Addendum No. 2

CHALK BLUFF IMPROVEMENTS PROJECT PART A – OPERATIONS BUILDING AND PROJECT PART B – UPS UPGRADES

PWP Bid No.: WA-2017-008
TMWA Capital Project No.: 11-0001
October 18, 2016

The following information, clarifications, changes and modifications are by reference incorporated into the bid documents for the above referenced project. Any work item or contract provision not changed or modified will remain in full force and effect. The bid date and time and construction schedule remain the same.

QUESTIONS AND RESPONSES

Question No. 1: Looks like there are four (4) doors on this project. Who is responsible for the electrified locking hardware?

Response to Question No. 1: The General Contractor is responsible for dictating responsibility in providing all door hardware per the hardware schedule in the specifications.

Question No. 2: The door rough-in detail E/B-E0.6 shows a double door. Is this a future door and do we have any work on this at this time?

Response to Question No. 2: The double door indicated is part of Project Part B as documented.

Question No. 3: Sheet note 9 – "Contractor shall coordinate model and manufacture of system with the owner prior to bid". The existing access control system's manufacturer offers 4 door, 8 door and 16 door controllers. Which panel does the customer want for this project? 8 reader panel makes most sense since they have two (2) future doors.

Response to Question No. 3: See previously issued Addendum 1.

Question No. 4: Spec 271518 2.2 – Data cables to be plenum rated. Will the HDMI cabling be plenum rated as well?

Response to Question No. 4: Yes, all cabling shall be plenum rated.

Question No. 5: E2.1 – Sheet note 2 states to run HDMI cables to the data rack. Please clarify how the data rack location will be terminated, panel, equipment, etc.

Response to Question No. 5: All HDMI Cables shall be routed to the data rack with enough slack in them for termination at any point in the rack by the owner. They shall have standard HDMI ends for easy connection to owner's equipment.

Question No. 6: E2.1 – Will the HDMI in sheet note 4 be ran to the data rack as well?

Response to Question No. 6: Yes, these HDMI Cables will be routed to the same data rack as the other cables shown in the drawings and shall be left in the cabinet following the same instructions listed in the response to question 5.

Question No. 7: E2.1 – Sheet note 5 instructs to install a ceiling projector mount and path to a wall junction box. Please clarify the locations on the floor plan.

Response to Question No. 7: Reference Sheet Note 5 to the projector mount and junction box shown in floor plan in the center of the Break Room 819. Data cable and raceways described in note 5 are to be routed to junction box shown at the south east corner of the room in the common wall between Break Room 819 and IT Room 817.

Question No. 8: E2.1 – Please clarity method of termination for the voice cables. To patch panel or 110 x-connect.

Response to Question No. 8: Voice cables shall be terminated at the 110 X-Connect. Contractor shall verify this with the owner on the job to ensure that no changes to the phone system have taken place between bid and start of construction.

Question No. 9: B-E1.1 – Floor plan shows existing access control panel for the new card reader for the UPS room. Is there a reader position available in existing access control panel? Please clarify what is existing in access control panel.

Response to Question No. 9: The existing access control panel contains two empty slots. In addition, see description of the required new access panel and card readers in Addendum 1.

Question No. 10: 1. **Instructions** it says "See Supplemental Conditions for the TMWA project category required for this project."
I do not find it in Supplemental… do you know where I can find it?

Response to Question No. 10: TMWA would refer you to the Instructions to Bidders section L Bidders Representation Item 9. The category is identified as office improvements and UPS upgrade.

Question No. 11: 2. **Clients** It asks for a TMWA Project Category for each of the clients. I may have slightly different categories for some clients. where do I find a list of TMWA project categories?

Response to Question No. 11: Please refer to the response to Question No. 10 above**.**

Question No. 12: Sheet E2.2, note 2, references a fire alarm panel. What kind of fire alarm panel is existing? What is the model number? Where is this fire alarm panel located? Is this a conventional fire alarm panel, and if it is, are there free circuits? Are there other devices needed besides the duct detectors, or is it a design build with a change order after the job is awarded?

Response to Question 12: See Deletion to the Contract Item A2.3 below.

Question No. 13: In reference to 024126-5, 3.4 of the specifications. Is storage supplied for equipment removed until owner reviews the salvage list? And if it is not supplied, to minimize storage needs, how long will it take for the owner to make this decision?

Response to Question 13: Disregard owner review of salvage list. The owner is not interested in any salvage materials or equipment.

