



“RE-BUILDING THE CITY’S WATER SYSTEMS FOR THE 21ST CENTURY”

Sewerage & Water Board OF NEW ORLEANS

625 ST. JOSEPH STREET
NEW ORLEANS, LA 70165 • 504-529-2837 OR 52-WATER
www.swbno.org

Addendum No. 7

Date: 01/24/2024

Your reference is directed to **Contract Number:** 2023-SWB-97 (Contract 1420) for WPC Phase 1 Equipment Installation which is scheduled to open at **11:30 a.m. CST on February 23, 2024** for SWBNO Civil Engineering Department.

This addendum provides for the following:

1. Volume 3; REPLACE drawing S6.20 with the attached Revision 1 of the same drawing.
 - a. [Attachment – S6.20_D3483600_r1 \(Page 3\)](#)
2. Volume 3; ADD drawing S6.40, attached.
 - a. [Attachment - S6.40_D3483600_r0 \(Pages 4\)](#)
3. Updated Bid Form – Section 00 41 13
 - a. [Attachment – SWBNO_1420_BidForm_Jan 2024 \(Pages 14-23\)](#)
4. Volume 2, Section 01 11 01, Project Summary of Work, Paragraph 1.03, DELETE the table in its entirety and REPLACE it with the following table.

Separable Portion	Description	Milestone	
All	Anticipated NTP	01-May-24	
2	CTG T7 & Auxiliary Switchgear	CTG/FGC Area Foundations ¹ Complete	02-Aug-24
		EER/LO Cooler/Aux Swgr. Area Foundations Complete	30-Sep-24
		RFC ²	29-Mar-25
		Substantial Completion	26-Jul-25
1	SFC 1 & Interim Switchgear	Area Foundations Complete	01-May-24
		RFC	30-Oct-24
		Substantial Completion	30-Jun-25
3	GSU’s	Area Foundations Complete	01-Aug-24
		RFC	30-Nov-24
		Substantial Completion	30-Jun-25

5	FO Forwarding Pumps	No Foundations in 1415	n/a
		RFC	02-Feb-25
		Substantial Completion	30-Jun-25
6	FO Supply Pumps, FO Return Pumps, FO Day tank	Area Foundations Complete	20-Sep-24
		RFC	29-Mar-25
		Substantial Completion	30-Jun-25
7	BOP Miscellaneous Equipment	Area Foundations Complete	20-Sep-24
		RFC	29-Mar-25
		Substantial Completion	30-Jun-25
8	PDCS BOP PSS PLC, HMI, GCS Coordination/	RFC	30-Nov-24
		Substantial Completion	26-Jul-25
4	SFC 2	Area Foundations Complete	01-May-24
		RFC	30-Oct-24
		Substantial Completion	30-Jun-25
Alternate	SFC 3 - Alternate	Area Foundations Complete	01-May-24
		RFC	02-Feb-25
		Substantial Completion	30-Jun-25
All	Facility Substantial Completion		31-Jul-25
All	Project Substantial Completion		31-Jul-25
Notes:			
1. All Foundations will be completed by the 1415 Contractor			
2. RFC = Ready For Commissioning			

5. Section 00 52 13 – Section 4.2.1 – Replace ‘The Work shall be substantially completed within 430 calendar days from the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within 430 calendar days after the date when the Contract Times commence to run.’ to ‘The Work shall be substantially completed within **456** calendar days from the date when the Contract Times commence to run as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within **456** calendar days after the date when the Contract Times commence to run.’
6. Volume 2, Section 01 11 01, Project Summary of Work Supplement, Division of Responsibility Table, Item 3.2.D.3 – Grid Control System; REVISE table as follows: Equipment/Material Supply by Owner; Site Work and Erection by Owner; Commissioning Start-Up by Owner. ADD Remark “Contractor to coordinate with GCS Supplier and make ready for integration an overall highly integrated Grid Control System (GCS) into the PDCS. Reference Specification 26 00 10.”
7. This Addendum includes the following attachments:
 - a. Attachment – S6.20_D3483600_r1 (Page 3)
 - b. Attachment - S6.40_D3483600_r0 (Pages 4)
 - c. Attachment – 1420 Bidder Questions V1 (Pages 5-13)
 - d. Attachment - SWBNO_1420_BidForm_Jan 2024 (Pages 14-23)
 - e. Attachment – Pre-Bid #2 Attendance, December 18, 2023 at 11:00 A.M. (Page 24)
 - f. Attachment – Pre-Bid #3 Attendance, January 23, 2024 at 11:00 A.M. (Page 25)

GENERAL SHEET NOTES

- FOR MORE INFORMATION, SEE GENERAL STRUCTURAL NOTES.
- FOR PLATFORM SECTIONS AND DETAILS SEE DWGS S6.21 THROUGH S6.31.
- GRATING SHALL BE 1-1/2"x3/16" BEARING BAR, ALL WELDED SERRATED GALVANIZED CARBON STEEL PER DETAIL 0553-001.
- WALKWAYS TOP OF GRATING ELEVATION IS 13'-3", TYP.

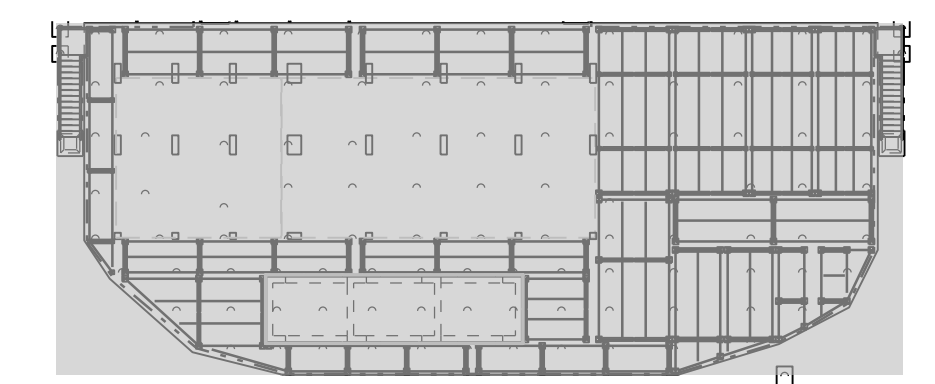
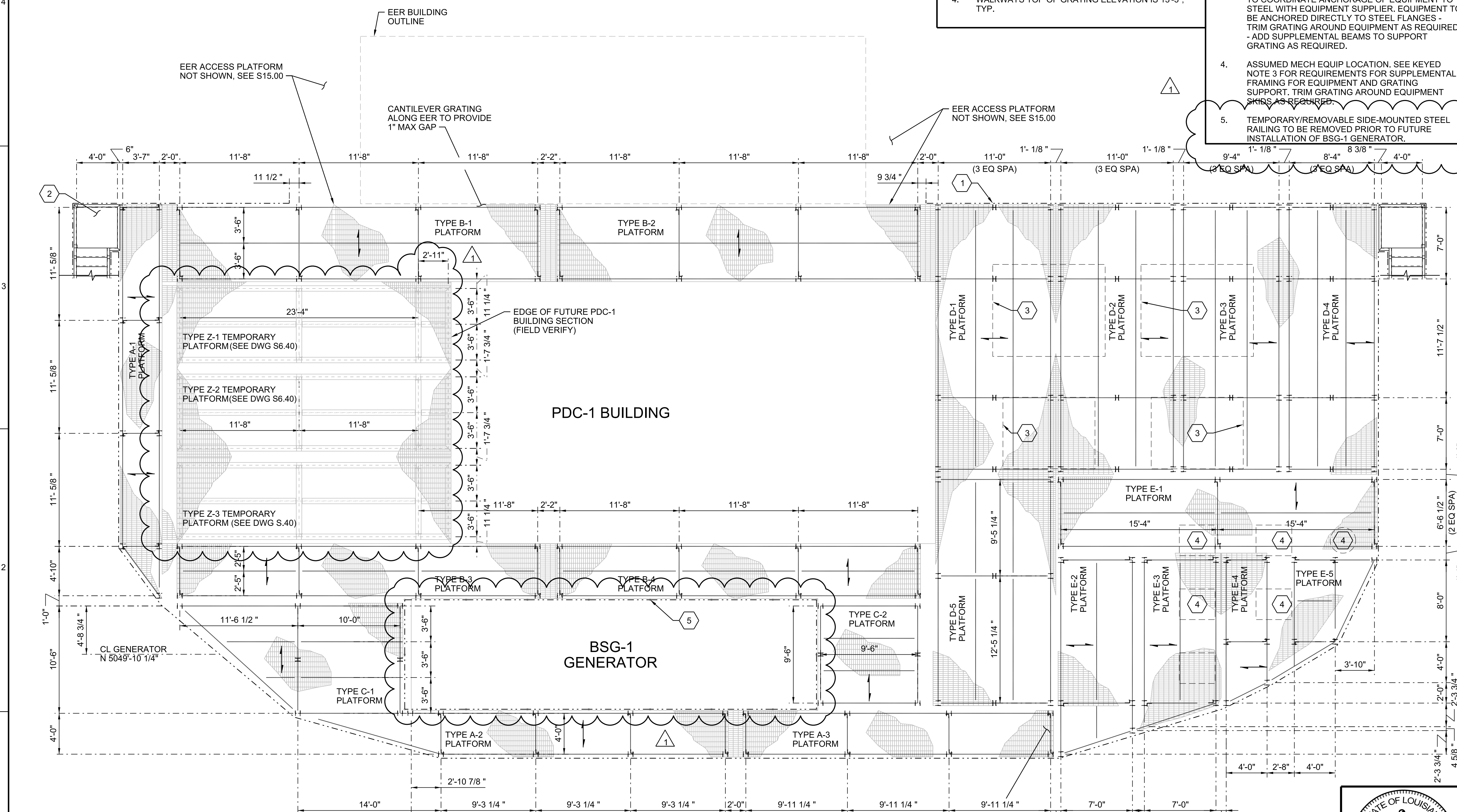
SHEET KEYNOTES

