

ADDENDUM No. 3 FOR BID No. 188 Central Plant Mechanical Systems and Energy Loop

Date: December 12, 2011

Please replace the Pre-Bid RFI Log issued in Addendum No.1 with the attached updated log.

2. Clarification

The cover sheet for Addendum No. 1 lists Drawings to be included in Bid No. 188. The following Specification documents were also added and/or altered in Addendum No. 1.

Specifications
0000 Addendum 01 CP & DL Description
0000 Addendum 01 Drawing Index-2011-12-09
0000 Addendum 01 Pre-Bid RFI Log
00100 Notice Calling for Bidders SWC V1
000102 table of contents
00200 Instruction to Bidders SWC V1
00300 Bid Form SWC V1
<u>00410 Bid Bond SWC V1</u>
00500 Agreement SWC V1
00510 Notice of Intent to Award SWC V1
00700 General Conditions SWC V1
011200 Summary of Multiple Contracts
220500 common work results for plumbing
230900 Instrumentation and Control for HVAC
283111 Fire Alarm
336113-Underground Hydronic Energy Distribution
A-13 BBC SWC Safety Plan
C-1 CAMPUS MAP
RFI 007 -Sketch Civil Plan-C9 1-CP
RFI 019 Fencing Plan

Please visit www.southwesterncollegeproprplanroom.com to view all Addendums.

Please note that you will need to login under your company's name and password in order to download the plans. If you do not have a company login and/or password, please register with the site first. If you have questions about registering, downloading or ordering, please contact Mark Caldwell at (619) 272-5600. Obtaining copies of the bid documents is the responsibility of the bidder and any costs are non-refundable. Bidders are also responsible for checking the website noted above for any addenda that may be posted.

-END OF DOCUMENT-

Pre-b	id RFI Log										
RFI No	. Subject	Dwg	Spec	Discipline	Originator	Question	Resp by	Response	Date in	Date out	Add No
001	Valve locations	M1.2, M1.5, M1.6	33 61 13	Mech	West Coast Air	Line valves over to the nearest Anchor location to avoid having t add additional expansion loops?	DEC	Yes. This is acceptable.	12/7/2011	12/8/2011	001
002	Spec Clarification	M5.2	33 61 13	Mech	West Coast	requires that all fittings (elbows, tees, reducers, anchors) be factory prefabricated. This conflicts with Detail 8 which shows the HHW ANCHOR as bare pipe. Do the anchors need to be provided epoxy coated, pre-fabricated and pre-insulated on the pipe from the manufacturer?		Yes. Epoxy coated, pre- fabricated and pre-insulated anchors to be provided by the pipe manufacture,	12/7/2011	12/8/2011	001
002	Spec Clarification	NI3.2	33 61 13	Mecri	All	pipe offsets for the valves should these fittings be factory pre-fabricated as a custom spool to avoid having to cut	DEC	Yes. Fittings to be factory	12///2011	12/6/2011	001
	Factory Fabrication of	M1.2, M1.5,			West Coast			provided, pre-fabricated by the			
003	spool pieces	M1.6	33 61 13	Mech	Air	fabricated/insulated fittings?	DEC	pipe manufacturer.	12/7/2011	12/8/2011	001
004	Crossover Tees	M1.1, M1.2, M1.4, M1.5, M1.6 & M1.7	33 61 13	Mech	West Coast			Provide factory, pre-fabricated spools with elbows already welded to the tees.	12/7/2011	12/8/2011	001
004	Clossover rees	IN 1.0 & IVII.7	General	INIECII		I've never performed a contract that required each trade contractor to supply individual builders risk policies. Is the CM not going to purchase one		Balfour Beatty Construction the CM will purchase the Builder's Risk Insurance for the project and this Bid Package # 23 is		12/0/2011	001
005	Buildoro Biok		Condition		West Coast	policy covering all		NOT to include the insurance	12/7/2011	12/0/2011	001
005	Builders Risk		s 1.34		Air	construction?	BBC	cost in their bid.	12///2011	12/8/2011	UUT

