

CITY COUNCIL AGENDA REPORT

Meeting Date: February 20, 2025

From: Adrienne Etherton, Sustainability Manager

Subject: Pool Electrification Contract Construction Amendment

This project is categorically exempt from further environmental review under the California Environmental Quality Act. §15301, CEQA Guidelines (Class 1- Existing Facilities).

Community Goal/Result

Ecological Sustainability; Fiscally Prudent

Purpose

Receive council approval of the Construction Amendment under the Existing Design-Build Contract with Willdan Energy Solutions (WES) for the Community Pool Electrification Project.

Recommendation

Authorize the City Manager to sign the design-build contract amendment in the amount of \$1,649,584.

Background

In July 2022, the City Council utilized CA Government Code 4217 to approve a Design-Build Contract with Willdan Energy Solutions (WES) for the Community Pool Heating System Electrification Project. That contract anticipated a Construction Amendment after completion of the design process.

The project will install three electric air-source heat pumps as the primary heating system for the pool, replacing the existing gas-fired pool heater currently in use. A small gas-fired condensing "pony" boiler will be installed to provide supplemental heating to the heat pump systems when outdoor temperatures fall. The project includes a new 800-amp PG&E service and associated site changes to accommodate the electrical equipment.

Electrifying the pool's primary heating source will eliminate a projected 34,274 therms of natural gas per year, or 86% of the City's annual municipal natural gas usage across all facilities. Using current energy costs, it is expected to reduce operational utility costs \$15,034 per year.

Construction is expected to start this May and take approximately 18 months; the timeline is largely dependent on long lead times for new switchgear and PG&E's construction.

Discussion

The design phase of the project has been completed under the initial contract with Willdan for the authorized cost of \$66,875 to Willdan and \$45,409 fees from PG&E. With the Willdan and PG&E designs now finalized, staff is recommending approval of the construction ("build") portion of this design-build contract.

Fiscal Impact

Construction Phase Costs	
Electrical Upgrades	\$731,360
Civil work (Excavation,	\$134,726
Grading, Paving)	
Mech. Equipment (Heat	\$311,076
Pumps, Boiler, Heat	
Exchanger, Pumps, etc.)	
Installation	\$259,808
Misc Materials	\$55,876
Subtotal	\$1,492,845
Other	
Contingency	\$104,182
Tax on Materials	\$52,557
Subtotal	\$156,739
Total Construction Phase	\$1,649,584
Costs (Amendment Amount)	
Design Phase Cost	\$112,194
(WES + PG&E)	
Total (All Phases)	\$1,761,778

Funding Sources	Amount
PCE incentive	\$548,348
PCE loan (7-year term, 1%	\$600,000
interest rate, to be paid out of	
general fund – anticipated	
quarterly payments of \$22,214)	
PG&E incentive (CPUC-	\$230,000
approved)	
County Measure K Funds	\$200,000
directed by Supervisor Canepa	
City Capital Improvement Plan	\$183,394
Funds approved in July 2022	
Total	\$1,761,778

Environmental Review

This project is categorically exempt from further review under the California Environmental Quality Act in that the project is to alter an existing facility without expanding existing uses (CEQA Guidelines, §15301 "Class 1 – Existing Facilities").

Measure of Success

Heat pump water heaters installed to provide primary heating for the community pool with a significant reduction of GHG emissions.

Attachments

- 1. Design-Build Contract Amendment with Willdan Energy Solutions
- 2. Design-Build Contract with Willdan Energy Solutions approved July 2022

Adrienne Etherton, Sustainability Manager

Randy Breault, Public Works Director

Jeremy Dennis, City Manager

EXHIBIT 1. DESIGN-BUILD AMENDMENT

This Amendment is incorporated into the accompanying Design-Build Contract dated the 25th day of July in the 2022 year (the "Agreement") for the following

PROJECT: Brisbane Community Pool Heating System Electrification, 2 Solano St., Brisbane, CA 94005

THE CUSTOMER: City of Brisbane, 50 Park Place, Brisbane, CA 94005

THE DESIGN-BUILDER: Willdan Energy Solutions, Inc.

The Customer and Design-Builder hereby amend the Agreement as follows.

TABLE OF ARTICLES

- 1. CONTRACT SUM
- 2. CONTRACT TIME
- 3. CONSTRUCTION SCHEDULE
- 4. INFORMATION UPON WHICH AMENDMENT IS BASED

1. CONTRACT SUM

- a) Stipulated Sum:
 - The Stipulated Sum shall be \$1,649,584, subject to authorized adjustments as provided in the Design-Build Documents

2. CHANGES IN THE CONTRACT SUM:

- a) Any overage in the cost of the Scope of Work in SCHEDULE A (SCOPE OF WORK) shall be the responsibility of WES.
- b) Changes to the contract sum are warranted for, but are not limited to: Hazardous materials, additions or modifications to the Scope of Work, and Unforeseen Site Conditions. All additional costs associated with these items shall be the responsibility of Customer.

3. CONTRACT TIME

- a) The contract duration will be 616 calendar days.
- b) Weather disruptions, availability of necessary equipment beyond the time allotted for material procurement, remediation of hazardous materials and other delays beyond the control of WES shall not count toward the construction timeframe.

4. INFORMATION UPON WHICH AMENDMENT IS BASED

- a) City of Brisbane Utility Specifications
- b) Scope of Work
 - (1) See Attachment 1.A Scope of Work
- c) Drawings
 - (1) See Attachment 1.B Drawings. Full-size plan set available at Public Works counter during normal business hours.
- d) Construction Schedule
 - (1) See Attachment 1.C Construction Schedule

This Amendment to the Agreement entered into as of the day and the year first written above.

Willdan Energy Solutions (WES)	City of Brisbane (Customer)
Signed	Signed
Name	Name
Date	Date
California Contractors License No. 1065713	
Willdan Energy Solutions 2401 E. Katella Ave, #300 Anaheim, CA 92806	City of Brisbane 50 Park Place Brisbane, CA 94005

WILLDAN Design-Build Contract | Page 2

ATTACHMENTS

Attachment 1.A – Scope of Work
Attachment 1.B – Drawings
Attachment 1.C – Construction Schedule
Attachment 1.D – Comment Log

ATTACHMENT 1.A – SCOPE OF WORK

City of Brisbane Pool Heating Electrification Project

The intent of this project is to electrify the primary heating source for the Brisbane Community Pool, located at 2 Solano St. The swimming pool heating system currently includes a gas-fired, Raypak boiler Model P-1826 with local controls, a 15-hp pool recirculation pump, pool filtration system, and chemical storage and feed pump systems (chlorine and acid).

This scope includes the replacement of the existing gas-fired pool heating system with an air-source heat pump system to be used as the primary heating system, with a gas fired condensing boiler for supplemental heat for peak heating demands.

Scope of Work

Willdan will provide a complete and functioning improvement, regardless of whether minor details aren't mentioned in the scope. Willdan will comply with the entirety of PCC §2600-2603, including the PCC 2602 requirement for retention. Willdan and its subcontractors will use a skilled and trained workforce to perform all work on the project that falls within an apprenticeship occupation in the building and construction trades (PCC § 22164(c)(1)).

Design Scope

- o Provide seismic/anchorage calculations and details for permit set.
- Provide engineering for final permit ready design drawings.
- Obtain required permits.

Demolition Work

- Boiler
 - Demolition and safe off from the existing Raypak gas-fired boiler (Model P-1826) and associated piping, valves, fittings, flue, plumbing, and electrical connections. Piping will be removed up to the main 8" manifold and solar heat exchanger and capped (see drawings).
 - o Haul away the existing swimming pool boiler.
- Heat Pump Concrete Pad
 - o Demolish and remove approximately 720 sf of pavement to a depth of 4".
 - Provide demolition and removal of debris and obstructions as required to construct new improvements.

New Installation Work

- Heat Pumps
 - Install (3) new air-source heat pump water heaters adjacent to the pool mechanical room.
 - Manufacturer: Aquacal
 - o Model: GBB 500
 - o R410A Refrigerant
 - SMART control display
 - Titanium Heat Exchanger
 - o Provide Crane and rigging to hoist three (3) new AquaCal Heat Pumps on concrete pad.

- Electrical subcontractor to install new electrical connections to the new equipment.
- o Perform startup and functional testing of new equipment with factory assistance.
- Install all associated supply and return pool water piping with associated valves and appurtenances and connect to the existing swimming pool loop (see mechanical drawings).

Boiler

- o Furnish and install one (1) new Lochinvar condensing Boiler.
- o Furnish and install one (1) new Ecocirc pump.
- o Furnish and install one (1) new Bell & Gossett Heat Exchanger
- o Furnish and install one (1) new Acid Neutralizer kit.
- Furnish and install one (1) new CPVC flue through the existing flue penetration in the roof.
- Furnish and install all associated boiler piping and appurtenances and connect to the existing swimming pool loop (see mechanical drawings).
- Electrical subcontractor to install new electrical connections to the new equipment.
- Perform startup and functional testing of new equipment with factory assistance.

Piping

- Boiler piping installed per best practice standards.
- Heat Pump piping installed per best practice standards.
- Piping > 2.5" shall be Copper with pro press or soldered connections.
- Piping < 2.5" shall be CPVC.
- o Condensate drains (Copper Type M) installed per ACCO standards.
- Piping to be insulated per industry standards, California Title 24, and local code requirements.
- o Exterior Fiberglass Insulation with aluminum jacketing.
- Interior Fiberglass Insulation

• Electrical

- Furnish & Install (1) 4" underground raceway from PG&E utility pole to new PG&E utility transformer pad. Cost is predicated on PG&E allowing the power to be connected to a new PG&E pole adjacent to the closest existing power pole, per PG&E design.
- Furnish & Install grounding, as specified in the PG&E Green Book, for new PG&E utility transformer pad.
- Furnish & Install (2) 4" schedule 40 PVC conduits w/ (4) #600MCM & (1) #1/0 ground per conduit, from new 800A main meter service to new 800A, N3R distribution board.
- Furnish & Install (1) Siemens SB3, 120/208V, 1200A bus, 3ph, 4-wire, NEMA 3R, PG&E utility meter main, 65KAIC with 800A main circuit breaker.
- Furnish & Install (1) Siemens 120/208V, 800A, 3ph, 4-wire, Nema 3R, 65KAIC w/800A main circuit breaker. Also includes
 - (1) 100A, 3-pole breaker
 - (2) 20A, Single Pole breaker
 - (3) 150A, 3-pole breakers.
- Furnish & Install (3) 1 ½" EMT conduits with (3) #1/0 AWG & (1) #6G for each HPWH-1, HPWH-2, HPWH-3.
- Furnish & Install (1) 1 ¼" EMT conduit w/ (3) #2 AWG & (1) #6G for PWP-1

- o Furnish & Install (1) ¾" EMT conduits with (3) #12 AWG for boiler B-1.
- Rework underground conduit for existing lighting poles where the new pad is going to be poured. Metro Electric assumes that there is only one underground feed tying the poles together. No as-builts were available for review.
- Provide (2) Equivalent LED wall packs to replace the existing building lights. Submittals to be provided on approval of the project.
- o Excavation, asphalt, concrete pads and bollards are included as necessary.
- All work to be performed during normal business hours (Mon.-Fri 7:00am-3:30pm), unless otherwise noted.

Civil

- Asphalt Demolition & Trenching: Sawcut roughly 30 LF of hardscape to an assumed depth of 6" for new transformer. Excavate to a depth of 24" below finished grade and 18" wide. Excavate small 20'x20' area for new concrete pad in front to a depth of 6" below finished grade. Provide demolition and removal of debris and obstructions as required to construct new improvements. Off-haul and dispose of all asphalt debris generated from this work. Native material to be hauled off to the City corp yard for disposal. Includes trench plates for Solano Road and driveway.
- Backfill, Base rock, & Paving: Backfill trench with Class II AB material to a depth of 10" below finished grade conduit is placed by others. Furnish, place and compact 4" of Class II recycled base rock under 6" of hot-mix asphalt pavement in two lifts over designated area of new pavement.
- Trenching & Backfill in Landscaping: Excavate roughly 190LF of utility trench 18" wide with an average depth of 24" and stock excess material on site. Includes trench plywood cover in Lipman field, as well as caution tape and barricades to mark work area. Once conduit is placed by others backfill with native material that was stockpiled onsite and restore to prior condition. Existing grass to be re-used in Lipman field.
- Concrete Demolition: Saw-cut and remove (1) designated area of concrete along with other minor obstructions, including trees, plants, and existing light pole as required to construct new transformer pad roughly 400SF. Off-haul and dispose of all debris generated from this work.
- Concrete Pads: Form edges for (1) concrete pad and set reinforcing steel at 18" on center each way. Pad to be 20'x20'. Pour and finish (1) 6" thick concrete pads with a standard finish. Excludes any base rock under existing concrete, assumed to be sufficient. Includes repair of concrete driveway approach.
- o Fencing & Canopy Removal: Provide demolition and removal of roughly 75LF of 14' tall old chain link fence in existing concrete. Off-haul and dispose of all debris generated from this work. Furnish and install new black vinyl chain link fencing in new designated location. Relocate (1) 4' chain link gate. Cut and remove existing canopy structure where new concrete pad will be located, relocate canopy structure to baby pool location specified by the City. Any structural engineering work required by canopy relocation to be addressed via change order. Includes an additional 60 LF of black vinyl chain link fence 6' around new transformer.
- Traffic control plan includes safety cones safety and a traffic flagger as necessary for the trench through Solano Street. Will obtain no-cost Encroachment Permit.