- STEEL RAILING W/ TYPE 'B' ANCHORAGE, SEE DETAILS 0551-042 AND 0552-041.
- STAIR TYPE-A, TYP 2 PLCS. SEE DETAIL 1/S1.12.
- ASSUMED TRANSFORMER LOCATION. CONTRACTOR TO ADD SUPPLEMENTAL FRAMING AS REQUIRED FOR SUPPORT OF EQUIPMENT. MATCH BEAM SIZES IN PLATFORMS. MATCH END CONNECTIONS FOR ALL MEMBERS. CONTRACTOR TO COORDINATE ANCHORAGE OF EQUIPMENT TO STEEL WITH EQUIPMENT SUPPLIER. EQUIPMENT TO BE ANCHORED DIRECTLY TO STEEL FLANGES. TRIM GRATING AROUND EQUIPMENT AS REQUIRED - ADD SUPPLEMENTAL BEAMS TO SUPPORT GRATING AS REQUIRED.
- ASSUMED MECH EQUIP LOCATION. SEE KEYED NOTE 3 FOR REQUIREMENTS FOR SUPPLEMENTAL FRAMING FOR EQUIPMENT AND GRATING SUPPORT. TRIM GRATING AROUND EQUIPMENT SKIDS AS REQUIRED.
- TEMPORARY/REMOVABLE SIDE-MOUNTED STEEL RAILING TO BE REMOVED PRIOR TO FUTURE INSTALLATION OF BSG-1 GENERATOR.

THIS IS A MULTIPLE-CONTRACT DRAWING. ITEMS WHICH ARE TO BE FURNISHED AND INSTALLED BY SEPARATE CONTRACTS ARE IDENTIFIED IN THE TABLE BELOW UNLESS SPECIFICALLY NOTED OTHERWISE.

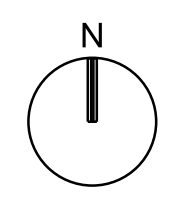
CONTRACT NUMBER	SCOPE OF SUPPLY AND INSTALLATION
1415	EARTHWORK, PILES, CONCRETE, CMU, AND ITEMS CAST IN CONCRETE AND CMU INCLUDED WITHIN THE SFC, CTG T7, AND BOP SUB-PLOTS.
1416	ELEVATED PLATFORMS AND STAIRS PROVIDING ACCESS TO EQUIPMENT INCLUDED WITHIN THE SFC AND BOP SUB-PLOTS.
1420	ELEVATED PLATFORMS AND STAIRS PROVIDING ACCESS TO EQUIPMENT INCLUDED WITHIN THE CTG T7 SUB-PLOT.

- NOTES:**
- ALL APPURTENANCES AND CONSUMABLES REQUIRED FOR COMPLETION OF THE SCOPE OF SUPPLY AND INSTALLATION IS THE RESPONSIBILITY OF THE ASSOCIATED CONTRACT NUMBER.
 - MEP, EQUIPMENT AND BUILDING INSTALLATION ARE NOT DETAILED ON THESE DRAWINGS. REFER TO THE APPROPRIATE DISCIPLINE DRAWINGS AND SPECIFICATIONS AND/OR SUPPLIER DRAWINGS AND SPECIFICATIONS FOR REQUIREMENTS.



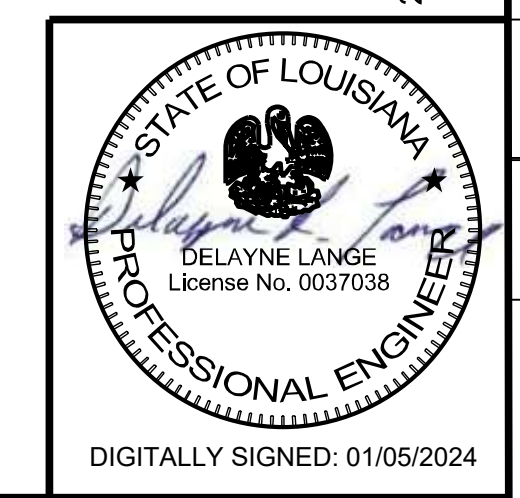
KEY PLAN

CANTILEVER GRATING IN STRONG DIRECTION TO ABUT ADJACENT GRATING, BLDG OR EQUIPMENT AS REQUIRED. DO NOT CANTILEVER GRATING IN WEAK DIRECTION. MAX GRATING CANTILEVER 1'-0" FOR SPANS GREATER THAN 1'-0". SPAN GRATING IN STRONG DIRECTION TO BEAM CENTERLINE AND TRIM INTERSECTING GRATING ACCORDINGLY TYP.



BALANCE OF PLANT AREA OVERALL WALKWAY STEEL PLAN

3/16"=1'-0"



DIGITALLY SIGNED: 01/05/2024

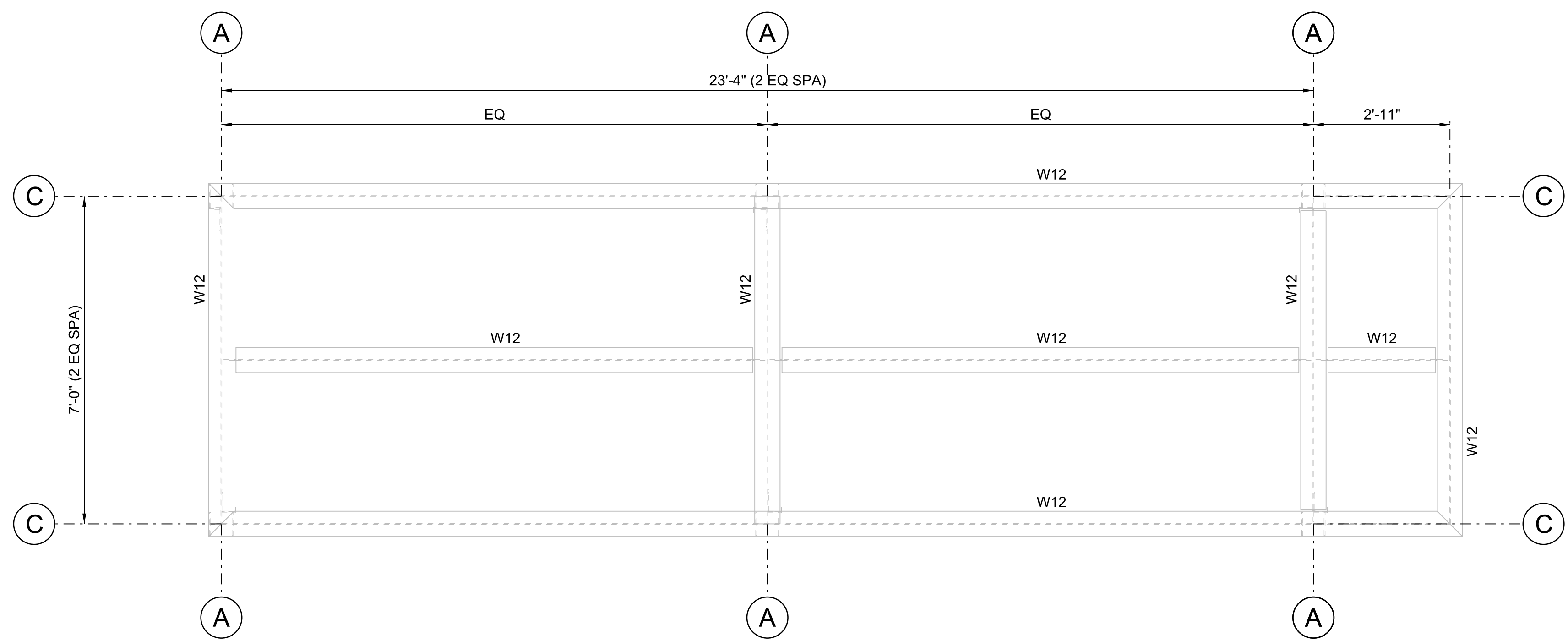
Jacobs	
DATE: JANUARY 2024	JOB NO.: D3383001
DESIGNED BY: K BEYENE	FILE NAME: S6.20_D3483600.dgn