Pre-bi	id RFI Log										
	. Subject	Dwg	Spec	Discipline	Originator	Question	Resp by	Response	Date in	Date out	Add No
006	Sanitary Facilities		General Condition s 1.63		West Coast Air	Are we to supply sanitary facilities only for our workers or also for the other trade contractors	BBC	This mechanical bid package contractor shall supply sanitary facilities for the entire duration of the project for their own work and other trades. Sanitary facilities used on energy loop work shall be transported back to fenced in area at lot J on a daily basis. Sanitary facilities to be on trailer.	12/7/2011	12/8/2011	001
						2.28.60 "Provide all mechanical work and civil work" Does this include		The building pad grading, curb and gutter, and concrete paving, around the central plant building as highlighted in yellow area is NOT included in Bid Package #23 work scope as depicted per RFI 007 Sketch C-9.1-See attached sketch. All grading, concrete work, asphalt work,patchback and all repairs beyond the highlighted yellow area on sketch C-9.1 is by this Bid Package #23. Coordinate			
007	Special Bid Package #23 Notes		2.28.60		West Coast Air	grading, curb & gutter, asphalt & concrete around plant?	BBC	work with the construction manager.	12/7/2011	12/8/2011	001

Pre-bi	d RFI Log										
	Subject	Dwg	Spec	Discipline	Originator	Question	Resp by	Response	Date in	Date out	Add No.
008	Special Bid Package #23 Notes		2.28.117	Roadway Barriers	West Coast Air	We are not having luck finding 6' tall water filled barriers. Please elaborate sourcing as we have been told that Yodock barriers are much shorter than 6'. Also, are these barriers required on each side of trench or only where potential traffic is encountered?		The Yodock system can be ordered in 32" or 42" height by 6ft length. The fencing that attaches to the top of the Yodock makes up for the 6ft height requirement as indicated on 2.28.117. The Yodock system can be rented. You may order fencing from Yodock or provide separately from a different source. The gree screen fencing can be ordered from a separate source as well. The fence assembly is by this bid package. The source contact number is Kathleen Yodock 954-931-5247 or Kathleen@yodock.com. Traffic Control Services is another vendor resource. The barriers are required on each side of the trenching.	12/7/2011	12/8/2011	001
009	Fire alarm Excavation spoil storage	C-1 thru C-	28 31 11	Elec	Siemens Jackson & Blanc	Will the fire alarm systems need to be connected to the EBI Server onsite location to stor spoils? Specifications call for contractor to tarp or heavy polyethylene and sandbag stock pile soils. During excavation all usable native soil will be stockpiled as backfill. Please confirm location for backfill spoils.	Sparling	The Fire Alarm system work is NOT included in this Bid Package and will be bid at a later date. However, the Fire Alarm System duct bank, conduits and pulllines are in this bid package #23 scope. See reply to RFI#18. Maintain backfill spoils within fenced area of work or in Lot J south of DeVore Stadium. Area to be coordinated with Construction Manager and all SWPPP requirements shall be followed.		12/8/2011	

	d RFI Log										
RFI No.	Subject	Dwg	Spec	Discipline	Originator	Question	Resp by	Response	Date in	Date out	Add No
011	Apphalt paying	C-1 thru C-	32 12 16	Civil	Jackson &	Please provide thickness of asphalt around the campus loop road and parking lots. Please confirm the compaction requirements for road patchback areas is 95%. Please indicated the new thickness of asphalt required at		Existing asphalt section is 4" AC over 12" Class II base. Compaction shall be 95% for patchback areas. New thickness of asphalt shall match existing section - 4" AC over 12" Class II base.	10/7/0011	12/8/2011	004
012	Asphalt paving CHW / HHW Underground Valve	M1.4, M1.5, M1.6, M1.7 / Detail 6/M5.2		Mech	Jackson & Blanc	Please provide butterfly Type and Model # of valve required for the U/G CHW and HHW		Provide Kennedy Valve, Series 4500 with flanged connections, epoxy coating, worm gear operated with 2" nut.		12/8/2011	
013	ADA "Z" switchback RAMP Building 850	C-2, C-7	23 05 23, 33 61 13, 23 21 13	Civil	Jackson & Blanc	through that the ADA switchback ramp would need to be removed to allow the installation of the energy loop HHW / CHW piping. Please provide a detail of the ADA ramp required as it is not currently shown on the		Pipe alignment as per the drawings avoids the ramp and stairs.	12/7/2011	12/8/2011	001
014	U/G Hydronic Piping	M1.2 - 1.7	33 61 13	Mech	Jackson & Blanc	rr J		ETF West is acceptable provided they can meet the specification in full, particularly 1.4B, 1.5D, 3.4.	12/7/2011	12/8/2011	001
015	U/G gas piping, hydronic piping and site utilities	P-1.0, C-9, M1.1		Mech	Jackson & Blanc	between drawings P-1 and C-9. The distance shown on C-9 is greater than that shown on P1.0, are we to route the U/G gas piping according to P1.0 and stop with a cap for future expansion or route according to c-9. Also for the Hydronic piping the distance is greater than that shown on M1.1 Are we to route according to C-9 or M1.1 the U/G HHW / CHW piping?	Gensler	C-9 shows horizontal control. Abide by the longest runs shown on C-9.	12/7/2011	12/8/2011	001

