HISTORIC AND DESIGN REVIEW COMMISSION

March 20, 2019

HDRC CASE NO: 2019-105 **COMMON NAME:** Father Albert Benavides Park **ADDRESS:** 1502 SALTILLO ST **LEGAL DESCRIPTION:** NCB 3689 BLK 26 LOT 108 FATHER ALBERT BENAVIDES PARK MF-33 **ZONING: CITY COUNCIL DIST.:** 5 **APPLICANT:** Mark Padilla/MP Studio City of San Antonio **OWNER:** Park improvements **TYPE OF WORK:** March 01, 2019 **APPLICATION RECEIVED: 60-DAY REVIEW:** April 30, 2019 Adam Rajper **CASE MANAGER:**

REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to carry out various park improvements, including the construction of a splash pad water feature in an open space along the existing park walk.

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.

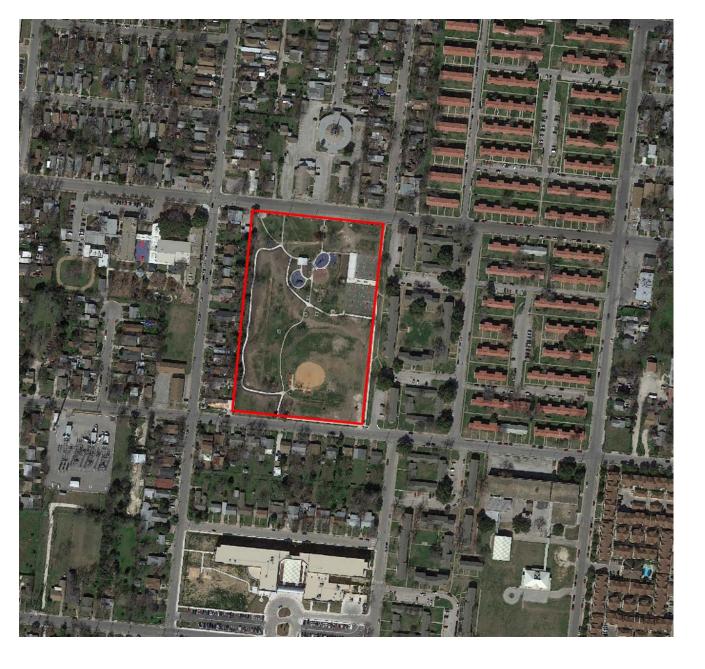
FINDINGS:

- a. The property located at 1502 Saltillo is a public park with the common name of Father Albert Benavides Park and is situated to the southwest of Downtown. The applicant is requesting approval for various park improvements.
- PARK IMPROVEMENTS The applicant has proposed various park improvements, including the construction of a splash pad water feature in an open space along the existing park walk. 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

Powered by ArcGIS Server

Printed:Mar 12, 2019

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BENAVIDES PARK

New splash pad to be installed in the open area along the pathway



2017-2022 BOND PROGRAM **COSA DISTRICT 5 PARKS** FATHER ALBERT BENAVIDES PARK San Antonio, Texas Sitework / Electrical



CITY OF SAN ANTONIO

mayor **RON NIRENBERG**

city manager SHERYL SCULLEY

director of parks & recreation XAVIER D. URRUTIA

council district 1 **ROBERTO TREVINO**

council district 2 CRUZ SHAW

council district 3 **REBECCA VIAGRAN**

council district 4 **REY SALDANA**

council district 5 SHIRLEY GONZALES council district 6 **GREG BROCKHOUSE**

council district 7 ANA SANDOVAL

council district 8 MANNY PELAEZ

council district 9 JOHN COURAGE

council district 10 **CLAYTON PERRY**

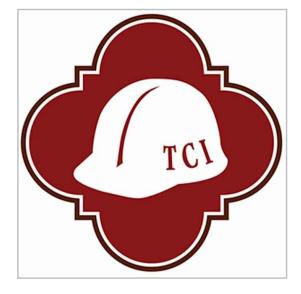
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TCI-project manager
TCI - CITY OF SAN
ANTONIO
CONTACT: PAT SCHNEIDER

114 WEST COMMERCE ST SAN ANTONIO, TEXAS 78283 O: 210.207.8466 E: patrickschneider@sanantonio.gov

City of San Antonio, Texas

Parks & Recreation Department

DISTRICT 5 PARKS

Father Albert Benavides Park 1502 SALTILLO ST, SAN ANTONIO, TX 78207



201 GROVETON | SATX 78210 210.314.5582 | MPSTUD.IO

STATUS

PROJECT **BENAVIDES** PARK COSA DISTRICT 5 PARK

> **PROJECT ADDRESS** 1502 SALTILLO STREET SAN ANTONIO, TX 78207 **OWNER | CLIENT**

TCI - CITY OF SAN ANTONIO 14 WEST COMMERCE ST SAN ANTONIO, TX 78283

> **OWNER'S REPRESENTATIVE** PAT SCHNEIDER 210.207.8466

Patrick.Schneider@sanantonio.gov

A PROJECT BY

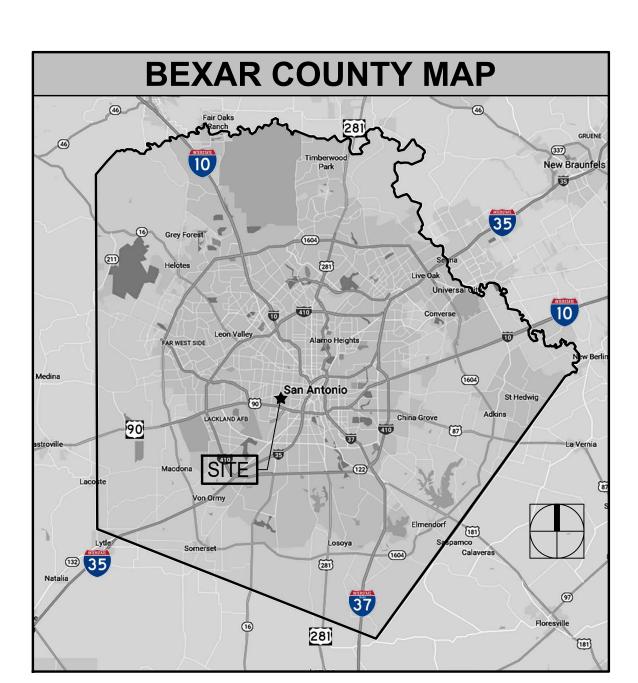
landscape architect **MP STUDIO**

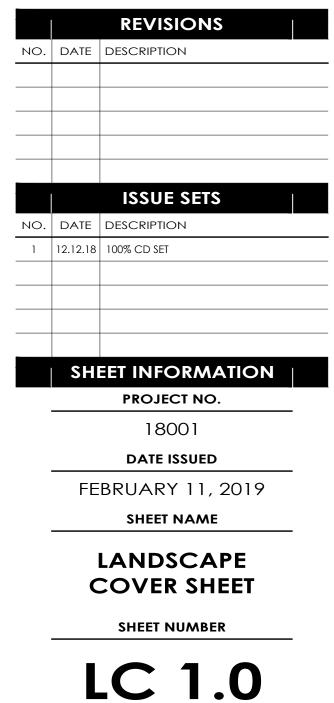
CONTACT: MARK PADILLA 201 GROVETON STREET SAN ANTONIO, TX 78210 O: 210.314.5582 E: mark@mpstud.io

mep engineer **CNG ENGINEERING**

CONTACT: JERRY CABALLERO 1917 N. NEW BRAUNFELS AVE. SAN ANTONIO, TX 78208 0:210.224.8841 E: jerry.caballero@cngengineering.com

SUBCONSULTANT





GENERAL LEGEND

ABBREVIATIONS DESCRIPTION SYMBOL AREA DRAIN BOTTOM OF CURB BACK OF CURB BOC BOTTOM OF WALL CENTER LINE EASEMENT ESMT EDGE OF PAVEMENT FOP EXPANSION JOINT FACE OF CURB FOC FINISH FLOOR ELEVATION FIRE HYDRANT HIGH POINT INVERT OF PIPE .O.C. LIMITS OF CONSTRUCTION NOT IN CONTRACT N.I.C. ON CENTER ON CENTER EACH WAY OCEW OVERHEAD ELECTRIC OHE PLANTER DRAIN PLANTING AREA POWER POLE POINT OF BEGINNING POB RIGHT OF WAY R.O.W. POINT OF TANGENCY ΓΑΝ STORM DRAIN SANITARY SEWER TOP OF DRAIN TOP OF POOL COPING PC TOP OF CURB TOP OF FOOTING TOP OF WALL UNDERGROUND ELECTRIC UGE UNLESS NOTED OTHERWISE U.N.O. WATER DEPTH WD WATER LEVEL

SYMBOLS & LINE TYPES

SYMBOL	DESCRIPTION
REF:	ENLARGEMENT AREA W/ CALLOUT
X LS X.X	DETAIL CALLOUT
X.X XXX	MATERIALS & FINISHES CALLOUT
1 LS2.X	SECTION CALLOUT
1 LS2.X	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
XXX.XX	PROPOSED SPOT ELEVATION
T.O. XXXX XXXX.XX	PROPOSED DATUM ELEVATION
X"	PIPE SIZE
	WATER FLOW / SWALE DIRECTION
М	ELECTRICAL METER
	JUNCTION BOX
	CONDUIT
+	HOME RUN
	SIGN LIGHT
(€	TREE OR SIGN BULLET UPLIGHT
*	POLE LIGHT
•	GFI ELECTRICAL OUTLET

MATERIALS SCHEDULE

SIT	SITE MATERIALS							
KEY	DESCRIPTION / MODEL NUMBER	COLOR	FINISH	SOURCE	REMARKS			
S.1	SAFETY SIGN	AQUA BLUE	STANDARD	LOCAL SOURCE	• CONTRACTOR TO REFERENCE SIGN DETAIL 1/ LS 2.1 AND PROVIDE SAMPLE FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION			
S.2	SPLASH PAD BY KRAFTSMAN COMMERCIAL PLAYGROUNDS & WATER PARKS		REF. KRAFTSMAN SPECIFICATIONS	CONTACT: RAMON GARZA COMPANY: KRAFTSMAN PHONE: 281.353.9599 EMAIL:RamonG@kraftsmanplay.com	 INSTALL PER MANUFACTURER'S RECOMMENDATIONS KRAFTSMAN TO PROVIDE ALL NECESSARY DRAWGINS & CUTSHEETS FOR SPLASH PAD & MECHANICAL EQUIPMENT 			
S.3	BERMUDA HYDROSEED CYNODON DACTYLON	STANDARD	STANDARD	LOCAL SOURCE	 INSTALL PER MANUFACTURER'S RECOMMENDATIONS SEEDS 2 LBS./ 1,000 SQ.FT. CONTRACTOR TO FIELD VERIFY QUALITY OF LAWN REQUIRED 			

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.



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STATUS



PROJECT

BENAVIDES PARK

COSA DISTRICT 5 PARK

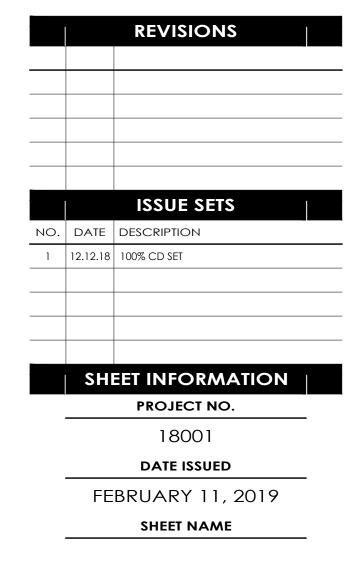
PROJECT ADDRESS 1502 SALTILLO STREET SAN ANTONIO, TX 78207 OWNER | CLIENT

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

> OWNER'S REPRESENTATIVE PAT SCHNEIDER 210.207.8466

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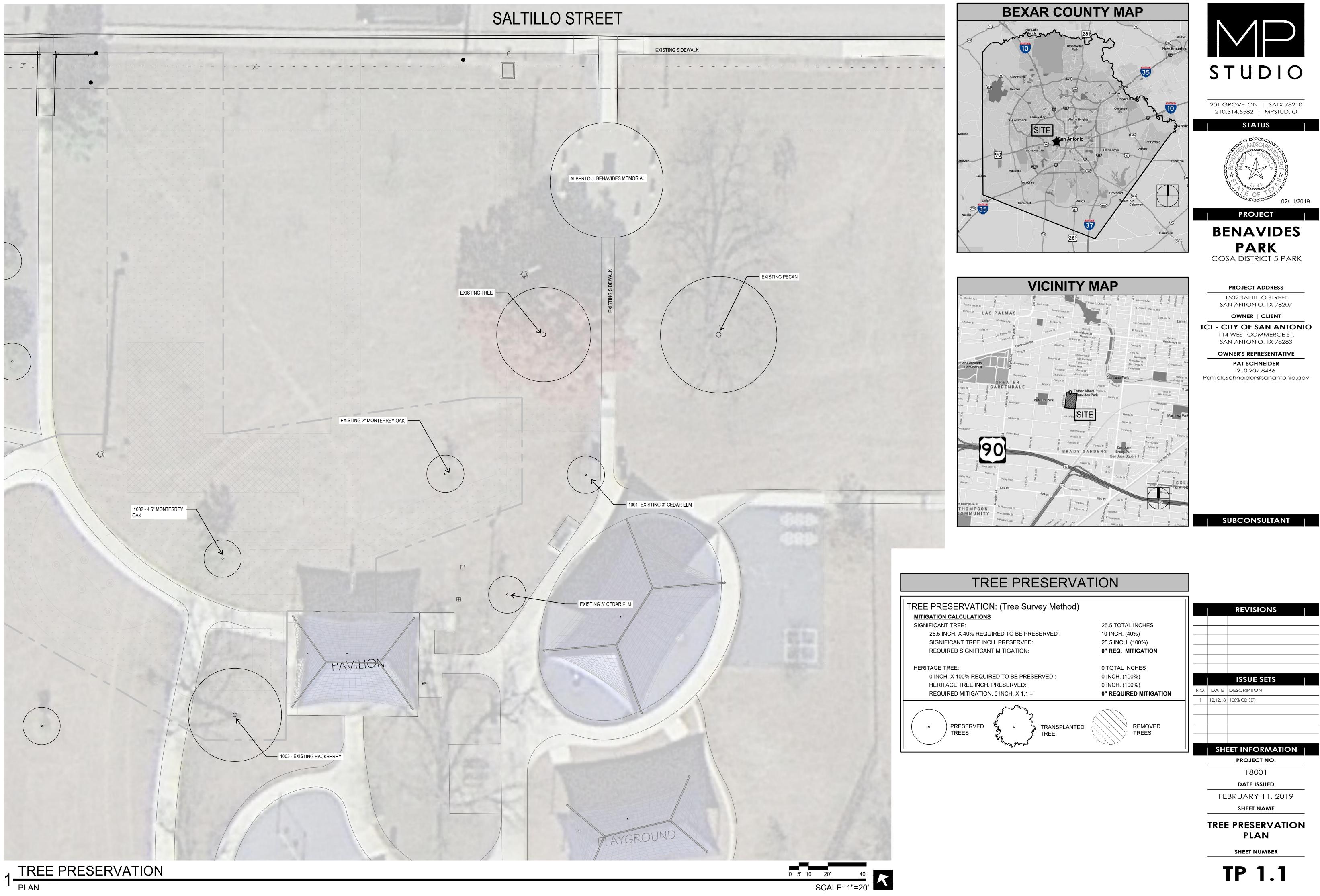


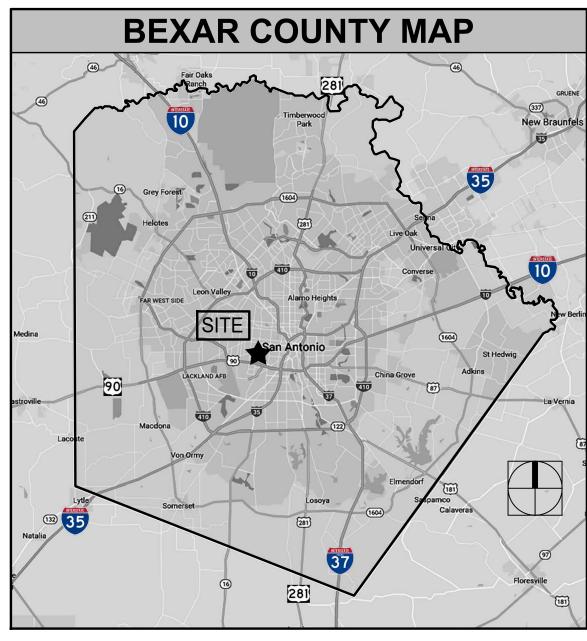


GENERAL NOTES

SHEET NUMBER

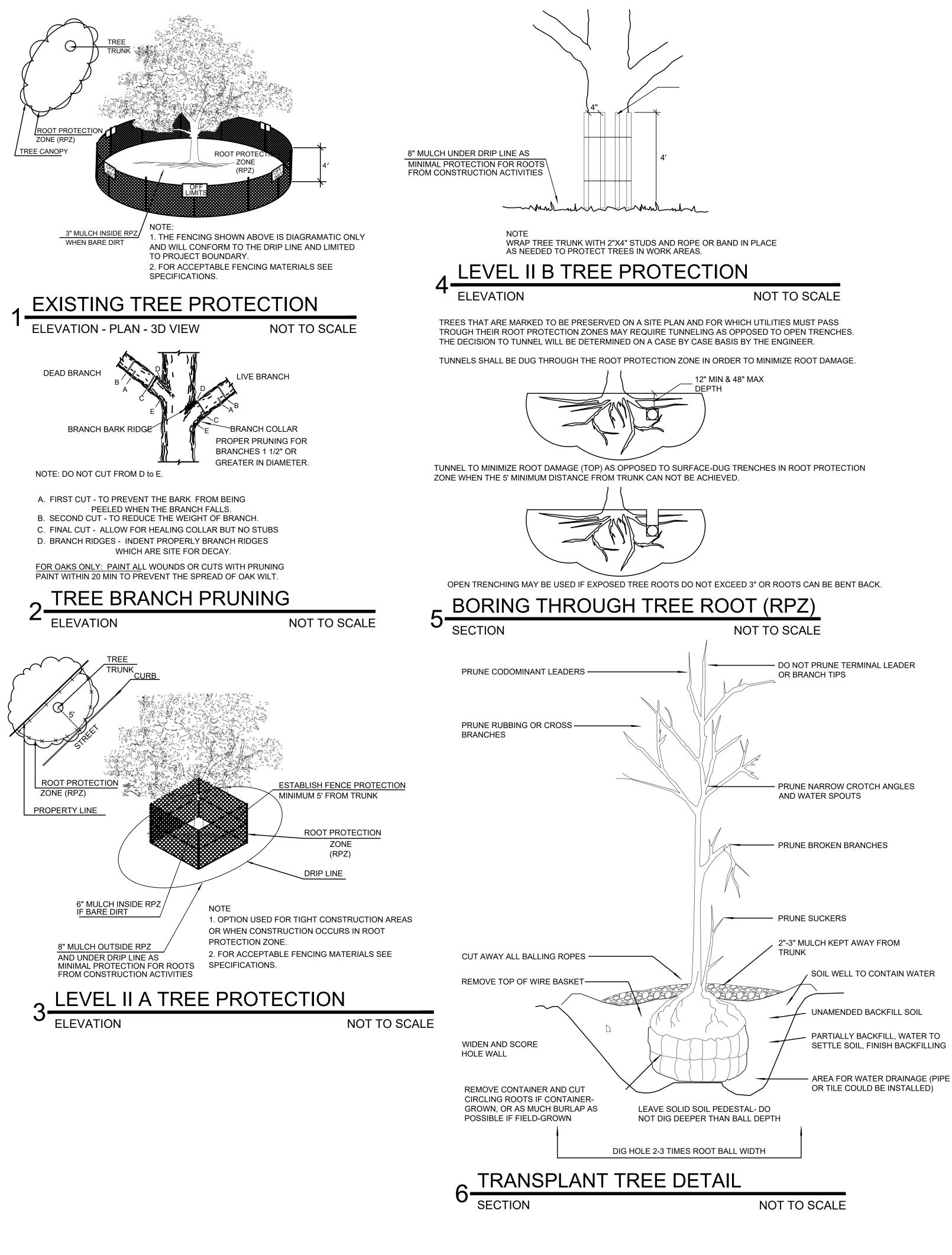


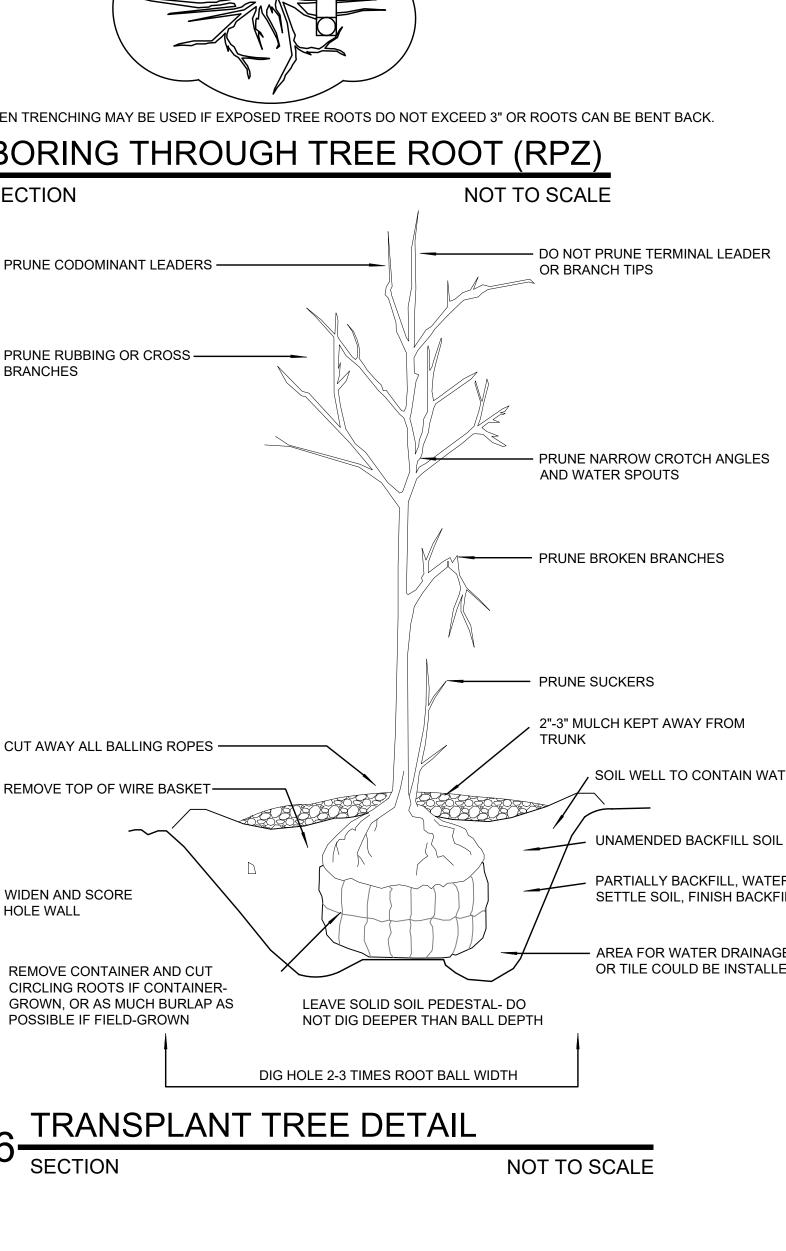












	BENAVIDES PARK TREE INVENTORY												
			Understory 5.0" -	/ Species* 11.5"	_	ant Tree 23.5"	-	nt Tree** - 23.5"	Herita	age 3:1	Herita	ge 1:1	Additional Inches Preserved for
Tag #	Species	Tree Caliper	Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	Removed	Preserved	Preserved
1001	Monterey Oak	3				3							
1002	Monterey Oak	4.5				4.5							
1003	Hackberry	18						18					
Sub. Tot.	Inches=		0	0	0	7.5	0	18	0	0	0	C	0
Total inch	es by category=			0		7.5		18		0		C	
Preservat	ion percentage=		#DI	V/0!		Significant	10	0%	Heritage P	reservation	#DI	V/0!	0
Mitigation required (Commercial) = 0)		ial (inches)									
Mitigation	required (Residentia	2	()	Resident	tial (inches)	-16.575		Heritag	e Mitigation	(inches)	0	

EXISTING TREE NOTES

1. ALL THE TREES WITH A DIAMETER GREATER THAN 3 INCHES AFFECTED BY CONSTRUCTION SHALL HAVE THE LIMBS AND ROOTS TRIMMED AND PRUNED ACCORDING TO TREE PRUNING, SOIL AMENDING AND FERTILIZATION, UNLESS SPECIFIED TREES SHALL RECEIVE PROTECTION AS SHOWN ON TREE PROTECTION DETAIL ON THIS SHEET.