 All site work will be coordinated with City, School, and relevant sports organizations regarding schedules and impacts to sports field and property access.

Warranty

We pass along the equipment manufacturer's standard warranty on equipment covered in this scope and warranty all associated labor for a period of one year from the date of start-up for beneficial use.

Exclusions

- PG&E Connection Fees.
- Permit or Inspection fees and any costs associated with delays caused due to lack of proper permits.
- o PG&E required work beyond standards indicated in PG&E Greenbook.
- Any utility fees or delays created by the utility
- o Fire Hydrant Relocations.
- Work outside of normal business hours: Monday Friday, 8:00am 5:00pm.
- Holiday work.
- Abatement of asbestos and other hazardous materials.
- Environmental testing or permitting.
- o Painting and patching beyond demolition and repair work.
- Civil engineering, surveying, soils testing, permit or inspection fees. Subgrade import or export.
 Repairs to underground utility lines. New utility boxes, manholes or valve covers. Sleeves or backfill of utility trenches. Off-site work. Any base rock under any pavement that is not specified above.
- Automated controls beyond localized control described in the scope of work and permit set of drawings.
- o Roofing work.
- Parking lot restriping, grading, curb and gutter work, site work not affected directly by the listed scope of work.
- Landscaping and irrigation modifications that are not associated with this scope.
- Rock excavation, dewatering or unforeseen concealed subterranean conditions when placing foundations or boring/trenching.
- o Modifications to existing conditions not directly included in this scope of work.
- Insulation on existing piping.
- Existing system modifications due to code upgrades not associated with the scope of this project.
- Site screen work and/or modifications.
- Water testing and chemical treatment.
- Additional storage fees beyond one month.
- o Concealed conditions requiring upgrades/repairs/modifications/replacement.
- Relocation of existing gas and water meters
- Installation of lap pool recirculation pump with VFD
- Excludes leveling of ADA stalls if they are found to be non-compliant.
- Excludes any additional work not clearly stated above.
- Excludes slab scanning or utility locating.

Clarifications

- Customer to provide temporary shutoff of utilities if necessary for the performance of the work, with such shutoffs coordinated between the parties to provide minimal disruption to the facility while maintaining the Construction Schedule.
- Work is to be performed during standard business hours: Monday Friday, 8:00am 5:00pm.
- Allowable work areas must be extensive enough for the construction crew to work continuously for a full workday. Work stoppages could result in additional costs.
- Access for the City's staff, vendors, and contractors will be coordinated throughout the duration of the construction project.
- Shutdowns and tie-in work will be performed during normal working hours.
- Irrigation system is to be shut off 24 hours prior to the start date and at least 48 hours after the completion of this work. Manual watering is recommended during this resurfacing work. No perimeter watering and/or runoff should be allowed on the court surface. This is the responsibility of owner and/or owner representative.
- Construction schedule estimates are based on PG&E's approval and installation process and maybe subject to changes outside of Willdan's control.
- The design is based on the current code cycle for 2025 (see drawings). Any delay in the project may result in a change order to implement new code requirements.
- The project areas shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the streets or areas, or allow others to occupy the streets or areas, for purposes which are not necessary to perform the required work. The area for Contractor use shall be provided by the Engineer during the preconstruction meeting. No parking of employee vehicles, equipment or storage of materials on Solano Street without approval from the City.
- Crane pick logistics to be coordinated with the customer and may require adjacent areas to be cordoned off.
- All exterior CPVC piping will be Insulated and covered with an aluminum jacket. New Interior piping will be wrapped with fiberglass Insulation. Existing piping will remain uninsulated.
- This proposal assumes existing piping is installed per code, in good working condition and sized to handle new loads.
- Willdan assumes the city of Brisbane will assist having the Pool Chemical company onsite to ensure all water testing and chemical treatment Is completed. Any significant delay may cause warranty concerns.
- Submittals of proposed new equipment will be provided for review and approval prior to release.
- Scope includes detailing and coordination between trades, as required.
- Scope includes completion of Title-24 paperwork during commissioning.
- Scope includes start-up reports.
- Scope includes performing cleanup and punch list.
- Scope includes performing Inspection of completed work.
- Scope includes providing equipment labels.
- Training will be provided on all new equipment for City O&M staff.
- O&M manuals will be provided on all new equipment.

ATTACHMENT 1.B – DRAWINGS

BRISBANE POOL ELECTRIFICATION

			MECHANICAL S	YMBOL L	EGEND		
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(N) 🔀 🔀	(E) NEW (N) & EXSETTING (E) RECTANGULAR SUPPLY ARE DUCT RESER		SUPPLY AIR ORILLE	Ã	PHELABATIC 2W CV	8888	FLEX CONNECTOR
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(N) 🖊 🖊	(E) NEW (N) & EXSETTING (E) PERCTANGULAR RETURN AIR DUCT RISER		EXHAUST GRELLE	iĝi	PHELMATIC BUTTERFLY 2W CV	000	TRIPLE GROOVED FLEXIBLE COUPLINGS - COUPLINGS MAY BE SEPARATED AS LONG AS THERE ARE THREE IN A STRAIGHT LINE BETWEEN THE ROTATING EQUIPMENT AND THE HEADER.
(N) 🔼 🖂	(E) NEW (N) & EXSETTING (E) RECTANGULAR EXHAUST AIR DUCT RISER	0	POUND DIFFLISER	-47-	PHILAMATIC BUTTERFLY 2W-CV (DWERTING)	С	END CAP
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~ ⊏	EXSTENS SINGLE LINE & DOUBLE LINE RECTANGULAR OR ROUND DUCT	(man)	WALLLOCKER	₽	MOTORIZIO 3W-CV	ь	SCSMIKC REDUCER
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		ABE	BREVIATIONS		
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AFF AHJ AP ASD BDD BF BOD BOI BOO CC CC CC CHWR CHWS CL CO	ARONE PRISECT LOOR AUTOPITY HOPE AUGUSTANIA AREA BROOKE DETECTOR BROOKE DETECTOR BOTTOM OF BUILDING BUILDIN	FLU FR FS FSD GALV GC GEXH GPH GPM GR GS GYP BD HHNWR HHNWS HOAA HP HPG HPWH HT HPS HPWH HT US ID	FLUE FLOOR SETURN FLOOR SETURN FIRE SMOKE CAMPER GAUGE	OPN'G OSA OSA PLBG POC PWR (R) RA RECIP RECID REV RG RG RG RH RL RND RR RR RS SA SG SM SS	OPENING OUTSIDE ARE OUTSIDE ARE PONT FOR FORMETTION PONT FOR FORMETTION PONT FOR FORMETTION RECURSION REPROFESSARS REPROF
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APPLICABLE CODES

CALIFORNIA MECHANICAL PROJECTS:

- UTROT LINTED TO.

 CALIFORNA CODE OF REGILLATIONS (CCR)

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SCOPE OF WORK

- INSTALL (3) AIR-SOURCE HEAT PUMPS AND (1) CONDENSING BOILER FOR POOL LAP HEATING.
- 3. REMOVE & REPLACE EXISTING LAP POOL PUMP 4. START UP, TESTING, & BALANCE OF NEW EQUIPMENT.



(415) 399-1549

THE PLANS AND SPECIFICATIONS HEREIN
ARE OWNED BY AND FOR THE SOLE USE OF
ACOC DEMORREFEED SYSTEMS, INC.
(ACCO) THE TOESKIN BUILDER! AND MAY
NOT BE REPRODUCED ON USED
BY OTHERS FOR MAY PURPOSE UNLESS
OR DEMORRANCE OF ACCOON MORNING ACCOON
OBLIGATION IN THE EVENT OF UNAUTHORIZED USE

DRAFT SUBJECT TO REVIEW AND APPROVAL BY CITY ENGINEER AND BUILDING STAFF

ISSUE FOR PERMIT 60% DD Description

> BRISBANE POOL ELECTRIFICATION

> > 2 SOLANO ST.

COVER SHEET, DRAWING INDEX, & SYMBOL LEGEND

R YOUNG R. YOUNG 70930684

B. DELLAMONICA Project Manager NONE

S. CHAUMPLUKE

M0.00

-	POOL EQ RM	-	POOL PUMP	NEMA 1	15	208V-3¢	NO	-		DEMO EXISTING VFD			
VFD PWP-1	POOL EQ RM	-	PWP-1	NEMA 1	20	208V-3¢	NO	-	-	PROVIDED BY ACCO AND MOUNTED BY ELECTRICIAN			
	AIR SEPARATOR												
							AIR	SEPA	RAIC	JK			

AIR SEPARATOR W/ AUTO AIR VENT

VOLTAGE EMERGENCY WEIGHT BYPASS

150 20

TAG

AS-1

POOL EQ. RM

LOCATION MANUFACTURER & SERVING ENCLOSURE HP

HEATING HOT WATER

25 0.4

PIPE INSULATION REQUIREMENTS (2019 & 2022) (PER TABLE 120.3-A PIPE INSULATION THICKNESS)

REMARKS

		CONDUCTIVITY		NOMINAL PIPE DIAMETER (INCHES)					
SYSTEM	FLUID TEMPERATURE RANGE ("F)	RANGE (IN BTU-INCH PER HOUR PER SQUARE FOOT PER "F)	INSULATION MEAN RATING TEMP, (°F)	<1	1 TO <1.5	1.5 TO <4	4 TO <8	8 AND LARGER	
		PER'F)		INSU	LATION THICKNESS F	REQUIRED (II	N INCHES)		
SPACE HEATING AND	SERVICE WATER	HEATING SYSTEMS (ST	EAM, STEAM CO	INDENSATE, SPACE	HEATING, SERVICE H	OT WATER)			
HEATING HOT WATER	105-140	0.22-0.28	100	1.0	1.5	1.5/2.0*	1.5/2.0*	1.5/2.0*	

GENERAL NOTES

EXCEPT AS MODIFIED BY A WRITTEN CONTRACT SIGNED BY THE DESIGN-BUILDER, THE DRAWINGS, SPECIFICATIONS, AND OTHER DOCUMENTS, INCLUDING THOSE IN ELECTRONIC FORM PREPARED BY OR FOR ANDIOR FURNISHED BY DESIGN-BULDER ARE INSTRUMENTS OF SERVICE: THE DESIGN-BULDER, DESIGN-BULDERS CONSULTANTS AND OTHER PROVIDERS OF PROFESSIONAL SERVICES INDIVIDUALLY SHALL RETAIN A PLILLY PREPAID, UNRESTRIAN FACE PERSERVED REALTS. INCLUDING COPYRIGHT IN THOSE INSTRUMENTS OF SERVICE FUNNISHED BY THEM.

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- INCOMBUSTIBLE PLENUM ABOVE CEILING FOR RETURNIRECIRCULATING AIR BY GENERAL CONTRA BUILDING SPACES USED AS RETURN AIR PLENUMS SHALL BE IN COMPLIANCE WITH 2022 CMC 602.2
- ACCESS DOORS AND/OR ACCESS PANELS THROUGH FIRE RATED WALLS, SHAFTS, CELINGS, ETC., MUST EQUAL THE MATERIAL PENETRATED.
- ALL AIR SHAFTS SHALL BE MADE AIR TIGHT BY GENERAL CONTRACTOR.
- ALL UNDERCUT DOORS AND DOOR LOUVERS ARE BY GENERAL CONTRACTOR
- ALL SPACE CONDITIONING EQUIPMENT SHALL BE LABELED AS TO WHICH AREA IT SERVES.