Pre-k	oid RFI Log									
RFI N	o. Subject	Dwg	Spec	Discipline Originator	Question	Resp by	Response	Date in	Date out	Add No.
			01 12 00-	Jackson &	Please confirm Bid Pack #23 is only responsible to BIM (3D coordination) the Central Plant mechanical systems above ground and not eh U/G hydronic energy loop or site utilities. Also please confirm the Mechanical is not the lead, that Balfour Beatty will be the FTP site host and structural stell and architectural backgrounds will be made available to the mechanical		Bid Package #23 is responsible to BIM 3D modeling and coordination the central plant mechanical systems above ground and the underground hydronic HHW, CHW energy loop and other site utilities installed by this bid package such as electrical - communications duct bank, storm drain, reclaimed water, gas, water, etc. Balfour Beatty Construction BIM Manager will host a FTP site and provide structural steel and architectural backgrounds to Bid Package BIM coordinator to abide by BIM Section 03124			
016	BIM 3D modeling		19	BIM Blanc	coordinator.	BBC	and for BIM Modeling.	12/7/2011	12/8/2011	001
	Above ground CHW			Jackson &	Are Mechanical joints acceptable for CHW and HHW above ground at the Central		mechanical joints are acceptable for CHW 10" and smaller. One exception is that mechancial fittings are to be provided as required for chiller servicing (1/M4.2). Mechanical joints are <u>not</u> acceptable for			
017	and HHW		23 21 13	Mech Blanc	Plant	DEC	HHW piping.	12/7/2011	12/8/2011	001

Pre-b	id RFI Log									
	. Subject	Dwg	Spec	Discipline Originator	Question	Resp by	Response	Date in	Date out	Add No.
		Dwg	Spec	Discipline Originator	Please clarify work scope section 2.28.62 that states Fiber Optic Cables, telephone, fire alarm cables are by	Resp by	1. Per Honeywell's direction, the network architecture per M 8.2-detail 2 is accomplished by single & multi-mode fiber optic cables installed from Central Plant IDF to Server Room in Bldg 210 as witnessed at job walk and per plan E1.1. This Bid Package #23 will make Fiber connector terminations on all fiber optic cables and tested for working operation. Coordinate and use the type of fiber connections as specified by SWC IT Dept. The District will assign IT addresses for connection to Campus IT network architecture. Telephone and Fire Alarm duct bank, conduits with pull line are to be installed to the respective cabinets as witness per job		Date out	Add No.
					another Bid Package trade. It was stated that single and		walk. Telephone and Fire Alarm Systems work and			
					multi mode fiber optics need to be pulled from CP IDF room to		cables are by another Trade Bid Package and will be bid at			
					Building 210 and that adapters		a later date. 2. The required			
			Work		are provided by Campus IT. 2. Indicate how many Micron 50		type of multimode fiber should be 62.5 micron as specified in			
	Fiber Optic Single -	FA2.1, E1.1	-	Jackson &	or 60, and how many pair of	BBC /	27 13 00, 2.5(B). The quantity			
018	Multi Mode	E1.2	2.28.62	Elec Blanc	single mode, multi mode.	Sparling	shall be as shown on E1.1.	12/7/2011	12/8/2011	001