REV.	DATE	DESCRIPTION	BY
1	01/05/24	ISSUED FOR BID	KB
0	11/01/23	ISSUED FOR BID	KD

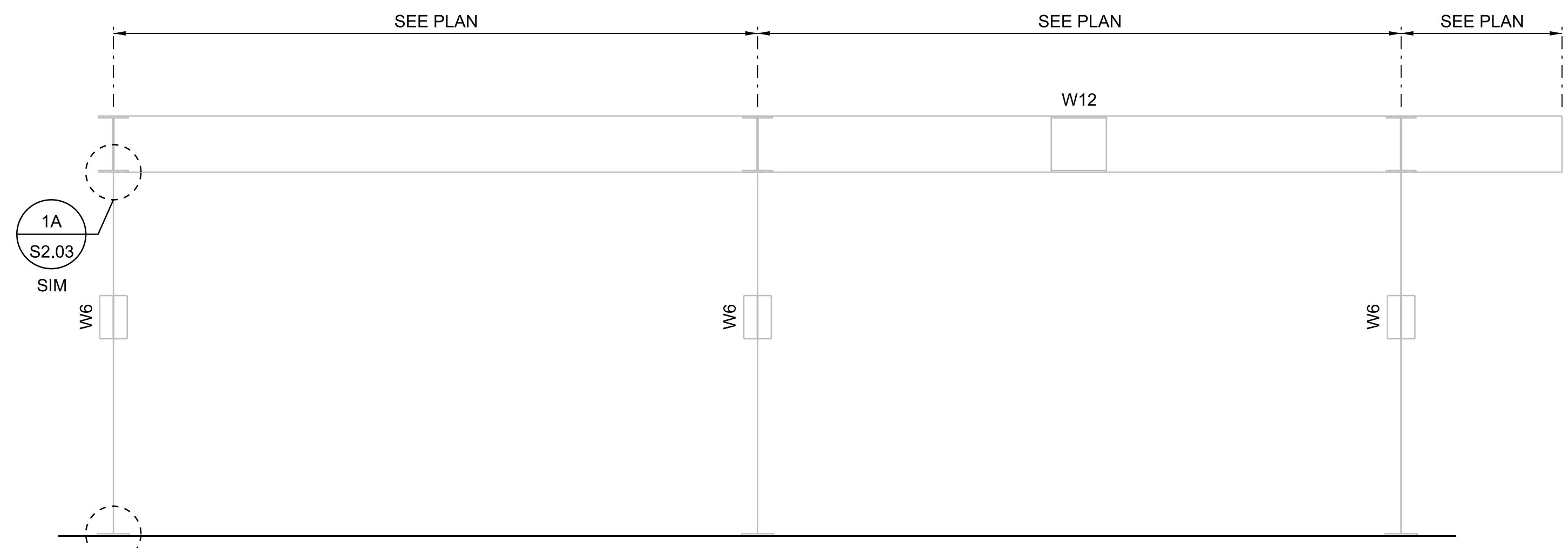
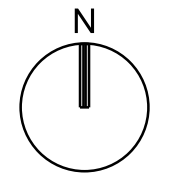
SEWERAGE AND WATER BOARD OF NEW ORLEANS	
CONTRACT No. 1420	
WEST POWER COMPLEX	
PHASE 1 INSTALLATION AND COMMISSIONING	
STRUCTURAL	
BOP - OVERALL WALKWAY STEEL PLAN	
DR: J THORNTON	A/E DWG NO. S6.20
CK: D LANGE	
AP: D LANGE	
LAST EDIT:	DWG. No. 12214-W-50
SCALE: AS NOTED	
DATE:	SET NO. SHEET NO. OF

BID PACKAGE - NOT FOR CONSTRUCTION

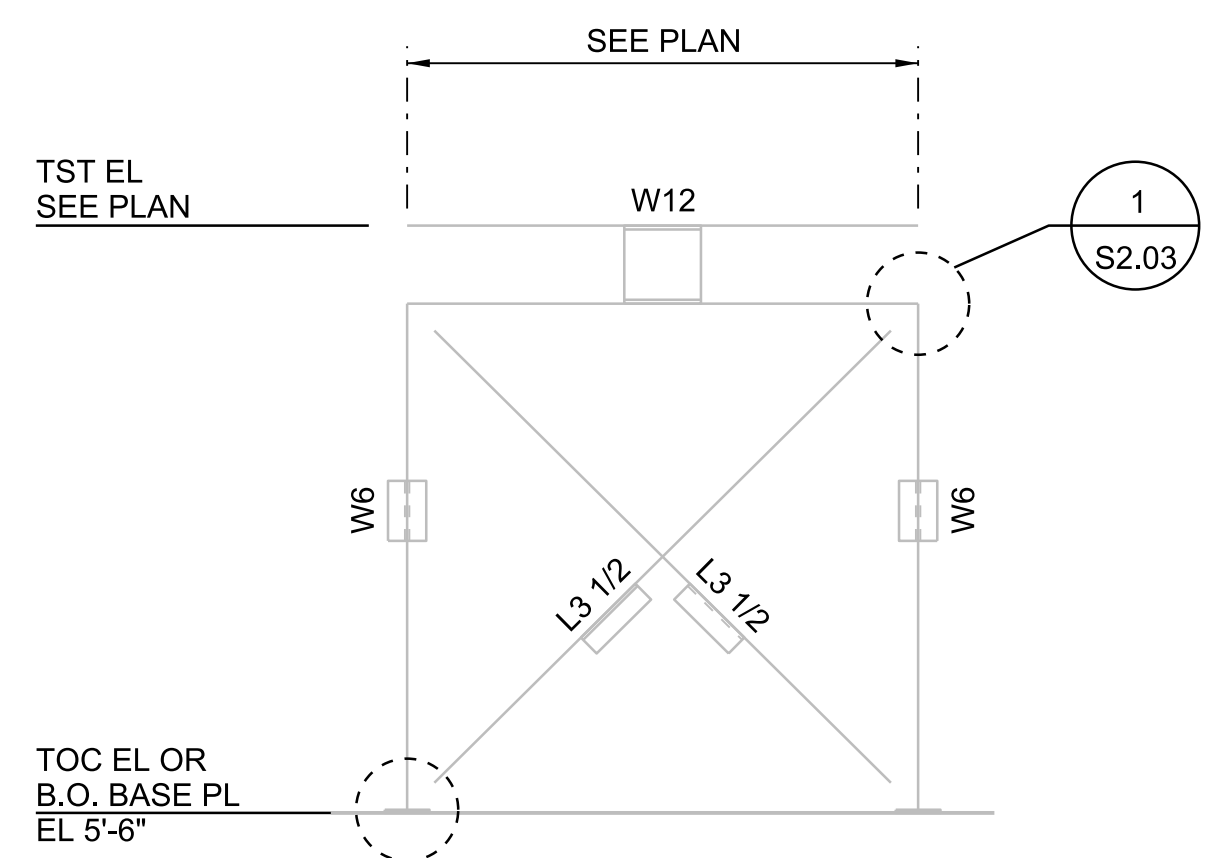
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PLAN @ TOS EL 13'-1 1/2"
TEMPORARY PLATFORM
TYPE Z-1, Z-2, & Z-3
 1/2"=1'-0"



C GRID SECTION C-C
 1/2"=1'-0" (LOOKING NORTH)



A GRID SECTION A-A
 1/2"=1'-0"

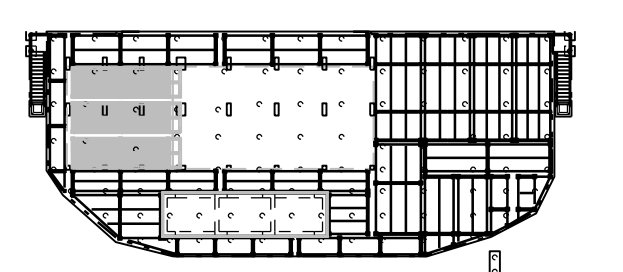
GENERAL SHEET NOTES

- FOR MORE INFORMATION, INCLUDING BEAMS MEMBER SIZES, SEE DWG S6.21.
- TEMPORARY STEEL PLATFORMS SHOWN ON THIS SHEET SHALL BE REMOVED PRIOR TO INSTALLATION OF FUTURE SECTIONS OF PDC-1 BUILDING.