DRAFT SUBJECT TO REVIEW AND APPROVAL BY CITY ENGINEER AND BUILDING STAFF

THE PLANS AND SPECIFICATIONS HEREIN ARE OWNED BY AND FOR THE SOLE USE OF

ARE OWNED BY AND FOR THE SOLE USE OF ACCO ENGINEERED SYSTEMS, INC. ("ACCO") THE 'DESIGN BUILDER', AND MAY MOT BE REPRODUCED OR USED BY OTHERS FOR MAY PURPOSE UNLESS AUTHORIZED BY ACCO IN WRITING, ACCO CANNOT ACCEPT AND LIBBITLY WARRANTY, OR OBLIGATION IN THE EVENT OF UNAUTHORIZED US

ISSUE FOR PERMIT 02-07-2024 60% DD

> BRISBANE POOL ELECTRIFICATION

> > 2 SOLANO ST. BRISBANE, CA 94005

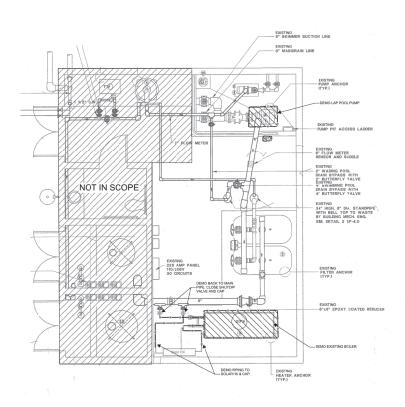
CONSTRUCTION REQUIREMENTS & FO SCHEDULES

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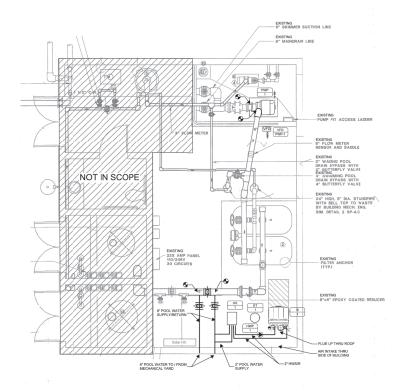
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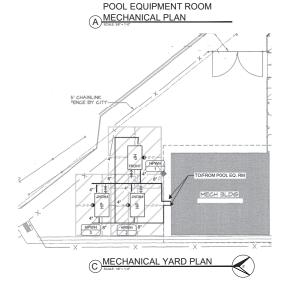
B DELLAMONICA

NONE











15 LOMBARD ST SAN FRANCISCO, CALIFORNIA 94111 (415) 399-1549

THE PLANS AND SPECIFICATIONS HEREIN ARE OWNED BY AND FOR THE SOLE USE OF ACCO ENGINEERED SYSTEMS, (INC. ("ACCO") THE "DESKIN BUILDER", AND MAY NOT BE REPRODUCED ON USED BY OTHERS FOR ANY PURPOSE UNLESS AUTHORIZED BY ACCO IN WIGHTON, ACCO CANNOT ACCEPT ANY LUBRUTTY WIRRORMTY, OR EVENT OF WANTERDER OF A WAT PURPOSED BY ACCO IN WIRRORMTY, OR EVENT OF WANTERDER OF A WAT THE PROPERTY OF THE POST OF THE P

DRAFT SUBJECT TO REVIEW AND APPROVAL BY CITY ENGINEER AND BUILDING STAFF

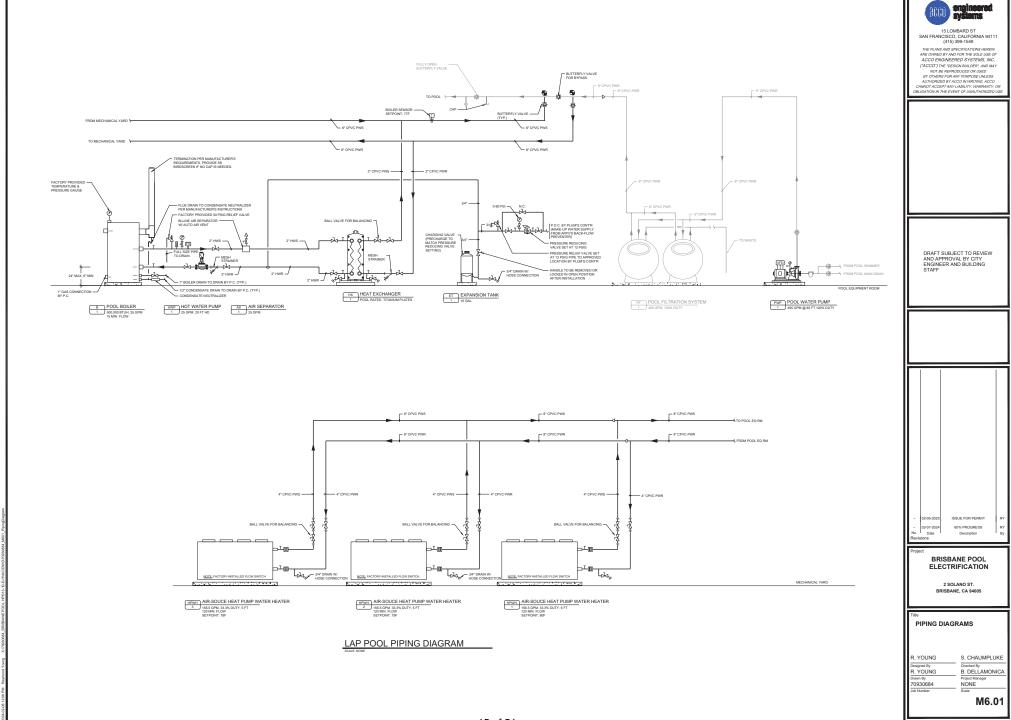
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BRISBANE POOL ELECTRIFICATION

> 2 SOLANO ST. BRISBANE, CA 94005

POOL EQUIPMENT ROOM MECHANICAL & DEMO PLAN & MECH YARD PLAN

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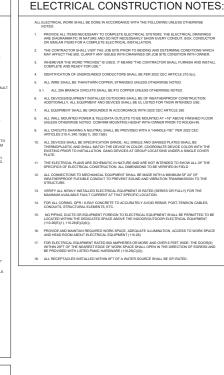




CODE CYCLES 2022 CALIFORNIA ELECTRIC CODE 2022 CALIFORNIA ENERGY CODE

SCOPE OF WORK

-NEW 800A SERVICE EQUIPMENT AND METER.
-NEW POWER FOR MECHANICAL EQUIPMENT.











POOL **PUBLIC** SOLANO DRIVE ISBANE, CA 94005 2 BRIS

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COVER SHEET

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MPLIANCE							NRCC-ELC-E
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irisbane Public Pool							(Page 1 of 5)
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cratica frinci		tichana		0.2	Climate Zone		3
eraceine (rruß)				03	Occupancy Types Within	Project:	All Other Occupancies
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	hat one within	the scope of the per	mit application.				
02	- 03	04	05		06		07
Scope of Work ¹	Rating ² (NO	Utility Provided Metering System Exception to 130.5(a)/ 160.6(a) ⁰	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)		Demand Response	: Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
New electrical service equipment and meter	435	80	0	which are least on demand Section mecha	capable of receiving and as e standards based message i response after receiving is s 120.2/ 160.3, 130.1/ 160 nicel, indoor lighting, and is nice documents will indical	nomatically responding to ng protocol which enable demand response signal, 5, and 130.3/ 160.5, and ligh lighting Certificate of a when demand response	s .
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C. COMPLIANCE RESULTS							Daniel Dane:		
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STATE OF CALIFORNIA
Electrical Power Distribution
CERTIFICATE OF COMPLIANCE
Project Name: Bristane Public Pool

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE There are no forms required for this project.

CA Building Energy Efficiency Standards - 2022 Norresidential Compliance

	F COMPLIANCE									N	RCC-
Project Name:	Bristiane Public					Report Pa	na:				Page
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(Page 4 of 5)	Project Name: Bristone Public Pool	Report Page:
(Page 4 or 5) 14-02-07T16:51:03-05:00	Project Address: 2 SQLANO DRIVE, BRISBANE CA 94005	Date Prepared:
9-02-07118:513:03-053:00	Project Address: 2 3000/00 DRIVE, BRISBANIE DA 94005	Lutte Prepared:
	DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
	I certify that this Certificate of Compliance document/tion is accurate a	nd complete.
Schlon, Select "ettachyr"	Stephen Shaffer	Stephen Shap
	Company: Cultifornia Electrical Design	Signature Date: 09/28/2024
	3440 VINCENT RD. STE C	CSA/ MERS-Contification (dentification (if sophistics)
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STATE OF CALIFORNIA				
Electrical Power Distribution		CALIFORNIA ENERGY COMMISSION		
CERTIFICATE OF COMPLIANCE		NRCC-FLC-F		
Project Name: Brisbane Public Pool	Report Page:	(Page 5 of 5)		
Project Address: 2 SOLANO DRIVE, BRISBANE CA 94005	Date Prepared:	2024-02-07T18-51:03-06:00		
- Indianasia	page 1 repaired	2021-02-01-1-00-1-00-00-00-00-00-00-00-00-00-00		
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT				
I certify that this Certificate of Compliance document/tion is accurate an	d complete.			
Documentation Author Name	Documentation Author Signature	11 11		
Stephen Shaffer	Stephen 6	Chaffer		
Company	Signature Date:			
California Electrical Design Assert STE C	05/28/2024			
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RESPONSIBLE PERSON'S DECLARATION STATEMENT	22701-077	_		
a cartify the following under penalty of perjury, under the laws of the State of California				
 The information provided on this Certificate of Complance is true and correct. 				
2. If am eligible under Division B of the Business and Phifessions Code to accept responsibility				
 The energy features and performance specifications, noterials, components, and manufa of Title 24, Part 1 and Part 6 of the California Code of Regulation. 	stured devices for the building design or system design if	entified on this Certificate of Compliance conform to the requirements		
The building design features or system design features identified on this Certificate of Cort	national are consistent with the information provided on	other applicable compliance documents, worksheets, calculations,		
plans and specifications submitted to the enforcement agency for approval with this built				
 I will ensure that a completed signed copy of this CoOfficate of Compliance shall be made impections, I understand that a completed signed copy of this Cortificate of Compliance. 	available with the building permittic bound or the building permitting bound or the building permitting bounds on the building permitting the building permitted permitt	ng, and made available to the enforcement agency for all applicable lifer associate to the building mener at accumency		
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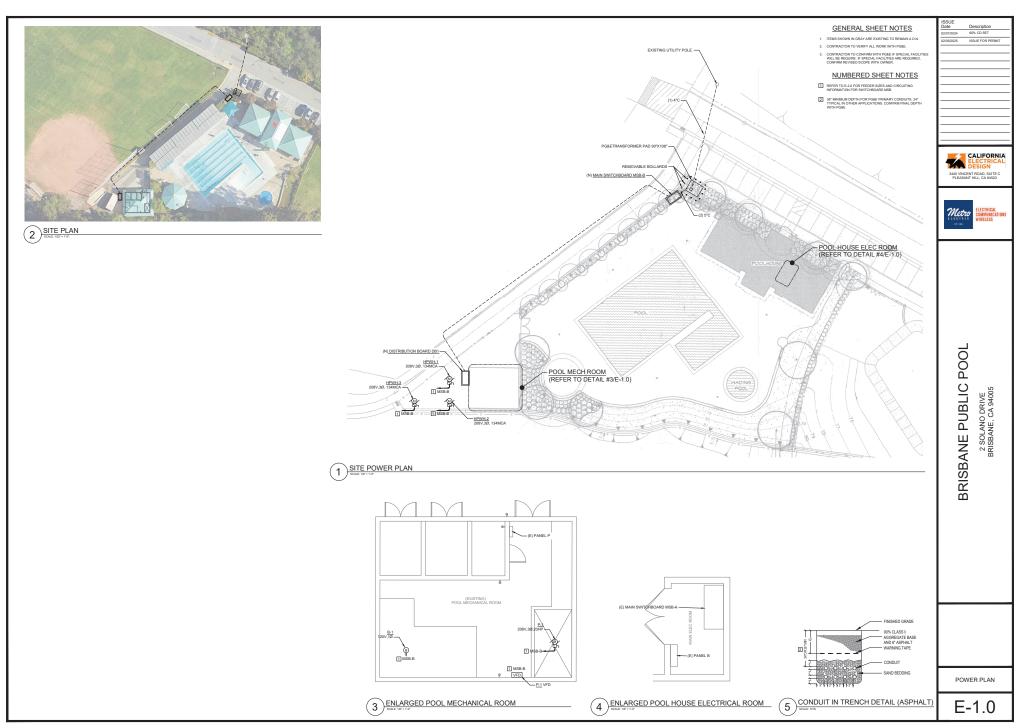
VOLTAGE DROP CALCULATIONS									
LOAD	CIRCUIT BREAKER	WIRE SIZE (AWG)	MAXIMUM BRANCH CIRCUIT LENGTH (FT)						
(KVA)	(AMPS)		120V	208V	277V	480V			
		#12 CU	55'-0"	95'-0"	125'-0"	220'-0"			
< 1.92 (16A)	20	#10 CU	85'-0"	150'-0"	200'-0"	345'-0"			
1.92 (10A)	20	#8 CU	135'-0"	240'-0"	320'-0"	555'-0"			
		#6 CU	220'-0"	380'-0"	505'-0"	880'-0"			
		#12 CU	70'-0"	125'-0"	165'-0"	290'-0"			
< 1.44 (12A)	20	#10 CU	115'-0"	200'-0"	265'-0"	465'-0"			
< 1.44 (12A)		#8 CU	185'-0"	320'-0"	425'-0"	750'-0"			
		#6 CU	290'-0"	510'-0"	675'-0"	1,175'-0'			
		#12 CU	95'-0"	165'-0"	225'-0"	390'-0"			
< 1.08 (9A)	20	#10 CU	155'-0"	265'-0"	355'-0"	620'-0"			
		#8 CU	245'-0"	425'-0"	570'-0"	985'-0"			
< 0.72 (6A)		#12 CU	145'-0"	250'-0"	335'-0"	585'-0"			
	20	#10 CU	230'-0"	400'-0"	535'-0"	930'-0"			
		#8 CU	370'-0"	640'-0"	855'-0"	1,480'-0'			