2. ALL TREES SHALL REMAIN UNLESS NOTED ON THE PLANS.

3. NO SITE PREPARATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED BY CITY INSPECTOR.

4. TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION.

5. THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN THREE INCHES IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR.

6. THE ROOT PROTECTION ZONE IS THAT AREA SURROUNDING A TREE, AS MEASURED BY A RADIUS FROM THE TREE TRUNK IN WHICH NO EQUIPMENT, VEHICLES OR MATERIALS MAY OPERATE OR BE STORED. THE REQUIRED RADIUS LENGTH IS 1 FOOT PER DIAMETER INCH OF THE TREE. FOR EXAMPLE, A 10-INCH DIAMETER TREE WOULD HAVE A 5-FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES THAT ARE IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. LIVE OAK WOUNDS SHALL BE PAINTED OVER, WITHIN 20 MINUTES TO PREVENT OAK WILT.

7. ACCESS TO FENCED AREAS WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE ENGINEER OR CITY INSPECTOR.

DIRECTED BY THE PROJECT MANAGER OR CITY INSPECTOR.

ENGINEER'S SATISFACTION.

11. EXPOSED ROOTS SHALL BE COVERED AT THE END OF EACH DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.

12. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST PRIOR TO ITS REMOVAL

8. GRADING, IF REQUIRED, SHALL BE LIMITED TO A 3 INCH CUT OR FILL WITHIN THE FENCED ROOT ZONE AREAS.

9. TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS SHALL BE REMOVED BY HAND AS

10. TREES DAMAGED OR LOST DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE



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STATUS



PROJECT **BENAVIDES** PARK

COSA DISTRICT 5 PARK

PROJECT ADDRESS 1502 SALTILLO STREET SAN ANTONIO, TX 78207

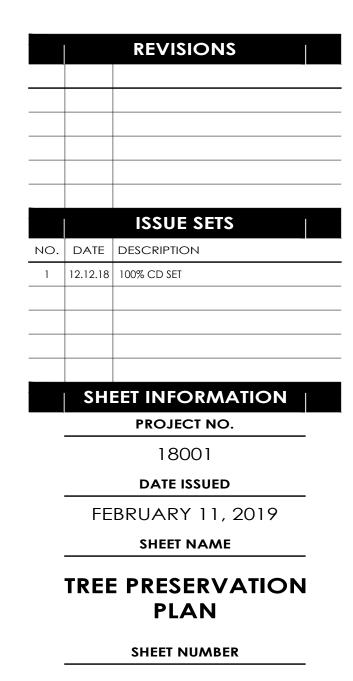
OWNER | CLIENT

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

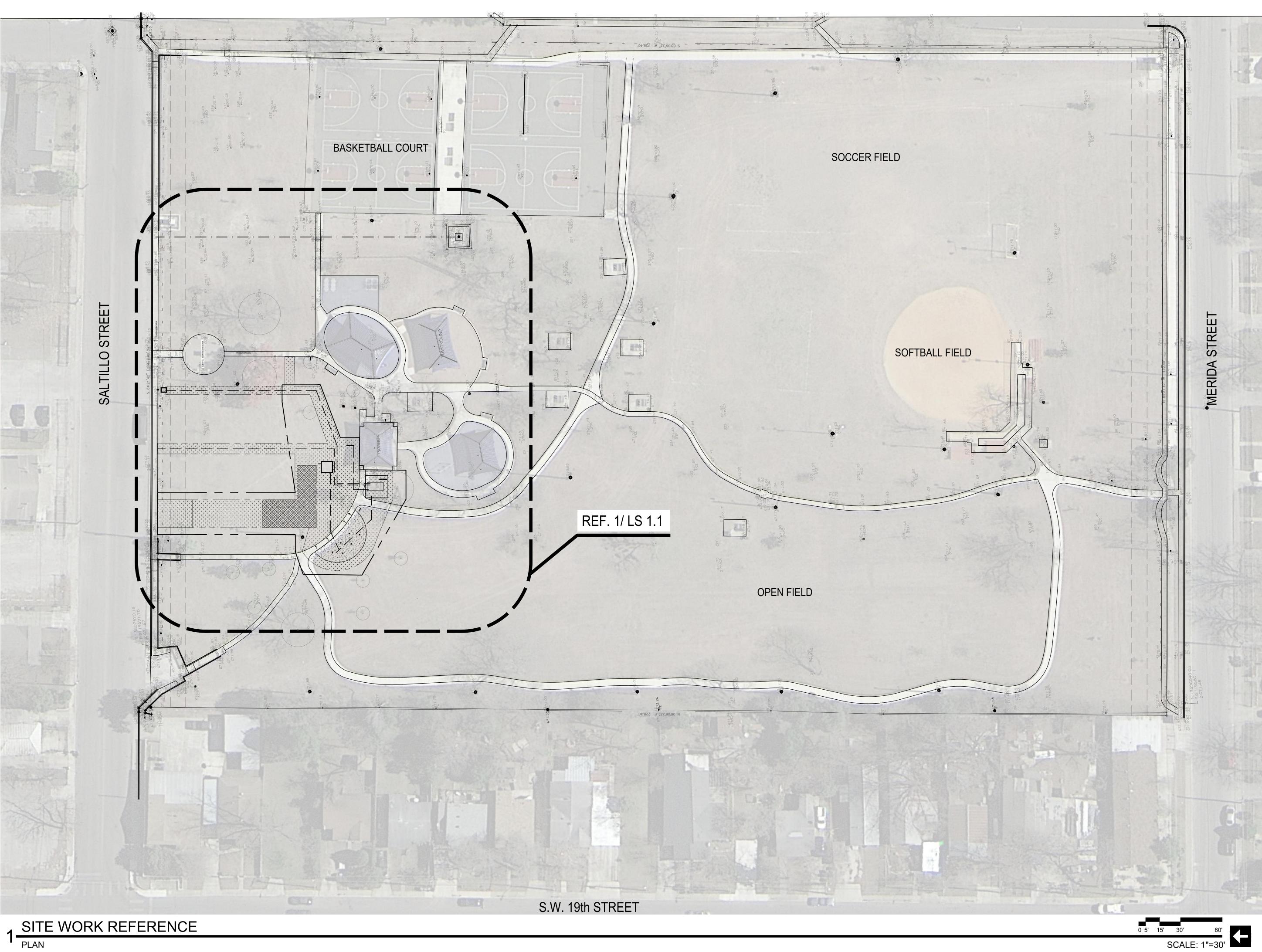
> **OWNER'S REPRESENTATIVE** PAT SCHNEIDER 210.207.8466

Patrick.Schneider@sanantonio.gov

SUBCONSULTANT









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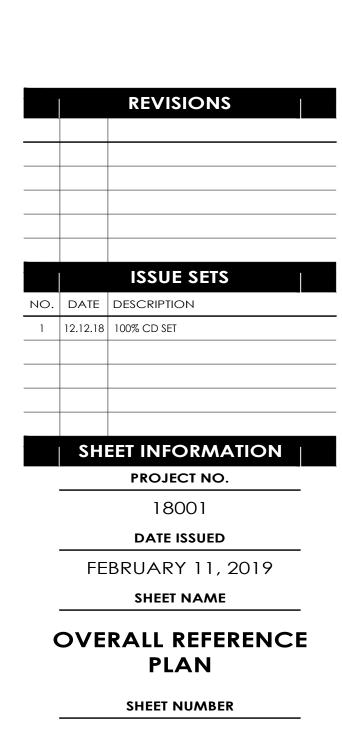
BENAVIDES **PARK** COSA DISTRICT 5 PARK

PROJECT ADDRESS 1502 SALTILLO STREET SAN ANTONIO, TX 78207 OWNER | CLIENT

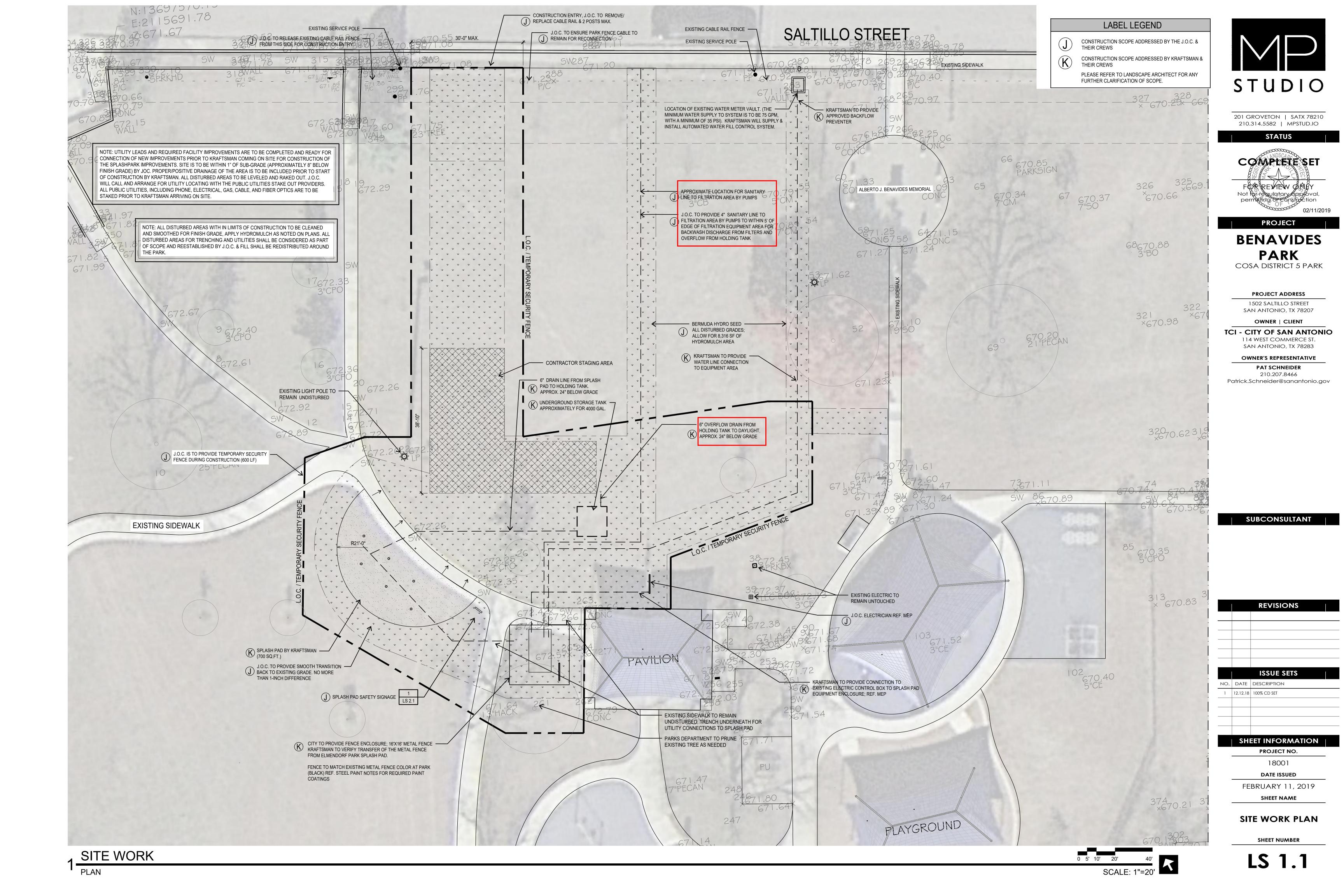
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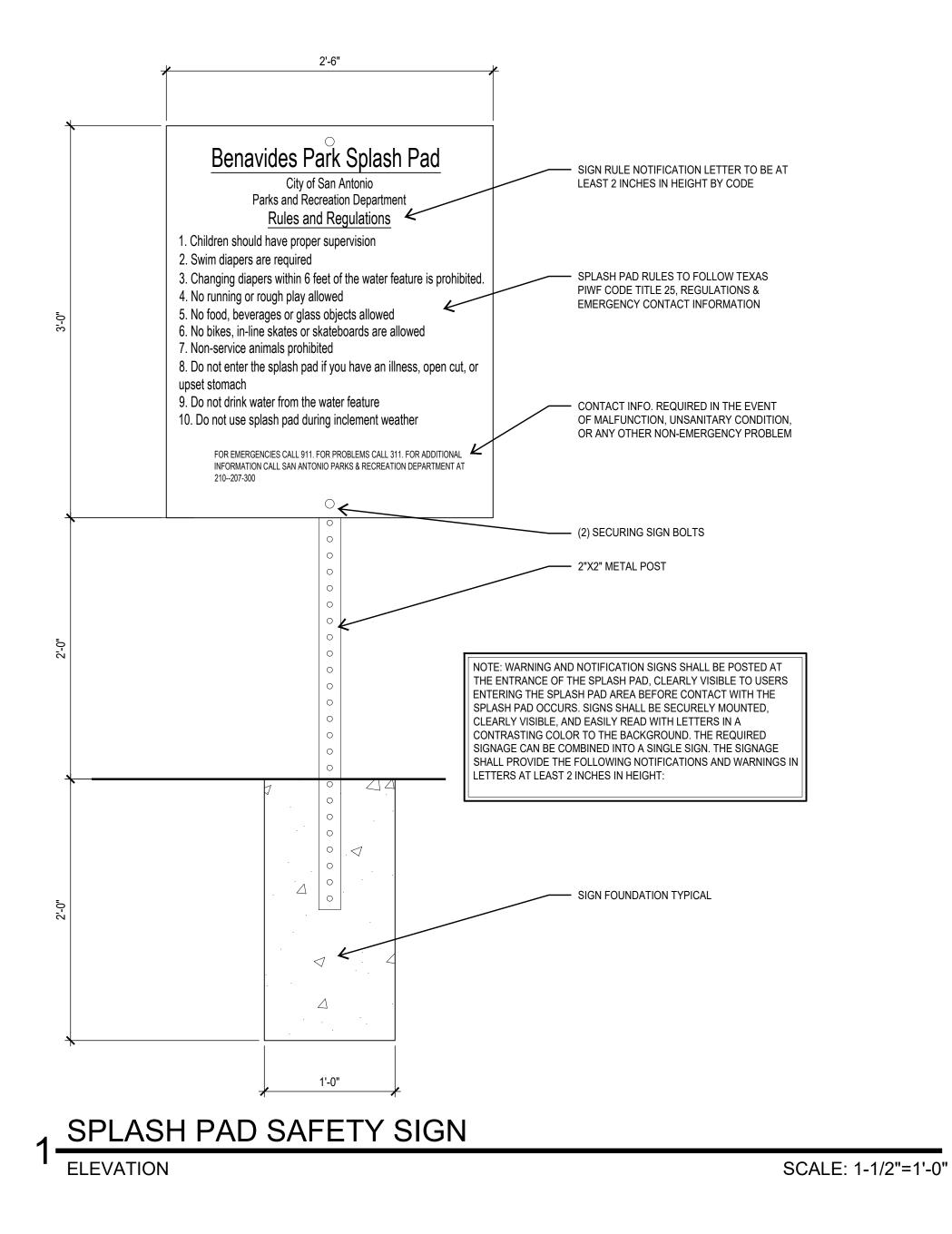
OWNER'S REPRESENTATIVE PAT SCHNEIDER 210.207.8466 Patrick.Schneider@sanantonio.gov

SUBCONSULTANT









Elmendorf Park Splash Pad City of San Antonio Parks and Recreation Department
Rules and Regulations
1. CHILDREN SHOULD HAVE PROPER SUPERVISION. 2. SWIM DIAPERS ARE REQUIRED.
3. CHANGING DIAPERS WITHIN 6 FEET OF THE WATER FEATURE IS PROHIBITED.
4. NO RUNNING OR ROUGH PLAY ALLOWED. 5. NO FOOD, BEVERAGES OR GLASS OBJECTS ALLOWED.
6. NO BIKES, IN-LINE SKATES OR SKATEBOARDS ARE ALLOWED.
7. NON-SERVICE ANIMALS PROHIBITED.
 8. DO NOT ENTER THE SPLASH PAD IF YOU HAVE AN ILLNESS, OPEN CUT, OR UPSET STOMACH. 9. DO NOT DRINK WATER FROM WATER FEATURE.
9. DO NOT DRINK WATER FROM WATER FEATURE. 10. DO NOT USE SPLASH PAD DURING INCLEMENT WEATHER.
For Emergencies call 911. For Problems call 311. For additional information call San Antonio Parks & Recreation Department at 210-207-3000.