THIS IS A MULTIPLE-CONTRACT DRAWING. ITEMS WHICH ARE TO BE FURNISHED AND INSTALLED BY SEPARATE CONTRACTS ARE IDENTIFIED IN THE TABLE BELOW UNLESS SPECIFICALLY NOTED OTHERWISE.

CONTRACT NUMBER	SCOPE OF SUPPLY AND INSTALLATION
1415	EARTHWORK, PILES, CONCRETE, CMU, AND ITEMS CAST IN CONCRETE AND CMU INCLUDED WITHIN THE SFC, CTG T7, AND BOP SUB-PLOTS.
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- NOTES:**
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KEY PLAN

REV.	DATE	DESCRIPTION	BY
0	01/05/24	ISSUED FOR BID	KB

SEWERAGE AND WATER BOARD OF NEW ORLEANS

CONTRACT No. 1420
 WEST POWER COMPLEX
 PHASE 1 INSTALLATION AND COMMISSIONING

STRUCTURAL BOP AREA TEMPORARY STEEL PLANS AND SECTIONS



DIGITALLY SIGNED: 01/05/2024

Jacobs

DR: J THORNTON
 CK: D LANGE
 AP: D LANGE

DATE: JANUARY 2024 JOB NO. D339300

DESIGNED BY: K BEYENE
 FILE NAME: S6.40_D3483600.dgn

DR:	J THORNTON	A/E DWG NO.	
CK:	D LANGE		S6.40
AP:	D LANGE		
LAST EDIT:		DWG. No.	12214-W-50
SCALE:	AS NOTED	DATE:	
DATE:		SET NO.:	SHEET NO. OF

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BID PACKAGE - NOT FOR CONSTRUCTION

C1420 - WPC Phase 1 Equipment Installation and Commissioning
Questions and Responses during Bidding

Response Version 0 dated December 20, 2023 included in Addendum 4: [Questions 1 - 7]

Response Version 1 dated January 02, 2024 included in Addendum 5: [Questions 8 - 20]

Response Version 2 dated January 17, 2024 included in Addendum 7: [Questions 21 - 59]

BIDDER QUESTION 21: There appear to be numerous grounding drawings throughout the Contract 1420 set that do not include the "No Scope on this Sheet" note that already appear in the Contract 1415 drawings. For example, Shts. WPCYRD-E-G-B02-10-50 thru WPCYRD-E-G-F08-10-50 already are included in the Contract 1415 set of drawings. We therefore assume no new grounding at all is required in this new Contract 1420 bid. Is this correct? If not, then identify specifically what is new grounding and what is not.

RESPONSE 21: The E-G series drawings are primarily included for reference to identify above-ground equipment grounding connections included in the the C1420 scope of work.

The ground grid and pigtails from the ground grid in the West Power Complex are in the C1415 scope.

BIDDER QUESTION 22: Numerous drawings show new light fixtures on the structure listed as LFS (for example, Sht. WPCYRD-E-L-C02-10-50). Since no fixture schedule is shown, we assume all these new lights are the floodlight shown on Sht. E-L-15. Is this correct?

RESPONSE 22: All lighting fixtures, or luminaire, are high efficiency LED flood and generally only vary in mounting or area classification. General structure of light fixture, luminaire, designation is: LF<type>; LF = light fixture, <type> as noted below.

LFF: undefined mount, flood

LFS: stanchion mount

LFSEX: stanchion mount, explosion proof

LFW: wall mount

LFY: yoke mount

All convenience receptacles are duplex 120VAC 20A outdoor rated GFCI protected, unless installed indoors.

LR: convenience receptacle

BIDDER QUESTION 23: Numerous drawings show new light fixtures and receptacles on the structure but we see no circuiting for these items (for example, Sht. WPCYRD-E-L-C02-10-50). Please advise.

RESPONSE 23: Lighting and convenience receptacle circuiting is within the 1420 Contractor's scope. 120/208 VAC and 277/480 VAC power panels are available within the various power distribution centers supplied by others and are intended to service the lighting and convenience receptacle system. The general expectation is that lighting and convenience receptacle circuiting will be organized logically within the functional areas serviced by the functional area power distribution centers.

BIDDER QUESTION 24: We see no work shown on any contract drawings for the below scopes of work as well:

Turbine 7 (T7) / West Power Complex CTG 7

WPCAUX.T (which we assume is the WPCAUX PDC-2 equipment)

Will any drawings be issued for these scopes?

RESPONSE 24: Scope of work in the WPC AUX.T area is included in the series of drawings in the key plan area 1416-WPCYRD-D04 and 1416-WPCYRD-D05, beginning on pdf page 594 of 1247 in Volume 3 of the bid documents.

Scope of work in the CTG7 area is included in the series of drawings in the key plan area 1420-WPCYRD-E04 through -F06, beginning on pdf page 690 of 1247 in Volume 3 of the bid documents.

BIDDER QUESTION 25: Are the existing cable reels that were purchased by S&WB for this project, tagged with designation and checked for required lengths.

RESPONSE 25: The 1420 Contract scope of work includes cable management which requires direct coordination with the 1435 Cable Supplier. Please refer to Specification Section 26 00 10 Electrical Summary of Work paragraph 1.12.

BIDDER QUESTION 26: Can another pre bid meeting be scheduled to allow for additional bidders and to offer further questions and answers on the project?

RESPONSE 26: Refer to information included in Addendum 6.

BIDDER QUESTION 27: Can the bid date be extended to 2/23/24.

RESPONSE 27: Refer to information included in Addendum 6.

BIDDER QUESTION 28: Can the deadline for questions be extended by 2 weeks.

RESPONSE 28: Refer to information included in Addendum 6.

BIDDER QUESTION 29: Can additional time on the contract be allowed for the purpose of development and implementation of the integration system.

RESPONSE 29: An updated milestone schedule is included in Addendum 7. Specification 01 11 01, paragraph 1.03 PROJECT SCHEDULE MILESTONES will be updated accordingly in the Conformed Documents.

Additionally, Specification 01 11 01, Supplement 1, Division of Responsibility Table has been updated to clarify that GCS integration is not included in the 1420 scope of work.

BIDDER QUESTION 30: Regarding Specification Section 40 94 26. - PDCS:

1.01 E.1 and E.2 - Provide network block diagrams of existing system and specifications for approved networking equipment.

RESPONSE 30: General note regarding inclusion of Specification Section 40 94 26.PDCS – Grid Control System and terminology ‘make ready for integration into GCS’ within the Specification: The intent of the 1420 scope of work is to establish the infrastructure and input/output profiles necessary to support the future layering/integration into the PDCS of a Grid Control System (GCS). Most necessary infrastructure and input/output profiles have been established within the PDCS specification sections and/or with the Owner supplied equipment contracts. Some upgrades to the PDCS are explicitly defined and included within the 1420 scope of work principally to support the future implementation of the GCS. Establishment and integration of a GCS is not included in the 1420 scope of work.

Network block diagram of existing PDCS will be included with a future Addendum and included in Volume 4.

PDCS network switch specification is provided in multiple locations, generally requiring a SEL Software Defined Network (SDN) switch; however the most specific requirement can be found in 40 94 24.PDCSDS “NETWORK SWITCH” section that provides a model number.

BIDDER QUESTION 31: Regarding Specification Section 40 94 26. - PDCS:

1.01 E.3 -

Define “All master non-specific hardware”:

Provide counts for:

- Remote terminal units
- Serial port expanders
- Protocol converters
- Other related equipment

RESPONSE 31: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 1.01.E.3.

BIDDER QUESTION 32: Regarding Specification Section 40 94 26. - PDCS:

1.01 E.5 - Define and provide information relative to “all support equipment...”

RESPONSE 32: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 1.01.E.5.