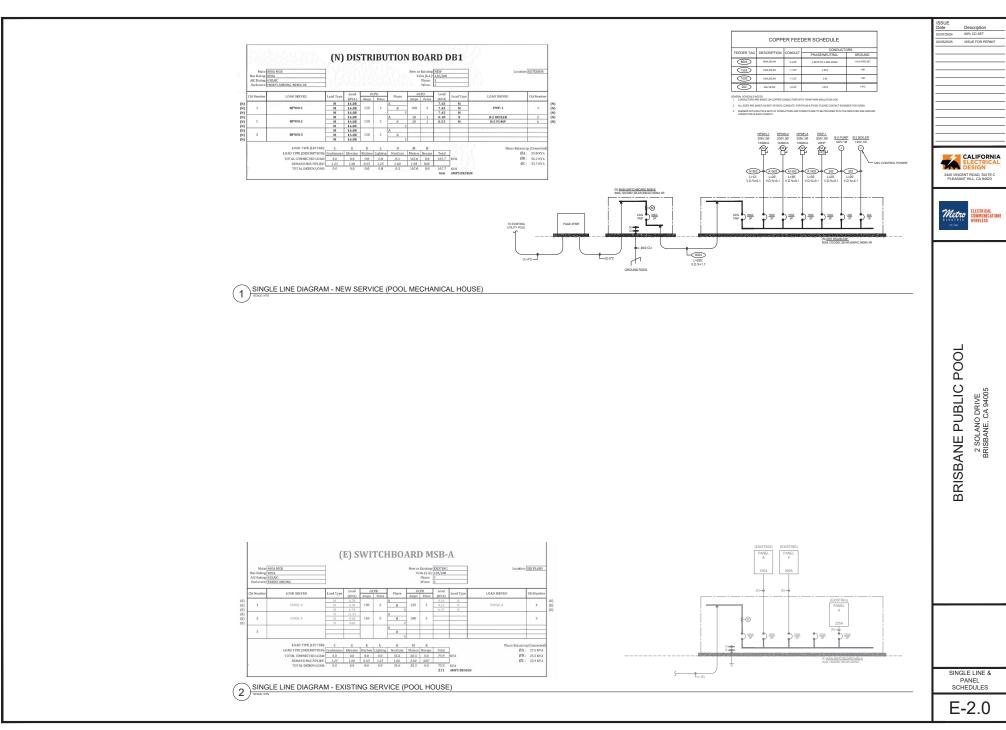
TITLE 24

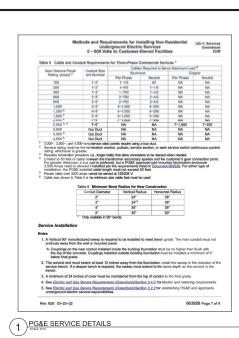
BRISBANE PUBLIC POOL

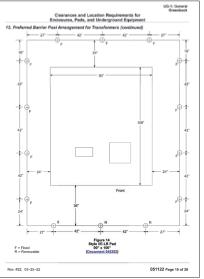
2 SOLANO DRIVE BRISBANE, CA 94005

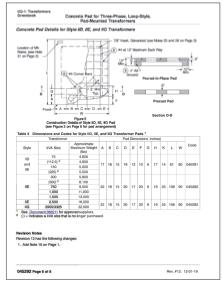
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CALIFORNIA

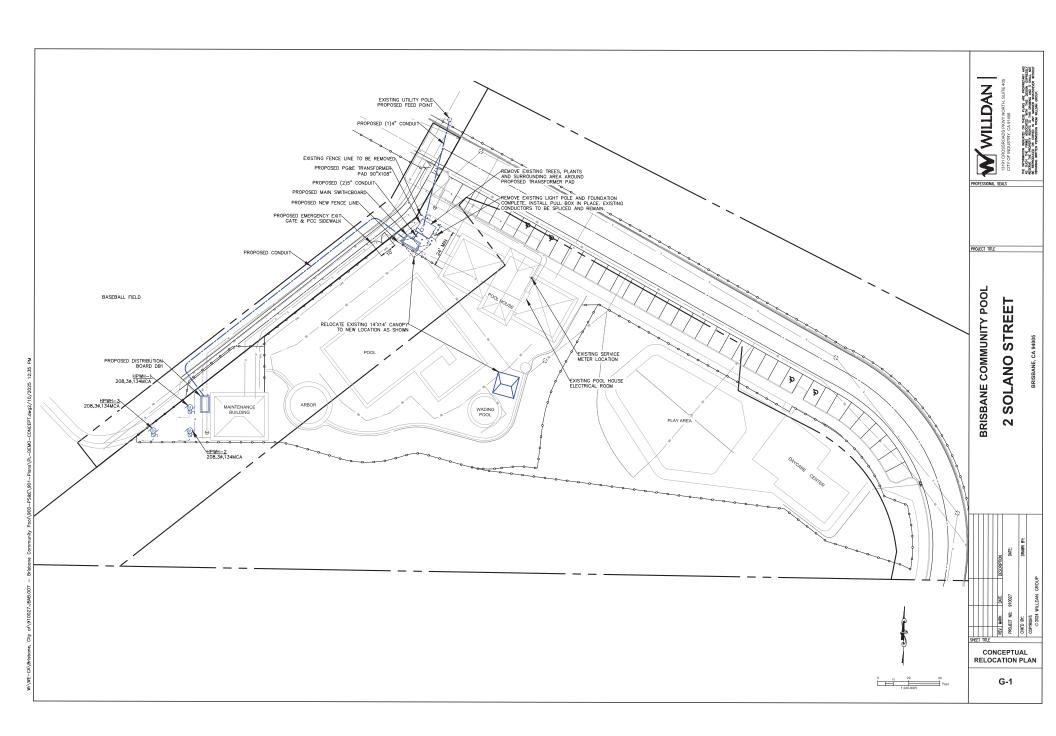




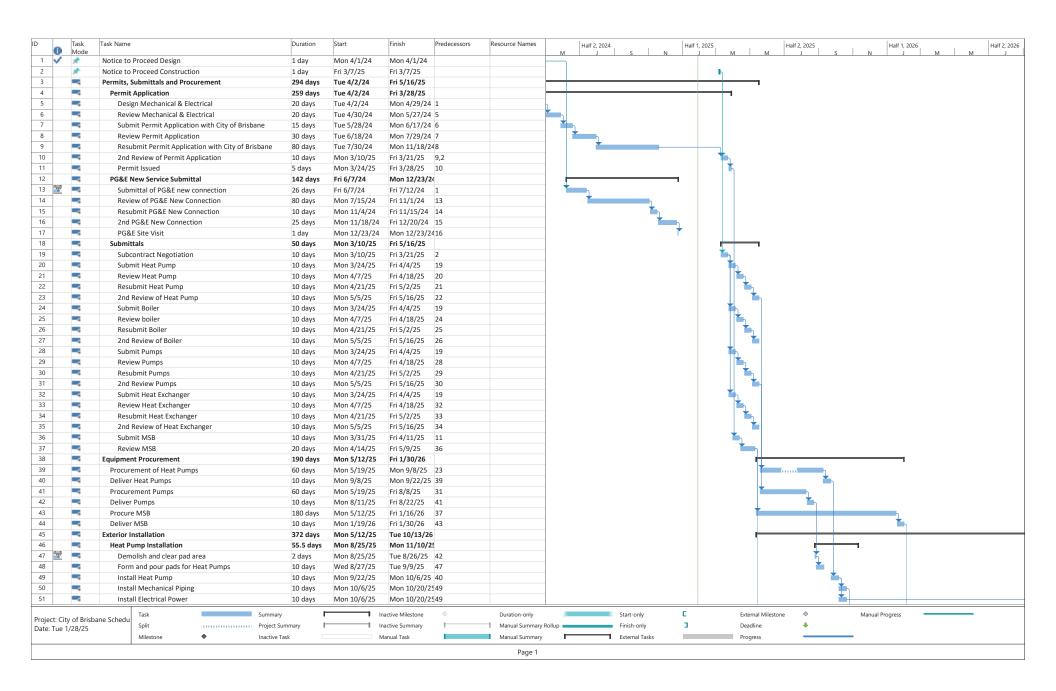
BRISBANE PUBLIC POOL 2 SOLANO DRIVE BRISBANE, CA 94005

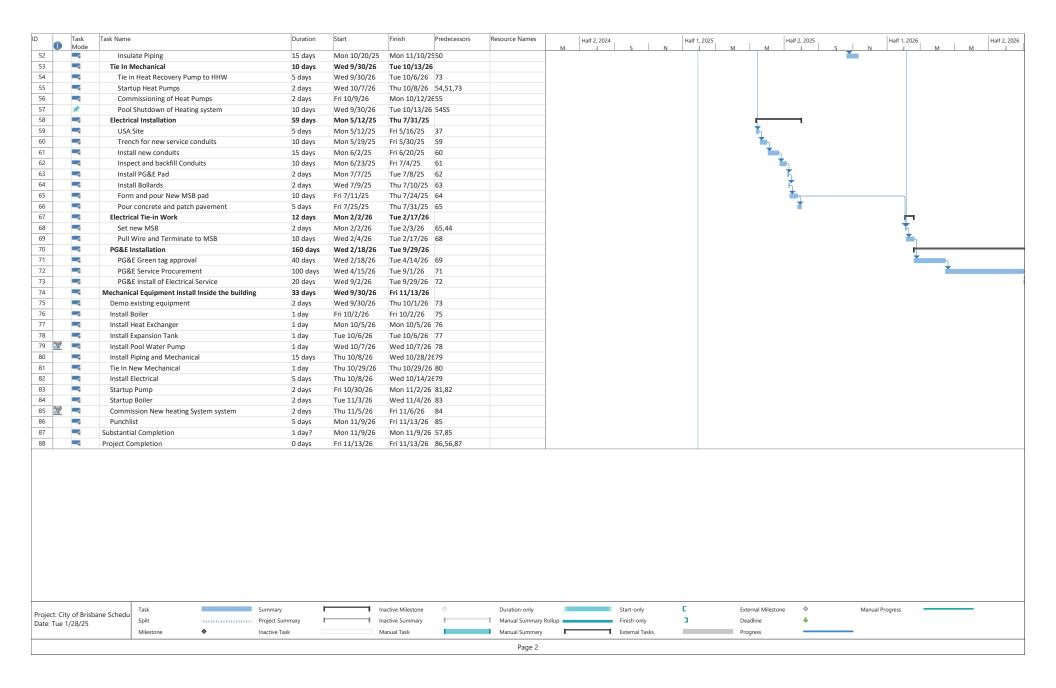
DETAILS

E-3.0



ATTACHMENT 1.C – CONSTRUCTION SCHEDULE





ATTACHMENT 1.D – COMMENT LOG

Document	Page No.	Reference / Location	Commenter	Comment/Question	Response
Exhibit 1 - Design Build Amendment	1 of 24	Exhibit 1 comment on Item 3, Contract Time	Karen Kinser	Text currently reads: "Weather disruptions, availability of necessary equipment, remediation of hazardous materials, and other delays beyond the control of WES shall not count toward the construction timeframe." This one is interesting because they don't need 616 calendar days to construct. so they already have a certain time built in for materials. Maybe it could say beyond the time alloted in the schedule for material procurement. And we should have their schedule as part of the contract.	Changed text to "Weather disruptions, availability of necessary equipment beyond the time allotted for material procurement, remediation of hazardous materials and other delays beyond the control of WES shall not count toward the construction timeframe." Included Schedule as attachment to D/B Amendment.
Exhibit 1 - Design Build Amendment	1 of 24	Exhibit 1 comment on Item 4, Information Upon Which Amendment is Based		Checking with City Attorney if we need to include drawings in Council packet, suggesting language change to "Scope of Work and Drawings furnished by WES and to be approved by City Engineer, whose approval shall note be unreasonably withheld". Also, reference city Utility Spec Template here? And schedule per Karen's comment above.	Added City of Brisbane Utility Specifications and Schedule to 4. Information Upon Which Amendment is Based.
Attachment 1.A - Scope of Work	4 of 24	Third paragraph	Adrienne Etherton	Cut sentence "In addition, at the City's request, this scope also includes upgrading the electrical infrastructure at the project site to accommodate future EV charging station installations."	Deleted.
Attachment 1.A - Scope of Work	4 of 24	Intro Scope of Work paragraph		Incorporate commitment that Willdan and subcontractors will comply with STW (PCC § 22164(c)(1)) requirements and entirety of PCC §2600-2603.	Language added
Attachment 1.A - Scope of Work	4 of 24	Design Scope	Karen Kinser	Some minor details are left out of this scope here and there. Suggest adding a catch-all statement that Willdan will provide a complete and functioning improvement, regardless of whether minor details aren't mentioned in the scope	Added sentence: "Willdan will provide a complete and functioning improvement, regardless of whether minor details aren't mentioned in the scope."
Attachment 1.A - Scope of Work	5 of 24	Design Scope - New Installation Work, Electrical	Adrienne Etherton	Currently reads "Cost is predicated on PG&E allowing the power to be connected to the closest power pole to the new utility transformer." Rephrase to indicate new PG&E pole adjacent to closest existing power pole per PG&E design	Added sentence: "Cost is predicated on PG&E allowing the power to be connected to a new PG&E pole adjacent to the closest existing power pole, per PG&E design."
Attachment 1.A - Scope of Work	6 of 24	Design Scope - New Installation Work, Civil, Asphalt Demolition & Trenching:	Adrienne Etherton	Text currently reads "Includes trench plates Solano road but not the entire utility trench." Trench in driveway needs to be plated as well. Also in Lipman fieldfield is used outside of organized sports as well. It needs to be secured. Can't think of another way, unless you backfill each day and cover/protect the bit you'll start from the next day	Modified language to reflect Dryco's commitment to include trench plating in driveway and plywood cover in Lipman field, as well as caution tape and barricades to mark work area.
Attachment 1.A - Scope of Work	6 of 24	Design Scope - New Installation Work, Civil, Trenching & Backfill in Landscaping	Adrienne Etherton	Text currently reads "Excludes any repairs to existing grass or landscape." We explicitly said to include this.	ACCO indicated they are planning on re-filling the trench with the soil/grass initially removed. Removed sentence.
Attachment 1.A - Scope of Work	6 of 24	Design Scope - New Installation Work, Civil, Concrete Pads	Karen Kinser	Greg generally says 6 sack concrete, and what is the rebar size?	Noted, details will be provided with drawing plan set provided to Building Department for permit. Will comply with PG&E Greenbook Standards.
Attachment 1.A - Scope of Work	6 of 24	Design Scope - New Installation Work, Civil, Fencing and Canopy Removal	Adrienne Etherton	Text currently reads "Cut and remove existing canopy structure where new concrete pad will be located." Rather than remove, change to "relocate at on-site location to be confirmed by City staff"	Canopy to be relocated above baby pool. Basic relocation is included in scope and pricing, with caveat that any work requiring a Structural Engineer will need a change order.
Attachment 1.A - Scope of Work	7 of 24	Design Scope - Exclusions	Adrienne Etherton	Text currently reads "PG&E required rework after PG&E inspections." How about they can exclude something if PG&E asks for something not in their standards, the PG&E Greenbook? 26 of 51	Changed to "PG&E required work beyond standards indicated in PG&E Greenbook"

