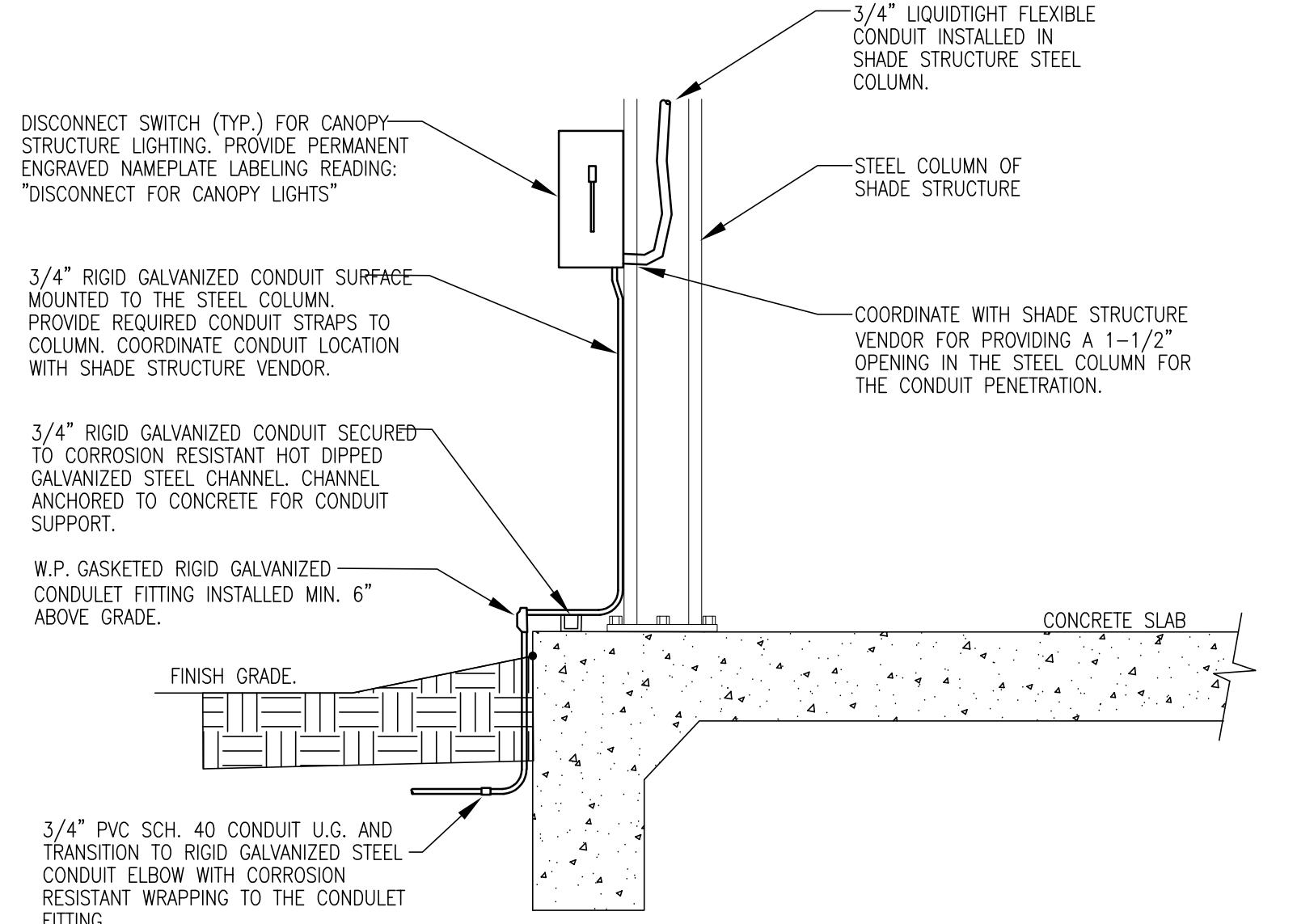
LIGHTING FIXTURE SCHEDULE							
TYPE	LAMPS	MOUNTING	MOUNT HEIGHT	VOLTS	WATTS	DESCRIPTION	MANUFACTURER AND CATALOG NO.
B	3000K 37800 LUMENS LED	SURFACE MOUNTED TO CANOPY	REFER TO CANOPY	UNV 120- 277V	327.9	HEAVY DUTY CUTOFF CANOPY LUMINAIRE, FIBERGLASS HOUSING WITH F1 WEATHERABILITY RATING AND NON-POROUS GASKET FOR WEATHER PROOF SEAL. IP65, IP 66, AND IP67 RATED FIXTURE. FURNISH WITH TAMPERPROOF LATCHES. FURNISHED WITH MIN. 6KV SURGE PROTECTION. 52-1/2" LONG x 15" WIDTH x 6" OVERALL HEIGHT. BUG RATING 4-4-4	COLUMBIA LIGHTING LXEW4-30X-FAW-EU-TP