BIDDER QUESTION 33: Regarding Specification Section 40 94 26. - PDCS:

1.01 E.6 - Provide input/output list, type, and count

RESPONSE 33: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 1.01.E.6.

BIDDER QUESTION 34: Regarding Specification Section 40 94 26. - PDCS:
1.01 E.8 - Provide example system reports.

RESPONSE 34: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 1.01.E.8.

BIDDER QUESTION 35: Regarding Specification Section 40 94 26. - PDCS:
1.01 I - Provide information on equipment that will require retrofit or upgrade work

RESPONSE 35: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 1.01 I.

BIDDER QUESTION 36: Regarding Specification Section 40 94 26. - PDCS:
2.01 G - Provide examples of Grid Control Documentation

RESPONSE 36: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 2.01.G.

BIDDER QUESTION 37: Regarding Specification Section 40 94 26. - PDCS:
2.10 B - Provide information on desired Anti-Virus and Malware detection software

RESPONSE 37: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26 Article 2.10.B.

BIDDER QUESTION 38: Regarding Specification Section 40 94 26. - PDCS:
General - Provide required number of HMI workstations and approved manufacturer / model

RESPONSE 38: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26.

BIDDER QUESTION 39: Regarding Specification Section 40 94 26. - PDCS:
General - Provide information on approved HMI software

RESPONSE 39: As described in [RESPONSE 30] the scope of supply to support the GCS is described in other Specification Sections and/or is within Owner supplied equipment. There is no 1420 scope of supply within Specification Section 40 92 26.

BIDDER QUESTION 40: We see cables listed in the Cable Schedule for cameras and indicator lights for the CWPEMD area, but no scope of work is listed in Spec 26 00 10 for this area. If the CWPEMD area has work scope then provide the appropriate electrical summary of work for that scope, or advise where this is in the documents.

RESPONSE 40: Camera and Safety Light scope in CWPEMD area has been removed from 1420 scope and will be removed from the Cable Schedule IN THE Conformed Documents.

BIDDER QUESTION 41: Louisiana public bid law RS 38:2212, J. states "Bidding documents shall include no more than three alternates." The updated bid form in Addendum 2 contains four alternates. Please review and revise accordingly.

RESPONSE 41: Bid Form revised to combine Alternates 3 & 4. Attached to Addendum 7.

BIDDER QUESTION 42: Specification 13 30 00, paragraph 1.01.D – this section of the specification states that any lifts required for this project classified as a critical lift in paragraph 1.02D require a comprehensive lift plan. Please provide a detailed list of all critical equipment and a distance to the owner's facility which makes the lifts critical so we can determine the number of critical lifts plans which must be stamped by a professional engineer or confirm if all lifts are to be considered as critical lifts on the project.

RESPONSE 42: Refer to Specification 13 30 00, paragraph 1.02.B for a definition of Critical Lifts. Contractor's means and methods will determine when and where such lifts will occur. Refer to Bid Documents Volume 4 - Reference Documents for weights/dimensions of Owner provided equipment. Also, refer to Addendum 3 which includes a summary table of owner provided equipment weights.

BIDDER QUESTION 43: Specification 13 30 00, paragraph 1.04.E.8 – requires the serial number of the crane to be provided with the critical lift plan at a minimum to 14 days prior to the lift. Please revise the specification since this information is not always known until just prior to the lift. The current specification could require the lift plan to be submitted multiple times prior to the lift.

RESPONSE 43: Replace Specification 13 30 00, paragraph 1.04.E.6 with: "The type, size, model and lifting capacity, ~~certification date and serial number~~ of the crane to be used."

BIDDER QUESTION 44: Specification 13 30 00, paragraph 1.04.E.8 – requires all operators, riggers and competent personnel to be included in the critical lift plan at a minimum to 14 days prior to the lift. Please revise the specification since this information is not always known until just prior to the lift. The current specification could require the lift plan to be submitted multiple times prior to the lift.

RESPONSE 44: Replace Specification 13 30 00, paragraph 1.04.E.8 with: "The name of the Operator, Rigger and Competent Person and verification of Operator Certification. If such personnel are subsequently changed, submit new personnel name and verification of Operator Certification via RFI a minimum 48 hours prior to the lift."

BIDDER QUESTION 45: Specification 13 30 00, paragraph 1.04.E.9 – states that all crane picks should be limited to 75 percent of listed crane capacity unless specific owner approval is obtained. Please provide additional detail on what is needed to obtain this approval and what situation will warrant above a 75% lift to be approved. Earlier in the specification it states that being above 75% of the crane's capacity is a criteria of a critical lift.

RESPONSE 45: Correct. Specification 13 30 00, paragraph 1.02.B.2 provides that "Any lift that exceeds 75 percent of the crane's rated capacity within the lift configuration of the crane" is one of the criteria that designate a critical lift. In order for Owner to evaluate a lift in excess of 75% crane loading, Contractor must submit a complete, comprehensive and correct Lift Plan in accordance with the requirements of the noted Specification and including Contractor's rationale explaining why no other means or method is reasonably available to enable a lift below 75% capacity.

BIDDER QUESTION 46: Specification 13 30 00, paragraph 1.06.A.2 – states verify soils loading capacity is sufficient to support the crane and load. Please provide the allowable loading capacity of the soil in the project site. Also, please provide any areas which are prohibited from setting up lifting equipment.

RESPONSE 46: Refer to Specification 01 31 13 3.04.B for soils loading capacity.

BIDDER QUESTION 47: Specification 13 30 00, paragraph 1.06.A.3 – states in severe weather crane operations shall be stopped and all equipment and construction materials be secured in the staging area. Please provide detail on the staging area and confirm if the crane and equipment must be demobilized to this area. What is considered severe weather that would require the crane and equipment to be moved to the staging area.

RESPONSE 47: Severe weather is any dangerous meteorological phenomenon with the potential to cause injury to personnel or damage to equipment or Owner's facility. Staging Area as referenced in this specification refers to Contractor's staging area being used for crane operations. Such areas are defined by Contractor's means and methods and are typically adjacent to the crane, however, the requirement to secure equipment and construction material applies to all areas under the Contractor's care, custody and control.

BIDDER QUESTION 48: Please confirm Contractor is responsible to pay for Laboratory Testing

RESPONSE 48: Question does not include context. Contractor is requested to provide a Specification reference.

BIDDER QUESTION 49: Please confirm Contractor is responsible to pay for Special Inspections

RESPONSE 49: Owner is responsible for special inspections, as stated in Specification Section 01 45 33.

BIDDER QUESTION 50: Please provide the amount of start-up fluids (first fills) that will be required per equipment item that the Owner is providing as well as any replacement or flushing fluids required after start up.

RESPONSE 50: Refer to Bid Documents Volume 4 - Reference Documents for OEM First Fill, flushing and fluid replacement requirements for Owner provided equipment.

BIDDER QUESTION 51: How is the Contractor required to manage and coordinate Owner's supplier vendors unless a party to that contract? Is this to assist and coordinate or be responsible for those supplier's during start up?

RESPONSE 51: Refer to Specification 01 91 14 paragraph 3.03.E and Supplement 1, Commissioning Register. Contractor is expected to manage the overall Equipment Testing, Commissioning and Facility Startup process which includes coordinating Owner's supplier vendors through Owner, ensuring contracted OEM services are not exceeded.

BIDDER QUESTION 52: What is the contract duration? We do see schedule milestones, but need an overall duration. Is Substantial Completion the same as Final Completion or is there a punchlist duration?

RESPONSE 52: Refer to Section 00 52 13 revision included in Addendum 7.

BIDDER QUESTION 53: There are 3 different metal supply and fabrication spec sections excluding handrails and grating and it would be nice to have one to go by. There exists qualifications and procedures for ASTM, AWS, and AISC that are different.

- a. Are all of these necessary because they contradict each other? If so, please provide each section usage on this project?
- b. Is there any "structural steel" material to be installed per spec section 05 10 00 – Erection of Misc. and Structural Steel Material?
- c. Is there any "structural steel" material to be provided per spec section 05 12 00 – Supply of Misc. and Structural Steel Material?
- d. Spec Section 05 50 00 Metal Fabrications which includes the fabrication and installation wide flange members, HSS, bars, angles, etc. Can this sole section be utilized?
- e. Is AISC certification required for fabrication as this would seem excessive for walkways?
- f. Is ASIC certification required for erection as this would seem excessive for walkways?

RESPONSE 53:

- a. All noted specifications are required. Please identify any specific contradictions that should be addressed.
- b. Walkways/Platforms are considered structural steel.
- c. Walkways/Platforms are considered structural steel.
- d. No. All specifications are required.
- e. AISC certification is not required for fabrication of the walkways. The specification will be updated in the Conformed Documents.
- f. AISC certification is not required for erection of the walkways. The specification will be updated in the Conformed Documents.