Document	Page No.	Reference / Location	Commenter	Comment/Question	Response
Attachment 1.A - Scope of Work	7 of 24	Design Scope - Exclusions	Karen Kinser	Text currently reads "Work outside of normal business hours: Monday – Friday, 7:00am – 3:30pm." Thought we decided 8 am to 5 pm for work near residences	Changed to from 8am - 5pm.
Attachment 1.A - Scope of Work	7 of 24	Design Scope - Exclusions	Adrienne Etherton	Highlighted following bullets, not clear why: - Installation of relocated canopy. - Landscaping and irrigation modifications that are not associated with this scope. - Tree removal or replanting of any removed trees. - Installation of lap pool recirculation pump with VFD.	Removed canopy relocation exclusion. Removed tree removal exclusion. Revised Demolition/Civil section to clearly indicate inclusion of removal of trees and plants as necessary, as well as lightpole.
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Exclusions	Karen Kinser	Text currently reads: " Excludes traffic control as no plan was provided." They'll need traffic control for trench in street	ACCO confirmed that Dryco's pricing includes traffic control (cone safety and traffic flagger) as necessary for the trench in the street, will obtain no-cost Encroachment Permit. Modified language to Civil scope to reflect. Removed exclusion.
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications	Adrienne Etherton	Text currently reads: "Work is to be performed during standard business hours: Monday – Friday, 8:00am – 4:00pm.". Inconsistent with hours listed above.	Noted, will change to from 8am - 5pm.
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications	Karen Kinser	Text currently reads: "The design is based on the current code cycle for 2024 (see drawings). Any delay in the project may result in a change order to implement new code requirements." Once they have a permit in hand, they wouldn't be subjected to new codes	Confirmed
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications		Text currently reads "The customer will arrange for the contractors to have required and unescorted site access to and from the work areas to prevent multiple mobilizations." Where do we expect Willdan and subcontracter employees to park vehicles? And are we concerned? Maybe a question for Greg. Do they need a laydown area for equipment and materials? We might want a general statement about this or I guess it's probably covered in the boiler plate specs. Sample below from Caltrans standards "The project areas shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the streets or areas, or allow others to occupy the streets or areas, for purposes which are not necessary to perform the required work. The area for Contractor use shall be provided by the Engineer during the preconstruction meeting. Potential lay down areas include the vacant parking lot on Old County Road or in the yard south of the fire station on Bayshore Blvd Should the Contractor cause damage to the site, all corrective measures shall be done promptly at no cost to the City. Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders.	Incorporated Caltrans language + No parking of employee vehicles, equipment or storage of materials on Solano Street without approval from the City.

Document	Page No.	Reference / Location	Commenter	Comment/Question	Response
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications	Adrienne Etherton	Text currently reads "Willdan assumes the city of Brisbane will assist having the Pool Chemical company onsite to ensure all water testing and chemical treatment Is completed. Any significant delay may cause warranty concerns." Confirm just pool water going through HX not secondary chemical. If pool water, this is fine.	Just pool water, no secondary chemical.
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications	Karen Kinser	Text currently reads "This scope includes one month of storage should job be delayed by customer beyond one month additional storage fees may be applicable." Could menion for this that we have a locked, fenced laydown yard available. Downside for them is that it would require an additional move of the equipment and it's not indoors (not sure if the indoors part matters or not).	Removed clarification.
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications	Adrienne Etherton	Text currently reads "Submittals of proposed new equipment will be provided for review and approval prior to release." Prior to ordering. What does release mean?	"Release" means release the order to the vendor to manufacture the requested equipment.
Attachment 1.A - Scope of Work	8 of 24	Design Scope - Clarifications	Adrienne Etherton	Text currently reads "- Detailing and coordination between trades, as required. - Completion of Title-24 paperwork during commissioning. - Start-up reports. - Perform cleanup and punch list. - Perform Inspection of completed work. - Provide equipment labels." I assume this means these things are included, but it's not written clearly/explicitly	Yes these are included in our scope. Language clarified in SOW.
Attachment 1.B Drawings	9 of 24	Cover Page	Adrienne Etherton	Cover sheet that includes all drawings included? (This is misleading since it only has M drawings, not E). Also, why do we not have any Civil drawings or site plans showing the relocation of the fencing, etc?	Cover sheet revised and civil drawing (G-1 Conceptual Relocation Plan) added.
Attachment 1.B Drawings	11 of 24	Abbreviation List	Adrienne Etherton	HP and HPWH are not on the Abbreviations list	Added to abbreviations list.
Attachment 1.B Drawings	12 of 24	Tag DP-1	Adrienne Etherton	is this the pump that we had to replace a year or something ago? didn't we size it so it could accomodate the greater head needs and therefore doesn't need to be demo-ed and replaced by PWP-1? If so, how does that impact cost?	Checked with ACCO. Yes, this has been replaced, changes are already reflected in price.
Attachment 1.B Drawings	12 of 24	Title Block	Adrienne Etherton	thought these were supposed to be construction drawings? (also note typo in "Construciton")	Labeled plans "Draft subject to review and approval by City Engineer and building staff".
Attachment 1.B Drawings	13 of 24	M1.01	Adrienne Etherton	drawing C is rotated 90 degrees from drawings A & B, please align consistently	Will be corrected on 100% construction drawing set.
Attachment 1.B Drawings	13 of24	Pool Equipment Room Mechanical Demo Plan	Adrienne Etherton	Demo Solar HX if there is contingency money left at the end	ACCO confirmed they can accommodate this request.
Attachment 1.B Drawings	14 of 24	Lap Pool Piping Diagram	Adrienne Etherton	CPVC PWS & CPVC PWR are not on Abbreviations list. Please clarify what that is and why we are using it.	Added to abbreviations list.
Attachment 1.B Drawings	17 of 24	Site Power Plan	Adrienne Etherton	how will the conduit go through the concrete retaining wall?	ACCO indicates there Is no need to go through the retaining wall. All work will be below grade. If any conduits or pipes were to go trough concrete walls a Link Seal would be used.
Attachment 1.B Drawings	17 of 24	Site Power Plan	Adrienne Etherton	this has been confirmed with PG&E / Greenbook? I know they said 16'x20' but that was total clearance.	Design is in accordance with page E-3.0 PGE Pad details per Greenbook.
Attachment 1.B Drawings	17 of 24	Conduit in Trench Detail	Adrienne Etherton	replace with 90% Class II Aggregate Base, recycled is acceptable, and 6" topsoil. Karen Kinser added "if this stays in the grass area" 28 of 51	Changed backfill to "90% Class II Aggregate Base and 6" asphalt". Changed title to "Conduit in Trench Detail (Asphalt)". Second detail will be added for trenching through grass on 100% construction drawing set.

Document	Page No.	Reference / Location	Commenter	Comment/Question	Response
Attachment 1.C Comment Log		Row 2	Adrienne Etherton	so is there no longer any allowance? There was one in the email sent with this amendment of \$126,979. I expect we do need to account for the cost of canopy reinstallation, as well as the removal/replacement of trees and other landscaping work, including irrigation (if	Allowance removed. Cost of canopy reinstallation, removal of trees and plants as necessary, and backfiling trench in Lipman field with native material that was stockpiled onsite and restored to prior condition are included in price and scope of work.

DESIGN-BUILD CONTRACT

This Design-Build Contract (the "Contract") is made and entered into as of this 25th day of July, 2022, between the Design-Builder: Willdan Energy Solutions ("WES"), and the City of Brisbane, California ("Customer"), for the purpose of installing certain improvements on the Customer's property and buildings (the "Premises") described in SCHEDULE A (SCOPE OF WORK).

RECITALS

WHEREAS, Customer desires to retain WES to purchase and install certain equipment of the type or class described in SCHEDULE A (SCOPE OF WORK), attached hereto and made part hereof; and

WHEREAS, WES is willing to perform Design and Preconstruction Phase Services as described in SCHEDULE A.2 (DESIGN AND PRECONSTRUCTION SERVICES) but at the conclusion of the Design and Preconstruction Phase, WES, at its sole option, may elect not to proceed with services described in SCHEDULE A.3 (CONSTRUCTION PHASE).

WHEREAS, Customer is authorized under the Constitution and the laws of the State of California to enter into this Contract for the purposes set forth herein.

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, and intending to be legally bound hereby, Customer and WES hereto covenant and agree as follows:

SECTION 1 DESIGN-BUILD DOCUMENTS

- Section 1.1 The Design-Build Documents consist of this Agreement between Customer and WES and its attached Schedules and Exhibits (hereinafter, the "Contract"); other documents listed in this Agreement; and Modifications issued after execution of this Agreement. A Modification is (1) a written amendment to the Contract signed by both parties, including the Design-Build Amendment, (2) a Change Order, (3) a Change Directive, or (4) a written order for a minor change in the Work issued by the Customer.
- Section 1.2 The Design-Build Documents form the Contract. The Contract represents the entire and integrated agreement between the parties and supersedes prior negotiations, representations or agreements, either written or oral. The Contract may be amended or modified only by a Modification. The Design-Build Documents shall not be construed to create a contractual relationship of any kind between any persons or entities other than the Customer and WES.
- Section 1.3 Attachments, Schedules, Exhibits and Appendices: WES has prepared and Customer has approved and accepted the Schedules as set forth below, copies of which are attached hereto and made parts of this Contract by reference.

Schedules

SCHEDULE A. SCOPE OF WORK

SCHEDULE B. COMPENSATION TO WES

SCHEDULE C. ADDITIONAL RESPONSIBILITIES

Exhibits

EXHIBIT 1. DESIGN-BUILD AMENDMENT

EXHIBIT 2. CERTIFICATE OF ACCEPTANCE – PROJECT COMPLETION

EXHIBIT 3. SUPPLEMENTAL AND OTHER CONDITIONS OF THE DESIGN AND PRE-CONSTRUCTION PHASE SERVICES

SECTION 2 THE WORK OF THE DESIGN-BUILD CONTRACT

- Section 2.1 The term "Work" means the design, construction and related services required to fulfill WES's obligations under the Design-Build Documents, whether completed or partially completed, and includes all labor, materials, equipment and services provided or to be provided by WES.
- Section 2.2 WES shall fully execute the Work described in the Design-Build Documents, except to the extent specifically indicated in the Design-Build Documents to be the responsibility of others.
- Section 2.3 WES shall perform all Work through Contractors or through the WES's own forces.
- Section 2.4 WES shall perform the Work in compliance with applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities in affect at the time of Contract or Amendment execution as applicable. If WES



performs Work contrary to applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities, WES shall assume responsibility for such Work and shall bear the costs attributable to correction.

SECTION 3 PHASES OF THE WORK

- Section 3.1 Work shall be performed in two phases: The Design and Pre-Construction Phase and the Construction Phase as outlined in SCHEDULE A (SCOPE OF WORK). WES will commence work for the Design Pre-Construction Phase upon execution of this Design-Build Agreement. The Construction Phase will commence at the conclusion of the Design and Pre-Construction Phase upon the execution of EXHIBIT 1 (DESIGN-BUILD AMENDMENT).
- Section 3.2 The Scope of Work and Fee for each phase is defined in SCHEDULE A (SCOPE OF WORK) and SCHEDULE B (COMPENSATION TO WES) respectively.

SECTION 4 COMMENCEMENT DATE AND TERMS

- Section 4.1 Commencement Date: The effective date of this agreement is the date of agreement's last signature.
- Section 4.2 Construction and Installation Period: The Construction and Installation Period will be a term set forth in the Design-Build Amendment.
- Section 4.3 Weather disruptions, availability of necessary equipment, remediation of hazardous materials, and other delays beyond the control of WES shall not count toward the Construction and Installation Period.

SECTION 5 CONTRACT SUM

Section 5.1 The Contract Sum is the amount to be paid to WES for the performance of the Work. This amount includes a Stipulated Sum for the Design and Pre-Construction Phase services and a Stipulated Sum for the Construction Phase as identified in SCHEDULE B (COMPENSATION TO WES).