Notes:
 1. ALTERNATE EQUIVALENT MANUFACTURERS MAY BE SUBMITTED TO BASIS OF DESIGN BY APPROVAL. ACCEPTANCE TO BE DETERMINED BY EOR.
 2. ALL POLES, FIXTURES, AND CROSSARMS EPA SHALL BE CONFIRMED BY THE MANUFACTURER AND REVIEWED IN SUBMITTAL PHASE.
 3. FINISH COLOR OF POLES AND LUMINAIRES SHALL MATCH. PROVIDE DARK BRONZE COLOR UNLESS OTHERWISE DIRECTED BY ARCHITECT DURING SUBMITTAL.
 4. PROVIDE ONE PORTABLE HOIST WITH THE PROJECT FOR OWNERS MAINTENANCE USE IN SERVICING HINGED POLES.

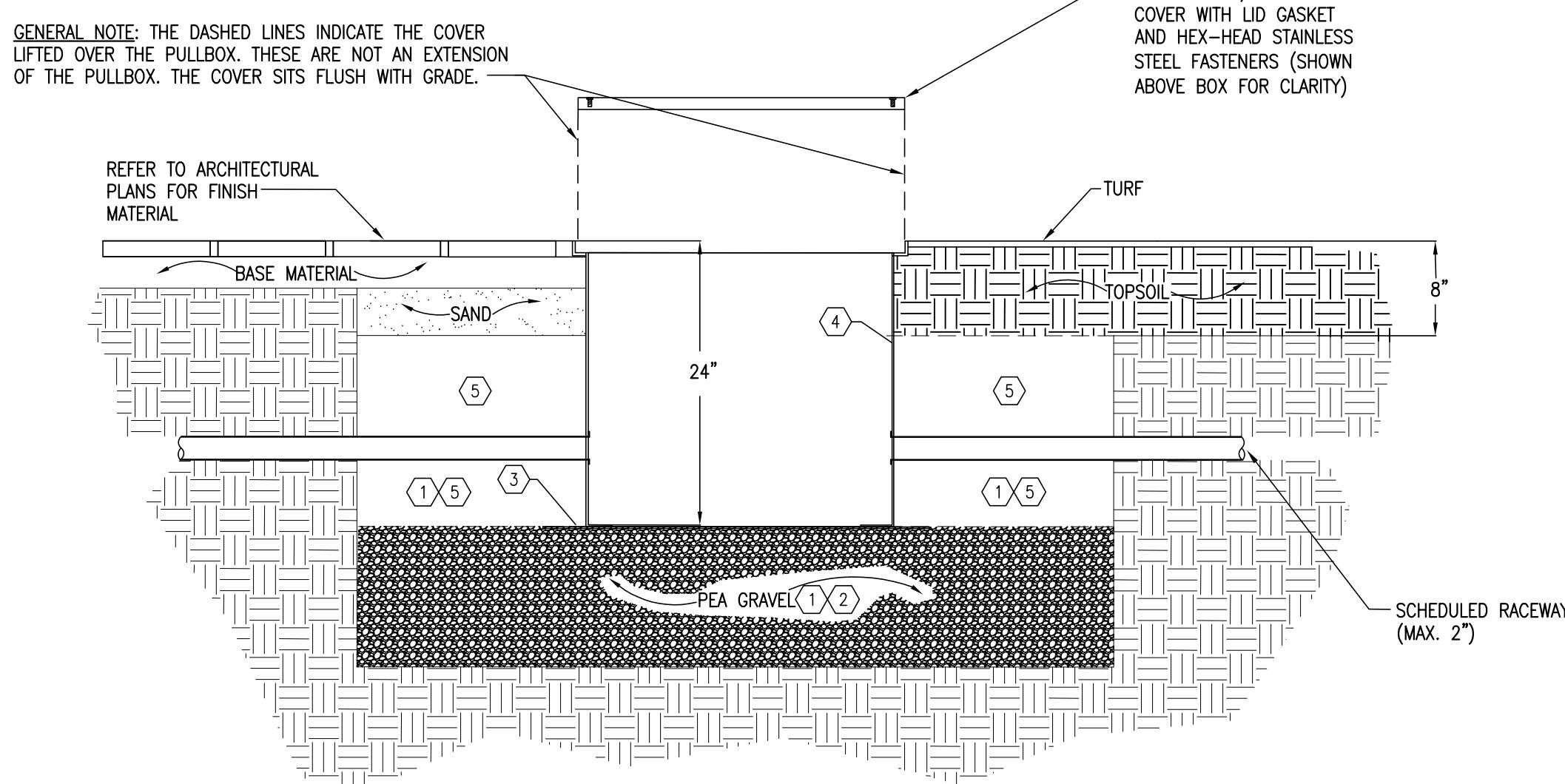
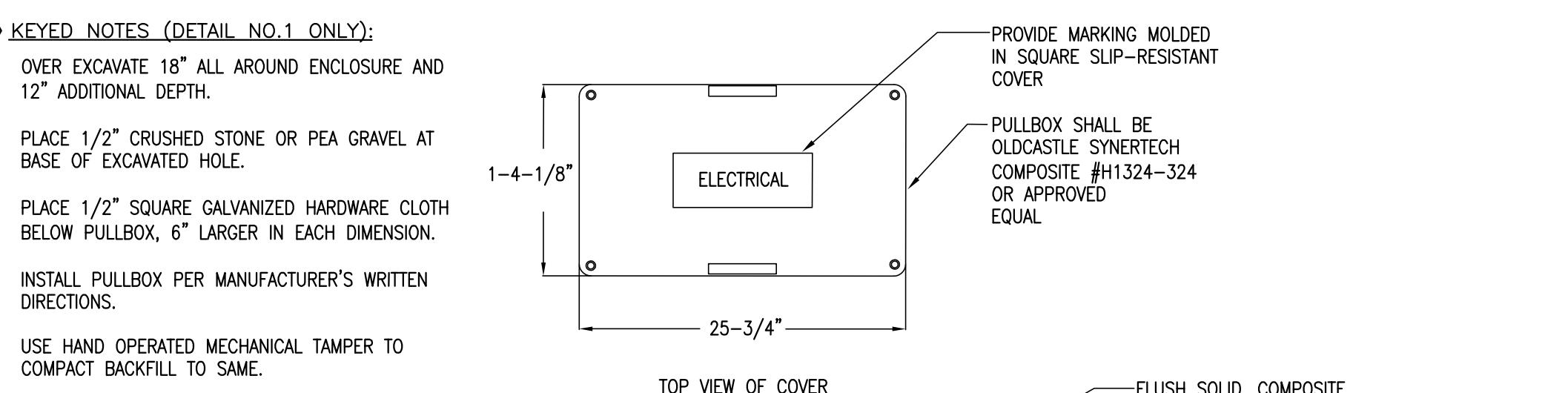
ELECTRICAL LOAD ANALYSIS SUMMARY - PHASE 2							
PROJECT:	KENNEDY PARK	PHASE TO PHASE	120	ADDRESS:	3299 SW 28TH ST SAN ANTONIO, TX 78226	PHASE TO NEUTRAL	208
OWNER:		COSA	3			WIRES	4
LOAD DESCRIPTION	QUANTITY	VA	KVA	AMPS			
A. REMOVED LOADS							
POLE LIGHTS	3	1,200	1.20	5.8			
B. ADDED LOADS							
SHADE STRUCTURE LIGHTS	3	984	0.98	4.7			
C. NET CHANGE IN LOADS							
REDUCTION IN LOAD:	(216)	(0.216)	(1.0)				