ADDITION TO THE CONTRACT

Addendum Item 2.1: Reference attached revised sheets P0.1 Plumbing Schedule and P2.1Plumbing Floor Plan, revision date 11/6/2015, for added Hot Water Dispenser and associated plumbing requirements.

Addendum Item A2.2: Contractor shall provide electrical work required for 'Hot Water Dispenser' listed above, including power receptacle with switch and all circuiting and raceway required for the installation. Power shall be provided from panel 8-1-1, Circuit 24.

DELETION TO THE CONTRACT

Addendum Item A2.3: Omit Fire Alarm System design and installation from the contract at this time. The owner will address TMWA's fire alarm requirements during construction and address the design build requirements by change order.

Attachments: Revised Sheets P0.1 and P2.1, dated 11/6/2015

End of Addendum 2.

PLUMBING FIXTURE AND EQUIPMENT SCHEDULE

MARK	FIXTURE CONNECTION	SIZE	DESCRIPTION
CP-1	HOT WATER RETURN	3/4"	CIRCULATION PUMP - B&G "E3 ECOCIRC" MODEL #E3-6 (OR APPROVED EQUAL) HOT WATER CIRCULATING PUMP WITH BRONZE BODY AND POLYPROPYLENE IMPELLER. PUMP MOTOR TO BE ELECTRONICALLY COMMUTATED MOTOR (ECM). PUMP TO BE NSF-61 "LEAD-FREE COMPLIANT." PUMP CAPACITY SHALL BE 0.5 GPM AGAINST TOTAL HEAD PRESSURE OF 5 FEET. INSTALL COMPLETE WITH AQUASTAT TO TURN PUMP ON AT 105°F AND OFF AT 120°F. PUMP TO BE UL LISTED AND CSA APPROVED. ELECTRICAL: 115V/1/60Hz, 20 WATTS
ET-1	COLD WATER	3/4"	EXPANSION TANK - WESSELS MODEL #T-5 PRE-CHARGED THERMAL EXPANSION TANK WITH FDA APPROVED BUTYL BLADDER. TANK SHALL HAVE A TANK VOLUME OF 2.1 GALLONS AND AN ACCEPTANCE VOLUME OF 1.3 GALLONS WITH A 150 PSI MAXIMUM WORKING PRESSURE, 210°F MAXIMUM WORKING TEMPERATURE, AND 12 PSI FACTORY PRESET PRESSURE. UNIT SHALL BE NSF LISTED AND BE DESIGNED AND BUILT FOR USE ON FRESH POTABLE WATER SYSTEMS.
GCO-1	WASTE	SEE DRAWINGS	GRADE CLEANOUT - ZURN MODEL Z1402 (OR APPROVED EQUAL) LAQUERED CAST IRON CLEANOUT, THREADED BRONZE PLUG FOR AIR TIGHT SEAL AND CAST IRON NON-ADJUSTABLE TOP ASSEMBLY WITH VANDAL PROOF SCREWS. PROVIDE WITH HEAVY DUTY ACCESS HOUSING WITH FIXED ANCHOR FLANGES, EXTRA HEAVY DUTY DUCTILE IRON ACCESS COVER WITH 6-1/2" CLEAR BOTTOM ACCESS.
GD-1	SANITARY	2"	GARBAGE DISPOSAL - INSINKERATOR MODEL BADGER 5 (OR APPROVED EQUAL) 1/2HP GARBAGE DISPOSAL WITH DISHWASHER DRAIN CONNECTION AND ELECTRICAL CORD. ELECTRICAL: 120V/1ø/60Hz 3/4HP. PROVIDE SWITCH OPERATED RECEPTACLE.
HWD-1	COLD WATER	1/2"	HOT WATER DISPENSER - INSINKERATOR MODEL H-VIEW-SS (OR APPROVED EQUAL), INSTANT HOT WATER DISPENSER WITH 2/3 GALLON STAINLESS STEEL TANK. DISPENSER SHALL HAVE AN ADJUSTABLE OUTLET TEMPERATURE FROM 160°F TO 210°F. ELEC: 120/1Ø/60HZ, 750 WATTS
S-1	COLD WATER	1/2"	SINK - ELKAY MODEL #LRAD221955R (OR APPROVED EQUAL) SINGLE BOWL, 18 GAUGE, TYPE 304 STAINLESS STEEL, SELF-RIMMING SINK WITH OVERALL DIMENSION OF 22"x19-1/2"x5-1/2"D AND 18"X14" BOWL WITH A FOUR-HOLE PUNCHING (ONE FOR HWD-1 DISPENSER). FAUCET TO BE CHICAGO MODEL 50-E35-317XKABCP (OR APPROVED EQUAL) DECK MOUNTED SINGLE HOLE HOT AND COLD WATER MIXING SINK FAUCET, POLISHED CHROME PLATED SOLID BRASS CONSTRUCTION WITH 4" METAL WRISTBLADE HANDLES WITH RE-BUILDABLE COMPRESSION CARTRIDGE, OPENS AND CLOSES 90°. FAUCET TO BE NSF-61 "LEAD FREE" COMPLIANT. FURNISH WITH #LKVR18 GRID STRAINER, 1-1/2" TAILPIECE, AND NSF-61 "LEAD FREE" COMPLIANT SPEEDWAY SUPPLIES AND ANGLE STOPS. 1
	WASTE	2"	
	TRAP	1¼"x1½"	
	VENT	1½"	