SECTION 6 PAYMENTS TO WES

- Section 6.1 WES Compensation and Fees: WES's fees and compensation are set forth in SCHEDULE B (COMPENSATION TO WES).
- Section 6.2 Billing Information Procedure: Payments due to WES shall be calculated each month and paid in accordance with SCHEDULE B (COMPENSATION TO WES).
- Section 6.3 Payment: Customer shall pay WES within 30 days of receipt of WES's application for payment.
- Section 6.4 Effective Date of Payment Obligation: See SCHEDULE B (COMPENSATION TO WES).

SECTION 7 FISCAL FUNDING

Section 7.1 Non-appropriation of Funds: In the event no Customer or other funds or insufficient Customer or other funds are appropriated and budgeted, and funds are otherwise unavailable by any means whatsoever in any fiscal period for which payments are due WES under this Contract, then the Customer will, not less than 30 days prior to the end of such applicable fiscal period, in writing, notify WES of such occurrence and this Contract shall terminate on the last day of the fiscal period for which appropriations were made without penalty or expense to the Customer of any kind whatsoever, except as to the portions of payments herein agreed upon for which Customer and/or other funds shall have been appropriated and budgeted or are otherwise available.

SECTION 8 CONSTRUCTION SCHEDULE AND EQUIPMENT INSTALLATION; APPROVAL

- Section 8.1 Construction Schedule: Construction and equipment installation shall proceed in accordance with the construction period in SECTION 4 (COMMENCEMENT DATE AND TERMS). A detailed schedule of construction will be submitted to Customer following Commencement of the Design-Build Amendment. This schedule will be updated regularly to reflect ongoing progress on the Project.
- Section 8.2 Systems Startup: WES shall provide startup of the installed equipment in accordance with any procedures specified in SCHEDULE C and prior to acceptance of the project by Customer. WES shall provide notice to the Customer of any scheduled test(s) and the Customer and/or its designees shall have the right to be present at any or all such tests conducted by WES and/or manufacturers of the equipment.

SECTION 9 EOUIPMENT WARRANTIES

Section 9.1 WES covenants and agrees that all equipment installed as part of this Contract is new, in good and proper working condition and protected by appropriate written warranties covering all parts and equipment performance. WES further agrees to deliver warranty documentation to Customer for inspection and approval; to pursue rights and remedies

against manufacturer and supplier of the equipment under the warranties in the event of equipment malfunction or improper or defective function, and defects in parts, workmanship and performance, to notify the Customer whenever defects in equipment parts or performance occur which give rise to such rights and remedies and those rights and remedies are exercised by WES. The cost of any risk of damage or damage to the equipment and its performance, including damage to property and equipment of the Customer or the Premises, due to WES's failure to exercise its warranty rights shall be borne solely by WES.

- Section 9.2 All warranties shall be transferable and extend to the Customer. The warranties shall specify that only new, and not reconditioned parts, may be used and installed when repair is necessitated by malfunction.
- Section 9.3 All warranties required hereunder shall be in force for a minimum of one year from the commencement date as defined in Section 4.1 hereof.
- Section 9.4 Notwithstanding the above, nothing in this Section shall be construed to alleviate/relieve WES from complying with its obligations to perform under all terms and conditions of this Contract and as set forth in all attached Schedules.

SECTION 10 TRAINING BY WES

Section 10.1 Any training provided by WES shall be as described in SCHEDULE C hereto. The training specified in SCHEDULE C must be completed prior to acceptance of the equipment installation.

SECTION 11 PERMITS AND APPROVALS; COORDINATION

- Section 11.1 Permits and Approvals: Customer shall use its best efforts to assist WES in obtaining all necessary permits and approvals for installation of the Equipment. In no event shall Customer, however, be responsible for payment of any permit fees. The equipment and the operation of the equipment by WES shall at all times conform to all federal, state and local code requirements. WES shall furnish copies of each permit or license which is required to perform the work to the Customer before WES commences the portion of the work requiring such permit or license.
- Section 11.2 Coordination During Installation: The Customer and WES shall coordinate the activities of WES's equipment installers with those of the Customer, its employees, and agents. WES shall not commit or permit any act which will interfere with the performance of business activities conducted by the Customer or its employees without prior written approval of the Customer. Customer will require a minimum of two weeks' notice before any shutdown of facilities to facilitate the tie-in of new equipment.

SECTION 12 PERFORMANCE BY WES

- Section 12.1 WES shall perform all tasks/phases under the Contract, including construction, and install the Equipment in such a manner so as not to harm the structural integrity of the buildings or their operating systems. WES shall repair and restore to its original condition any area of damage caused by WES's performance under this Contract. The Customer reserves the right to review the work performed by WES and to direct WES to take certain corrective action if, in the opinion of both parties, the structural integrity of the Premises or its operating system is or will be harmed. All costs associated with such corrective action to damage caused by WES's performance of the work shall be borne by WES.
- Section 12.2 WES shall remain responsible for the professional and technical accuracy of all services performed, whether by WES or its subcontractors or others on its behalf, throughout the term of this Contract.

SECTION 13 OWNERSHIP

- Section 13.1 Ownership of Certain Proprietary Property Rights: Customer shall not, by virtue of this Contract, acquire any interest in any formulas, patterns, devices, secret inventions or processes, copyrights, patents, other intellectual or proprietary rights, or similar items of property which are or may be used in connection with the Equipment. WES shall grant to the Customer a perpetual, irrevocable royalty-free license for any and all software or other intellectual property rights necessary for the Customer to continue to operate, maintain, and repair the equipment.
- Section 13.2 Ownership of Existing Equipment: Ownership of the equipment and materials presently existing at the Premises at the time of execution of this Contract shall remain the property of the Customer even if it is replaced or its operation made unnecessary by work performed by WES pursuant to this Contract. If applicable, WES shall advise the Customer in writing of all equipment and materials to be replaced at the Premises and the Customer shall within 30 days designate in writing to WES which equipment and materials should not be disposed of off-site by WES. It is understood and agreed to by both Parties that the Customer shall be responsible for and designate the location and storage for any equipment and materials that should not be disposed of off-site. WES shall be responsible for the disposal of all equipment and materials designated by the Customer as disposable off-site in accordance with all applicable laws and regulations regarding such disposal.

Section 13.3 New Equipment: All new equipment or materials supplied to the Customer shall become the property of the Customer.

SECTION 14 LOCATION AND ACCESS

Section 14.1 The physical address of the property as related to the scope of work under this contract is:

Brisbane Community Pool Facility 2 Solano Street Brisbane, CA 94005

Section 14.2 Customer shall provide sufficient space on the Premises for the installation and operation of the Equipment and shall take reasonable steps to protect such Equipment from harm, theft and misuse. Customer shall provide access to the Premises for WES to perform any function related to this Contract during regular business hours, or such other reasonable hours as may be requested by WES and acceptable to the Customer. WES's access to Premises to make emergency repairs or corrections as it may determine are needed shall not be unreasonably restricted by the Customer.

SECTION 15 INDEMNIFICATION

- Section 15.1 WES shall be responsible for (i) any damage to the Equipment or other property on the Premises and (ii) any personal injury where such damage or injury occurs as a result and to the extent of WES's negligence or other wrongful conduct in its performance under this Contract.
- Section 15.2 WES shall save and hold harmless Customer and its officers, agents and employees or any of them from any and all claims, demands, actions or liability of any nature based upon or arising out of WES's negligence or other wrongful conduct in any services performed by WES, its agents or employees under this Contract.

SECTION 16 CONDITIONS BEYOND CONTROL OF THE PARTIES

Section 16.1 If a party ("performing party") shall be unable to reasonably perform any of its obligations under this Contract due to acts of Nature, insurrections or riots, or similar events, this Contract shall at the other party's option (i) remain in effect but said performing party's obligations shall be suspended until the said events shall have ended; or, (ii) be terminated upon ten (10) days' notice to the performing party, in which event neither party shall have any further liability to the other.

SECTION 17 EVENTS OF DEFAULT

- Section 17.1 Events of Default by Customer: Each of the following events or conditions shall constitute an "Event of Default" by Customer:
 - (i) any failure by Customer to pay WES any sum due for a service and maintenance period of more than 30 days after written notification by WES that Customer is delinquent in making payment and provided that WES is not in default in its performance under the terms of this Contract; or
 - (ii) any other material failure by Customer to perform or comply with the terms and conditions of this Contract, including breach of any covenant contained herein, provided that such failure continues for thirty days after notice to Customer demanding that such failures to perform be cured or if such cure cannot be effected in thirty days, Customer shall be deemed to have cured default upon the commencement of a cure within thirty days and diligent subsequent completion thereof;
 - (iii) any representation or warranty furnished by Customer in this Contract which was false or misleading in any material respect when made.
- Section 17.2 Events of Default by WES: Each of the following events or conditions shall constitute an "Event of Default" by WES:
 - failure to furnish and install the Equipment and make it ready for use within the time specified by this Contract as set forth in SCHEDULE A (SCOPE OF WORK) and SECTION 4 (COMMENCEMENT DATE AND TERMS);
 - (ii) any failure by WES to perform or comply with the terms and conditions of this Contract, including breach of any covenant contained herein except that such failure, if corrected or cured within 30 days after written notice by the Customer to WES demanding that such failure to perform be cured, shall be deemed cured for purposes of this Contract;
 - (iii) any lien or encumbrance upon the equipment by any subcontractor, laborer or material man of WES;



(iv) the filing of a bankruptcy petition whether by WES or its creditors against WES which proceeding shall not have been dismissed within 30 days of its filing, or an involuntary assignment for the benefit of all creditors or the liquidation of WES;

SECTION 18 REMEDIES UPON DEFAULT

Section 18.1 Remedies upon Default: All disputes shall be submitted to the individuals listed in SECTION 29 (NOTICE) for resolution. In the event that a remedy acceptable to both Customer and WES cannot be found, either party may seek remedy as outlined in SECTION 19 (MEDIATION).

SECTION 19 MEDIATION

- Section 19.1 Any Claim arising out of or related to the Contract shall be subject to mediation as a condition precedent to arbitration or the institution of legal or equitable proceedings by either party.
- Section 19.2 The parties shall endeavor to resolve their Claims by mediation which, unless the parties mutually agree otherwise, shall be in accordance with the Construction Industry Mediation Rules of the American Arbitration Association currently in effect. Request for mediation shall be filed in writing with the other party to the Contract and with the American Arbitration Association. The request may be made concurrently with the filing of a demand for arbitration but, in such event, mediation shall proceed in advance of arbitration or legal or equitable proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order.
- Section 19.3 The parties shall share the mediator's fee and any filing fees equally.
- Section 19.4 The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon.
- Section 19.5 Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

SECTION 20 REPRESENTATIONS AND WARRANTIES

- Section 20.1 Each party warrants and represents to the other that:
 - (i) it has all requisite power, authority, licenses, permits, and franchises, corporate or otherwise, to execute and deliver this Contract and perform its obligations hereunder;
 - (ii) its execution, delivery, and performance of this Contract have been duly authorized by, or are in accordance with, its organic instruments, and this Contract has been duly executed and delivered for it by the signatories so authorized, and it constitutes its legal, valid, and binding obligation;
 - (iii) its execution, delivery, and performance of this Contract will not breach or violate, or constitute a default under any Contract, lease or instrument to which it is a party or by which it or its properties may be bound or affected: or
 - (iv) it has not received any notice, nor to the best of its knowledge is there pending or threatened any notice, of any violation of any applicable laws, ordinances, regulations, rules, decrees, awards, permits or orders which would materially and adversely affect its ability to perform hereunder.

SECTION 21 ADDITIONAL REPRESENTATIONS OF THE PARTIES

- Section 21.1 WES hereby warrants, represents and promises that:
 - it shall use qualified subcontractors and delegates, licensed and bonded in this state to perform the work so subcontracted or delegated pursuant to the terms hereof;
 - (ii) that it is financially solvent, able to pay its debts as they mature and possessed of sufficient working capital to complete the Work and perform its obligations under this Contract.

SECTION 22 COMPLIANCE WITH LAW AND STANDARD PRACTICES

Section 22.1 WES shall perform its obligations hereunder in compliance with any and all applicable federal, state, and local laws, rules, and regulations, in accordance with sound engineering and safety practices, and in compliance with any and all reasonable rules of Customer relative to the Premises. WES shall be responsible for obtaining all governmental permits, consents, and authorizations as may be required to perform its obligations hereunder.

SECTION 23 INDEPENDENT CAPACITY OF THE CONTRACTOR

Section 23.1 The parties hereto agree that WES, and any agents and employees of WES, in the performance of this Contract, shall act in an independent capacity and not as officers, employees, or agents of the Customer.

SECTION 24 NO WAIVER

Section 24.1 The failure of WES or Customer to insist upon the strict performance of the terms and conditions hereof shall not constitute or be construed as a waiver or relinquishment of either party's right to thereafter enforce the same in accordance with this Contract in the event of a continuing or subsequent default on the part of WES or Customer.

SECTION 25 SEVERABILITY

Section 25.1 In the event that any clause or provision of this Contract or any part thereof shall be declared invalid, void, or unenforceable by any court having jurisdiction, such invalidity shall not affect the validity or enforceability of the remaining portions of this Contract unless the result would be manifestly inequitable or unconscionable.

SECTION 26 COMPLETE CONTRACT

Section 26.1 This Contract, when executed, together with all Schedules attached hereto or to be attached hereto, as provided for by this Contract shall constitute the entire Contract between both parties and this Contract may not be amended, modified, or terminated except by a written Contract signed by the parties hereto.