NOTES:
 1. ELECTRICAL LOADS SHOWN ABOVE ARE SUPPLIED BY PANELBOARD 'A' FOR THE BASKETBALL COURT.
 PANEL 'A' IS A 225 AMP 120/208V PANEL THAT SHOULD BE ABLE TO ACCOMMODATE THE CHANGE IN LOAD.
 2. THIS PROJECT PROVIDES A NET DECREASE IN ELECTRICAL LOAD TO THE EXISTING ELECTRICAL DISTRIBUTION SYSTEM.
 3. CONTRACTOR SHALL FIELD VERIFY EXISTING PANEL LOAD CAPACITIES IN ORDER TO CONFIRM INDIVIDUAL PANELS
 ARE CAPABLE OF ACCOMMODATING THE INDIVIDUAL ELECTRICAL LOADS.

CITY OF SAN ANTONIO - MILITARY OVERLAY DISTRICT COMPLIANCE STATEMENT		
PROJECT:	CoSA Kennedy Park	The Project consists of a City of San Antonio Park with new Shade Structures over an existing Basketball Court
PROJECT NO:	0053-18	and Playground. New proposed LED lighting fixtures are to be installed below the shade structure.
PROJECT TYPE:	New Sports Canopy Lighting	
TYPES OF BUILDINGS:	Shade Structures (2)	
GROSS SQ. FT.:		
Compliance Statement		Persuant to the San Antonio Unified Development Code Section 235-339.04 - Military Overlay District: The project site location at 3299 S.W. 28th Street, San Antonio, Texas 78226 is located within 5 miles of the perimeter of Joint Base Lackland Air Force Base. A measurement of the distance from the nearest Military Base to Lackland Joint Air Force Base was made using www.maps.google.com with the measurement tool. The project location is actually (approximately) 0.66 miles to the nearest boundary with Joint Base Lackland Air Force Base to S.W. 28th St. The exterior lighting does not require compliance with the Military Overlay District's requirements for exterior full cut-off and fully shielded lighting fixtures. The exterior Sports Field Lighting is exempt from Compliance with City of San Antonio IB221 Bulletin and IECC 2018 requirements. The Canopy Lighting will be in compliance with the City of San Antonio Chapter 10 and Unified Development Code Section 35-392. The Project electrical drawings are not required to be submitted to the City of San Antonio Zoning Department. Contact was made with Mr Augilar/COSA PM to determine requirements and if required to be submitted, final review will determine that all lighting compliance issues if required are satisfied. This information is submitted for CoSA Permit Plan Review process.