PROJECT EXAMPLE



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PROJECT BENAVIDES PARK COSA DISTRICT 5 PARK

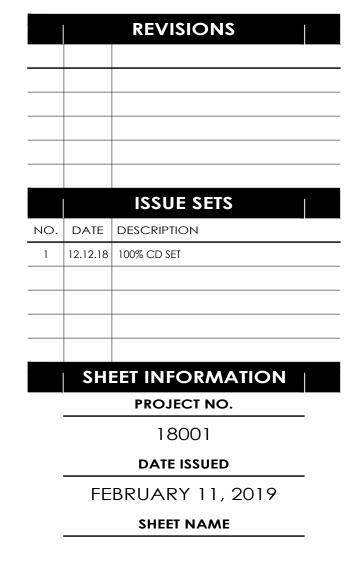
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> OWNER'S REPRESENTATIVE PAT SCHNEIDER 210.207.8466

Patrick.Schneider@sanantonio.gov





SITE DETAILS

SHEET NUMBER



GENERAL	MOTOR, HP AS INDICATED	RACEWAYS (cont.) (26 05 33)
	MOTOR, HP AS INDICATED	<u> </u>	
		BRANCH CIF PANEL -2 4 6 INDICATED	RCUIT HOMERUN, WITH PANEL AND BREAKER POSITION
	DISCONNECT SWITCH	IG G N NUTRAL CO	RCUIT HOMERUN, WITH PANEL AND BREAKER POSITION SMALL TICK(S) = PHASE CONDUCTORS, LARGE TICK = ONDUCTOR AND LARGE TICK WITH CIRCLE = GROUND R.
\boxtimes	MOTOR CONTROLLER		
\boxtimes	COMBINATION MOTOR CONTROLLER/DISCONNECT UNIT	WIRING DEVICES	(26 27 26)
	VARIABLE FREQUENCY DRIVE		
C	CONTACTOR	GFCI, SIMPLEX	RECEPTACLE – 15A, 125V, 3W, NEMA 5–15R, WITHNI
(1)	JUNCTION BOX, CEILING MOUNTED		
J	JUNCTION BOX, WALL MOUNTED		
•	PUSHBUTTON	REFERENCE SYM	IBOLS
•	EQUIPMENT CONNECTION, HARD WIRED		
ТВ	PLYWOOD TELEPHONE BACKBOARD	2	CIRCUIT END EXTENSION
GHTING CONTE	ROL PANELBOARDS (26 09 26)	$\langle X \rangle$	KEYED NOTE TAG, HEXAGON
<i>در در ۲</i>		⊗	DEMOLITION KEYED NOTE TAG, ROUND
<u> 777777</u> 2	FEEDTHROUGH LIGHTING CONTROL PANELBOARD, SURFACE MOUNTED (SEE E7 SERIES FOR PANEL SCHEDULES)		ADDENDUM, ASI, ASR, PR TAG
		(<u>xxx-xx</u>)	EQUIPMENT TAG
ANELBOARDS	(26 24 16)		
	120/2407V PANELBOARD, SURFACE MOUNTED	(1) (E1.0)	ENLARGED PLAN, DETAIL TAG
		5 E303	ELEVATION TAG
CEWAYS (26 C	<u>95 33)</u>		
		5	SECTION TAG
OHE	OVERHEAD UTILITY LINE		
UGE	UNDERGROUND UTILITY LINE		
OHE	EXISTING OVERHEAD UTILITY LINE		
UGE	EXISTING UNDERGROUND UTILITY LINE		
	CONDUIT CONCEALED IN WALL OR CEILING WITH ONE PHASE, NEUTRAL AND GROUND CONDUCTOR U.N.O.		
	UNDERGROUND CIRCUIT POWER LINES		

ELECTRICAL SYMBOLS & ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]

TION	ABBREVIATI	ON DESCRIPTION	ABBREVIATIO	ON DESCRIPTION	(
					1. CONTRACTOR SHALL F. AND REVIEW ALL RELA
ER POSITION	A	AMPERE(S)	Р	POLE	BID.
ARGE TICK = = GROUND	ABV	ABOVE	PA	PUBLIC ADDRESS	2. THE DRAWINGS ARE D FIELD CONDITIONS AND
	AC A/C	ABOVE COUNTER AIR CONDITIONING	РВ	PUSH BUTTON	LOCATIONS OF EQUIPM ARCHITECT/ENGINEER PLANS IS NOT FEASIBI
	AIC	AMPERE INTERRUPTING CAPACITY	PBX	PRIVATE BUILDING EXCHANGE	PLANS IS NOT FEASIBI
	AFF	ABOVE FINISHED FLOOR	PC	PULL CHAIN	
	AFG	ABOVE FINISHED GRADE	PEC PNL	PHOTO CELL PANELBOARD	3. LOCATIONS OF DEVICE SHALL BE DETERMINED
	AHU	AIR HANDLING UNIT	PSI	POUNDS PER SQUARE INCH	ENGINEER OF ANY CO
-15R, WITHNEMA 3R WHILE IN USE COVER	ATS	AUTOMATIC TRANSFER SWITCH	PVC	POLY VINYL CHLORIDE CONDUIT	4. REFERENCE EQUIPMEN AND ADDITIONAL INFOR
	BC	BELOW COUNTER	PWR	POWER	PLAN.
	BFF	BELOW FINISHED FLOOR	RGS	RIGID GALVANIZED STEEL CONDUIT	5. LOCATIONS OF MECHAI EQUIPMENT VENDOR D
	BLDG	BUILDING	RMC	RIGID METAL CONDUIT	6. ALL ELECTRICAL WORK
			SC	SPLIT CIRCUIT	ISSUE OF THE NATION CODES. ALL WORK SH
	C	CONDUIT	SN	SOLID NEUTRAL	INSTALLATION. ALL SYS MANNER IN ACCORDAN
	CB	CIRCUIT BREAKER	SQFT SW	SQUARE FEET,FOOT SWITCH	SPECIFICATIONS APPRO
	ССТУ	CLOSED CIRCUIT TELEVISION CIRCUIT	SWBD	SWITCHBOARD	7. PROVIDE A TYPED PAN ELECTRICAL PANEL. DI
	COND	CONDUCTOR			DEVICES SERVED, AND
ND					COPY OF DIRECTORIES WORK IS COMPLETED,
	DIA	DIAMETER	TELE	TELEPHONE	MANUALS.
	DIST	DISTRIBUTION	TSTAT	THERMOSTAT	8. INDICATED SPARE AND ELECTRICAL ONE-LINE
	DN	DOWN	TV TYP.	TELEVISION TYPICAL	MINIMUM NUMBER REG
	DWGS	DRAWINGS		in ole	9. ALL CONNECTIONS TO VIBRATION SHALL BE
					TIGHT FLEXIBLE METAL GROUND WIRE THROUG
	EC	EMPTY CONDUIT	UEP	UNDERGROUND ELECTRIC PRIMARY	CONNECTIONS.
	EMT	ELEC. METALLIC TUBING	UES	UNDERGROUND ELECTRIC SECONDARY	10. PROVIDE UL, CLASS A
	EQMT	EQUIPMENT	UEB	UNDERGROUND ELECTRIC BRANCH CIRCUIT	DEVICES ON ALL CONS RECEPTACLE CIRCUITS,
	EXH	EXHAUST	U.N.O.	UNLESS NOTED OTHERWISE	RECOMMENDED IN THE
	EXTG	EXISTING			11. IDENTIFY PANEL AND (DEVICES ON THE OUTS
			V	VOLT(S)	12. ALL FUSES/CIRCUIT B
	FC	FOOT CANDLES	VP	VAPOR PROOF	MOTOR STARTERS, ETC SIZED AS RECOMMEND
	FLEX	FLEXIBLE METAL CONDUIT	w	WIRE	LOAD DEVICE SERVED.
	FN	FULL NEUTRAL	WP	WEATHERPROOF	
	FT	FEET, FOOT	XFMR	TRANSFORMER	
	GALV	GALVANIZED			
	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	Z	IMPEDENCE	
	GFI	GROUND FAULT INTERRUPTER	1P	ONE POLE	DEMOLITIC
	GND	GROUND	2P	TWO POLE	
	НОА	HAND OFF AUTOMATIC	ЗР	THREE POLE	
	НZ	HERTZ	0	PHASE	1. CONDUCT ALL DEMOLI
					SAFE WORK ENVIRONM
	ID	INSIDE DIAMETER			SAFETY RULES AND P OSHA REQUIREMENTS.
		INTERMEDIATE STEEL CONDUIT			2. CONTRACTOR SHALL R
	IN	INCHES			MATERIALS SURVEYS F OBSERVE RECOMMEND
	JB	JUNCTION BOX			OF ANY REMEDIAL WO HAZARDOUS MATERIAL
	кv	KILOVOLT			REPRESENTATIVE IF AN OR OBSERVED DURING
	KVA	KILOVOLT AMPERE			CONTRACT.
	KVAC	KILOVOLT AMPERE CAPACITIVE			3. SURVEY AREAS OF TH PARTIAL DEMOLITION P
	KVAR	KILOVOLT AMPERE REACTIVE			SUBMIT A REPORT OF UTILIZATION EQUIPMEN
	КW	KILOWATT			WORKING ORDER IN A
	KWH	KILOWATT HOUR			REVIEW WITH THE OWN
					4. RESTORE CIRCUITS, UT AFFECTED BY SELECTI
	LB	POUND			THE PRE-WORK SURV PORTION OF THE LOAD
	м	MANHOLE			ASSOCIATED CIRCUITRY REMAINING LOAD REMA
	MAX	MAXIMUM			5. THE OWNER SHALL HA
	MEP	MECHANICAL, ELECTRICAL & PLUMBING			MATERIAL. REQUEST DISPOSITION OF SALVA
	мн	MOUNTING HEIGHT			TO REMOVAL. IF SO SHALL REMAIN THE PF
	MIN				DELIVERED BY THE CO
	MLO MTG	MAIN LUGS ONLY MOUNTING			REMOVE AND DISPOSE THE OWNER.
	MIG	MOONTING			6. VERIFY LOCATION AND
	NA	NOT APPLICABLE			ALLOWANCE WILL BE N UNFAMILIARITY WITH TH
	NC	NORMALLY CLOSED			7. PROVIDE BLANK COVER
	NF	NON FUSED			BOXES, RACEWAYS, AU CASES AND HOUSINGS
	NO	NORMALLY OPEN			SUBSTANTIALLY EQUIVA
	N.T.S.	NOT-TO-SCALE			8. IF A CONDUIT RUN IS WITHOUT A MOUNTING
	ос	ON CENTER			THE RACEWAY SHALL
	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED			
	он	OVERHEAD			9. PROTECT ELECTRICAL ARE SCHEDULED TO E
					REPLACE ITEMS DAMAG THE OWNER. NOTIFY
					ELECTRICAL EQUIPMEN SCHEDULED TO BE RE
					10. CONTRACTOR SHALL U
					PANEL WHERE CIRCUIT
	1		1		



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GENERAL NOTES

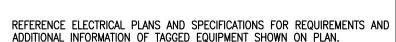
L FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS RELATED DRAWINGS AND SPECIFICATIONS PRIOR TO

- RE DIAGRAMMATICAL. CONTRACTOR SHALL VERIFY 5 AND DETERMINE CONDUIT ROUTING AND EXACT 201PMENT AND DEVICES. NOTIFY THE EER IF THE APPROXIMATE CONDUIT ROUTING SHOWN ON ASIBLE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY TO ROUGH—IN.
- VICES ARE DIAGRAMMATICAL. EXACT LOCATIONS INED IN THE FIELD. CONTRACTOR SHALL NOTIFY 'CONFLICTS PRIOR TO ROUGH-IN.
- PMENT CONNECTION SCHEDULE FOR REQUIREMENTS INFORMATION OF TAGGED EQUIPMENT SHOWN ON ECHANICAL EQUIPMENT TO BE COORDINATED WITH
- OR DRAWINGS FOR EXACT LOCATIONS AND QUANTITY. /ORK SHALL BE IN ACCORDANCE WITH THE CURRENT TIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL (SHALL MATCH THE EXISTING BUILDING'S ELECTRICAL SYSTEMS SHALL BE INSTALLED IN A WORKMANLIKE RDANCE WITH APPLICABLE STANDARDS AND PPROVED BY ALL AUTHORITIES HAVING JURISDICTION.
- PANEL DIRECTORY FOR EACH NEW OR MODIFIED DIRECTORY SHALL IDENTIFY THE CIRCUIT NUMBER, AND LOCATION OF DEVICES BY ROOM NUMBER. FILE RIES WITH THE OWNER'S REPRESENTATIVE WHEM ED, AND PROVIDE COPIES WITH THE OWNER'S
- AND/OR SPACES IN ALL EQUIPMENT ON THE LINE DIAGRAM AND IN THE PANEL SCHEDULES ARE THE REQUIRED FOR THIS PROJECT.
- S TO MOTORS, OR OTHER DEVICES SUBJECT TO BE MADE USING A MINIMUM OF 12" LENGTH OF LIQUID METALLIC CONDUIT. PROVIDE CONTINUOUS SEPARATE IROUGH ALL FLEXIBLE METALLIC CONDUIT
- S A GROUND FAULT INTERRUPTER CIRCUIT PROTECTIVE CONSTRUCTION RECEPTACLE CIRCUITS, OUTSIDE IITS, AND ON ALL OTHER CIRCUITS REQUIRED OR THE NATIONAL ELECTRIC CODE.
- ND CIRCUIT NUMBER FOR ALL INSTALLED ELECTRICAL OUTSIDE OF THE JUNCTION BOX. JIT BREAKERS IN PANELS, DISCONNECT SWITCHES, ETC., SERVING MOTORS AND EQUIPMENT SHALL BE
- , ETC., SERVING MOTORS AND EQUIPMENT SHALL BE MENDED BY THE MANUFACTURER OF THE PARTICULAR EVED. COORDINATE WITH OTHER TRACES AS REQUIRED.

TION GENERAL NOTES

MOLITION WORK IN SUCH MANNER TO MAINTAIN A CONMENT AND IN ACCORDANCE WITH APPLICABLE D PROCEDURES WITHIN NEC, NESC, NECA, AND

- LL REQUEST AND REVIEW ANY HAZARDOUS YS FROM THE OWNER'S REPRESENTATIVE. MENDED PRECAUTIONS AND VERIFY THE STATUS WORK RECOMMENDED OR NOTED WITHIN THE RIAL SURVEY. NOTIFY THE OWNER'S IF ANY HAZARDOUS MATERIALS ARE SUSPECTED JRING THE COURSE OF EXECUTING THIS
- F THE FACILITY SCHEDULED FOR RENOVATION OR ON PRIOR TO ANY WORK BEING PROFORMED. T OF THIS PRE—WORK SURVEY DETAILING ANY MENT OR SYSTEMS THAT ARE NOT IN GOOD IN ADVANCE OF ANY DEMOLITION WORK AND OWNER'S REPRESENTATIVE.
- 5, UTILIZATION EQUIPMENT, AND SYSTEMS ECTIVE DEMOLITION TO THE CONDITION NOTED IN SURVEY REPORT. ELECTRICAL CIRCUITS WITH A LOAD REMOVED SHALL HAVE THE REMOVED LOADS JITRY TERMINATED IN SUCH A MANNER THAT THE REMAINS FULLY OPERATIONAL.
- L HAVE FIRST RIGHT OF REFUSAL FOR SALVAGED EST THAT THE OWNER PROVIDE DIRECTION ON SALVAGED MATERIAL FIVE (5) WORKING DAYS PRIOR SO DIRECTED BY THE OWNER, SALVAGED MATERIAL IE PROPERTY OF THE OWNER AND SHALL BE E CONTRACTOR TO A LOCATION AS DIRECTED. POSE ANY SALVAGED MATERIAL NOT RETAINED BY
- AND QUANTITY OF ITEMS TO BE REMOVED. NO BE MADE BECAUSE OF CONTRACTOR'S TH THESE DETAILS.
- COVERS AND PLATES AT UNUSED OPENINGS IN 6, AUXILIARY GUTTERS, CABINETS, EQUIPMENT SINGS SHALL BE CLOSED TO AFFORD PROTECTION QUIVALENT TO THE EQUIPMENT ENCLOSURE.
- N IS EXPOSED OR A SURFACE RACEWAY LEFT TING SURFACE DUE TO REMOVAL OF A PARTITION, ALL BE REROUTED AS ACCEPTABLE TO THE
- RICAL EQUIPMENT, OUTLETS, AND DEVICES THAT TO BE RELOCATED. REPAIR, RESTORE, OR DAMAGED WHEN REMOVED TO THE APPROVAL OF OTIFY THE OWNER/ARCHITECT/ENGINEER OF ANY IPMENT, OUTLETS AND/OR DEVICES WHICH ARE BE RE-USED THAT ARE FOUND TO BE UNUSABLE.
- L UPDATE PANELBOARD DIRECTORIES AT EACH CUIT MODIFICATIONS ARE MADE.



POWER GENERAL NOTES

- ADDITIONAL INFORMATION OF TAGGED EQUIPMENT SHOWN ON PLAN. . COORDINATE EXACT LOCATIONS OF MECHANICAL/PLUMBING EQUIPMENT WITH OTHER DISCIPLINES AND EQUIPMENT INSTALLERS.
- WITH OTHER DISCIPLINES AND EQUIPMENT INSTALLERS.
- ALL RECEPTACLES SHALL BE COMMERCIAL SPECIFICATION GRADE UNLESS NOTED OTHERWISE.



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PROJECT

BENAVIDES PARK

COSA DISTRICT 5 PARK

PROJECT ADDRESS 1502 SALTILLO STREET SAN ANTONIO, TX 78207

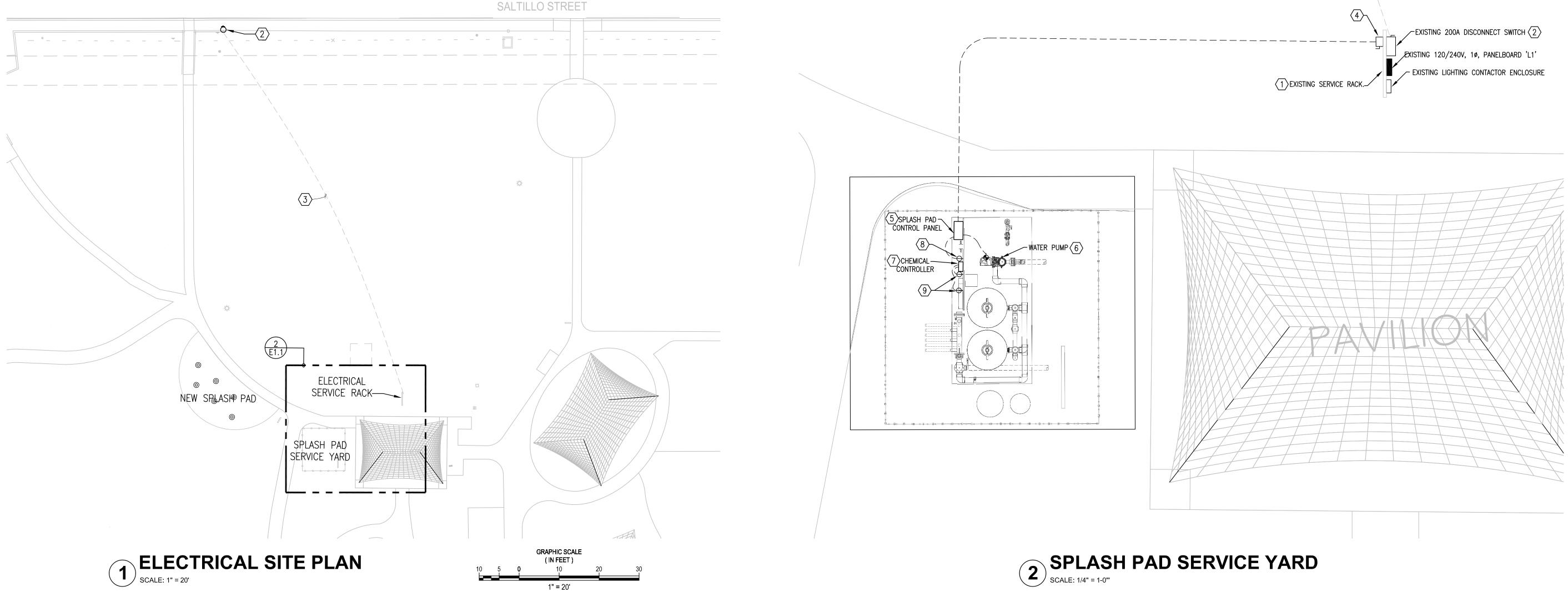
OWNER | CLIENT

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

> OWNER'S REPRESENTATIVE PAT SCHNEIDER 210.207.8466

210.207.8466 Patrick.Schneider@sanantonio.gov

	S	UBCONSULTANT	
[f E F (1)ocume or perr Ingineer: P.E. Reg. Company	RIM REVIEW ONLY ent Incomplete: Not Intended mit, bidding or construction. DOUGLAS W. SCHULZE No.: <u>80707</u> Name: <u>CNG ENGINEERING, PLLC</u> egistered Engineering Firm: <u>F-796</u> 02/12/2019	- - 4
		REVISIONS	
NO.	DATE		
1	DAIL		
	SH	EET INFORMATION	
		PROJECT NO.	
		18001	
		DATE ISSUED	
	FE	BRUARY 12 2019	
		SHEET NAME	
	AE	ELECTRICAL BBREVIATIONS & SYMBOLS SHEET NUMBER	
		E0.0	



- GENERAL NOTES: (THIS SHEET ONLY)
- A. FOR SYMBOLS AND ABBREVIATIONS, REFER TO SHEET EO.O.
- B. 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. FOR ELECTRICAL PARTIAL RISER DIAGRAM, REFER TO SHEET E 2.1.
- D. COORDINATE INSTALLATION OF SPLASH PAD EQUIPMENT WITH SPLASH PAD INSTALLER. REFER TO SPLASH PAD INSTALLATION DRAWINGS FOR ADDITIONAL INFORMATION.
- E. PROVIDE IN-GRADE JUNCTION BOXES WHERE REQUIRED, REFER TO SHEET E2.1, DETAIL NO. 3 FOR ADDITIONAL INFORMATION.

- 2. EXISTING SERVICE DISCONNECT SWITCH TO BE REPLACED BY OWNER.
- INSTALLATION OF SPLASH PAD EQUIPMENT.
- PAD INSTALLER.
- AS DIRECTED BY SPLASH PAD INSTALLER.
- OTHERS.
- 9. DEDICATED EQUIPMENT SIMPLEX RECEPTACLES FOR PERISTALTIC PUMPS.



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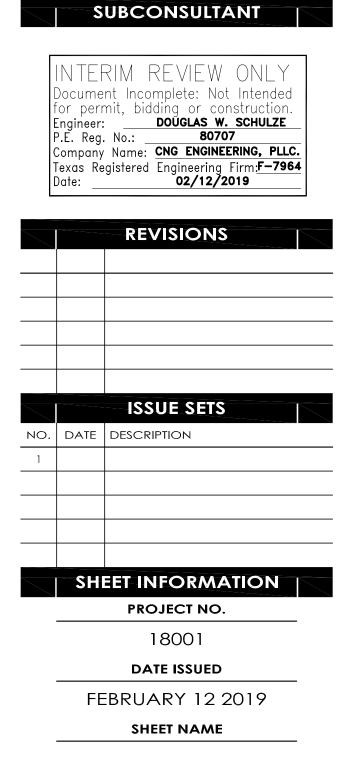
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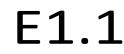
> OWNER'S REPRESENTATIVE PAT SCHNEIDER 210.207.8466

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ELECTRICAL SITE PLAN

SHEET NUMBER



(#) <u>Keyed Notes: (This sheet only)</u>

1. EXISTING RACK TO BE REPLACED BY OWNER. REFER TO 2/E1.2.

3. APPROXIMATE LOCATION OF EXISTING UNDERGROUND ELECTRICAL SERVICE FEEDER TO REMAIN. FIELD VERIFY LOCATION AND PROTECT DURING

4. SPLASH PAD CONTROLLER DISCONNECT SWITCH, PROVIDE N3R, 100A, 1ø, FUSED DISCONNECT SWITCH WITH WITH NEUTRAL KIT AND 70A RK5 FUSES. CONNECT TO SPLASH PAD CONTROLLER PANEL WITH 3#4, #8GND, IN 2"C. IN SCH 80 PVC. PROVIDE RMC FOR 90" ELBOWS AND ËXPOSED CONDUITS ABOVE GROUND. SPLASH PAD CONTROLLER PANEL PROVIDED BY OTHERS. CONNECT TO PANEL AS DIRECTED BY SPLASH

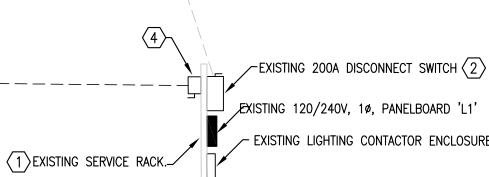
5. SPLASH PAD CONTROL PANEL PROVIDED BY SPLASH PAD INSTALLER. CONDUIT, WIRING CONDUCTORS AND ELECTRICAL CONNECTIONS FROM EQUIPMENT DISCONNECT SWITCH PROVIDED BY CONTRACTOR.