	id RFI Log										
RFI No	Subject	Dwg	Spec	Discipline	Originator	Question	Resp by	Response	Date in	Date out	Add No
019	Construction fencing		01 12 00 / 2.28.91		Jackson & Blanc	1. Please clarify the Yellow Construction Area fencing along student parking, Otay lakes Road, H St. and the Site Access. Is this part of our scope? If so, what type of fencing is required. 2. Please provide a fencing layout for the Hydronic Energy Loop Piping routing which includes the main loop around campus road and the building branch piping runouts, and indicate what type of fencing is required.	BBC	1. The yellow construction area fencing is NOT part of this Bid Package #23 scope of work. 2. Fencing layout for hydronic energy loop is from curb to curb per Phasing Plan dated 11-15-11. Both lanes on the campus road will be closed for traffic. See Summary of Multiple Contracts 2.28.117 for YODOCK manufacturer fencing or equal and fencing type for lanscape areas. Coordinate Phase 1, Increments 3 & 4, and Phase 3 layout with Construction Manager. Provide additional 2,000 LF of temporarty fence 6' high on stands with windscreen for use at the discretion of the Construction Manager.		12/8/2011	001
						Is the cost for the system integration as described in paragraph 2.2 A to be included by this Bid package or is this		The cost for controls system integration is by this Bid Package #23. See Section			
020	Controls		23 09 00	Mech	UMEC	work direct to the owner? Storm drain clean out does not provide rim height, only flow	BBC	011200, 2.28.83 for reference.	12///2011	12/8/2011	001
021	Storm Drain	C-9.1		Civil	AO Reed	level 452.7. Please provide.	RBF	Rim elevation is 473.50	12/7/2011	12/8/2011	001
022	Addendum No. 1				AO Reed	Shows Bid No. 187, we are Bid No. 188. Does this apply to 188?	SWC	If you received information regarding Bid 187 it was sent in error, please disregard and sorry for the inconvenience.	12/7/2011	12/8/2011	001
023	Summary of Multiple Constracts	1	01 12 00 .1 01		AO Reed	#2 says all plans stamp date 10-3-2011. the website are 8- 30-11. Please advise if there are 10-3-2011 plans.	swc	Correct stamped plans were found by AO Reed per email to SWC.		12/8/2011	
024	Labor Compliance Program		22 11 16		UMEC	Paragraph 1.30 of the Invitation to Bid reference the District Labor Compliance Program. Is this document available for review?	SWC	SWC supports and adheres to the Department of Industrial Relations Division of Labor Standards Ennforcement Public Works Manual which can be veiwed at: http://www.dir.ca.gov/dlse/Man ual-Instructions.htm	12/7/2011	12/8/2011	001

Pre-b	id RFI Log										
RFI No	Subject	Dwg	Spec	Discipline	Originator	Question R	Resp by	y Response	Date in	Date out	Add No
025	Reclaimed water		22 11 16	Mech	UMEC	Domestic & Reclaimed Water Piping. No piping materials for reclaimed water piping are specified in paragraph 3.15 Piping Schedule. Please provide.	DEC	Match material of domestic water piping. Identify per 1617A of the CPC by labeling with purple (Pantone color #512) PVC mylartape along it entire length.	12/7/2011	12/8/2011	001
026	RFI's / Bid Date		22 11 10	MGGII	UMEC	and many of the subcontractors who will be participating are only now receiving the plans and specifications. Can the deadline for RFI's (and the bid date) be extended?	swc	No.		12/8/2011	
027	Concrete Mechanical Equipment Pads	S2.1, M5.1			Jackson & Blanc	Please confirm Central Plant concrete contractor is furnishing and installing all foundation concrete pads as shown in detail 11 & * and this would include all the concrete pads shown on drawings S2.1 and M5.1 details 1 - 6 & 12 and also the CP concrete conctractor will include the SDG&E electrical gear and electrical cocnrete pads as shown on S2.1. Please provide clarification.	ввс	2.28.113 Clarification: Provide concrete for all thrust locks and patchback work per Bid Package #23 conctract documents. A separate Concrete Bid Package will provide concrete pads for mechanical equipment. Bid package # 23 to coordinate with Concrete Bid Package and structural plans to ensure proper fit of mechanical equipment to structural concrete pads and pipe supports.		12/8/2011	001
END RFI's	qaipinont i ado	52.1, W.O.1			Diano.	provide durinoution.		Supporto.	.2,772011	12/0/2011	