2 DISCONNECT SWITCH AT CANOPY STRUCTURE
 SCALE: NOT-TO-SCALE

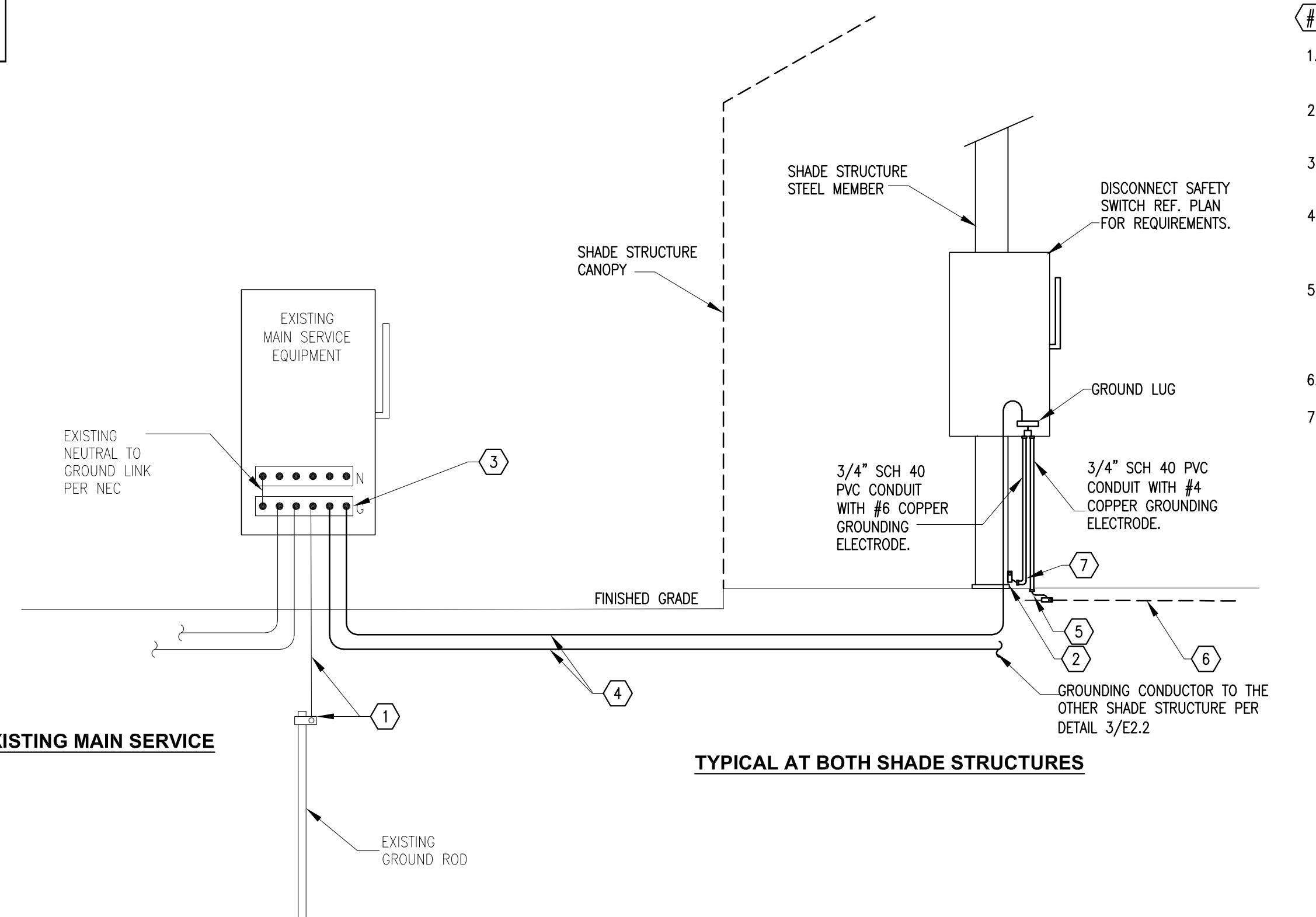


1 MEDIUM DUTY PULLBOX

SCALE: NOT-TO-SCALE

3 KEYED NOTES: (DETAIL 3 ONLY)

- EXISTING SERVICE ENTRANCE GROUNDING ELECTRODE SYSTEM TO REMAIN.
- #6 COPPER GROUNDING ELECTRODE TO EXOTHERMIC CONNECTION AT STEEL. PROVIDE CONDUIT PROTECTION FOR CONDUCTOR.
- CONNECT NEW GROUNDING ELECTRODE CONDUCTOR EXISTING GROUND ELECTRODE SYSTEM.
- EQUIPMENT GROUNDING CONDUCTOR WITH BRANCH CIRCUIT IN CONDUIT VIA PANELS "A" AND "B", SHOWN AS SINGLE LINE FOR CLARITY. CONNECT TO GROUNDING AT SHADE CANOPY DISCONNECT SWITCHES.
- BARE #4 GROUNDING ELECTRODE CONDUCTOR BONDED TO A CONTINUOUS MIN. 20FT LENGTH OF 1/2" DIAMETER STEEL REINFORCING BAR IN CONCRETE SLAB. PROVIDE EXOTHERMIC WELD TO STEEL REINFORCING BAR.
- STEEL REINFORCING BAR IN CONCRETE SLAB PER NOTE 5.
- PROVIDE A 3/4" CONDUIT WITH BUSHING FOR GROUNDING ELECTRODE CONDUCTOR TO STRUCTURE STEEL.