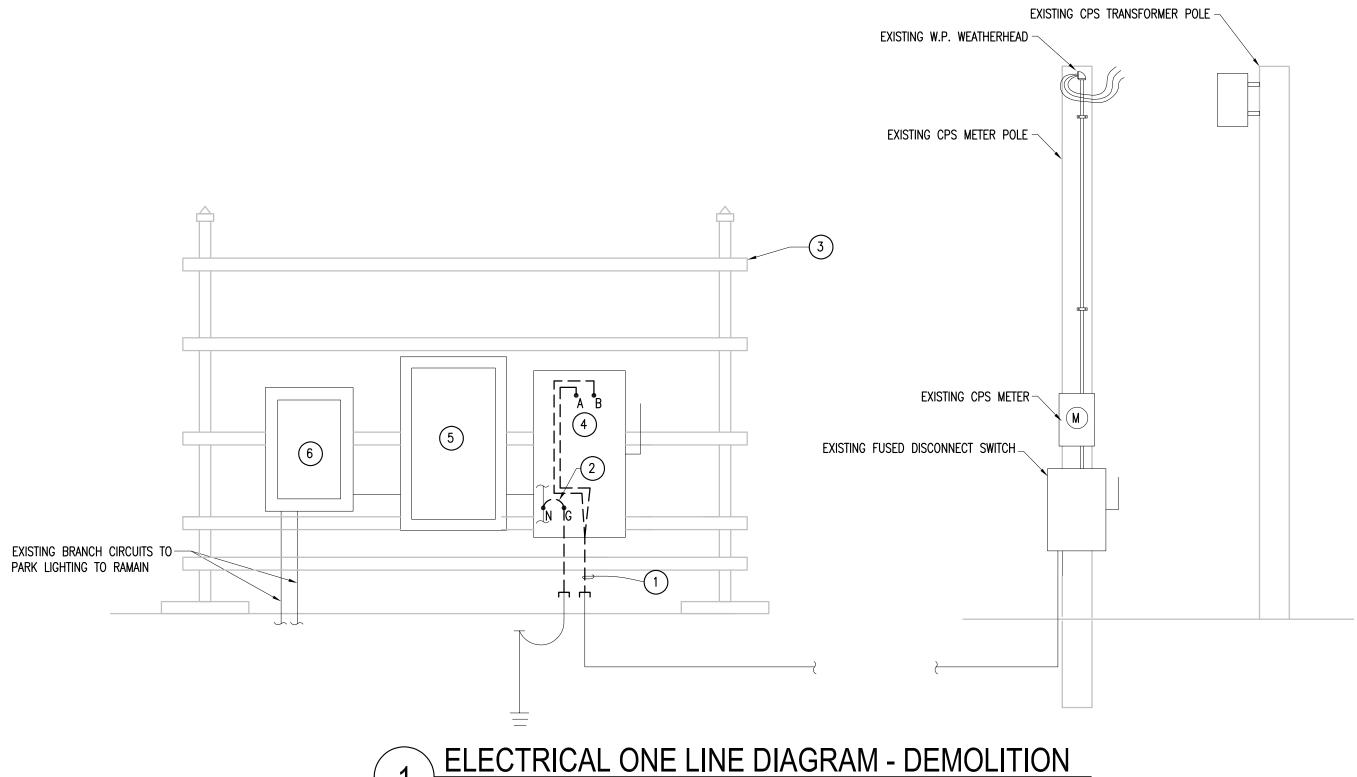
6. SPLASH PAD PUMP PROVIDED AND INSTALLED BY OTHERS. ELECTRICAL CONDUIT, WIRING CONDUCTORS AND ELECTRICAL CONNECTIONS PROVIDED BY CONTRACTOR. PROVIDE 2#10,#10G,1"C. FEEDER CONNECTION FROM SPLASH PAD CONTROLLER TO WATER PUMP. TERMINATE CONDUCTORS AT CONTROL PANEL 30A, TWO POLE OUTPUT BREAKER AND CONNECT PUMP

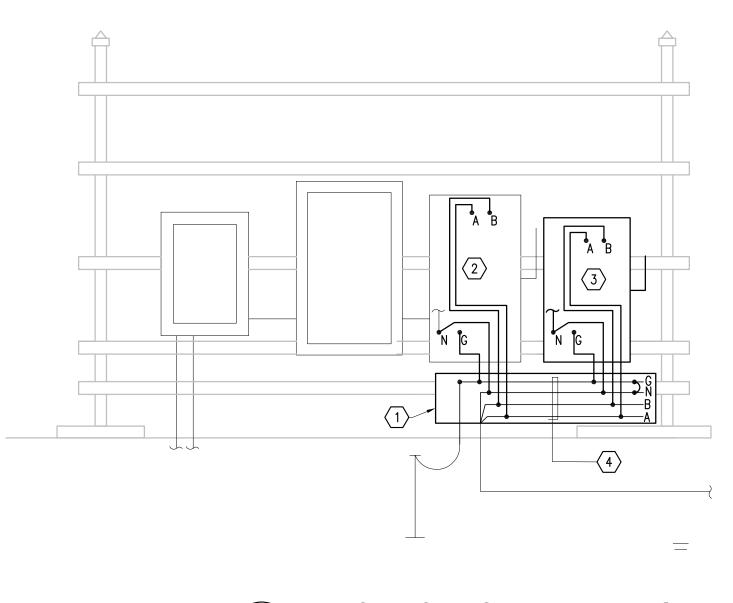
7. SPLASH PAD CHEMICAL CONTROLLER PROVIDED AND INSTALLED BY

8. DEDICATED EQUIPMENT SIMPLEX RECEPTACLE FOR CHEMICAL CONTROLLER. RECEPTACLE, CONDUIT, WIRING CONDUCTORS AND ELECTRICAL CONNECTIONS PROVIDED BY CONTRACTOR. PROVIDE NEMA 5-15R SIMPLEX, HEAVY DUTY GFCI RECEPTACLE IN NEMA 3R JUNCTION BOX WITH WHILE-IN-USE COVER EQUAL TO HUBBELL WP26E PROVIDE 2#12,#12G, 3/4"C. FEEDER CONNECTION FROM SPLASH PAD CONTROLLER TO CHEMICAL CONTROLLER. TERMINATE CONDUCTORS AT CONTROL PANEL 3A, SINGLE POLE OUTPUT BREAKER AND CONNECT CHEMICAL CONTROLLER AS DIRECTED BY SPLASH PAD INSTALLER. PROVIDE RECEPTACLE LABEL AS DIRECTED BY SPLASH PAD VENDOR.

RECEPTACLES, CONDUIT, WIRING CONDUCTORS AND ELECTRICAL CONNECTIONS PROVIDED BY CONTRACTOR. PROVIDE NEMA 5-15R SIMPLEX, HEAVY DUTY GFCI RECEPTACLE IN NEMA 3R JUNCTION BOX WITH WHILE-IN-USE COVER EQUAL TO HUBBELL WP26E PROVIDE 2#12,#12G, 3/4"C. FEEDER CONNECTION FROM SPLASH PAD CONTROLLER TO CHEMICAL CONTROLLER. TERMINATE CONDUCTORS AT CONTROL PANEL 3A, SINGLE POLE OUTPUT BREAKER AND CONNECT CHEMICAL CONTROLLER AS DIRECTED BY SPLASH PAD INSTALLER. PROVIDE RECEPTACLE LABEL AS DIRECTED BY SPLASH PAD VENDOR.



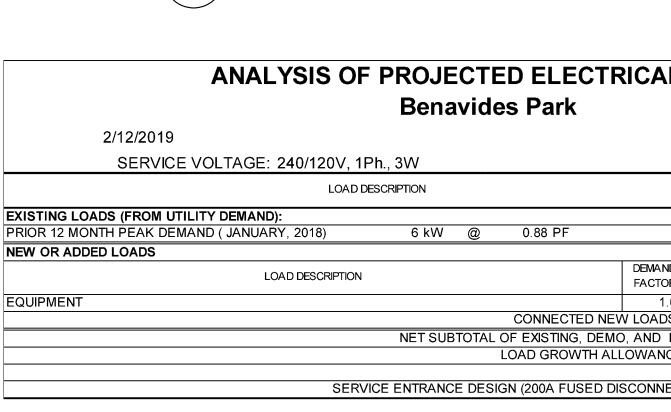




NOT TO SCALE

2

NOT TO SCALE



NOTES: 1 EXISTING DEMAND LOAD DETERMINED IN ACCORDANCE WITH NEC 220.87 2 EQUIPMENT LOAD PROVIDED BY SPLASH PAD VENDOR.

(#) KEYED NOTES: (THIS SHEET ONLY)

- 1. PROVIDE 8" X 8" X 24", N3R SERVICE WIREWAY TO MEET CPS STANDARDS. BOND NEUTRAL AND GROUND AT THIS LOCATION.
- 2. RECONNECT EXISTING DISCONNECT SWITCH WITH 3#3/0, #6GND, 2"C.
- 3. NEW SPLASH PAD DISCONNECT SWITCH INSTALLED BEHIND EXISTING RACK. (SHOWN ON FRONT FOR CLARITY) PROVIDE LB CONDUIT FROM WIREWAY. PROVIDE ADDITIONAL HORIZONTAL RACK SUPPORTS FOR A COMPLETE INSTALLATION. REFER TO SHEET E1.1 FOR CONDUIT AND CONDUCTOR SIZES.
- 4. EXISTING CONDUCTORS PREVIOUSLY CONNECTED TO EXISTING SERVICE DISCONNECT SWITCH. INSTALL CONDUCTORS INSIDE NEW WIREWAY. PROVIDE SPLICES, CONDUIT, AND WIRING AS REQUIRED FOR CONNECTION TO EXISTING AND NEW DISCONNECT SWITCHES.

ELECTRICAL ONE LINE DIAGRAM - NEW WORK

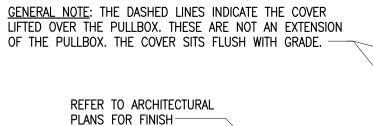
71	LOAD)		
		,		
		CONNECTED	NEC	LOAD
		load, va	kVA	AMPERES
	NOTES			
	1	6,818	6.8	28
ND	NOTES	CONNECTED	NEC	LOAD
OR		load, kva	kVA	AMPERES
1.00		12.0	12.0	50
DS S	SUBTOTAL	12	12	50
) NE	W LOADS		19	78
NCE	15%		3	12
	TOTAL		22	90
VECT	T SWITCH)		75	200

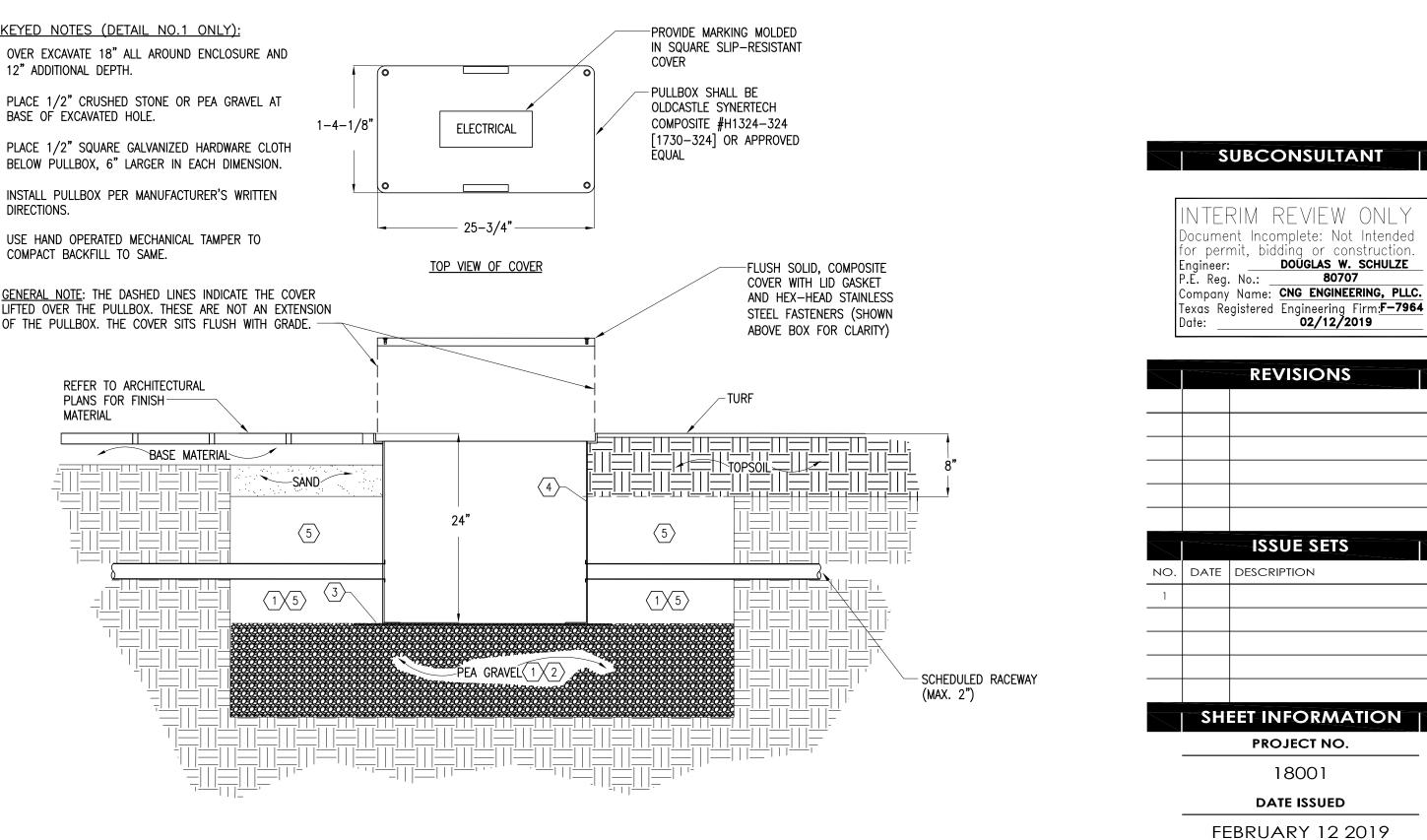
(#) <u>DEMOLITION KEYED NOTES:</u> (THIS SHEET ONLY)

- 1. INTERCEPT EXISTING CONDUIT CONTAINING 3#3/0, #6GND CONDUCTORS. REMOVE PORTION OF CONDUIT AND LEAVE READY FOR INSTALLATION OF NEW WIRE GUTTER. DISCONNECT SERVICE CONDUCTORS AND LEAVE READY FOR RELOCATION TO NEW WIRE GUTTER.
- 2. REMOVE NEUTRAL AND GROUND BOND AT EXISTING DISCONNECT SWITCH. LEAVE GROUNDING CONDUCTOR READY FOR RELOCATION TO WIRE GUTTER.
- 3. EXISTING SERVICE RACK REPLACED BY OWNER. REFURBISHMENT OF CORRODED SERVICE RACK COMPONENTS ARE NOT IN SCOPE OF WORK.
- 4. EXISTING DISCONNECT SWITCH REPLACED BY OWNER. REPLACEMENT OF DAMAGED DISCONNECT IS NOT IN SCOPE OF WORK.
- 5. EXISTING ELECTRICAL PANEL 'L1' TO REMAIN.
- 6. EXISTING LIGHTING CONTACTORS AND CONTACTOR ENCLOSURE TO REMAIN.

() KEYED NOTES (DETAIL NO.1 ONLY):

- 1. OVER EXCAVATE 18" ALL AROUND ENCLOSURE AND 12" ADDITIONAL DEPTH.
- 2. PLACE 1/2" CRUSHED STONE OR PEA GRAVEL AT BASE OF EXCAVATED HOLE.
- 3. PLACE 1/2" SQUARE GALVANIZED HARDWARE CLOTH BELOW PULLBOX, 6" LARGER IN EACH DIMENSION.
- 4. INSTALL PULLBOX PER MANUFACTURER'S WRITTEN DIRECTIONS.
- 5. USE HAND OPERATED MECHANICAL TAMPER TO









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GENERAL DEMOLITION NOTES: (THIS SHEET ONLY)

- A. CONDUCT ALL DEMOLITION WORK IN SUCH A MANNER AS TO MAINTAIN A SAFE WORK ENVIRONMENT AND IN ACCORDANCE WITH APPLICABLE SAFETY RULES AND PROCEDURES WITHIN NEC, NECA AND OSHA REQUIREMENTS.
- B. 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.
- C. SURVEY AREAS OF THE FACILITY SCHEDULED FOR RENOVATION OR PARTIAL DEMOLITION PRIOR TO ANY WORK BEING PERFORMED. SUBMIT REPORT OF THE 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.
- D. 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.
- E. 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 NO RETAINED BY THE OWNER.
- F. REMOVE ABANDONED CONDUIT TO POINT OF CONCEALMENT BEHIND INACCESSIBLE SURFACES. ENTIRELY REMOVE ABANDONED WIRING.
- G. PROVIDE BLANK COVERS AND PLATES AT UNUSED OPENINGS IN BOXES, RACEWAYS, AUXILIARY GUTTERS, CABINETS, EQUIPMENT CASES AND HOUSINGS SHALL BE CLOSED TO AFFORD PROTECTION SUBSTANTIALLY EQUIVALENT TO THE EQUIPMENT ENCLOSURE.
- H. CONTRACTOR SHALL UPDATE PANELBOARD DIRECTORIES AT EACH PANEL WHERE CIRCUIT MODIFICATIONS ARE MADE.



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> OWNER'S REPRESENTATIVE PAT SCHNEIDER 210.207.8466

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3 MEDIUM DUTY PULLBOX

E2.1

SHEET NUMBER

SHEET NAME

ELECTRICAL RISER

DIAGRAM AND DETAILS

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 authorities having lawful jurisdiction and the codes, statues and reference standards identified within these Specifications. These Specifications shall not be construed as negating the regulations or requirements of lawful 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 ETJ 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 throughout the construction site. Install and maintain in accordance with 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 at 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 i 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 conform 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-THWN, single conductors in raceway or Type XHHW, single conductors in raceway.
- B. All other applications: Type THHN-THWN, 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 Cabline

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

PART 1 - GENERAL

- 1.1 DEFINITIONS A. EMT: Electrical Metallic Tubing.
 - B. GRC. RGS: Galvanized riaid 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
- 1. Fittings for EMT: a. Material: Steel.
 - b. Type: Compression.

PART 3 - EXECUTION

- 3.1 RACEWAY APPLICATION

 - allowed on or above roofs.

- 6. Boxes and Enclosures, Aboveground: NEMA 250, Type 3R. B. Minimum Raceway Size: 3/4-inch trade size.
- otherwise indicated.

- 3.2 INSTALLATION
- changes in direction.

- E. Use EMT for raceways for stub-ups to above recessed ceilings. Provide insulated conduit
- bushing terminate stub-ups.
- grade alongside raceways in use.

SECTION 260553 - IDENTIFICATION FOR ELECTRICAL SYSTEMS

- 1.1 IDENTIFICATION SCHEDULE

- authorities having jurisdiction permit. b. Colors for 208/120-V Circuits:
- 1) Phase A: Black.
- 2) Phase B: Red.
- 3) Phase C: Blue.

2) Phase B: Red.

1) Phase A: Black

END OF SECTION 260553

PART 16 - PRODUCTS

closed position.

conductors.

specified.

SECTION 262813 - FUSES

PART 1 – PRODUCTS

1.1 MANUFACTURERS

C. Accessories

16.2 ENCLOSURES

DIVISION 26 - ELECTRICAL SPECIFICATIONS

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

SECTION 260533 - RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS

A. Fittings for Metal Conduit: Comply with NEMA FB 1 and UL 514B.

A. Outdoors: Apply raceway products as specified below unless otherwise indicated: 1. Exposed Conduit: GRC (GRS) or IMC or RNC, Type EPC-80-PVC. RNC conduit is not

2. Concealed Conduit, Aboveground: EMT. 5. 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.

C. Raceway Fittings: Compatible with raceways and suitable for use and location. 1. Rigid and Intermediate Steel Conduit: Use threaded rigid steel conduit fittings unless

2. EMT: Use compression, steel fittings. Comply with NEMA FB 2.10. 3. Flexible Conduit: Use only fittings listed for use with flexible conduit. E. Install surface raceways only where indicated on Drawings.

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

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.

F. Terminate threaded conduits into threaded hubs or with locknuts on inside and outside of boxes or cabinets. Install bushings on conduits up to 1-1/4-inch trade size and insulated throat metal bushings on 1-1/2-inch trade size and larger conduits terminated with locknuts. Install insulated throat, metal grounding bushings on service conduits.

G. Install pull wires in empty raceways. Cap underground raceways designated as spare above

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

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

c. Colors for 120/240-V Single Phase Circuits:

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 bands 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.

SECTION 262816 - ENCLOSED SWITCHES

16.1 FUSIBLE AND NON-FUSIBLE SWITCHES A. Manufacturers: Subject to compliance with requirements, provide one of the following: 1. <u>Eaton Electrical Inc.; Cutler-Hammer Business Unit.</u>

<u>General Electric Company; GE Consumer & Industrial – Electrical Distribution</u>.

Siemens Energy & Automation, Inc. <u>Square D; a brand of Schneider Electric</u>.

