	San José-Santa Clara Regional Wastewater I	Fa ailieu							Quality Review Form	
₹27	Regional Wastewater I	File Name:		QRF Log Backcheck By Cit	h. (2/4/2020)	Cubmittal Data	.II	10/9/2019		
		Project Name:			works Improvements Project	Submittal Date: Reviewer/s:		City/CIP/O&I		
		Document:			60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
	10.0%					Backcheck Date	<u> </u>	2/1/2020		
TRUCTION	S: Critical issues may have a signifi	icant impact on rewor	rk, schedule, cost or risk and re	equire immediate resolution. All con	mments need to be back-checked and approved by the reviewers.					
				Reviewer		Originator			Reviewer	
#	Reviewer	Critical Issue	Page Index	Reference Drawing, Specification,	Comments / Questions	Resolution / Response	Resolution	Data	Back-Checked	Cost \$ 1,697,461
		issue		Drawing, Specification,	Provide the following as part of the 90% submittal or during the 60%-90% phase -		Name	Date	& Approved	\$ 1,697,461
omment	CIP/City (2/12/2020)	-	-	-	1. MODOC memos as construction progresses (included as review comment) 2. Hydraulics (@90% and 100%) a. Replica Model Calibration TM- report on how the final calibration had been performed, describes existing conditions, HGL variations, etc. b. Replica Model Final TM with key model inputs/outputs for converting into an InfoWorks model c. Final Replica Model files 3. CFD (@90%) a. Final TMs for EBOS, screen channel, Grit Basin and pump intake CFD models (i.e. whatever Jacobs models) b. CFD software model files 4. Physical Modeling of the Pump Station (before 90%) a.Physical modeling report b. Physical model, unless agreed upon by the City (Amit) 5. 3D Model (@100%) a. Final 3D MicroStation and AutoCAD base model b. 3D pdfs of various facilities, if requested. 6. Draft and Final CMMS Integration Plan (Final Draft @90% and Final prior to functional testing)		Jacobs: The first 5 items of this table Checked & Approved column 2/12/2020. Jacobs did not ir did Jacobs include cost adjus GMP offer letter dated 12/6/2 These comments will be revia advances from 60% Design to	were provided analysis of the truents for these 2019 and later and adjuctions and adjuctions were and adjuctions and adjuctions and adjuctions were provided and adjuctions	by the City on of these comments nor se items, within the accepted by the City.	
omment	CIP/City (2/12/2020)	-	-	-	There are comments and decision log items that Jacobs has deferred to the 90% phase. Jacobs to include all these from this QRF and from BlueBeam in the 90% QRF and provide information on whether or not the comments have been addressed to the City's satisfaction.					
omment	CIP/City (2/12/2020)	-	-	-	60% Design Review CAD comments to be distributed to Jacobs on 2/13/2020 and discussed during the 60%-90% phase					
omment	CIP/City (2/12/2020)				Include Limitorque as actuator manufacturer. At a minimum, all equipment should be chosen based on a best-value selection methodology.					