DIVISION 26 – ELECTRICAL SPECIFICATIONS

SECTION 260510 – BASIC REQUIREMENTS FOR ELECTRICAL

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Drawings and Specifications
 - 1. Division 26 specifications are written in imperative and streamlined format. This imperative language is directed to the Contractor. The word "shall" be shall be included by inference where a colon (:) is used within sentences and phrases.

C. Codes and Standards

- 1. Work shall comply with the local city codes and ordinances, the regulations of state agencies having lawfully issued and the codes, practices and reference standards identified within these Specifications. These Specifications shall not be construed as negating the regulations or requirements of lawfully jurisdictions.
- 2. Where Specifications require materials or equipment exceeding the minimum requirements of applicable codes and ordinances, the requirements of these Specifications shall take precedence.

1.2 DEFINITIONS & ABBREVIATIONS

Retain abbreviations and definitions that remain after this Section has been edited.

A. DEFINITIONS

- 1. Contract Documents – Drawings and the project manual, including Specifications.
- 2. Install: to set in place in position for service.
- 3. Furnish: to supply.
- 4. Provide: to install and furnish.
- 5. City – When used in an otherwise non-specific reference anywhere in the Contract documents, City is defined to refer to the local municipal authority governing the project address or the City whose ETI includes the project address.
- B. Utilities: The Contract Documents reflect the general location and routing of existing utilities. Visit the site, and coordinate and confirm the exact conditions. Maintain existing services during construction.
- 1. Temporary Services:
 - a. Provide temporary electrical service and electric power distribution and temporary lighting equipment in accordance with local codes, National Electrical Code and OSHA requirements. Make arrangements with the serving utility for point of service for temporary electric service and pay costs for delivery to and use of the site.

1.3 Submittal Requirements

- A. Provide all electrical submittals at the same time. Submittals are required for new electrical distribution equipment and lighting. Submittal requirements are waived for other sections if specified materials are used.
- B. Submittals shall be provided in binders and arranged in sequence by Specification section number. Provide submittals only for specification sections that list this requirement.
- C. Submittals shall be provided in PDF form.

PART 2 – PRODUCTS

2.1 GENERAL MATERIALS AND EQUIPMENT REQUIREMENTS

- A. Materials and equipment shall conform to National Electrical Code requirements and shall be listed by Underwriters Laboratories, Inc. (UL). UL listing will be accepted as evidence that the material or equipment conforms to the standards of that agency. In lieu of this listing, submit a statement from a nationally recognized testing agency indicating that products have been tested in accordance with UL criteria and that the materials and equipment comply with Contract requirements.

PART 3 – EXECUTION

3.1 COMMON REQUIREMENTS FOR ELECTRICAL INSTALLATION

- A. Coordinate location of access panels and doors for electrical items that are behind finished surfaces or otherwise concealed. Coordinate location of access panels and doors with Architect prior to the associated equipment rough-in.
- B. Apply firestopping to penetrations of fire-rated floor and wall assemblies for electrical installations to restore original fire-resistance rating of assembly.

3.2 VIBRATION ISOLATION

- A. Provide vibration isolation means for equipment and materials to prevent the transmission of perceptible vibration, structure borne or air borne noise.

SECTION 260519 – LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES

1.1 CONDUCTOR MATERIAL APPLICATIONS

- A. Feeders: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.
- B. Branch Circuits: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.
- C. Unless otherwise noted use #10 AWG and larger for homerun wiring.

1.2 CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS

- A. Service Entrance: Type THHN-TWHN, single conductors in raceway or Type XHHW, single conductors in raceway.
- B. All other applications: Type THHN-TWHN, single conductors in raceway.