B. Type HD, Heavy Duty, Single Throw, 240 or 600-V ac, 1200 A and Smaller: UL 98 and NEMA KS 1, horsepower rated, with clips or bolt pads to accommodate indicated fuses where noted, lockable handle with capability to accept three padlocks, and interlocked with cover in

1. Equipment Ground Kit: Internally mounted and labeled for copper and aluminum ground 2. Neutral Kit: Internally mounted; insulated, capable of being grounded and bonded; labeled for copper and aluminum neutral conductors. 3. Class R Fuse Kit: Provides rejection of other fuse types when Class R fuses are

A. Enclosed Switches and Circuit Breakers: NEMA AB 1, NEMA KS 1, NEMA 250, and UL 50, to comply with environmental conditions at installed location 1. Indoor, Dry and Clean Locations: NEMA 250, Type 1

2. Outdoor Locations: NEMA 250, Type 3R

- A. <u>Manufacturers</u>: Subject to compliance with requirements, provide one of the following: 1. <u>Cooper Bussmann, Inc.</u>
- <u>Edison Fuse, Inc</u>. <u>Ferraz Shawmut, Inc</u>. 4. Littelfuse, Inc.
- 1.2 FUSE APPLICATIONS
- A. Cartridge Fuses:

1. Feeders: Class RK5, time delay

END OF SECTION



1917 N. New Braunfels Avenue Suite 201 San Antonio, TX 78208 (210)224-8841, (210)224-8824 FAX TBPE REGISTRATION No :F-7964



201 GROVETON | SATX 78210 210.314.5582 | MPSTUD.IO STATUS

COMPLETE SET

FOR REVIEW ONLY Not for regulatory approval, permitting or construction

PROJECT

BENAVIDES PARK

COSA DISTRICT 5 PARK

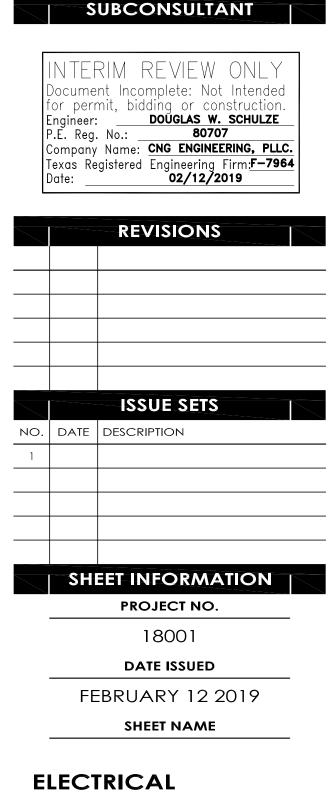
PROJECT ADDRESS 1502 SALTILLO STREET SAN ANTONIO, TX 78207

OWNER | CLIENT

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

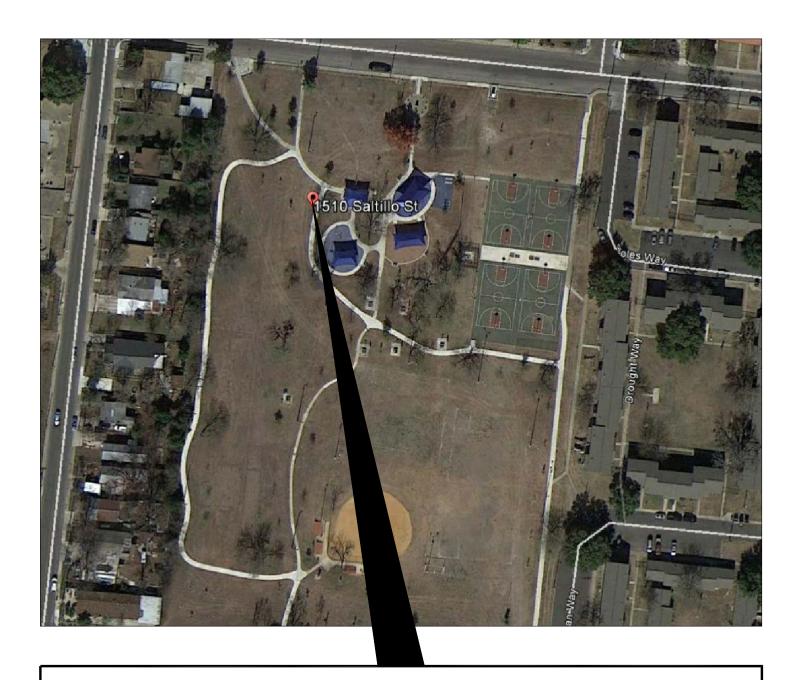
> **OWNER'S REPRESENTATIVE** PAT SCHNEIDER 210.207.8466

Patrick.Schneider@sanantonio.gov



SPECIFICATIONS SHEET NUMBER





PROJECT LOCATION - AERIAL VIEW 1502 SALTILLO ST. SAN ANTONIO, TEXAS 78207

Benavides Park SplashPark

San Antonio, Texas Construction Documents February 2019

DOCUMENTS PREPARED BY: KRAFTSMAN LP



Kraftsman LP 19535 Haude Road Spring, Texas 77388

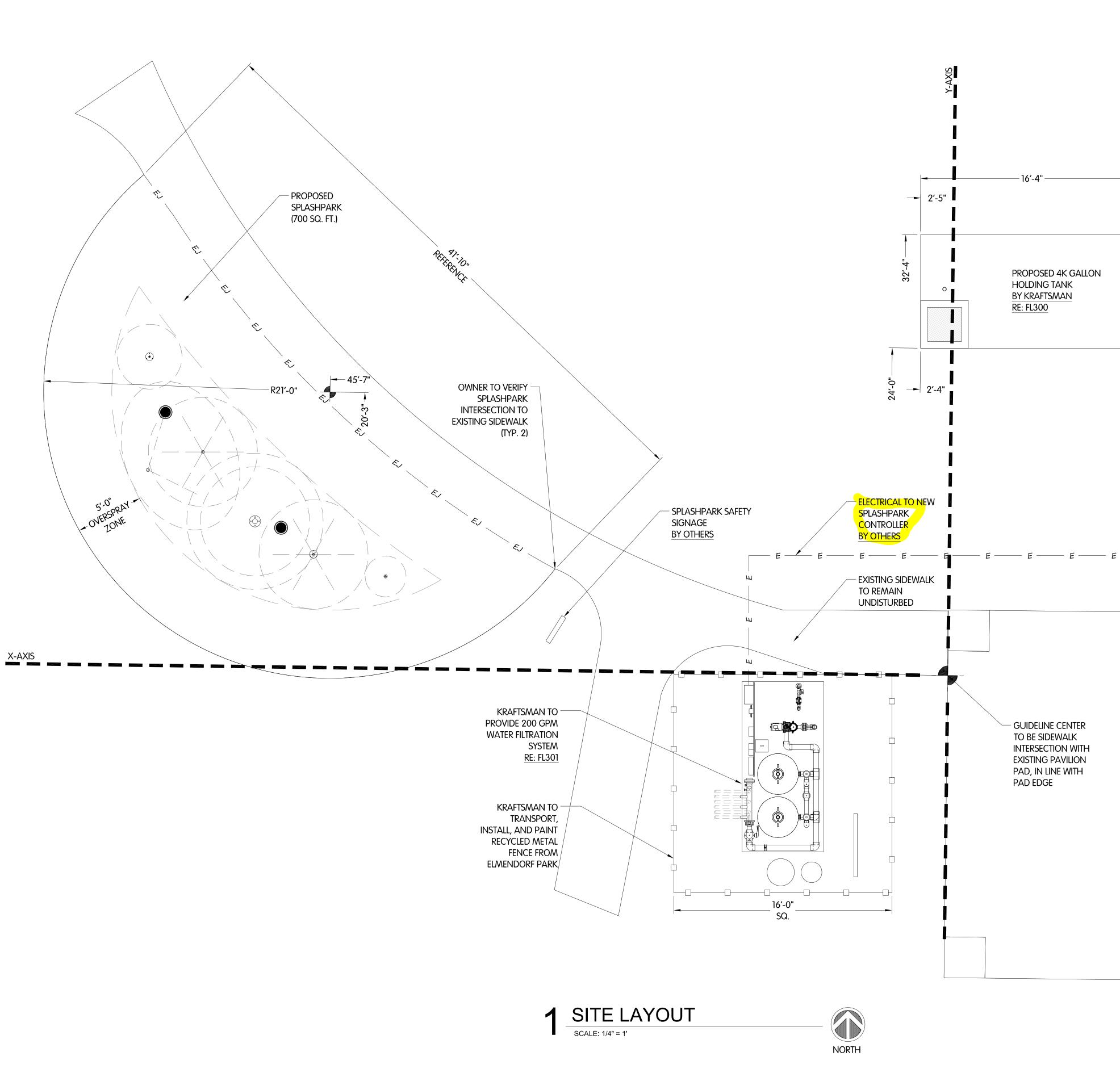
ph: 800-451-4869 www.KraftsmanPlay.com

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	SHEET INDEX
SHEET NO.	DESCRIPTION
K100	Cover Sheet
SP101	Site Layout
SP102	SplashPark Drain Layout
SP103	Feature Layout
PP104	Piping Plan
CL105	Concrete Layout
GP106	Grading Plan
CD106	Concrete Details
BD107	Bonding Details
ED200	Feature Details
FL300	Holding Tank Details
FL300.1	Honlding Tank Piping
FL301	Filtration System Layout
FL302	Filtration System Penetrations
FL303	Filtration System Piping

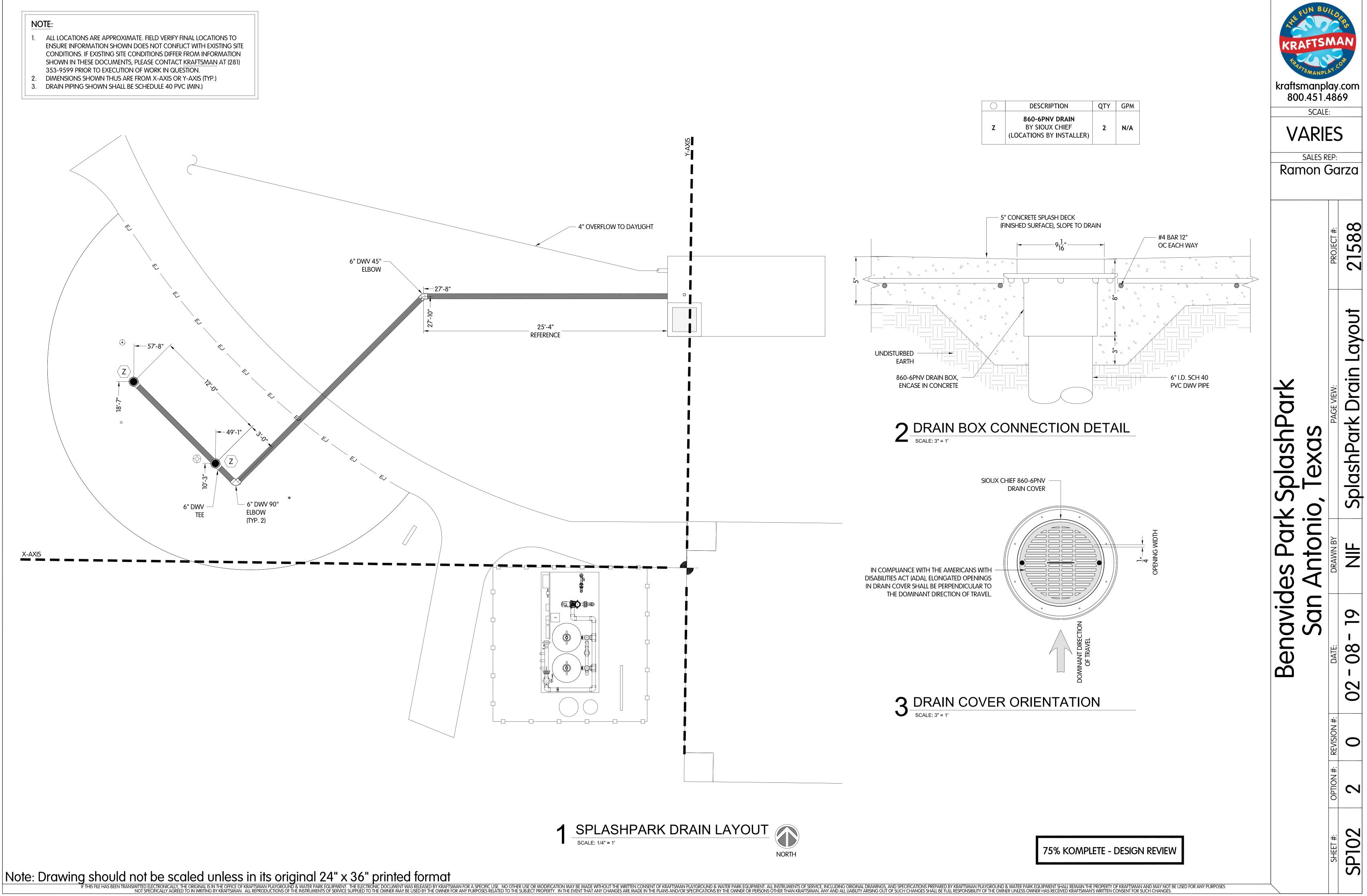
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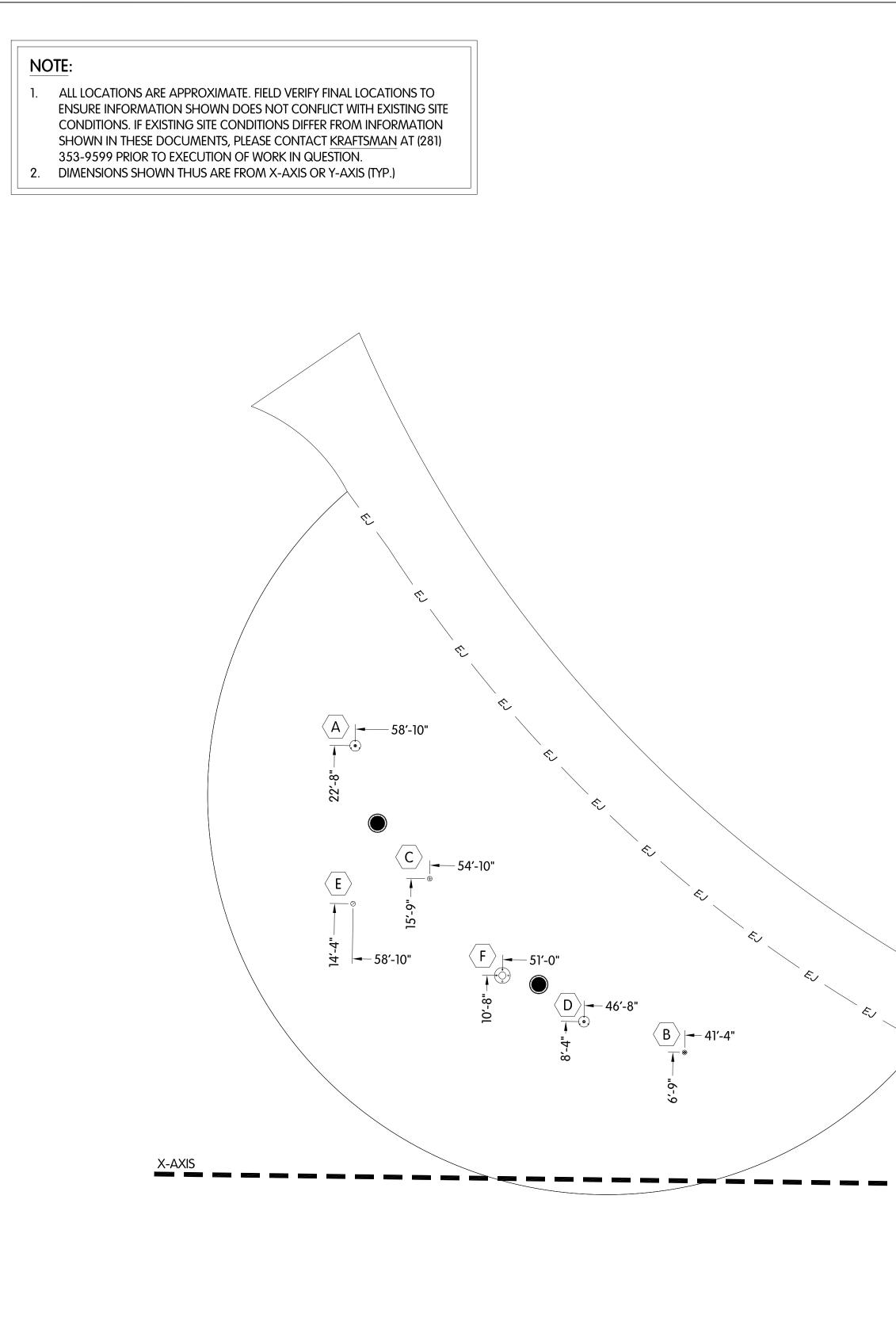
1. ALL LOCATIONS ARE APPROXIMATE. FIELD VERIFY FINAL LOCATIONS TO ENSURE INFORMATION SHOWN DOES NOT CONFLICT WITH EXISTING SITE CONDITIONS. IF EXISTING SITE CONDITIONS DIFFER FROM INFORMATION SHOWN IN THESE DOCUMENTS, PLEASE CONTACT KRAFTSMAN AT (281) 353-9599 PRIOR TO EXECUTION OF WORK IN QUESTION. 2. DIMENSIONS SHOWN THUS ARE FROM X-AXIS OR Y-AXIS (TYP.)



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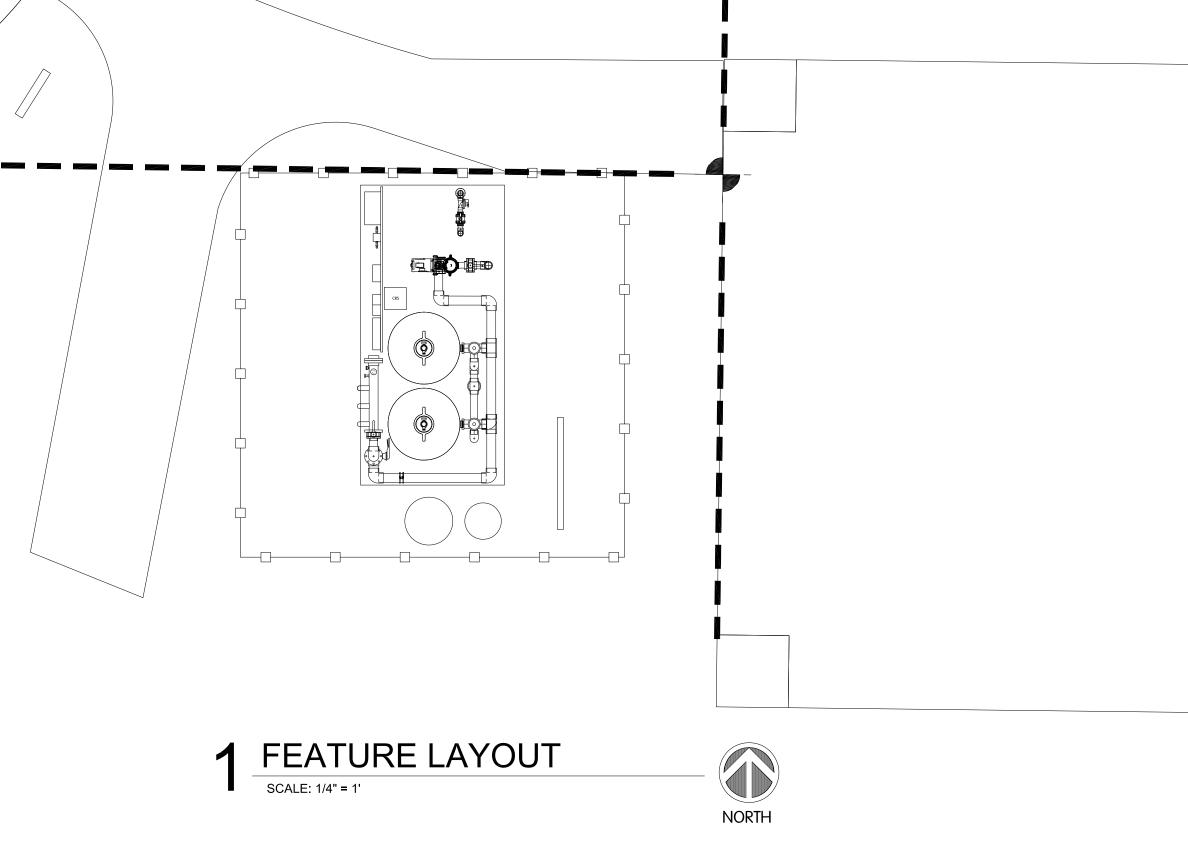
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SP103



1. ALL LOCATIONS ARE APPROXIMATE. FIELD VERIFY FINAL LOCATIONS TO ENSURE INFORMATION SHOWN DOES NOT CONFLICT WITH EXISTING SITE CONDITIONS. IF EXISTING SITE CONDITIONS DIFFER FROM INFORMATION SHOWN IN THESE DOCUMENTS, PLEASE CONTACT KRAFTSMAN AT (281) 353-9599 PRIOR TO EXECUTION OF WORK IN QUESTION. 2. FOUNTAIN SUPPLY PIPING SHOWN SHALL BE SCHEDULE 40 PVC (MIN.)