omment	CIP/City (2/12/2020)				Specify VFD make, model and vendor for the RSPS3 pumps					
1	Andy Chavez		EF-112-14BLDG64	Drawing	Architectural sheet A-401-14BLDG64 still shows 2x4 recessed luminaire symbols (see reflected ceiling plan legend). Coordinate light layout with architectural.	Will coordinate	Michaud, Pieterick	10/15/2019	Noted	
2	Andy Chavez		EF-112-14BLDG64	Drawing	Battery room and toilet room have 9'-0" gyp board ceiling but lighting plan indicates L2 fixtures mounted at 8'-0". Why not surface mount fixtures to gyp board ceiling?	Will double check light calcs and will move up to surface mount if adequate.	Michaud, Pieterick	10/15/2019	Noted	
3	Andy Chavez		E-603-14BLDG64	Drawing	Clarify which description applies to which panelboard (LP-19A,C - process or HVAC).		,		Noted	
4	Andy Chavez		E-650-08	Drawing	Update existing fiber patch panel names in block diagram to match termination tags in	LP-19A is process, LP-19C is HVAC. Will revise to be clearer	Michaud	10/15/2019	Noted	
					schedule. LP-19A circuit breaker for LP-19C indicated as 20A/3P but MCB shown as 90A in	Will revise Panel LP-19C does not have a MCB, it is MLO. See E-662-14BLDG64. Will correct	Michaud, Foley	10/15/2019		
5	Andy Chavez		E-660-14BLDG64	Drawing	corresponding LP-19C panel schedule. LP-19A circuit breaker for LP-19B indicated as 3P with varied amp ratings for each	breaker size in LP-19A	Michaud	10/15/2019	Noted	
6	Andy Chavez		E-660-14BLDG64	Drawing	phase (LP-19B MCB rating shown as 40A in corresponding panel schedule).	Will correct LP-19A breaker amperage	Michaud	10/15/2019	Noted	
7	Andy Chavez		E-660-14BLDG64	Drawing	LP-19A circuit breaker for LP-19D indicated as 3P but also shows nutrient feed pump circuit on C-phase. Should circuit breaker feeding LP-19D be 2P?	Circuit breaker to LP-19D is 2P. Nutrient Feed pump removed from panelboard as it is powered from within the water panel.	Michaud	10/15/2019	Noted	
	Andy Chavez		E-661-14BLDG64	Drawing	Update BP-19A panel name to BP-19 to match block diagram and plan drawing.	Corrected	Michaud	10/15/2019		
9	Andy Chavez		E-661-14BLDG64	Drawing	BP-19 panel schedule: Provide load values.	Added	Michaud	10/15/2019	Noted	
10	Andy Chavez		E-660-12HW2	Drawing	Provide revised load calculation for S17-UPS.	Existing loads are not known, City to provide in order to update schedule. It is assumed original panel design accounted for spare breakers and future loads.	Michaud	10/15/2019	Noted	
11	Andy Chavez		E-660-12HW2	Drawing	Provide revised load calculation for LP-2.	Discussed on 10/21 with City. City to provide updated panel schedule if a schedule is desired to be included in the document set. It is assumed original panel design accounted for spare breakers and future loads.	Michaud, Maestri	10/31/2019	Noted	
12	Andy Chavez	<u></u>	E-601-14BLDG64	Drawing	No feeder protection relay or CTs indicated for tie breaker.	No reason for additional protection at the tie with management relays at the mains and a bus differential relay. Nelso confirmed on 10/21 it is not required.	n Michaud, Maestri	10/31/2019	Noted	
13	Andy Chavez		E-601-14BLDG64	Drawing	Show PT connections for feeder relays or update KN 3 to clarify this.	The feeder management relay is not handling voltage monitoring. Keynote 3 remains as is since it applies to the power monitors.	Michaud	10/15/2019	Noted	
14	Andy Chavez		E-601-14BLDG64	Drawing	30% comment from Nelso Petroni indicated to keep CTs at 600:5 for spare breakers.	Will revise	Michaud	10/15/2019	Noted	
15	Andy Chavez		E-107-08	Drawing	Callouts for KN 1,2 are missing in plan view. It appears this scope was moved to Civil	Will add koungte colleges to drawing so thou direct to the CV drawings	Michaud	10/15/2010	Noted	