1.3 INSTALLATION OF CONDUCTORS AND CABLES

- A. Conceal cables in finished walls, ceilings, and floors, unless otherwise indicated.
- B. Install exposed cables parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.
- C. Provide support for conductors in vertical raceways in accordance with NEC 300.19. Refer to Table 300.19(A) for support spacing distance requirements of specific cable sizes.

1.4 CONNECTIONS

- A. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 486B.
- B. Make splices and taps that are compatible with conductor material and that possess equivalent or better mechanical strength and insulation ratings.
- C. Wiring at Outlets: Install conductor at each outlet, with at least 12 inches of slack.

1.5 SLEEVE AND SLEEVE-SEAL INSTALLATION FOR ELECTRICAL PENETRATIONS

- A. Install sleeves and sleeve seals at penetrations of exterior floor and wall assemblies. Comply with requirements in Section 260544 "Sleeves and Sleeve Seals for Electrical Raceways and Cabling."

SECTION 260526

GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS

PART 1 – PRODUCTS

1.1 CONDUCTORS

- A. Insulated Conductors: Copper or tinned-copper wire or cable insulated for 600 V unless otherwise required by applicable Code or authorities having jurisdiction.

1.2 CONNECTORS

- A. Bolted Connectors for Conductors and Pipes: Copper or copper alloy, pressure type with at least two bolts.
- B. Bus-bar Connectors: Mechanical type, cast silicon bronze, solderless, compression type wire terminals, and long-barrel, two-bolt connection to ground bus bar.

1.3 GROUNDING ELECTRODES

- A. Ground Rods: Copper-clad steel 3/4 inch by 10 feet (19 mm by 3 m) in diameter.

PART 2 – EXECUTION

2.1 EQUIPMENT GROUNDING

A. Install insulated equipment grounding conductors with all feeders and branch circuits.

SECTION 260533 – RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

PART 1 – GENERAL

1.1 DEFINITIONS

- A. EMT: Electrical Metallic Tubing.
- B. GRC: Galvanized rigid steel conduit.
- C. IMC: Intermediate metal conduit.
- D. LFMC: Flexible steel conduit with PVC jacket.

PART 2 – PRODUCTS

2.1 METAL CONDUITS, TUBING, AND FITTINGS

- A. Fittings for Metal Conduit: Comply with NEMA FB 1 and UL 514B.
- 1. Fittings for EMT:
 - a. Material: Steel.
 - b. Type: Compression.

PART 3 – EXECUTION

3.1 RACEWAY APPLICATION

- A. Outdoors: Apply raceway products as specified below unless otherwise indicated:
 - 1. Exposed Conduit: GRC (GR) or IMC or RNC, Type EPC-80-PVC. RNC conduit is not allowed on or above roofs.
 - 2. Concealed Conduit, Aboveground: EMT.
 - 3. Underground Conduit (Service entrance and feeders): concrete encased RNC, Type EPC-40-PVC or Type EPC-80-PVC.
 - 4. Underground Conduit (Branch Circuits): Type EPC-80-PVC, direct buried.
 - 5. Connection to Vibrating Equipment (Including Transformers and Hydraulic, Pneumatic, Electric Solenoid, or Motor-Driven Equipment): LFMC.
 - 6. Boxes and Enclosures, Aboveground: NEMA 250, Type 3R.
 - 7. Minimum Raceway Size: 3/4-inch trade size.
 - 8. Raceway Fittings: Compatible with raceways and suitable for use and location.
 - 1. Rigid and Intermediate Steel Conduit: Use threaded rigid steel conduit fittings unless otherwise indicated.
 - 2. EMT: Use compression, steel fittings. Comply with NEMA FB 2.10.
 - 3. Flexible Conduit: Use only fittings listed for use with flexible conduit.
 - 9. Install surface raceways only where indicated on Drawings.