BIDDER QUESTION 54: All conduit and cabling for the CWPBFS does not appear on the official Cable Schedule, correct? If so, do we include all costs for new conduit and cable?

RESPONSE 54: All components including conduit and cabling associated with the CWPBFS is part of the 1420 scope of supply. Cable and Conduit from the CWPBFS area shall be as-built by 1420 into master schedules.

BIDDER QUESTION 55: All instrumentation shown on Sht. P-500 and P-550 does not appear on the official Cable Schedule, correct? If so, do we include all costs for new conduit and cable? Or do some of these instruments come pre-wired from the skid vendor?

RESPONSE 55: For basis of bid, assume that all aspects of all instruments on the referenced documents are included in the 1420 scope of supply and will be as-built by 1420 into master schedules. 1420 Contractor is responsible for supply and installation of equipment skids shown on the referenced sheets.

BIDDER QUESTION 56: All high voltage conduit and cabling for the SSYRD needed to extend the incoming and outgoing feeders do not appear on the official Cable Schedule, correct? If so, do we include all costs for this new conduit and cable?

RESPONSE 56: For basis of bid, assume that 1420 Contractor is responsible for described scope, including as-built into master schedules.

BIDDER QUESTION 57: What size new manhole/vault is required for the SSYRD, or where are the details for this item?

RESPONSE 57: Refer to Attachment 10.g in Addendum 4.

BIDDER QUESTION 58: All 120V and 480V conduit and cabling for the new T6 transformer for CWPCTG.6 does not appear on the official Cable Schedule, correct? If so, do we include all costs for new conduit and cable? And where do all these cables land?

RESPONSE 58: For basis of bid, assume that 1420 Contractor is responsible for described scope, including as-built by 1420 into master schedules. The power source for these circuits will be from spare services within the existing infrastructure located in the CWPCTG.6 electrical equipment room

BIDDER QUESTION 59: A portion of ductbank is missing that connects the utility rack to the manhole at WPCPYRD (Sht. CMPYRD-E-T-C2_10-60) that is needed to get the new high voltage wiring from WPCAX to the new T6 transformer, and all this work is not shown or listed in Spec 26 00 10 - 1.02 - C, correct? If so, is this work needed under this contract?

RESPONSE 59: For basis of bid, assume that the 1420 Contractor is responsible for the described scope, including as-built documentation.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

TO: Sewerage and Water Board of New Orleans
625 St. Joseph Street
New Orleans, LA 70165

BID FOR: CONTRACT 1420: WPC PHASE 1
INSTALLATION AND
COMMISSIONING

(Owner to provide name and address of owner)

(Owner to provide name of project and other identifying information)

The undersigned bidder hereby declares and represents that she/he: a) has carefully examined and understands the Bidding Documents, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) has personally inspected and is familiar with the project site, and hereby proposes to provide all labor, materials, tools, appliances and facilities as required to perform, in a workmanlike manner, all work and services for the construction and completion of the referenced project, all in strict accordance with the Bidding Documents prepared by: Jacobs Engineering Group and dated: November 2023.

(Owner to provide name of entity preparing bidding documents.)

Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) _____ .

TOTAL BASE BID: For all work required by the Bidding Documents (including any and all unit prices designated "Base Bid" * but not alternates) the sum of:

_____ Dollars (\$ _____)

ALTERNATES: For any and all work required by the Bidding Documents for Alternates including any and all unit prices designated as alternates in the unit price description.

Alternate No. 1 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

_____ Dollars (\$ _____)

Alternate No. 2 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

_____ Dollars (\$ _____)

Alternate No. 3 *(Owner to provide description of alternate and state whether add or deduct)* for the lump sum of:

_____ Dollars (\$ _____)

NAME OF BIDDER: _____

ADDRESS OF BIDDER: _____

LOUISIANA CONTRACTOR'S LICENSE NUMBER: _____

NAME OF AUTHORIZED SIGNATORY OF BIDDER: _____

TITLE OF AUTHORIZED SIGNATORY OF BIDDER: _____

SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER **: _____

DATE: _____

THE FOLLOWING ITEMS ARE TO BE INCLUDED WITH THE SUBMISSION OF THIS LOUISIANA UNIFORM PUBLIC WORK BID FORM:

* The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

** **A CORPORATE RESOLUTION OR WRITTEN EVIDENCE** of the authority of the person signing the bid for the public work as prescribed by LA R.S. 38:2212(B)(5).

BID SECURITY in the form of a bid bond, certified check or cashier's check as prescribed by LA R.S. 38:2218(A) attached to and made a part of this bid.

LOUISIANA UNIFORM PUBLIC WORK BID FORM

UNIT PRICE FORM

TO: Sewerage and Water Board of New Orleans
625 St. Joseph Street, New Orleans LA 70165

BID FOR: CONTRACT 1420:
WPC PHASE 1 INSTALLATION AND COMMISSIONING

(Owner to provide name and address of owner)

(Owner to provide name of project and other identifying information)

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Offload SFC-1 Equipment: Receive, offload, assemble and install all SFC-1 equipment and enclosures provided by C1417 OEM and/or Contractor including but not limited to SFC Power Electronics enclosure, 60Hz Transformer, 25Hz Transformer, and all associated electrical and mechanical equipment shipped inside and outside the enclosure. Set and install enclosure to permanent weatherproofed condition. Complete installation and interconnection of power and control wiring between all SFC-1 equipment through electrical raceways provided by other Contracts and this Contract. The enclosure's HVAC system shall be started, calibrated, operated and maintained via Contractor supplied temporary power system.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
1	1	LS		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Interconnect SFC-1 Equipment: Installation, interconnection, and testing of electrical and control cable from SFC-1 to 24kV termination points at WPCAUX PDC-2, 6.6kV termination points at SSCC, and 480V termination points at WPCAUX PDC-1. Cable and wire installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
2	1	LS		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Offload SFC-2 Equipment: Receive, offload, assemble and install all SFC-2 equipment and enclosures provided by C1417 OEM and/or Contractor including but not limited to SFC Power Electronics enclosure, 60Hz Transformer, 25Hz Transformer, and all associated electrical and mechanical equipment shipped inside and outside the enclosure. Set and install enclosure to permanent weatherproofed condition. Complete installation and interconnection of power and control wiring between all SFC-2 equipment through electrical raceways provided by other Contracts and this Contract. The enclosure's HVAC system shall be started, calibrated, operated and maintained via Contractor supplied temporary power system.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
3	1	LS		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Interconnect SFC-2 Equipment: Installation, interconnection, and testing of electrical and control cable from SFC-2 to 24kV termination points at WPCAUX PDC-2, 6.6kV termination points at SSCC, and 480V termination points at WPCAUX PDC-1. Cable and wire installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
4	1	LS		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Offload WPCAUX PDC-1 Equipment: Receive, offload, assemble and install all equipment and enclosures associated with PDC-1 provided by the C1427 OEM and/or Contractor including but not limited to PDC-1 enclosure and all associated electrical and mechanical equipment shipped inside and outside the enclosure. Set and install enclosure to permanent weatherproofed condition. Complete installation and interconnection of power and control wiring between all PDC-1 equipment through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Enclosure's HVAC system shall be started, calibrated, operated and maintained via Contractor supplied temporary power system.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION <i>(Quantity times Unit Price)</i>
5	1	LS		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Interconnect WPCAUX PDC-1 Equipment: Installation, interconnection, and testing of electrical and control cable from PDC-1 to 4.16kV termination points at WPCCTG.7 EER, low voltage termination points at WPCAUX XFMR 301A, low voltage termination points at WPCAUX XFMR 401A. Cable and wire			
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	installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
6	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Offload WPCAUX PDC-2 Equipment: Receive, offload, assemble and install all equipment and enclosures associated with PDC-2 provided by the C1427 OEM and/or Contractor including but not limited to PDC-2 enclosure and all associated electrical and mechanical equipment shipped inside and outside the enclosure. Set and install enclosure to permanent weatherproofed condition. Complete installation and interconnection of power and control wiring between all PDC-2 equipment through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Enclosure's HVAC system shall be started, calibrated, operated and maintained via Contractor supplied temporary power system.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
7	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Interconnect WPCAUX PDC-2 Equipment: Installation, interconnection, and testing of electrical and control cable from PDC-2 to 24kV termination points at SSWPC, 24kV termination points at WPCCTG.7 GSU, 24kV termination points at CWPYRD, 4.16kV termination points at WPCAUX XFMR 301A. Cable and wire installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
8	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Offload and Install CTG-7 Equipment: Receive, offload assemble and install CTG-7, EER, Fuel Gas Compressor, Lube oil fans, auxiliary transformer, support structures and all associated electrical, mechanical, and structural components provided by C1438 OEM and/or Contractor. Provide materials and qualified personnel to complete mechanical installation of all C1438 equipment and components. Complete installation and interconnection of power and control wiring between all CTG-7 equipment through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. EER's HVAC system shall be started, calibrated, operated and maintained via Contractor supplied temporary power system.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
9	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ CTG 6 GSU Transformer: Receive, offload, assemble and set CTG 6 GSU Transformer provided by C1440 OEM. Connect, operate and maintain temporary heaters. Complete installation and interconnection of power and control wiring between GSU equipment through electrical raceways provided by other Contracts and this Contract. Installation, interconnection, and testing of electrical and control cable from CTG 6 GSU to 24kV termination points, 13.8kV termination points, and 480V termination points. Cable and wire installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item. Includes but is not limited to decommissioning, removal, salvage and reconfiguration of existing T6 transformer, feeders, control wiring, and associated switchgear cubicles.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
10	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ CTG 7 GSU Transformer: Receive, offload, assemble and set CTG 7 GSU Transformer provided by C1440 OEM. Connect, operate and maintain temporary heaters. Complete installation and interconnection of power and control wiring between GSU equipment through electrical raceways provided by other Contracts and this Contract. Installation, interconnection, and testing of electrical and control cable from CTG 7 GSU to 24kV termination points, 13.8kV termination points, and 480V termination points. Cable and wire installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
11	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Balance of Plant (WPC Area): Provide Contractor supplied Balance of Plant Mechanical, Electrical, Controls and Instrumentation equipment and components, piping, wire and cable. Install all BOP equipment, piping, wire and cable including Owner supplied components in the WPC area. Includes, but is not limited to WPCAUX transformers, fuel oil piping, air compressors, fuel oil day tank and pumps, and all associated grouting, platforms, supports.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)