(V02)

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(V04)

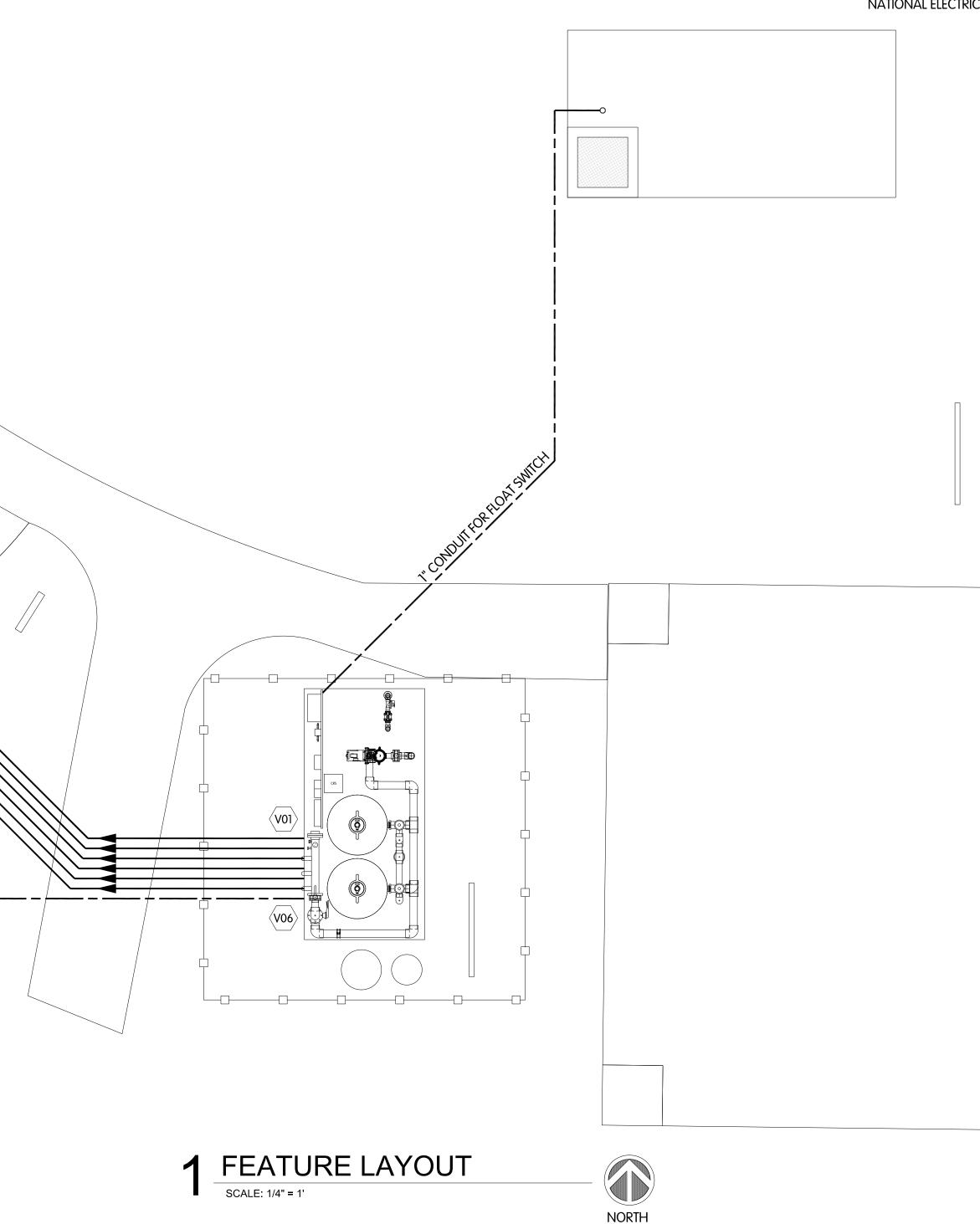
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PLUMBING SCHEDULE				
VALVE	FEATURE(S)	MAIN LINE PIPE SIZE	Flow Per Line (GPM)	
V01	SIMPLE SPRAY II	1.5"	15	
V02	JET WAY	ן"	9	
V03	DUET JET MINI	ן"	6	
V04	SIMPLE SPRAY	1.5"	18	
V05	MUSHROOM MAZE	1.5"	35	
V06	BABY LONG LEGS	1.5"	18	

GENERAL NOTES:

- AND OTHER STRUCTURES.
- 2. THIS DRAWING IS DIAGRAMMATIC IN NATURE. PIPING CONDUIT, AND WIRE.
- NOTED.
- NATIONAL ELECTRIC CODE.



1. FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES, INLETS

LAYOUT IS SCHEMATIC. SITE CONDITIONS AND LOCAL CODES MUST DETERMINE FINAL ROUTING OF ALL PIPING,

3. ALL PIPING SHALL BE SCH. 80 PVC UNLESS OTHERWISE

4. SYMBOL "* INDICATES THAT A TEE MUST BE PLACED AT THE CENTER OF THE PIPING RUN TO ENSURE BALANCED FLOW WHEN A SUPPLY LINE SUPPORTS MULTIPLE FEATURES.

5. ALL METAL COMPONENTS OF SPLASHPARK AND RELATED EQUIPMENT SHALL BE BONDED PER SECTION 680 OF THE

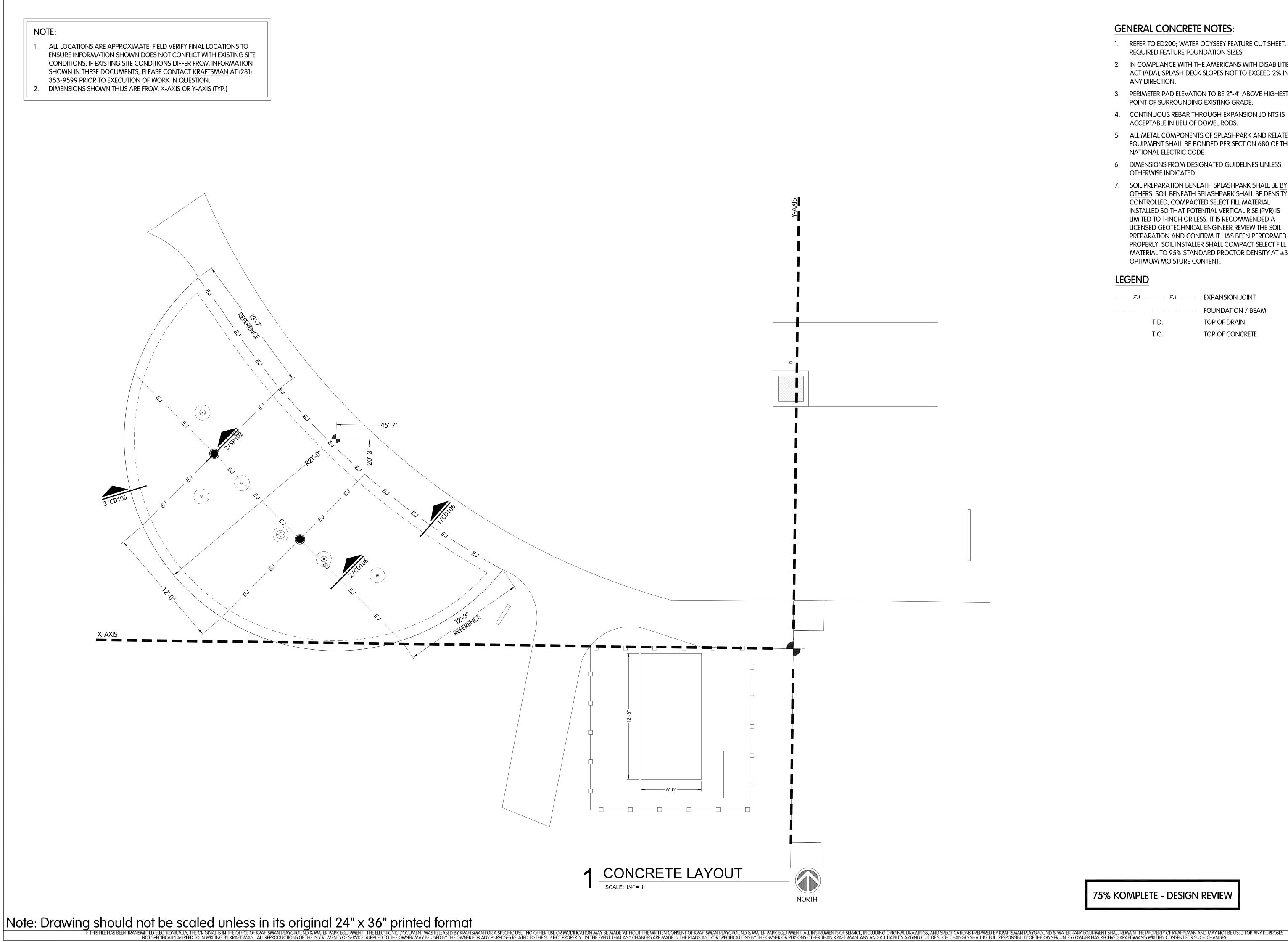
		FEATURE SCHEDU	LE	
VALVE	\bigcirc	DESCRIPTION	QTY	GPM
V02	Α	W011 JET WAY 4' HIGH 9 GPM @ 4 PSI	1	9
V01	В	W126 SIMPLE SPRAY II 2' to 15' HIGH 2-40 GPM @ 2-10 PSI	1	15
V04	С	W125 SIMPLE SPRAY 4' HIGH 18 GPM @ 3 PSI	1	18
V06	D	W036 BABY LONG LEGS 4' HIGH 18 GPM @ 3 PSI	1	18
V03	E	W344 DUET JET MINI 4' HIGH 6 GPM @ 3 PSI	1	6
V05	F	W010-ST MUSHROOM MAZE W/WIRED ACTIVATOR 3' HIGH - 6' SPREAD 35 GPM @ 3 PSI	1	35
N/A	Z	860-6PV DRAIN BY SIOUX CHIEF (LOCATIONS BY INSTALLER)	2	N/A

TOTAL SPLASHPARK AREA 700 SQ. FT.

MAXIMUM TOTAL OF USERS 28

kraftsmanplay.com 800.451.4869 SCALE: 1/4" = 1SALES REP: Ramon Garza 21588 Piping Plan ashPark XOS Splc Ð O ark 5 ntor **NF** es Benavid San 0 080 N O 0 \sim

PP104



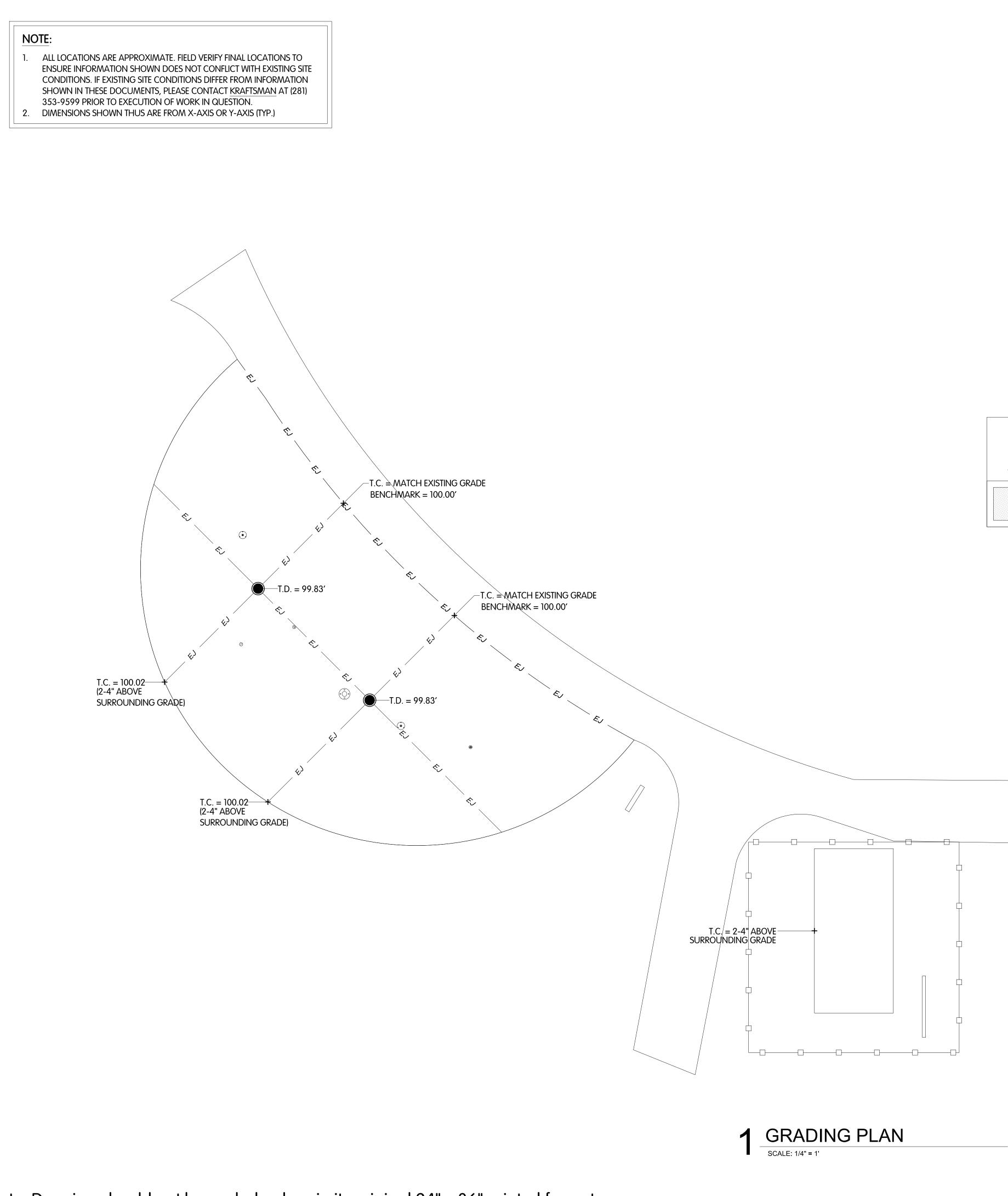
GENERAL CONCRETE NOTES:

- 1. REFER TO ED200; WATER ODYSSEY FEATURE CUT SHEET, FOR REQUIRED FEATURE FOUNDATION SIZES.
- 2. IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), SPLASH DECK SLOPES NOT TO EXCEED 2% IN ANY DIRECTION.
- 3. PERIMETER PAD ELEVATION TO BE 2"-4" ABOVE HIGHEST POINT OF SURROUNDING EXISTING GRADE.
- 4. CONTINUOUS REBAR THROUGH EXPANSION JOINTS IS ACCEPTABLE IN LIEU OF DOWEL RODS.
- 5. ALL METAL COMPONENTS OF SPLASHPARK AND RELATED EQUIPMENT SHALL BE BONDED PER SECTION 680 OF THE NATIONAL ELECTRIC CODE.
- 6. DIMENSIONS FROM DESIGNATED GUIDELINES UNLESS OTHERWISE INDICATED.
- 7. SOIL PREPARATION BENEATH SPLASHPARK SHALL BE BY OTHERS. SOIL BENEATH SPLASHPARK SHALL BE DENSITY CONTROLLED, COMPACTED SELECT FILL MATERIAL INSTALLED SO THAT POTENTIAL VERTICAL RISE (PVR) IS LIMITED TO 1-INCH OR LESS. IT IS RECOMMENDED A LICENSED GEOTECHNICAL ENGINEER REVIEW THE SOIL PREPARATION AND CONFIRM IT HAS BEEN PERFORMED PROPERLY. SOIL INSTALLER SHALL COMPACT SELECT FILL MATERIAL TO 95% STANDARD PROCTOR DENSITY AT ±3.0% OPTIMUM MOISTURE CONTENT.

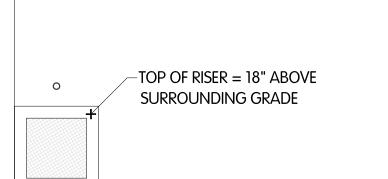
LEGEND

—— EJ —— EJ ——	EXPANSION JOINT
	FOUNDATION / BEAM
T.D.	TOP OF DRAIN
T.C.	TOP OF CONCRETE

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KUITIOIT	PROJECT #:	21588
k SplashPark D, Texas	PAGE VIEW:	Concrete Layout
les Park Antonic	DRAWN BY	NIF
Benavides F San Ant	DATE:	02 - 08 - 19
	REVISION #:	0
	OPTION #:	2
	SHEET #:	CL105



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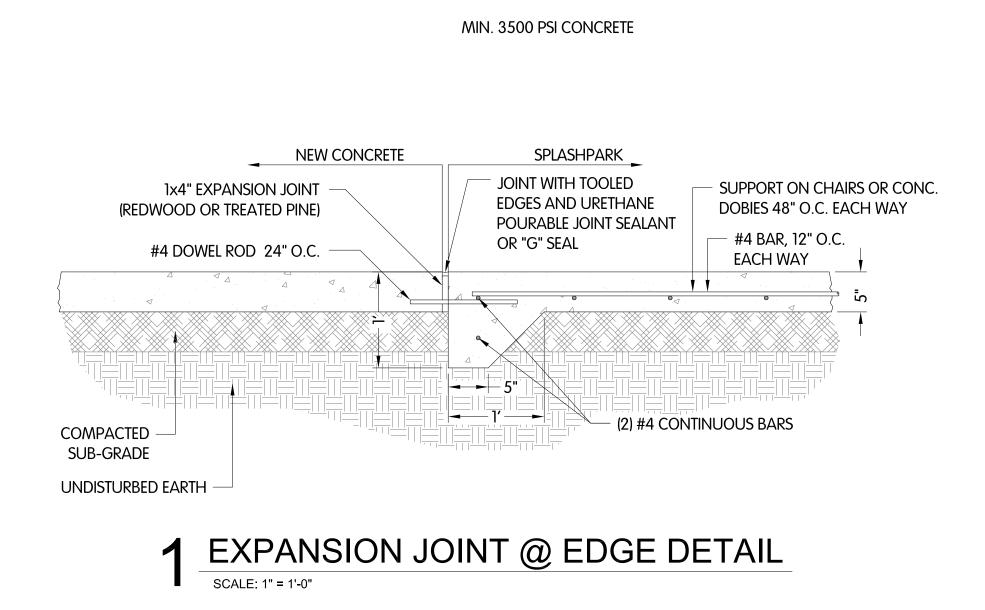
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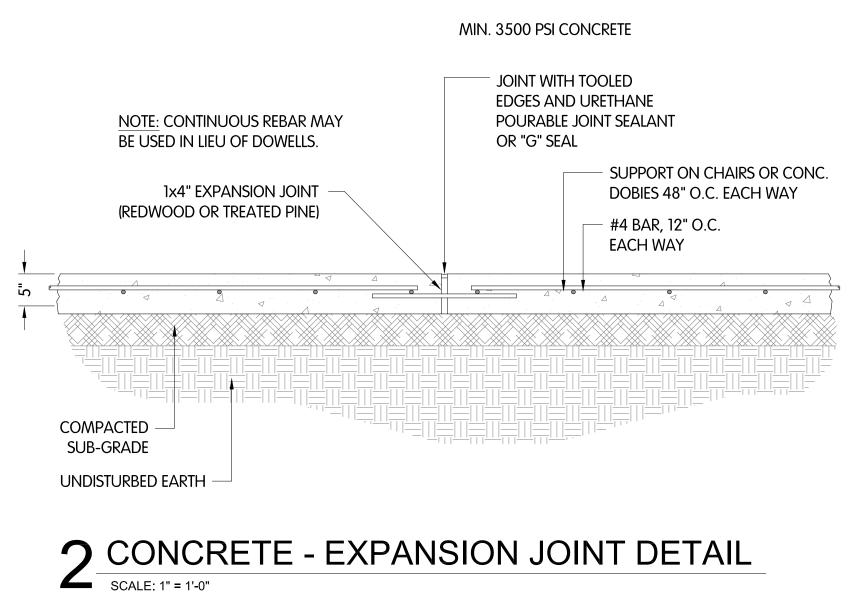
LEGEND

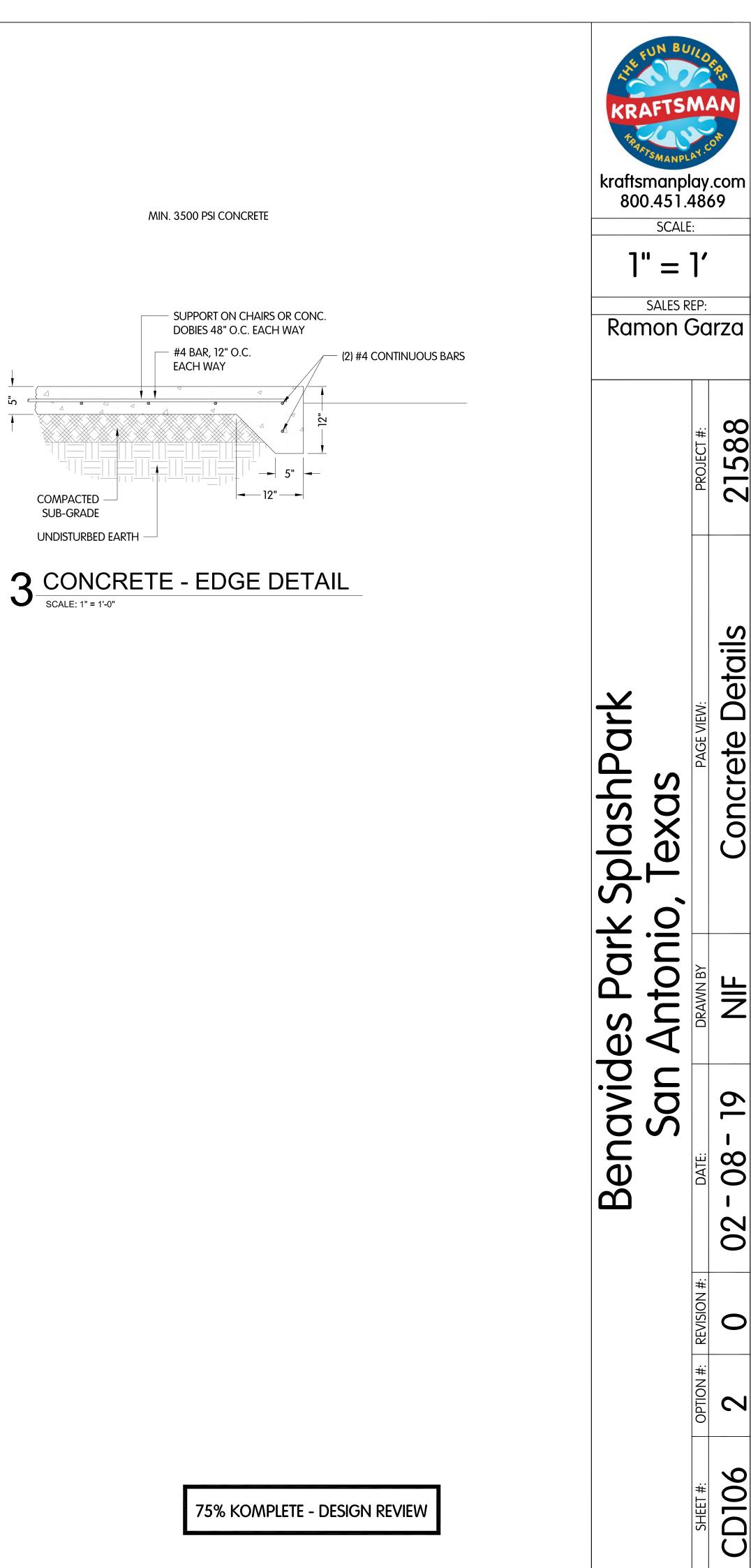
—— EJ —— EJ ——	EXPANSION JOINT
	FOUNDATION / BEAM
T.D.	TOP OF DRAIN
T.C.	TOP OF CONCRETE