PLUMBING ABBREVIATIONS

AFF/AFG	ABOVE FINISHED FLOOR/GRADE
A	AMPERE
BFF/BFG	BELOW FINISHED FLOOR/GRADE
BTUH	BRITISH THERMAL UNITS PER HOUR
CFH	CUBIC FEET PER HOUR
DN	DOWN
DP	DIFFERENTIAL PRESSURE
EFF	EFFICIENCY
(E)	EXISTING
EWT/LWT	ENTERING/LEAVING WATER TEMPERATURE
FLA	FULL LOAD AMPERES
FPS	FEET PER SECOND
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HZ	HERTZ
KW	KILOWATT
LBS	POUNDS
MAX	MAXIMUM
MBH	THOUSAND BRITISH THERMAL UNITS PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
(N)	NEW
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RPM	REVOLUTIONS PER MINUTE
(RX)	REMOVE EXISTING
TDH	TOTAL DYNAMIC HEAD
(TR)	TO REMAIN
TYP	TYPICAL
V	VOLTS
W	WATT
WC/WG	WATER COLUMN/GAUGE

PLUMBING SYMBOL LEGEND

SYMBOL	ABBR.	DESCRIPTION
	CW	COLD WATER
		EQUIPMENT OR CONDENSATE DRAIN PIPING
	HW	HOT WATER
	HWR	HOT WATER RETURN
	S OR W	SOIL OR WASTE PIPING ABOVE GRADE
	S OR W	SOIL OR WASTE PIPING BELOW GRADE
	V	VENT PIPING
	BFP	BACKFLOW PREVENTER
	BV	BALL VALVE
	BFV	BUTTERFLY VALVE
	CV	CHECK VALVE
	CO,WCO	CLEANOUT OR WALL CLEANOUT
	FLEX	FLEXIBLE PIPE CONNECTOR
	FCO,GCO	FLOOR CLEANOUT OR GRADE CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	FCV	FLOW CONTROL (BALANCE) VALVE
	GV	GATE VALVE
	HB	HOSE BIBB
	PA	PIPE ANCHOR
		PIPE ALIGNMENT GUIDE
		PIPE BRANCH, TOP CONNECTION
		PIPE BRANCH, BOTTOM CONNECTION
		PIPE BREAK
		PIPE CAP OR PLUG
		PIPE DROP
	ELL	PIPE ELBOW
		PIPE ELBOW DOWN
		PIPE ELBOW UP
	EJ	PIPE EXPANSION JOINT
		PIPE RISER
		PIPE TEE
	POC	POINT OF CONNECTION
P T		PRESSURE GAUGE, TEMPERATURE GAUGE
	P	PUMP
	STR	STRAINER
		UNION
	VTR	VENT THROUGH ROOF
	WHYD	WALL HYDRANT

PLUMBING SHEET LIST

ENGINEERING
5434 LONGLEY LANE
RENO, NEVADA 89511
PHONE:(775) 826-1919
FAX: (775) 826-1918
PROJECT NO: 108216

REVISION	DESCRIPTION	BY	APP	DATE
1	OWNER REVISION			10/18/16

WORK ORDER NO.
DESIGNED CL
DRAWN MGB
DATE September 7, 2016
CHECKED CLR
SUBMITTED
RECOMMENDED
APPROVED

TRUCKEE MEADOWS WATER AUTHORITY
1355 CAPITAL BLVD. / PO BOX 30013
RENO, NEVADA 89520-3013
PH 775-834-8000 / FX 775-834-8003