12	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Fuel Oil System (outside WPC Area): Provide Contractor supplied Fuel Oil system Mechanical, Electrical, Controls and Instrumentation equipment and components, piping, wire and cable and install all Fuel Oil equipment, piping, wire and cable including Owner supplied components outside the WPC area. Includes, but is not limited to Electrical components, Fuel Oil Forwarding Pump Skid, all associated grouting, platforms, supports, as well as tie-in to existing facility and/or WPC. Supply and Installation of Fuel Oil Single and Double Wall Containment Piping, Supports, and Tie-ins, Including Supply and Installation of Leak Detection System.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
13	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Natural Gas Piping: Provide and install Contractor supplied gas pipe to interconnect natural gas piping at Utility meter to the existing natural gas pipe at the east end of the Utility Rack, and to interconnect the existing natural gas pipe at the west end of the Utility Rack to the WPC CTG7 Fuel Gas Compressor. Includes, but is not limited to, piping, underground routing, tie-in, and testing.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
14	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical/Controls Raceway (WPCUR Interface): Provide Contractor delegated designed and supplied raceway to interconnect WPCUR raceway to SSCC, including but not limited to East Transition Structure Non-Segregated bus duct interface. Provide Contractor delegated designed and supplied raceway interface at the Eastern end of the WPCUR including but not limited to interface with ground level raceway infrastructure.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
15	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Electrical/Controls Raceway (Utility Connection): Provide Contractor supplied raceway to interconnect WPC infrastructure to the Utility Substation. Includes, but is not limited to, above ground raceway through the SFC area from PDC-2 to the Utility tie-in point, and coordination with the Utility.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
16	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Relay Settings and Configuration: Supply and implement protective relays as outlined in the Contract Documents. Includes but is not limited to Contractor determined relay settings and configuration, and power quality protection validation.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
17	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Load Bank Relocation: Relocation and configuration of existing Load Bank to the WPCAUX systems. Includes but is not limited to coordination with the Load Bank OEM to confirm adequacy-for-purpose.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
18	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Platforms - SFC Area: Fabricate and install elevated steel platforms, handrails, and ancillary items in the SFC work area. Shop drawings and fabrication shall be based on Contractor-verified dimensions of Owner-provided structures equipment and enclosures. Includes but is not limited to testing and inspection services.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
19	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Platforms – CTG-7 Area: Fabricate and install elevated steel platforms, handrails, and ancillary items in the CTG-7 work area. Shop drawings and fabrication shall be based on Contractor-verified dimensions of Owner-provided structures equipment and enclosures. Includes but is not limited to testing and inspection services.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
20	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Platforms – BOP/Aux Area: Fabricate and install elevated steel platforms, handrails, and ancillary items in the BOP/AUX work area. Shop drawings and fabrication shall be based on Contractor-verified dimensions of Owner-provided structures equipment and enclosures. Includes but is not limited to testing and inspection services.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)

21	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ PDCS: Supply of and integration of components into the Power Distribution Control System (PDCS). Including but not limited to integrating new nodes and upgrading existing nodes with network configuration updates, HMI updates, historian updates, safety light modifications, cardkey configuration, making ready for GCS implementation, adding pre-programmed sequences, developing shift reports, adding/modifying/updating OTI-PI interfaces, and adding all associate cable and raceway necessary cable and raceway for EWS and printer network connection to the PDCS. PDCS scope is included in the following Functional Areas: CWGCC, CWPCTG.6, CWPENG, CWPELS, CWPSHP, CWPL4G3, CWPPH, CWPYRD, SSCC, SSCLA, SSHAM, SSPFC, SSSYC, SSWPC, SSYRD, WPCAUX, WPCCTG.7, WPCSFC1, WPCSFC2. Specific requirements for each PDCS node are defined in the Contract Documents.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
22	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ 25Hz Outside Switchgear: Install new switchgear. Provide and install new manhole and ductbanks. Reroute and terminate feeders associated with the 25Hz SSYRD. Repurpose spare SSYRD switchgear breaker. Includes but is not limited to testing and commissioning cables and switchgear.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
23	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ 60Hz Outside Switchgear Area (CWPYRD): Install new ductbank to connect existing west manhole to existing south manhole. Reconfigure XFMR B primary tap from 13.8kV to 24kV. Supply, install, configure, and commission SEL 787 transformer protection relay. Relocate PH MCC 5 from PFC to CWPYRD. Includes but is not limited to testing and commissioning cables and switchgear.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
24	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Security and Fire Protection Systems: Provide, install, and commission all components required for the Security and Fire Protection Systems, including but not limited to cardkey configuration, CCTV configuration, and addressable fire alarm system with partial emergency communication. Coordinate and install fiber, power, and control cables supplied under C1435. Complete all interconnection, testing and commissioning.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
25	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cathodic Protection: Provide, install and commission Cathodic Protection Systems. Interconnect and commission Utility Rack cathodic protection components supplied and installed by others under C1418. Supply, install, interconnect and commission all other cathodic protection components as indicated in the Contract Documents. Includes installation of power and control cable supplied under C1435 and/or Contractor.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
26	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Equipment Grounding: Interconnect and commission grounding system. Includes but not limited to connecting grounding grid installed under C1415 to all equipment installed by Contractor.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
27	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Lighting: Interconnect and commission Utility Rack Lighting components supplied and installed by others under C1418. Supply, install, interconnect and commission all other equipment lighting as indicated in the Contract Documents. Includes installation of power and control cable supplied under C1435 and/or Contractor.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
28	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Cable Management: Shipping, management and coordination of Owner supplied power and control cables provided under C1435, located at a storage facility not to exceed 400 miles from the project site. Includes direct communication with C1435 supplier regarding management and coordination of the C1420 construction schedule and C1435 material supply.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
29	1	LS		

DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Commissioning Agent Services: Includes but is not limited to facilitating all items related to Construction Completions, Equipment Commissioning and Functional Testing, Facility Startup and Performance Testing, and Integrated Facility Testing. Provide and maintain a Completions Management System. Prepare Inspection and Test Plans. Prepare Operation Test Procedures. Develop Use Cases. Lead facility startup meetings. Develop and maintain a schedule. Prepare documentation, record results and report findings. Commissioning Agent Services will be coordinated with personnel associated with the Owner, Contractor, and OEM/Suppliers.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
30	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Equipment Startup/Commissioning (SFCs and PDCs): Startup and Commissioning of SFC-1, SFC-2, PDC-1, PDC-2 including all associated equipment and components provided by C1417 OEM and C1427 OEM and/or Contractor. Startup and Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, and OEM/Supplier.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
31	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Equipment Startup/Commissioning (CTG-7): Commissioning of CTG-7 including all associated equipment and components provided by C1438 OEM and/or Contractor. Startup and Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, and OEM/Supplier.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
32	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Equipment Startup/Commissioning (GSUs): Commissioning of CTG6-GSU and CTG7-GSU including all associated equipment and components provided by C1440 OEM and/or Contractor. Startup and Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, and OEM/Supplier.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
33	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Equipment Startup/Commissioning (Contractor Supplied WPC Area): Commissioning of all other components in the WPC including but not limited to BOP area components provided by Contractor. Startup and Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, and OEM/Supplier.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
34	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Equipment Startup/Commissioning (Contractor Supplied outside WPC Area): Commissioning of all other components outside the WPC including the Fuel Oil System provided by Contractor. Startup and Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, and OEM/Supplier			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
35	1	LS		
DESCRIPTION:	<input checked="" type="checkbox"/> Base Bid or <input type="checkbox"/> Alt.# ___ Integrated Commissioning: Services associated with Integrated Commissioning and implementation of all Use Cases developed by the Commissioning Agent. Integrated Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, OEM/Suppliers, and Utility.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
36	1	LS		
DESCRIPTION:	<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt.# <u>1</u> Offload SFC-3 Equipment: Receive, offload, assemble and install all SFC-3 equipment and enclosures provided by C1417 OEM and/or Contractor including but not limited to SFC Power Electronics enclosure, 60Hz Transformer, 25Hz Transformer, and all associated electrical and mechanical equipment shipped inside and outside the enclosure. Set and install enclosure to permanent weatherproofed condition. Complete installation and interconnection of power and control wiring between all SFC-3 equipment through electrical raceways provided by other Contracts and this Contract. The enclosure's HVAC system shall be started, calibrated, operated and maintained via Contractor supplied temporary power system.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)

37	1	LS		
DESCRIPTION:	<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt.# _2_ Interconnect SFC-3 Equipment: Installation, interconnection, and testing of electrical and control cable from SFC-3 to 24kV termination points at WPCAUX PDC-2, 6.6kV termination points at SSCC, and 480V termination points at WPCAUX PDC-1. Cable and wire installation will be through electrical raceways provided by other Contracts and through raceways provided and installed by this Contract, which are included in this bid item. Includes but is not limited to coordination with the C1435 Supplier regarding readiness of electrical and control cable required for this bid item.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
38	1	LS		
DESCRIPTION:	<input type="checkbox"/> Base Bid or <input checked="" type="checkbox"/> Alt.# _3_ Equipment Startup/Commissioning (SFC-3): Startup and Commissioning of SFC-3 including all associated equipment and components provided by C1417 OEM and/or Contractor. Includes Integrated Commissioning of SFC-3: Commissioning Agent services associated with Integrated Commissioning and Implementation of Use Cases associated with SFC-3. Startup and Commissioning efforts and Integrated Commissioning efforts will be facilitated by the Commissioning Agent and coordinated with personnel associated with the Owner, Contractor, and OEM/Supplier.			
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	UNIT PRICE EXTENSION (<i>Quantity times Unit Price</i>)
39	1	LS		

Wording for “DESCRIPTION” is to be provided by the Owner.

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

1-2 ADDITIONAL REQUIREMENTS

All blank spaces in this Proposal section shall be filled. A bid price shall be indicated for each bid item. Bids received without all such items completed will be considered non-responsive. The bid shall contain an acknowledgement of receipt of all Addenda in space provided. The Louisiana Uniform Public Work Bid Form & Unit Price Form (if applicable) and the amount of Deposit or Bid Bond five percent (5%) of the total amount of the proposal is REQUIRED to be submitted in a sealed envelope on bid opening date. The two (2) lowest numerical bidders have three (3) days after the bid opening (exclusive of Saturdays, Sundays and Holidays) to submit any additional information such as (Voluntary Extension Sheet, Affidavit, Economically Disadvantage Business Summary Sheet if applicable) as well as requirements of Sections 1-3 through 1-6 below. Failure to do so will render the bid non-responsive.

1-3 BIDDER DECLARATION

_____ do hereby declare that _____ the only person _____ interested in this proposal and that no other person than the one _____ herein named have any interest herein or in the contract proposed to be taken; that it is made without any connection with any other person or persons making proposal for the same work and that it is in all respects fair and without collusion or fraud; also that no member of the Sewerage and Water Board or of the City Council of the City of New Orleans or any officer or employee of the City of New Orleans or of the several boards thereof, who are by law excluded from participation herein, and directly or indirectly interested herein or in furnishing bond or in any portion of the profits hereof.

_____ do hereby also declare that _____ have LOUISIANA CONTRACTOR'S LICENSE in the field of _____ with NUMBER _____.

And _____ do further declare that _____ have carefully examined the annexed specifications and the drawings furnished, and personally inspected the ground and that _____ will contract to provide the necessary tools, machinery and apparatus and other means of construction, and to furnish all labor and material specified in this contract or called for by the plans, necessary to complete the work in the manner specified and within the time mentioned in the specifications and according to the requirements of the Engineer, as herein set forth.

1-4 In accordance with Louisiana Revised Statute 38:2227 the following affidavit shown on the next page must be submitted with the bid, or no later than 3 days after the bid opening (excluding Saturdays, Sundays, and Holidays). Failure to do so will render the bid non-responsive. **Please note, THE AFFIDAVIT MUST BE NOTARIZED.**

1-5 GUARANTEES

_____ guarantee that the whole of the work under this contract will be substantially completed within **[430]** calendar days after the date of the "Commencement of Contract Times."

In case of delay in the completion of the contract beyond the contract time of completion as determined by the Board hereby agree to pay, as liquidated damages, the sum of **Twenty Thousand Dollars (\$20,000.00)** for each calendar day of such delay, which liquidated damages shall become due by the mere elapsing of the delay without the necessity of putting _____ in default.

1-6 EMERGENCY PROCEDURES

Contractor must furnish telephone numbers for routine or emergency telephone calls.

NAME _____ TITLE _____

TELEPHONE NO.:
NORMAL CALLS _____

EMERGENCY

Please write legibly



SEWERAGE & WATER BOARD OF NEW ORLEANS ATTENDANCE SHEET

PROJECT: -Pre-Bid Conference: 2023-SWB-97 Contract 1420 West Power Complex Phase Equipment Installation and Commissioning #2		MEETING DATE: December 18, 2023. 11:00 A.M.
PLACE/ROOM: Carrollton Water Plant Auditorium Room E202		FACILITATOR: Connor Metcalf, Procurement Analyst
NAME	COMPANY	EMAIL
Connor Metcalf	SWBNO	Cmetcalf@swbno.org
Jacob Ralser	MRPG	Jacob@mrpittman.com
Joel Tillery	Jacobs	joel.tillery@jacobs.com
Adam Solino	SWBNO	asolino@swbno.org
Kaitlin Tymrak	SWBNO	Ktymrak@swbno.org
Roy Snover	Jacobs	Roy.snover@jacobs.com

Please write legibly



SEWERAGE & WATER BOARD OF NEW ORLEANS ATTENDANCE SHEET

PROJECT: -Pre-Bid Conference: 2023-SWB-97 Contract 1420 West Power Complex Phase Equipment Installation and Commissioning #3		MEETING DATE: January 23, 2024. 11:00 A.M.
PLACE/ROOM: St Joseph Purchasing Conference Room 131		FACILITATOR: Connor Metcalf, Procurement Analyst
NAME	COMPANY	EMAIL
Connor Metcalf	SWBNO	Cmetcalf@swbno.org
Bill Ducote	Frischhertz/Barnes, A Joint Venture	bducote@wjbe.com
Derek Tompkins	Primoris Energy Services	dtompkins@Prim.com
Kaitlin Tymrak	SWBNO	Ktymrak@swbno.org
Theron Levi	SWBNO	tlevi@swbno.org
Ryan Frischhertz	Frischhertz/Barnes, A Joint Venture	ryan@frischhertz.com
Bill Ellis	Frischhertz/Barnes, A Joint Venture	Bellis@wjbe.com
Roy Snover	Jacobs	Roy.snover@jacobs.com

The above revisions shall be incorporated in and take precedence over any conflicting part of the original proposal documents. This addendum is hereby officially made a part of the referenced proposal.

Receipt of this addendum shall be acknowledged by inserting its number and date in the space provided in the Form of Proposal.

This addendum consists of twenty-six (26) pages.

*** END OF ADDENDUM ***