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	PROJECT #:	21588
k SplashPark D, Texas	PAGE VIEW:	Grading Plan
enavides Park San Antonic	DRAWN BY	NF
Benavide San	DATE:	02 - 08 - 19
	REVISION #:	0
	OPTION #:	2
	SHEET #:	3P106



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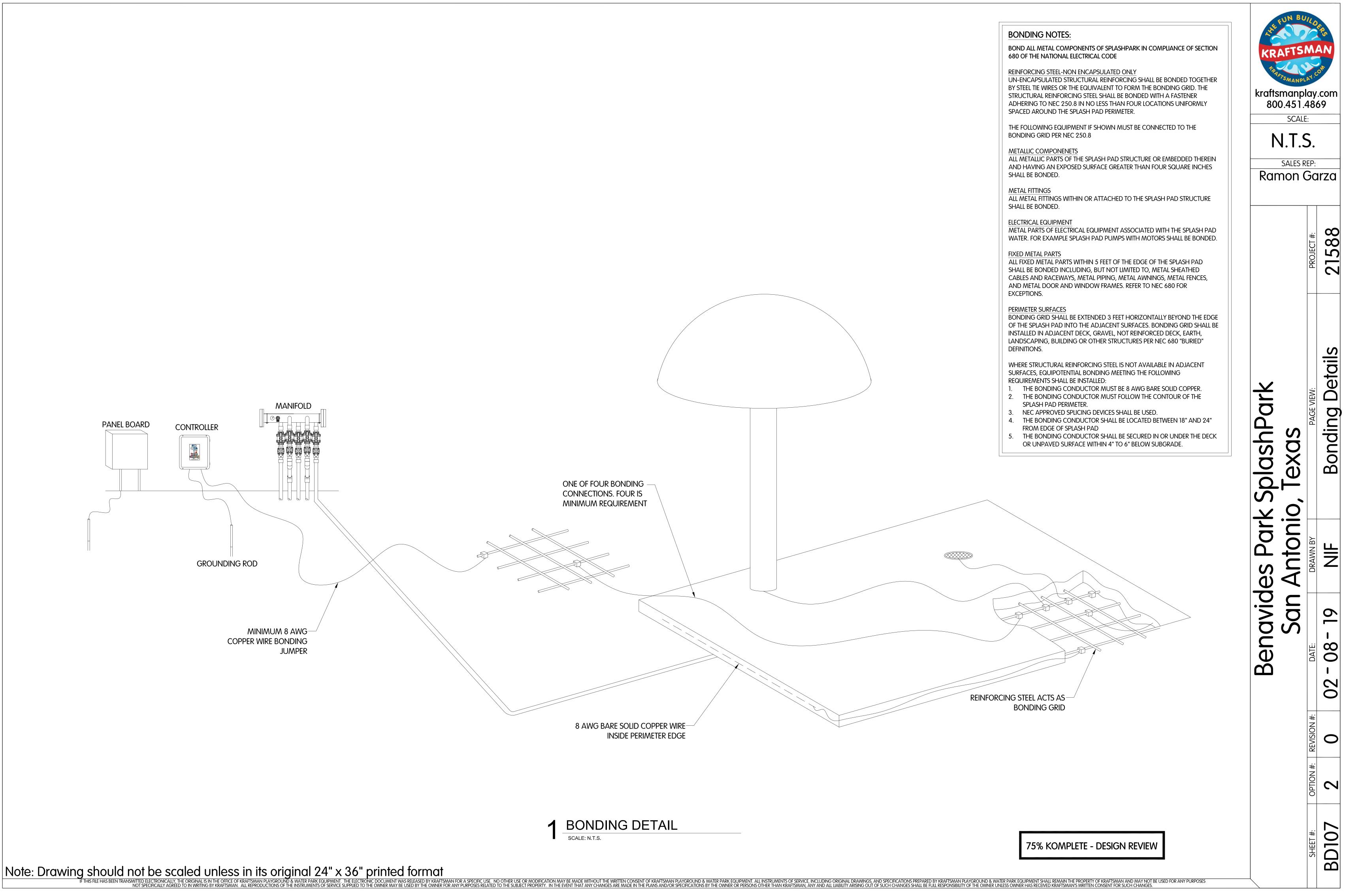
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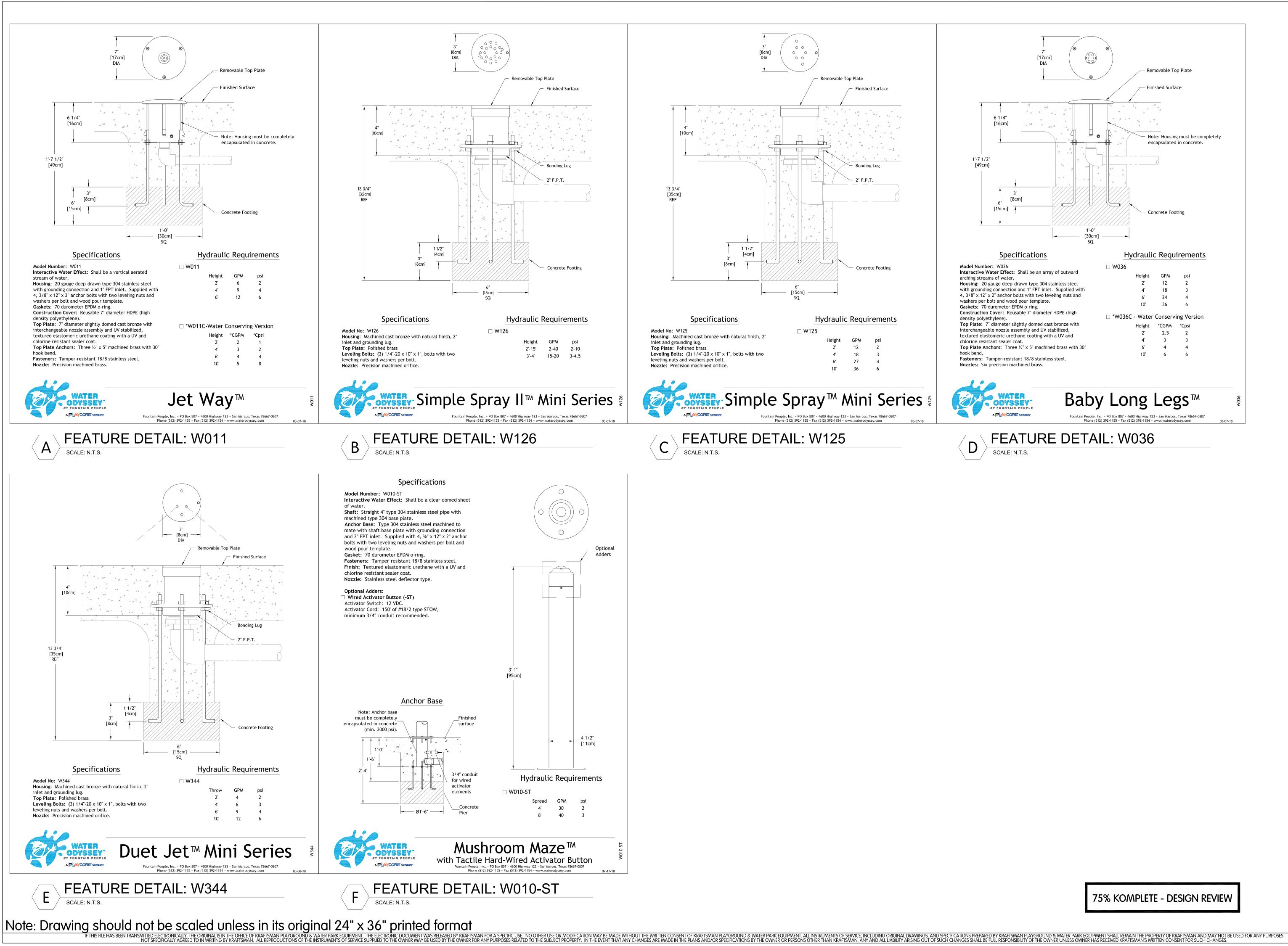
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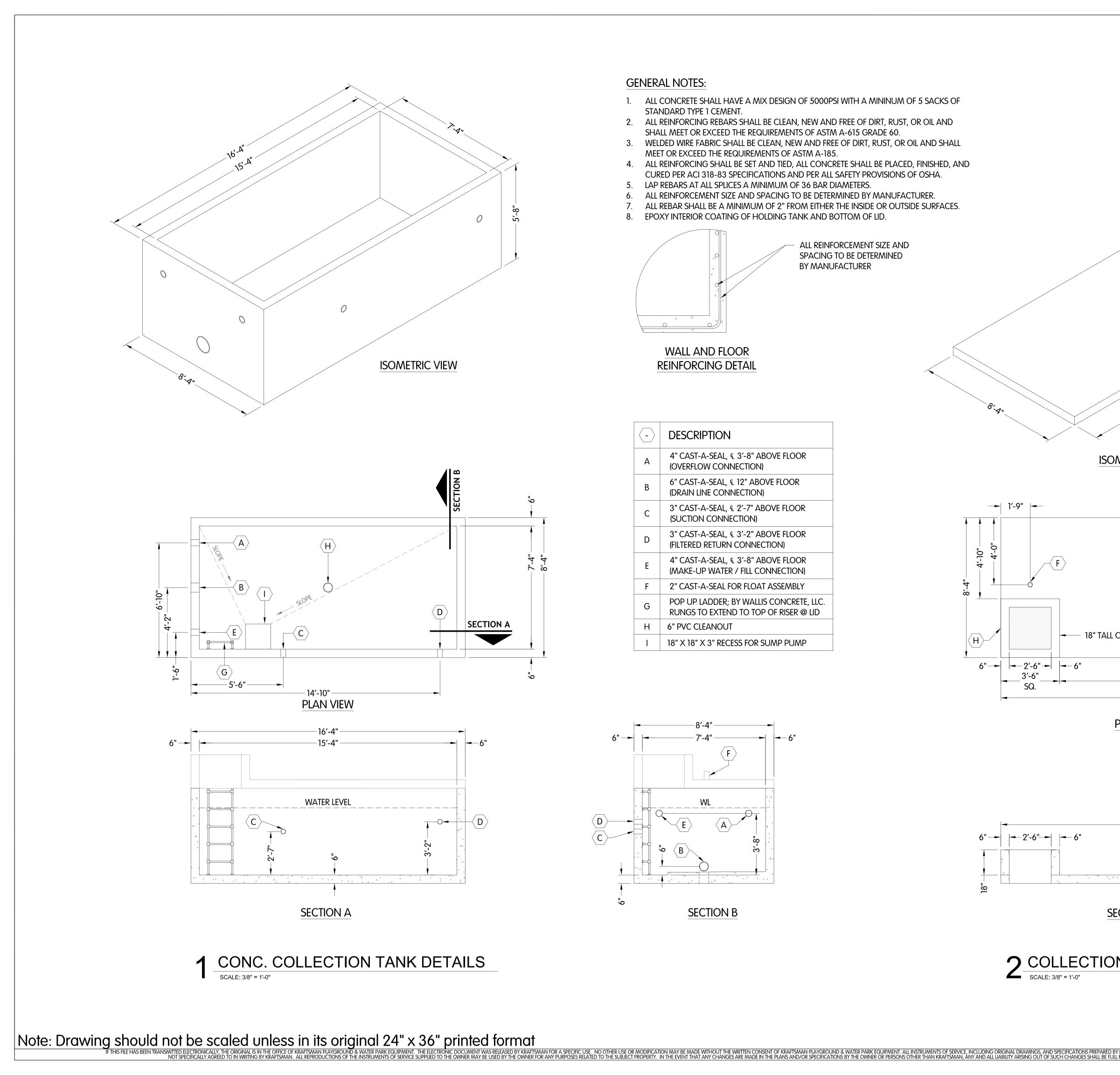
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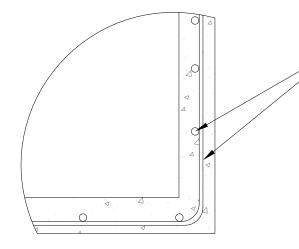


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SALES Ramon	REP:	rza
	PROJECT #:	21588
k SplashPark D, Texas	PAGE VIEW:	Feature Details
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Benavides Park San Antonic	DATE:	02 - 08 - 19
	REVISION #:	0
	OPTION #:	2
	SHEET #:	ED200



GENERAL NOTES:

- 1. ALL CONCRETE SHALL HAVE A MIX DESIGN OF 5000PSI WITH A MININUM OF 5 SACKS OF STANDARD TYPE 1 CEMENT.
- 2. ALL REINFORCING REBARS SHALL BE CLEAN, NEW AND FREE OF DIRT, RUST, OR OIL AND
- SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM A-615 GRADE 60. 3. WELDED WIRE FABRIC SHALL BE CLEAN, NEW AND FREE OF DIRT, RUST, OR OIL AND SHALL
- MEET OR EXCEED THE REQUIREMENTS OF ASTM A-185. 4. ALL REINFORCING SHALL BE SET AND TIED, ALL CONCRETE SHALL BE PLACED, FINISHED, AND CURED PER ACI 318-83 SPECIFICATIONS AND PER ALL SAFETY PROVISIONS OF OSHA.
- 5. LAP REBARS AT ALL SPLICES A MINIMUM OF 36 BAR DIAMETERS.
- 6. ALL REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY MANUFACTURER.
- ALL REBAR SHALL BE A MINIMUM OF 2" FROM EITHER THE INSIDE OR OUTSIDE SURFACES. 7.
- 8. EPOXY INTERIOR COATING OF HOLDING TANK AND BOTTOM OF LID.

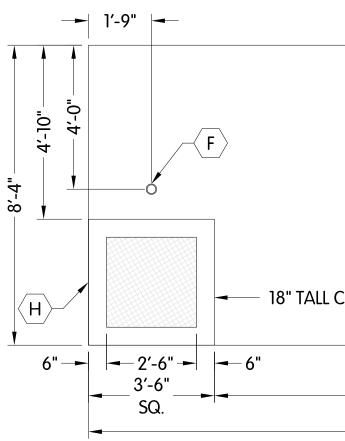


ALL REINFORCEMENT SIZE AND SPACING TO BE DETERMINED BY MANUFACTURER

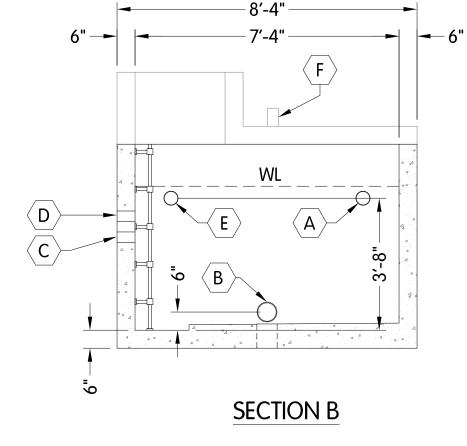
WALL AND FLOOR **REINFORCING DETAIL**

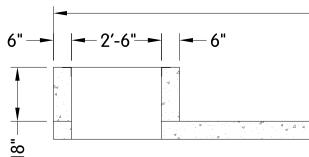
-	DESCRIPTION
А	4" CAST-A-SEAL, € 3'-8" ABOVE FLOOR (OVERFLOW CONNECTION)
В	6" CAST-A-SEAL, ⊊ 12" ABOVE FLOOR (DRAIN LINE CONNECTION)
С	3" CAST-A-SEAL, € 2′-7" ABOVE FLOOR (SUCTION CONNECTION)
D	3" CAST-A-SEAL, € 3'-2" ABOVE FLOOR (FILTERED RETURN CONNECTION)
E	4" CAST-A-SEAL, € 3′-8" ABOVE FLOOR (MAKE-UP WATER / FILL CONNECTION)
F	2" CAST-A-SEAL FOR FLOAT ASSEMBLY
G	POP UP LADDER; BY WALLIS CONCRETE, LLC. RUNGS TO EXTEND TO TOP OF RISER @ LID
Н	6" PVC CLEANOUT
I	18" X 18" X 3" RECESS FOR SUMP PUMP





8:4"

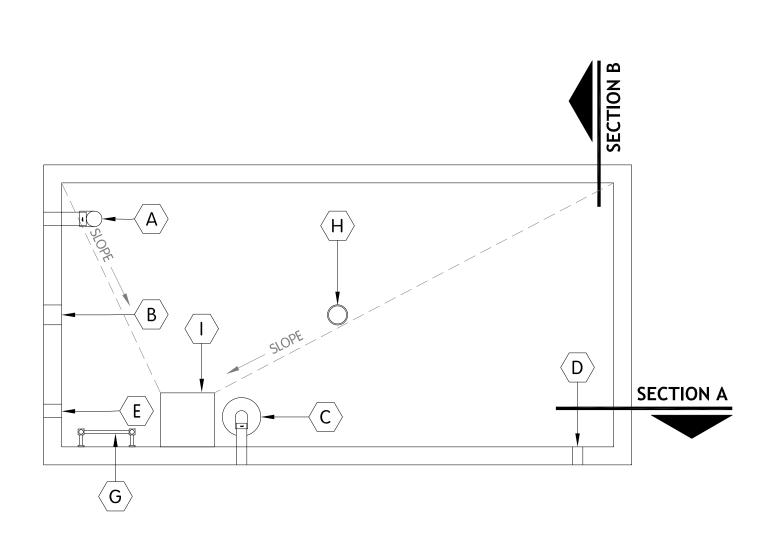




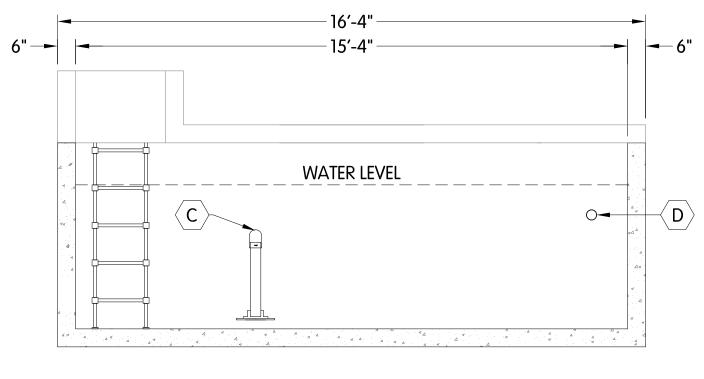
SEC



/ 18" TALL CONC. RISER	kraftsmar 800.45	nplay 51.480	。 .com 59
WITH BILCO TER-2 HATCH	3/8"		1′
	Ramor	n Go	irza
		PROJECT #:	21588
WETRIC VIEW	SplashPark Texas	PAGE VIEW:	Holding Tank Details
CONC. RISER 12'-10"	es Park	DRAWN BY	NF
<u>PLAN VIEW</u> — 16'-4" — —	Benavid	5	02 - 08 - 19
		OPTION #: REVISION #:	2
N TANK LID DETAILS 75% KOMPLETE - DESIGN REVIEW		SHEET #: 0	FL300



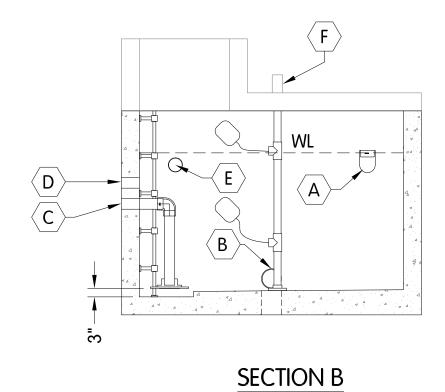




SECTION A

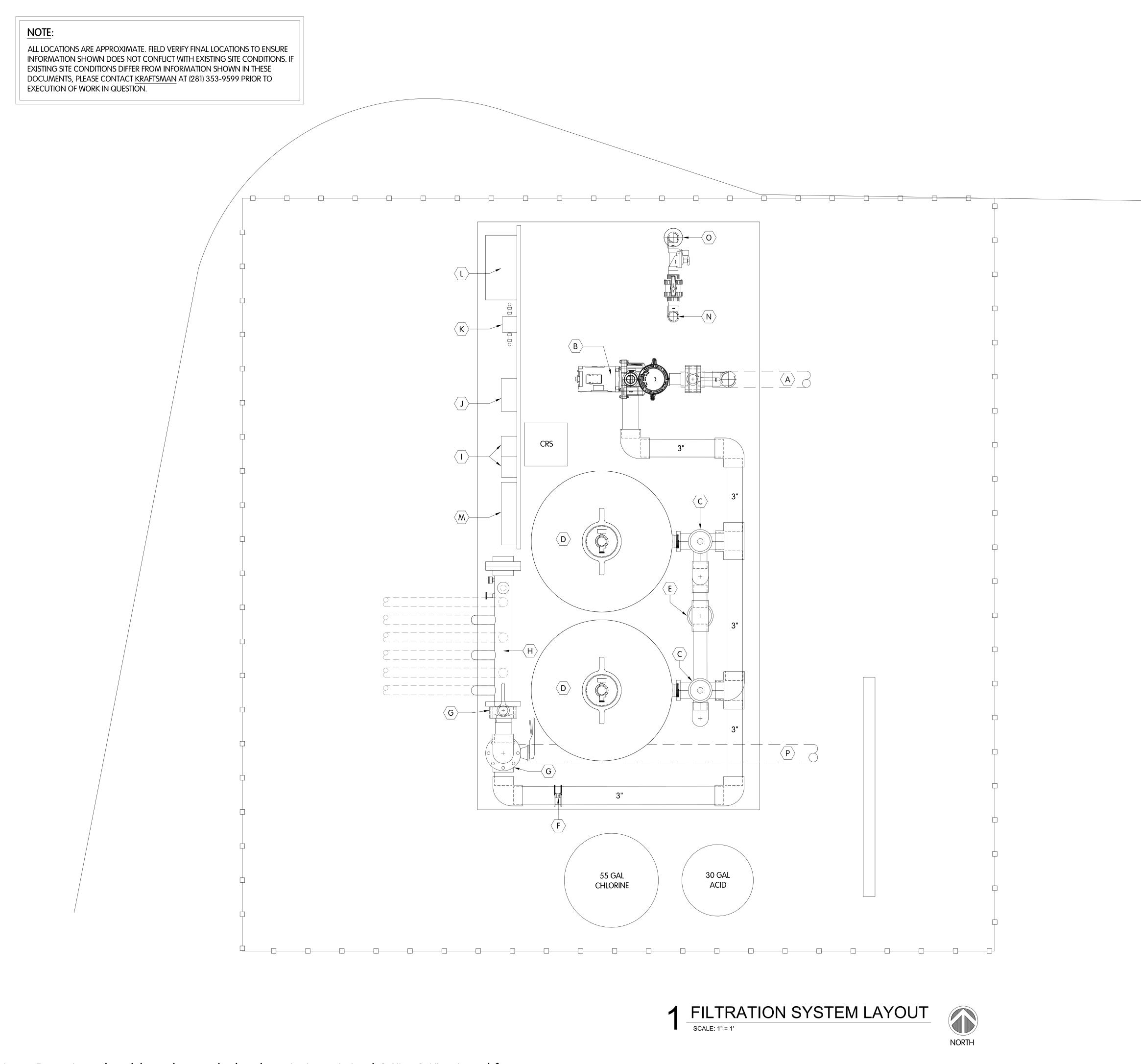
CONC. COLLECTION TANK DETAILS 1 SCALE: 3/8" = 1'-0"