3.2 INSTALLATION

- A. Install no more than the equivalent of three 90-degree bends in any conduit run except for control wiring conduits, for which fewer bends are allowed. Support within 12 inches of changes in direction.
- B. Conceal raceways within finished walls, ceilings, and floors unless otherwise indicated.
- C. Install above grade conduits parallel or perpendicular to building lines.
- D. Support conduit within 12 inches of enclosures to which attached.
- E. Use EMT for raceways for stub-ups to above recessed ceilings. Provide insulated conduit bushing terminate stub-ups.
- F. Terminate threaded conduits into threaded hubs or with locknuts on inside and outside of boxes or couplings. Install bushings or conduits to 1-1/4-inch trade size and insulated. Install insulated thread, metal grounding bushings on service conduits.
- G. Install pull wires in empty raceways. Cap underground raceways designated as spare above grade alongside raceways in use.

SECTION 260553 – IDENTIFICATION FOR ELECTRICAL SYSTEMS

1.1 IDENTIFICATION SCHEDULE

- A. Power-Circuit Conductor Identification, 600 V or Less: For conductors in vaults, pull and junction boxes, manholes, and handholes, use color-coding conductor tape to identify the phase.
- 1. Color-Coding for Phase and Voltage Level Identification, 600 V or Less: Use colors listed below for ungrounded service, feeder, and branch-circuit conductors.
 - a. Color shall be factory applied or field applied for sizes larger than No. 8 AWG, if authorities having jurisdiction permit.
 - b. Colors for 208/120-V Circuits:
 - 1) Phase A: Black.
 - 2) Phase B: Red.
 - 3) Phase C: Blue.
 - c. Colors for 120/240-V Single Phase Circuits:
 - 1) Phase A: Black.
 - 2) Phase B: Red.

- d. Field-Applied Color-Coding Conductor Tape: Apply in half-lapped turns for a minimum distance of 6 inches from terminal points and in boxes where splices or taps are made. Locate bonds to avoid obscuring factory cable markings.
- B. Locations of Underground Lines: Identify with underground-line warning tape for power, lighting, communication, control wiring, and optical fiber cable.

END OF SECTION 260553

SECTION 262813 – FUSES

PART 1 – PRODUCTS

1.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide one of the following:
 - 1. Cooper Bussmann, Inc.
 - 2. Edison Fuse, Inc.
 - 3. Feroz Shawmut, Inc.
 - 4. Littelfuse, Inc.

1.2 FUSE APPLICATIONS

- A. Cartridge Fuses:
 - 1. Feeders: Class RK5, time delay

END OF SECTION

EXTERIOR SOLID STATE LIGHTING

1. RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- 2. SUMMARY

A. Section Includes:

- 1. Exterior luminaires with lamps and drivers.
- 2. Luminaire-mounted photoelectric relays

B. Related Sections:

- 1. Grounding and Bonding for Electrical Systems
- 2. Underground Ducts and Raceways for Electrical Systems
- 3. DEFINITIONS

- A. CCT: Correlated color temperature.

B. CRI: Color-rendering index.

C. LED: Light Emitting Diode.

D. LER: Luminaire efficacy rating.

E. Luminaire: Complete lighting fixture, including driver, and housing if provided.

F. REFERENCES

- A. ANSI/NFPA 70, National Electrical Code.
- B. IEEE C62.41, Guide on the Surge Environment in Low-Voltage (1000 V and Less) AC Power Circuits
- C. 29 CFR Part 15, Federal Code Of Regulation (CFR) testing standard for electronic equipment.
- D. IESNA LM-79, Electrical and Photometric Measurements of Solid-State Lighting Products.
- E. IESNA LM-80, Approved Method for Measuring Lumen Maintenance of LED Light Sources.
- F. IESNA TM-15, Luminaire Classification System for Outdoor Luminaires.
- G. IESNA TM-21-11, Projecting Long Term Lumen Maintenance of LED Light Sources.
- H. UL1598, Standard for Safety of Luminaires.
- I. NEMA SS-3-2010, High-Power White LED Binning for General Illumination.

KENNEDY PARK

New fabric shade structure over existing basketball court.

3299 S.W. 28TH ST. SAN ANTONIO, TX 78226