TMWA CHALK BLUFF IMPROVEMENTS
PROJECT PART A - OPERATIONS BUILDING

Plumbing Schedules

100% CONTRUCTION DOCUMENTS

HOOFT
ARCHITECTURE
3376 Laveaga Court, Sparks, NV 89431
775.233.1222

SHEET NUMBER
P0.1
PROJECT PART A
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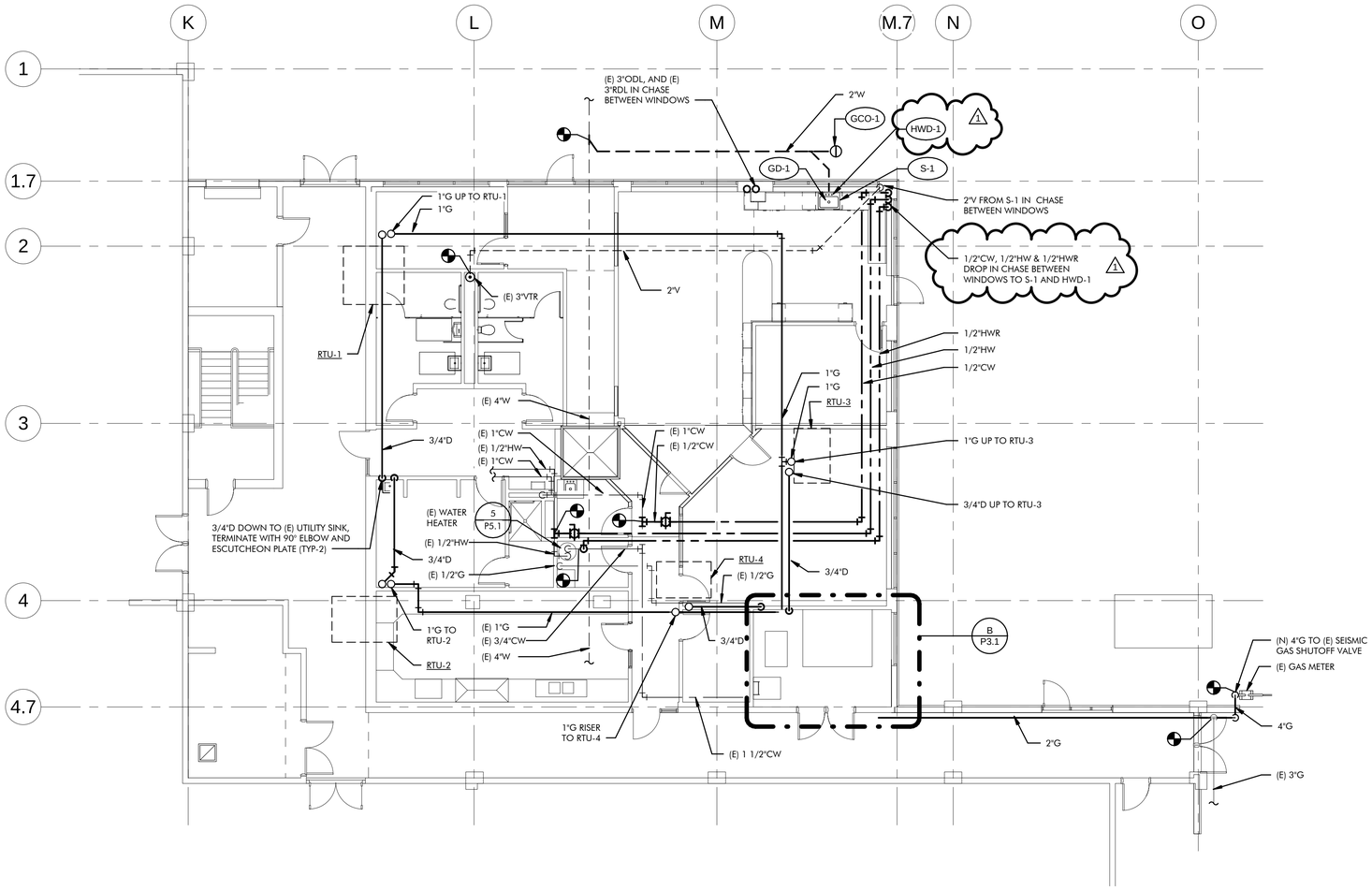

PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"

A
P2.1

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TMWA CHALK BLUFF IMPROVEMENTS
PROJECT PART A - OPERATIONS BUILDING

Plumbing Floor Plan

100% CONTRUCTION DOCUMENTS

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SHEET NUMBER

P2.1

PROJECT PART A

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