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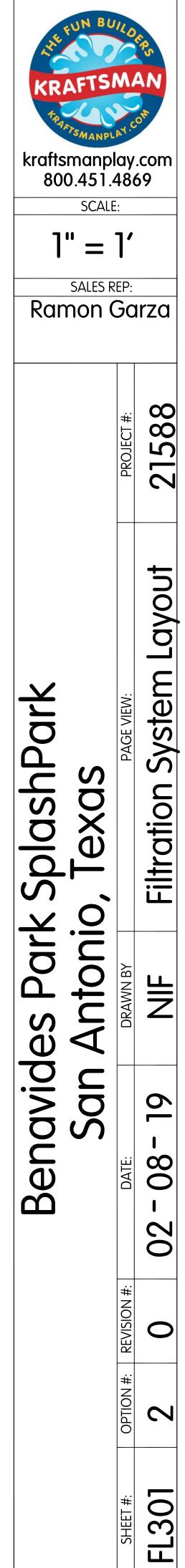


	r
	DESCRIPTION
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В	6" CAST-A-SEAL, € 12" ABOVE FLOOR (DRAIN LINE CONNECTION)
С	3" CAST-A-SEAL, € 2'-7" ABOVE FLOOR (SUCTION CONNECTION)
D	3" CAST-A-SEAL, € 3'-2" ABOVE FLOOR (FILTERED RETURN CONNECTION)
E	4" CAST-A-SEAL, € 3'-8" ABOVE FLOOR (MAKE-UP WATER / FILL CONNECTION)
F	2" CAST-A-SEAL FOR FLOAT ASSEMBLY
G	POP UP LADDER; BY WALLIS CONCRETE, LLC. RUNGS TO EXTEND TO TOP OF RISER @ LID
Н	6" PVC CLEANOUT
I	18" X 18" X 3" RECESS FOR SUMP PUMP

Image: Notest and the second					
		PROJECT #:	21588		
< SplashPark	o, Texas	PAGE VIEW:	Holding Tank Piping		
Benavides Park S	San Antonic	DRAWN BY	NF		
		DATE:	02 - 08 - 19		
		REVISION #:	0		
		OPTION #:	2		
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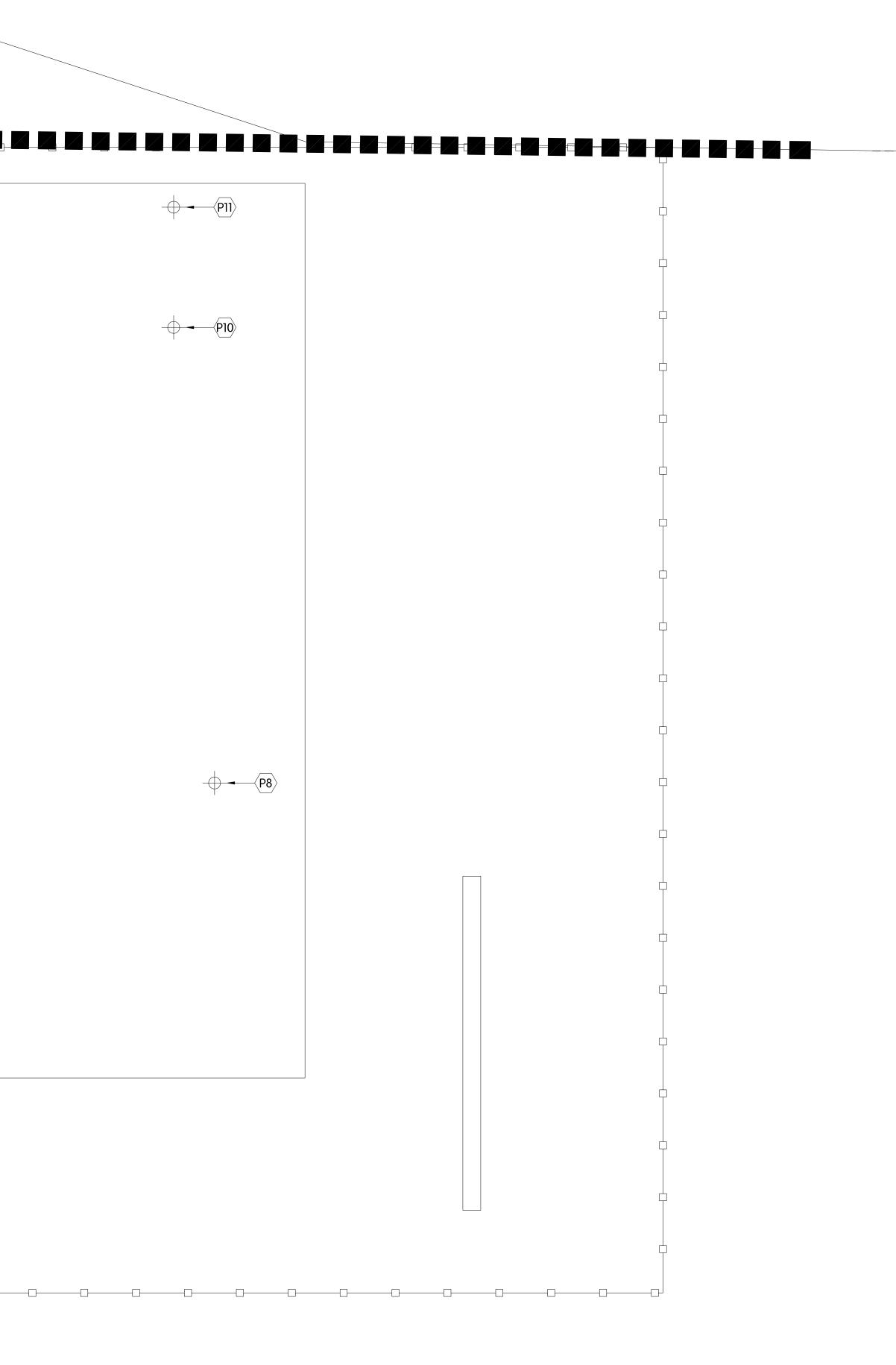
A	3" PUMP SUCTION
В	PENTAIR <u>WHISPERFLOW XFE-20</u> , 5HP, SINGLE PHASE PUMP WITH STRAINER
С	PENTAIR FULLFLoXF BACKWASH VALVE; <u>QTY. 2</u>
)	FIBERGLASS SAND FILTER BY PENTAIR; 7.06 S.F. FILTER AREA; MODEL: <u>TR140C; QTY. 2</u>
Ξ	6" REDUCED UNDERGROUND BACKWASH WITH AIR GAP, 6" RISER 4.75" ABOVE FINISH FLOOR
-	BLUE WHITE FLOWMETER; MIN. 10X BEFORE AND 4X PIPE DIA. AFTER INTERRUPTED PIPE RUN
3	3" BUTTERFLY VALVE <u>QTY. 2</u>
ł	WATER SUPPLY MANIFOLD BY KRAFTSMAN; MODEL:KM-06, 3" DIAMETER HEADER, 6 VALVES
	STENNER PERISTALTIC PUMP; 0.5-10 GPD FEED RATE; 120V (REQUIRES ELEC RECEPTICLE); FURNISH WITH NO 5 TUBE ASSEMBLY AND BALL TYPE EJECTOR CHECK VALVE; MODEL: <u>A45M5138</u> <u>QTY. 2</u>
J	CHEMTROL MODEL 250 CHEMICAL CONTROLLER FOR LSI, pH, AND ORP MONITORING; FURNISH WITH SAMPLING CELL AND PROBES; 120V REQUIRED (REQUIRES DUPLEX RECEPTACLE), MODEL: <u>CH250</u>
ζ	FLOW CELL FOR CHEMICAL INJECTION, MODEL: <u>FCA</u>
-	CUSTOM CONTROLLER; MODEL: <u>KDSC-8-16</u>
٨	PULSAR CRY SYSTEM, WITH 5 GALLON CONTAINER
١	1" MAKEUP WATER SYSTEM / FILL LINE, 1" WATER IN WITH AUTO AND MANUAL VALVES
D	4" MAKEUP WATER SYSTEM / FILL LINE, 4" GRAVITY LINE TO HOLDING TANK
>	3" FILTERED RETURN TO HOLDING TANK



NOTE:

1. ALL LOCATIONS ARE APPROXIMATE. FIELD VERIFY FINAL LOCATIONS TO ENSURE INFORMATION SHOWN DOES NOT CONFLICT WITH EXISTING SITE CONDITIONS. IF EXISTING SITE CONDITIONS DIFFER FROM INFORMATION SHOWN IN THESE DOCUMENTS, PLEASE CONTACT <u>KRAFTSMAN</u> AT (281) 353-9599 PRIOR TO EXECUTION OF WORK IN QUESTION.
2. DIMENSIONS SHOWN THUS ARE FROM X-AXIS OR Y-AXIS (TYP.)

	P1 P2 P3 P4 P5 P6 P7	FILTRATION SCHEDUL PIPE LABEL SIMPLE SPRAY II JET WAY DUET JET MINI SIMPLE SPRAY MUSHROOM MAZE	E PIPE SIZE 1.5" 1"	
	P2 P3 P4 P5 P6	SIMPLE SPRAY II JET WAY DUET JET MINI SIMPLE SPRAY	1.5" 1"	
	P2 P3 P4 P5 P6	JET WAY DUET JET MINI SIMPLE SPRAY	ן"	
	P2 P3 P4 P5 P6	JET WAY DUET JET MINI SIMPLE SPRAY	ן"	
	P3 P4 P5 P6	DUET JET MINI SIMPLE SPRAY		
	P5 P6			
	P6	MUSHROOM MAZE	1.5"	
			1.5"	
	P7	BABY LONG LEGS	1.5"	
		FILTERED RETURN TO TANK	3"	
_	P8	BACKWASH TO SANITARY	4"	
	P9 P10	PUMP SUCTION MAKE-UP WATER FILL LINE	3"	
	P11	GRAVITY FILL TO TANK	4"	
ф Т				
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				P1
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1 FILTRATION SYSTEM PENETRATIONS SCALE: 1" = 1'



Α	3" PUMP SUCTION
В	PENTAIR <u>WHISPERFLOW XFE-20</u> , 5HP, SINGLE PHASE PUMP WITH STRAINER
С	PENTAIR FULLFLoXF BACKWASH VALVE; <u>QTY. 2</u>
D	FIBERGLASS SAND FILTER BY PENTAIR; 7.06 S.F. FILTER AREA; MODEL: <u>TR140C; QTY. 2</u>
E	6" REDUCED UNDERGROUND BACKWASH WITH AIR GAP, 6" RISER 4.75" ABOVE FINISH FLOOR
F	BLUE WHITE FLOWMETER; MIN. 10X BEFORE AND 4X PIPE DIA. AFTER INTERRUPTED PIPE RUN
G	3" BUTTERFLY VALVE <u>QTY. 2</u>
Н	WATER SUPPLY MANIFOLD BY KRAFTSMAN; <u>MODEL:KM-06</u> , 3" DIAMETER HEADER, 6 VALVES
I	STENNER PERISTALTIC PUMP; 0.5-10 GPD FEED RATE; 120V (REQUIRES ELEC RECEPTICLE); FURNISH WITH NO 5 TUBE ASSEMBLY AND BALL TYPE EJECTOR CHECK VALVE; MODEL: <u>A45M5138</u> <u>QTY. 2</u>
J	CHEMTROL MODEL 250 CHEMICAL CONTROLLER FOR LSI, pH, AND ORP MONITORING; FURNISH WITH SAMPLING CELL AND PROBES; 120V REQUIRED (REQUIRES DUPLEX RECEPTACLE), MODEL: <u>CH250</u>
K	FLOW CELL FOR CHEMICAL INJECTION, MODEL: <u>FCA</u>
L	CUSTOM CONTROLLER; MODEL: <u>KDSC-8-16</u>
Μ	PULSAR CRY SYSTEM, WITH 5 GALLON CONTAINER
N	1" MAKEUP WATER SYSTEM / FILL LINE, 1" WATER IN WITH AUTO AND MANUAL VALVES
0	4" MAKEUP WATER SYSTEM / FILL LINE, 4" GRAVITY LINE TO HOLDING TANK
Р	3" FILTERED RETURN TO HOLDING TANK (MANIFOLD BYPASS)

kraftsmanplay.com 800.451.4869 SCALE: 1'' = 1'SALES REP: Ramon Garza 21588 System Penetrations $\mathbf{\underline{V}}$ Jar **≝**| plashF XOS Filtratio **D** *intonio*, Jark ЧZ Benavides San 0 08 N 0 0 \sim FL302

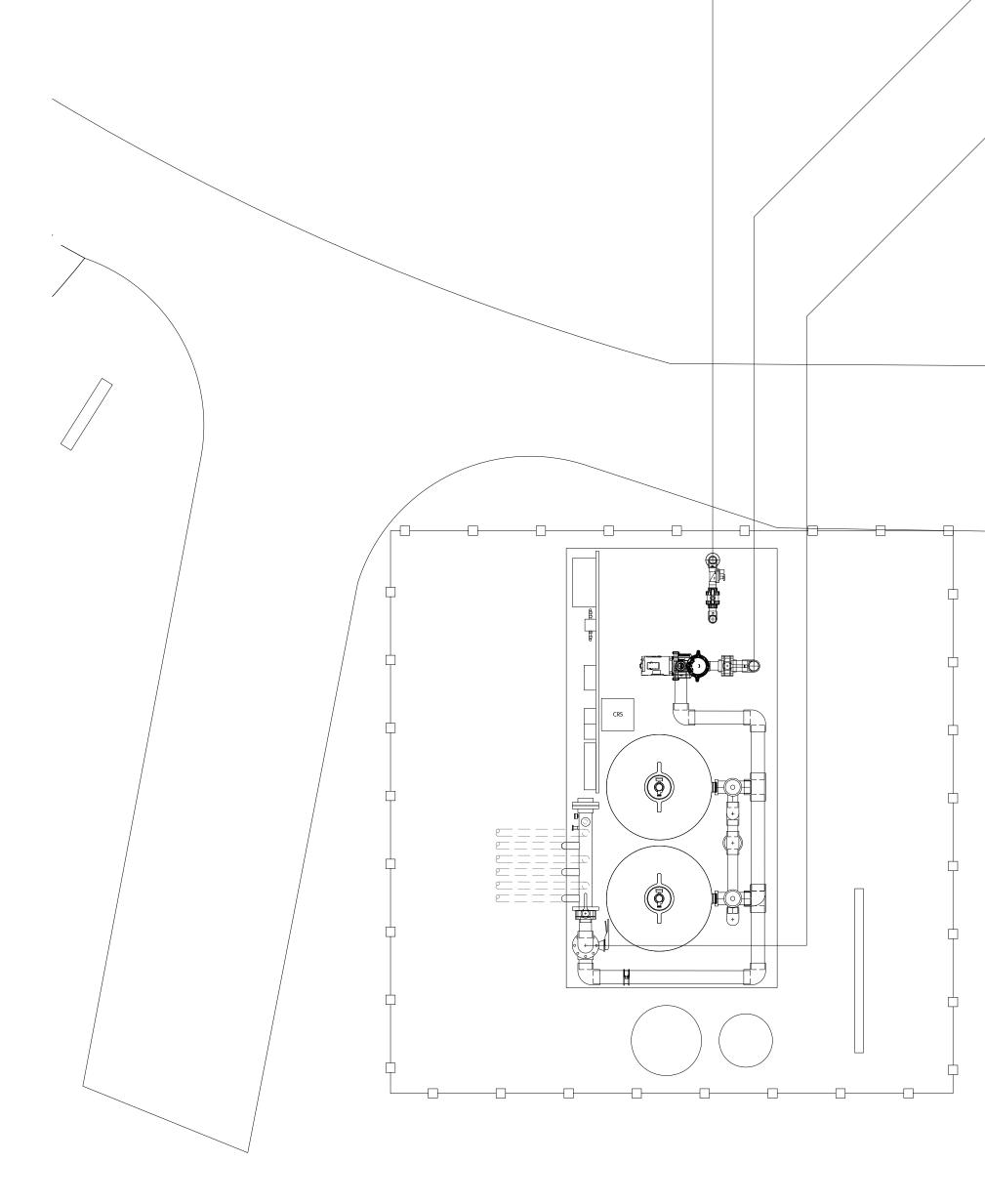
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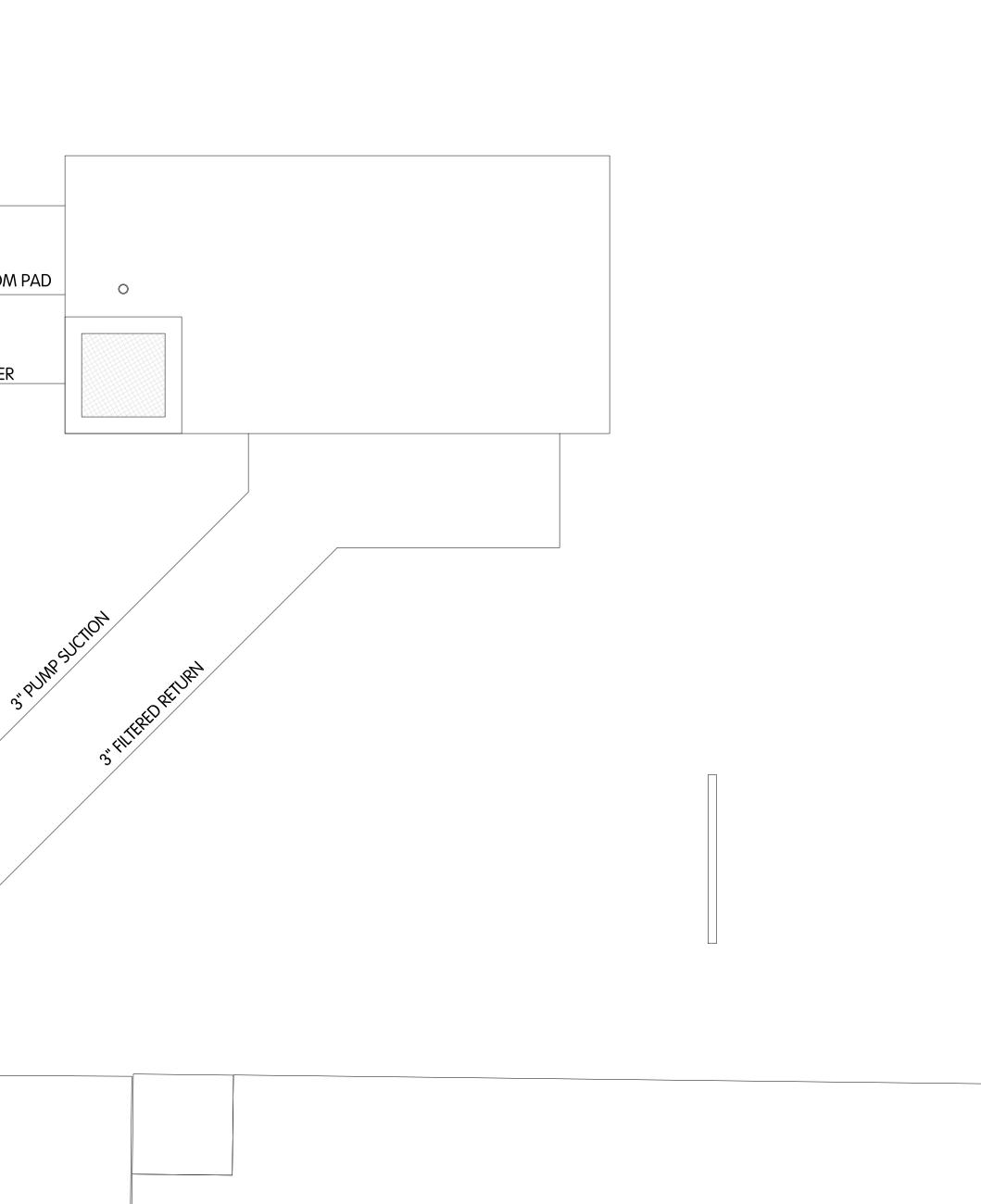
4" OVERFLOW

6" DRAIN LINE FROM PAD

4" MAKE-UP WATER



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