SECTION 27 FURTHER DOCUMENTS

Section 27.1 The parties shall execute and deliver all documents and perform all further acts that may be reasonably necessary to effectuate the provisions of this Contract.

SECTION 28 APPLICABLE LAW

Section 28.1 This Contract and the construction and enforceability thereof shall be interpreted under the laws of the State of California.

SECTION 29 NOTICE

Section 29.1 Any notice required or permitted hereunder shall be deemed sufficient if given in writing and delivered personally or sent by registered or certified mail, return receipt requested, postage prepaid, or delivered to a nationally recognized express mail service, charges prepaid, receipt obtained, to the address shown below or to such other persons or addresses as are specified by similar notice.

TO WES: TO CUSTOMER:

Willdan Energy Solutions
Attention: Micah Chen
Attention: Tom McMorrow
2401 E. Katella Ave, #300
Anaheim, CA 92806

City of Brisbane
Attention: Tom McMorrow
50 Park Place
Brisbane, CA 94005

SECTION 30 HEADINGS

Section 30.1 Headings and subtitles used throughout this Contract are for the purpose of convenience only, and no heading or subtitle shall modify or be used to interpret the text of any section.

SECTION 31 BONDS

Section 31.1 Any and all bonds obtained by WES for this project shall specifically exclude coverage for those portions of the Contract or the Work pertaining to design services and any other part of this Contract and the Contract Documents which do not relate specifically to construction management and supervision of Work for purchasing and installing of Equipment, or for work to be accomplished by the Customer.

SECTION 32 INSURANCE

- Section 32.1 WES shall procure and maintain in effect insurance coverage in amounts not less than the following.
 - Workers' Compensation and Employer's Liability Insurance with limits of not less than \$1,000,000 per occurrence.



- (ii) Commercial General Liability Insurance for personal and bodily injury, including death, and property damage with limits not less than \$2,000,000 combined single limit each occurrence and \$4,000,000 general aggregate.
- (iii) Automobile Liability Insurance for personal and bodily injury, including death and property damage in the amount of not less than \$1,000,000 per occurrence.
- (iv) Professional Liability Insurance for damages incurred by reason of any negligent act, error or omission committed by WES in performing professional services with limits of not less than \$1,000,000 per claim and \$2,000,000 annual aggregate.
- (v) Builders All-Risk Insurance: WES, at Customer's expense, shall maintain "All Risk Insurance" for all equipment, and property obtained by or for WES which is to become a part of the work while such equipment and property is stored at the jobsite, at temporary locations, or while in transit to the project from such temporary locations. WES shall also be responsible for insuring Subcontractor's owned, rented, or borrowed equipment.
- Section 32.2 WES will provide Customer with certificates of insurance evidencing coverage required above. Each certificate shall provide that the coverage shall not be canceled except with at least thirty days prior written notice to Customer, ten days' notice if cancellation is due to nonpayment of premium. Should this occur, WES shall procure and furnish to Customer prior to such effective date new certificates conforming to the above coverage requirement.

SECTION 33 TERMINATION

Section 33.1 WES shall have the right at any time by written notice to the Customer, to terminate this Agreement with or without cause. In the event of such a termination for convenience, WES shall be entitled to full payment pursuant to the terms of SCHEDULE A.2 (DESIGN AND PRECONSTRUCTION SERVICES) for all Design and Preconstruction Services performed as of the date of termination. CUSTOMER waives any claim for costs, fees, losses directly or indirectly related to services described in SCHEDULE A.3 (CONSTRUCTION PHASE) in the event WES exercises this clause. CUSTOMER shall have the right to terminate for cause by written notice to WES.

IN WITNESS WHEREOF, and intending to be legally bound, the parties hereto subscribe their names to this Contract by their duly authorized officers on the date last below written.

Willdan Energy Solutions (WES)

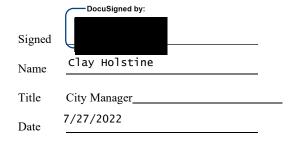
Name Anthony Sclafani_______

Title Vice President of Engineering______

Date 7/25/2022

California Contractors License No. 1065713

Willdan Energy Solutions 2401 E. Katella Ave, #300 Anaheim, CA 92806 City of Brisbane (Customer)



City of Brisbane 50 Park Place Brisbane, CA 94005

SCHEDULE A. SCOPE OF WORK

1. DESIGN-BUILD PROGRAM REQUIREMENTS:

- a) General Scope and Intent:
 - (1) Electrify the City of Brisbane's Community Pool ("Pool") heating system by installing heat pump heating equipment including site electrical upgrades ("new equipment") that may be required to accommodate the new equipment. The new equipment will be the primary heating source for the Pool, while the existing natural gas hot water heater will remain for supplemental heat when needed.
 - (2) Provide grading, paving and excavation services that may be required to install a new electrical system to accommodate the new equipment. Coordinate with PG&E, including for example preparation of a new service application, engineering field meetings, and installation of upgraded service. Provide a new concrete pad for new heat pump heating equipment. Excavation scope includes excavation with standard soil conditions, free of rock, debris, water, or any other item which would prolong or complicate the excavation process.
 - (3) Provide electrical and plumbing equipment, materials, and installation as required to install the new equipment as an operational system.
 - (4) Furnish and install an operable heat pump water heating system that achieves a level of service comparable to the existing natural gas heating system. It is understood and acknowledged by both Customer and WES that usage of the existing natural gas heating system may still be required after installation of the heat pump units; particularly during cold weather extremes (defined as times when the outdoor air temperature is 52°F or lower) or if the pool temperature setpoint exceeds 80°F.
 - (5) The target budget for the work is \$653,000. This includes the WES Contract Sum as well as any other costs or fees paid by Customer to entities other than WES.
- b) Scope Exclusions:
 - (1) Hazardous Materials Removal.
 - (2) Any work related to the Wading Pool.
 - (3) Environmental impact studies of any kind; including noise studies.
 - (4) Trenching by any means other than backhoe; for example, if excavation of hard rock is required.

2. DESIGN AND PRE-CONSTRUCTION PHASE SERVICES:

- a) General:
 - (1) WES shall progress the design and engineering of the proposed new equipment consistent with the Design-Build Program Requirements. WES shall also provide the Customer with recommendations, consistent with the Design-Build Program Requirements, on constructability; availability of materials and labor; time requirements for procurement, installation and construction; and factors related to construction cost including, but not limited to, costs of alternative designs or materials, preliminary budgets, and possible cost reductions.
- b) Engineering and Design: During the Design and Pre-Construction Phase Services phase, WES shall perform:
 - (1) Conceptual design required to develop the scope and project solution that meets Design-Build Program Requirements as identified in SCHEDULE A.1. Conceptual design is to be reviewed and accepted by Customer, as with material submittals
 - (2) Develop design that is sufficient to procure subcontractors and materials and develop the Contract Sum to be included in the Design-Build Amendment. Customer to review conceptual design before WES requests bids.
- c) Preparation of the Design-Build Amendment:
 - (1) When the Drawings and Specifications are sufficiently complete, WES shall prepare a Design-Build Amendment as outlined in Exhibit 1. This Amendment shall include:

- (a) Contract Sum
- (b) Contract Time
- (c) Construction Schedule
- (d) Information Upon Which Amendment is Based, including:
 - (i) Scope of Work
 - (ii) Drawings
 - (iii) Specifications
 - (iv) Supplementary and other Conditions of the Contract
 - (v) Deviations from the Design-Build Program Requirements as identified in SCHEDULE A.1.
- d) Supplemental and other Conditions of the Design and Pre-Construction Phase Services are attached as Exhibit 3. As used in that Exhibit, "City" is "Customer" and "WES" is "Consultant". If there are conflicts between the terms and conditions of the Design-Build Contract and the terms and conditions in Exhibit 3, the terms and conditions of Exhibit 3 shall prevail.

3. CONSTRUCTION PHASE:

- a) Construction Documents:
 - (1) As the Drawings and Specifications, while developed as described in Section 2 b) (2) above, may not be finished at the time the Design-Build Amendment is prepared, WES may provide, in the amendment, for further development of the Drawings and Specifications for construction. Such further development does not include such things as changes in scope, systems, kinds, and quality of materials, finishes or equipment, all of which, if required, shall be incorporated by Change Order.
- b) Design-Builder's Responsibility:
 - (1) WES shall supervise and direct the Work, using the WES's best skill and attention. WES shall be solely responsible for, and have control over, construction means, methods, techniques, sequences and procedures, and for coordinating all portions of the Work under the Contract, unless the Design-Build Documents give other specific instructions concerning these matters.
 - (2) WES shall be responsible for inspection of portions of Work already performed to determine that such portions are in proper condition to receive subsequent Work.
- c) Labor and Materials
 - (1) Unless otherwise provided in the Design-Build Documents, WES shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent, and whether or not incorporated or to be incorporated into the Work.
- d) Project Implementation Scope of Work:
 - (1) Final, more detailed scope of work will be specified in the Design-Build Amendment.

4. TIME:

a) WES and Customer will work together to develop construction schedules that minimize disruption to Customer operations while allowing for completion of Scope of Work in a timely fashion. All construction will be completed in accordance with SECTION 4 (COMMENCEMENT DATE AND TERMS).

SCHEDULE B. COMPENSATION TO WES

The Customer shall compensate and make payments to WES for both Design and Preconstruction Phase services and Construction Phase Services as follows:

- DESIGN AND PRECONSTRUCTION PHASE SERVICES. The Customer shall compensate and make payments to WES
 for Design and Preconstruction Phase services as follows:
 - a) Sum of \$66,785.00.
- 2. CONSTRUCTION PHASE SERVICES. For WES's performance of Construction, Customer shall pay WES the Contract Sum after the execution of the Design-Build Amendment. The Contract Sum shall be identified in the Design-Build Amendment.
- 3. PAYMENT PROCEDURES
 - a) Design and Pre-construction Phase Payments:
 - (1) WES shall provide a monthly Application for Payment to Customer for Design and Preconstruction Phase services completed during the previous month. The Customer shall make payment in the manner and within the time provided in Section 6.3.
 - b) Construction Phase Payments:
 - (1) Progress Payments: WES shall provide a monthly Application for Payment to Customer for work completed during the previous month. The Customer shall make payment in the manner and within the time provided in Section 6.3. Until the total cumulative amount paid from Customer to WES equals \$118,394, less any other costs or fees paid by Customer to entities other than WES, Customer will pay one hundred percent (100%) of the amount due to WES on account of progress payments for each line item. After the total cumulative amount paid from Customer to WES equals \$118,394, less any other costs or fees paid by Customer to entities other than WES, Customer may cease making progress payments and WES will receive the balance of the Contract Sum as the payee of the PG&E On-Bill Finance disbursement check.
 - (2) Schedule of Values: WES will prepare and submit a complete schedule of values in advance of the initial Application for Payment. Projects listed as line items in the Schedule of Values will be treated as individual projects for the purposes of Progress Payments and Project Completion.
 - (3) Final payment application: After completing all project closeout requirements, Customer and WES shall execute the Certificate of Acceptance – Project Completion as presented in Exhibit 2; which shall not be unreasonably withheld. WES will then submit a final Application for Payment. Final payment to WES shall come from PG&E in the form of the On-Bill Financing (OBF) check disbursement. WES shall be the sole payee of the check.

Failure of Payment: If the Customer does not pay WES within seven days after the date established in Section 6.3, then WES may, upon written notice to the Customer, stop the Work until payment of the amount owing has been received. The Contract Time shall be extended appropriately and the Contract Sum shall be increased by the amount of the WES's reasonable costs of shut-down, delay and start-up, plus interest.

SCHEDULE C. ADDITIONAL RESPONSIBILITIES

1. Customer Responsibilities

- a) PG&E On-Bill Financing Program
 - (1) Customer shall promptly comply with all PG&E On-Bill Financing (OBF) program requirements including, but not limited to:
 - (a) Sign and return the Loan Agreement to PG&E.
 - (b) Sign and return the Loan Modification Agreement (if necessary) to PG&E.
 - (c) Designate WES as the payee for the OBF check disbursement.

b) Equipment Noise Levels

- (1) WES shall provide equipment data sheets indicating operational noise levels of proposed equipment. WES shall make commercially reasonable efforts to facilitate physical inspection of similar equipment, operating in similar conditions to the proposed project, by Customer.
- (2) Customer shall be responsible for approving the use of the proposed equipment or alternatives via submittal. By providing this approval:
 - (a) Customer confirms that the proposed equipment is acceptable for use in the proposed location.
 - (b) Customer confirms that the proposed equipment complies with Brisbane Municipal Code Chapter 8.28 Noise Control and related sections; or
 - (c) Customer agrees that the work is exempt per Brisbane Municipal Code 8.28.050.C; or
 - (d) Customer assumes full responsibility for any and all noise related issues associated with new equipment. Under no circumstances will WES be responsible for additional engineering or construction required to document or abate any noise related issues without receiving compensation.

c) Data and Records

- (1) Customer hereby warrants, represents and promises that it has provided or shall provide timely to WES, all records relating to energy usage and energy-related maintenance of Premises requested by WES and the information set forth therein is, and all information in other records to be subsequently provided pursuant to this Contract will be true and accurate in all material respects.
- (2) Providing descriptions of property boundaries and existing service and utility lines. This includes any existing surveys describing underground utilities or concealed conditions at the project site.
- (3) As-built and record drawings of existing structures at the project site.
- (4) Existing environmental requirements or studies applicable to the project site.

d) Retained Equipment

(1) Customer shall be responsible for, and designate the location and storage for, any equipment and materials that should not be disposed of off-site.

e) Differing Site Conditions

(1) The conditions at the site are the property of the Customer regardless of whether or not they could be identified by an investigation or exploration conducted according to the professional standard of care. A "Differing Site Condition" is a subsurface, hidden, latent, or physical condition at a project site/building not revealed by the site exploration, site investigation, or other information provided to the Customer and which cannot be reasonably anticipated. Special risks occur whenever engineering is applied to identifying site/building conditions. Even a comprehensive investigation according to the professional standard of care may not detect all subsurface or site/building conditions. WES shall not be liable for site/building conditions which could not be identified by such an investigation or exploration. Accordingly, the Customer agrees to indemnify, including all costs and fees, and hold WES harmless from all claims for Differing Site Conditions.

f) Site Preparation

- (1) Customer is responsible for removal and relocation of the shipping container currently being used as temporary storage that is currently located within the proposed project footprint.
- (2) Providing for scheduling and shutdown of affected areas.
- g) Customer Information Technology Responsibilities
 - Customer is responsible for providing network connection(s) for wireless connection of proposed demand-response
 capable controllers/controls and required internet accessibility.
 - (2) Customer shall engage its IT representative familiar with the Customer's network to work with WES and its subcontractors to establish internet connectivity, at no cost to the project, to assure proper operation of the proposed demand-response capable controllers/controls

h) Maintenance

- Customer is responsible for performing all maintenance on new work as recommended in the manufacturer's written instructions. This includes maintaining water chemistry within acceptable parameters and maintaining adequate records to pursue any warranty claims if required.
- (2) Customer is responsible for maintaining groundskeeping around the new equipment to ensure proper operation.
- (3) WES is not responsible for performance of any maintenance on equipment or premises.
- (4) Pursuing repairs or replacement of new equipment covered by manufacturer warranty after the warranty period of this agreement expires (refer to SECTION 9). After this period, WES is not obligated to provide for repair or replacement of work under warranty. Customer shall seek repair or replacement from manufacturer and arrange for installation labor.

2. WES Responsibilities

- a) System Start-up
 - (1) WES will perform start-up of new equipment in accordance with manufacturer's written instructions.
- b) Operating parameters of installed equipment
 - (1) WES will provide operating parameters in the Operation and Maintenance Manuals. These manuals will be provided to Customer prior to Project Completion.
 - (2) Operation and Maintenance Manuals will include as-built drawings of all new equipment. As-builts will also be included in digital format.
- c) Training Requirements
 - (1) WES will provide four (4) hours of dedicated training to City maintenance staff prior to Project Completion to ensure proper understanding of installed systems. The training may be provided in-person and on-premises, or remotely via Webex, Microsoft Teams, or equivalent.

EXHIBIT 1. DESIGN-BUILD AMENDMENT (DRAFT, TO BE PROVIDED AT THE CONCLUSION OF THE DESIGN AND PRECONSTRUCTION PHASE)

This Amendment is incorporated into the accompanying Design-Build Contract dated the _____ day of July, 2022, (the "Agreement") for the following:

PROJECT: Brisbane Community Pool Heating System Electrification, 2 Solano St., Brisbane, CA 94005

THE CUSTOMER: City of Brisbane, 50 Park Place, Brisbane, CA 94005

THE DESIGN-BUILDER: Willdan Energy Solutions, Inc.

Customer and Design-Builder hereby amend the Agreement as follows.

TABLE OF ARTICLES

- 1. CONTRACT SUM
- 2. CHANGES IN THE CONTRACT SUM
- 3. CONTRACT TIME
- 4. CONSTRUCTION SCHEDULE
- 5. INFORMATION UPON WHICH AMENDMENT IS BASED

1. CONTRACT SUM

- a) Stipulated Sum:
 - (1) The Stipulated Sum for Construction Phase Services shall be (\$XXX,XXX), subject to authorized adjustments as provided in the Design-Build Documents.

2. CHANGES IN THE CONTRACT SUM:

- a) Any overage in the cost of the Scope of Work in SCHEDULE A (SCOPE OF WORK) shall be the responsibility of WES.
- b) Changes to the contract sum are warranted for, but are not limited to: Hazardous materials, additions or modifications to the Scope of Work, and Differing Site Conditions as defined in SCHEDULE C. All additional costs associated with these items shall be the responsibility of Customer.

3. CONTRACT TIME

- a) The date of Substantial Completion upon which this proposal is based is [TBD].
- b) The date of Final Completion is [TBD].
- Weather disruptions, documented availability of necessary equipment, remediation of hazardous materials, and other delays beyond the control of WES shall not count toward the construction timeframe in SECTION 4 (COMMENCEMENT DATE AND TERMS).

4. CONSTRUCTION SCHEDULE

d) [TBD]

5. INFORMATION UPON WHICH AMENDMENT IS BASED

- a) Scope of Work
 - (1) [TBD]
- b) Drawings



(1) [TBD]

c)	Specifications		
	(1) [TBD]		
b)	Supplementary and other Conditions of the Contract		
	(1) [TBD]		
c)	Deviations from the Design-Build Program Require	rements as identified in SCHEDULE A.3:	
	(1) [TBD]		
This Amendment to the Agreement entered into as of the day and the year last written below.			
Willdan	Energy Solutions (WES)	City of Brisbane (Customer)	
Signed		Signed	
Name	Anthony Sclafani	Name	
Title	Vice President of Engineering	Title City Manager	
		, c	
Date		Date	
Californi	a Contractors License No. 1065713		
Willdan Energy Solutions		City of Brisbane	
2401 E. Katella Ave, #300 Anaheim, CA 92806		50 Park Place Brisbane, CA 94005	
	×	,	

EXHIBIT 2. CERTIFICATE OF ACCEPTANCE – PROJECT COMPLETION

This is to certify that a final inspection of the Project has been conducted jointly by WES and the City of Brisbane, California, and that the parties have determined that the Project has been fully completed in accordance with the Contract Documents. All guarantees and warranties that have not commenced previously shall commence as of the date last written below.

Customer accepts the Project as being fully completed and assumes responsibility for maintenance, custodial care, and utilities for the premises. WES remains responsible to correct errors and omissions discovered subsequent to the execution of this document and to respond to claims made under applicable warranties.

Willdan Energy Solutions (WES)	City of Brisbane (Customer)
Signed	Signed
Name Anthony Sclafani	Name
Title Vice President of Engineering	Title Public Works Director/City Engineer_
Date	Date
California Contractors License No. 1065713	
Willdan Energy Solutions	City of Brisbane
2401 E. Katella Ave, #300	50 Park Place
Anaheim, CA 92806	Brisbane, CA 94005

EXHIBIT 3. SUPPLEMENTAL AND OTHER CONDITIONS OF THE DESIGN AND PRE-CONSTRUCTION PHASE SERVICES

5. **Maintenance and Inspection of Records.** Consultant shall maintain any and all ledgers, books of account, invoices, vouchers, canceled checks, timecards, and other records or documents relating to charges for services or expenditures charged to City solely and exclusively related to this Agreement, for a minimum of three years from the date of the City's final payment to Consultant for the Park Place Project and for a minimum of three years from the date of any payment for Other Projects. Consultant shall make the same available to City or its authorized representatives for inspection and audit, at any time during regular business hours, upon written request by City. The right of inspection shall include the right to make extracts and copies of the documents solely and exclusively related to this Agreement.

- 7. **Correction of Work**. Consultant shall promptly correct any defective, inaccurate or incomplete tasks, deliverables, services or other work, without additional cost to the City. The City's acceptance of Consultant's services shall not relieve Consultant from the obligation to correct subsequently discovered defective, inaccurate or incomplete services.
- 8. **Ownership of Documents**. All plans, studies, documents, and other written materials that Consultant prepares in the course of providing services, except working notes and internal documents, shall become the City's property upon the City's payment for the services/work associated with such materials. City shall have the right to use such materials in its sole discretion without further compensation to Consultant or to any other party. Consultant shall provide, at Consultant's sole expense, such written materials upon City's written request. Consultant shall not be responsible for any reuse of such documents by City which is unrelated to the Project and City agrees to indemnify, defend, and hold Consultant and subcontractors harmless against any claims of liability arising from such reuse or modification made to the documents by City
- 9. **Independent Contractor.** Consultant is, and at all times shall remain, an independent contractor, and not agent, officer or employee of City. As such an independent contractor, neither Consultant nor any of Consultant's agents or employees shall be entitled

to any salary, fringe benefits, worker's compensation, retirement contributions, sick leave, insurance or other benefit or right connected with employment by City, or any compensation other than as provided in this Agreement. Consultant shall have no power or authority to bind City to any contract or otherwise to incur any obligation or liability for, or on behalf, or in the name of City.

- 10. **Licenses.** Consultant represents and warrants to City that Consultant has all licenses, permits, qualifications, insurance and approvals of whatsoever nature that are legally required of Consultant to practice its profession. Consultant shall, at its sole cost and expense, keep and maintain such licenses, permits, qualifications, insurance and approvals in full force and effect at all times during the term of this Agreement. Consultant shall maintain a City of Brisbane business license.
- 11. **Compliance with Laws.** Consultant shall use the standard of care in its profession to comply with all applicable federal, state and local laws, codes, ordinances and regulations in connection with providing its services under this Agreement.
- 12. **Indemnity.** Consultant shall indemnify, defend, and hold City, its officers, officials, employees and volunteers, harmless from and against any and all direct claims, losses, damages, injuries, expenses and liabilities, including the reimbursement of attorney's fees, to the extent caused by the negligent performance or willful misconduct by Consultant of its services under this Agreement or its failure to comply with any of the its obligations contained in this Agreement, and City shall not be liable for any negligent acts or omissions or willful misconduct of Consultant. The duty to defend obligation of the Consultant shall be limited to the proportionate percentage of any claim arising directly from Services performed by the Consultant under this Agreement.
- 13. **Insurance.** Consultant, at its own expense, shall procure and maintain, for the duration of this Agreement, insurance policies, which satisfy the following requirements:

(a) Type of policies and coverage:

- (1) General Liability Coverage. Consultant shall maintain commercial general liability insurance in an amount not less than \$1,000,000 per occurrence for bodily injury, personal injury and property damage.
- (2) Automobile Liability Coverage. Consultant shall maintain automobile liability insurance in an amount not less than \$1,000,000 combined single limit for each occurrence, for bodily injury and property damage.
- (3) Workers' Compensation and Employer's Liability Coverage. Consultant shall maintain workers' compensation insurance as required by the State of California and employer's liability insurance in an amount not less than \$1,000,000 per occurrence, for any and all persons employed by Consultant in connection with the performance of services under this Agreement.
- (4) Professional Liability Coverage. Consultant shall maintain professional errors and omissions liability coverage in an amount not less than \$1,000,000 per claim, covering negligent acts and errors or omissions.

- b) <u>Endorsements</u>: Each general liability policy shall contain the following provisions:
 - (1) The City, its officers, officials, employees, agents and volunteers are to be included as additional insureds as respects: liability arising out of activities performed by Consultant solely and exclusively under this Agreements; products and completed operations of Consultant solely and exclusively provided under this Agreement; premises owned, occupied or used by Consultant; or automobiles, leased, hired or borrowed by Consultant.
 - (2) For any claims related to the services being provided by Consultant solely and exclusively under this Agreement, Consultant's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by City, its officers, officials, employees, agents or volunteers shall be excess of Consultants' insurance and shall not contribute with it.
 - (3) Consultant shall provide City with thirty (30) days prior written notice by email in the event any of the insurance coverage is canceled..
- c) <u>Acceptability of Insurers</u>. Insurance is to be placed with insurers having a current A.M. Best rating of no less than A:VII, unless otherwise approved by City in writing.
- d) <u>Verification of coverage</u>. Consultant shall provide certificates of insurance including the City as additional insured as evidence of the insurance coverage required by this Agreement. Certificates of such insurance shall be filed with City before commencement of work by Consultant. At the request of City, Consultant shall provide complete, certified copies of all required insurance policies required by this Agreement.
- 14. **Notices.** Any notices required or permitted to be given under this Agreement shall be in writing and shall be either personally delivered or sent by certified mail, return receipt requested, addressed to the other party as follows:

To City City of Brisbane

50 Park Place

Brisbane, CA 94005

Attn.: Public Works Director

To Consultant Willdan Energy Solutions

Attention: Micah Chen 2401 E. Katella Ave, #300 Anaheim, CA 92806

15 . **Resolution of Disputes.** If any dispute between the parties concerning this Agreement arises, the parties shall in good faith attempt to resolve it through mediation before commencing any legal action.

- 16. **Termination of Agreement**. This Agreement may be terminated immediately by either party, effective upon written notice, should the other party commit any material default in the performance of its obligations hereunder. This Agreement may be terminated by either party, for any reason, upon thirty (30) day's prior written notice to the other party. In the event this Agreement is terminated by City, Consultant shall be compensated for all services performed to the date of termination.
- 17. **Equal Opportunity Employment**. Consultant warrants that it is an Equal Opportunity Employer and shall comply with applicable regulations governing equal opportunity employment.