	Andy Chavez		E-652-14BLDG64	Drawing	demolition plans (CX-100-05 series). Delete sheet keynotes. PBP-19 from DC system schedule not found on block diagram (P14BP-19?).	Will add keynote callouts to drawing as they direct to the CX drawings. PBP-19 is correct, will revise cable block diagram to reflect.	Michaud Michaud	10/15/2019 10/15/2019		
17	Andy Chavez		E-103-08	Drawing	Clarify spare conduits to be utilized in KN 3.	Spare conduits were determined to be present via photos and HW2 record drawings, based on photos they were not labeled.	Michaud	10/15/2019	Noted	
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San José-Santa Clara Regional Wastewater Facility			Quality Review Form	
Regional Wastewater Facility				
File Name:	QRF Log Backcheck By City (2/1/2020)	Submittal Date:	10/9/2019	
Project Name:	New Headworks and Headworks Improvements Project	Reviewer/s:	City/CIP/O&M	
Document:	New Headworks Project - 60% Design Drawings and Specs City Backcheck	Project No.:	7477/7701	
		Backcheck Date	2/1/2020	
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				Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
	Novionoi	Issue	- ago maox	Drawing, Specification,		recondition / recipolities	Name	Date	& Approved	\$ 1,697,461
18	Andy Chavez		E-652-14BLDG64	Drawing	PMCC-5 from power circuit schedule not referenced on power distribution block diagram.	Will add near keynote 3 on diagram	Michaud	10/15/2019 Noted		
19	Andy Chavez		E-652-14BLDG64	Drawing	3 phase/neutral conductors for 120VAC circuits in miscellaneous systems power circuit			Noted		
	7 may onavoz		2 002 1 1525 00 1	Diaming	schedule? Why is the lighting control diagram sheet titled "ELECTRICAL MOTOR CONTROL	Will discuss changing Meter Control Diagrams to Control Diagrams to better encompass	Michaud	10/15/2019		
20	Andy Chavez		E-709-08	Drawing	DIAGRAMS"?	Will discuss changing Motor Control Diagrams to Control Diagrams to better encompas lighting, motors, and MV relays	Michaud	10/15/2019 Noted		
21	Andy Chavez		E-650-08	Drawing	Update data circuit schedule To termination for circuit ID D14NET0112 (should be			Noted		
22	Andy Chavez		E-651-14HW3GB	Drawing	14NET0112). Fix label for C14GSFR9603-01DSC near disconnect on block diagram.	Will correct in schedule Will fix	Michaud Michaud	10/15/2019 Noted		
				Ŭ	Fix label for C14CS9603-01 near junction box on block diagram (currently shown as	VV 111 11X	Michaud			
23	Andy Chavez		E-651-14HW3GB	Drawing	C14GSFR9603-01).	Will fix	Michaud	10/15/2019 Noted		
24	Andy Chavez		E-650-14BLDG64	Drawing	Where are P14SP1,2,3 on the block diagram?	These are the sump pumps for the manholes and are currently place holders in the duc		10/15/2019 Noted		
25	Andy Chavez		E-650-14BLDG64	Drawing	Update C14FAN9807-01DSC to P14FAN9807-01DSC in block diagram.	bank schedule and circuit schedule. Will be included and fully designed in 90%. Will fix	Michaud Michaud	10/15/2019 Noted		
26	Andy Chavez		E-650-14BLDG64	Ŭ	Extend 14ZS9840-01 line to 14DCU64 in block diagram.	Will fix	Michaud	10/15/2019 Noted		
27	Andy Chavez		E-650-14BLDG64	Drawing	Revise block diagram P14WH-01 tag to match schedule.	will fix	Michaud	10/15/2019 Noted		
28	Andy Chavez		E-650-14BLDG64	Drawing	Where are C14SP1,2,3 on the block diagram?	These are the sump pumps for the manholes and are currently place holders in the duc		10/15/2010 Noted		
			E 050 / (5) = 5 - :		208Y/277V shown on block diagram for LP-19B and UPS-19. Check operating voltages	bank schedule and circuit schedule. Will be included and fully designed in 90%.	Michaud	10/15/2019		
29	Andy Chavez		E-652-14BLDG64	Drawing	in schedule and block diagram.	Will correct. 277V should be 120V.	Michaud	10/15/2019 Noted		
30	Andy Chavez		E-650-14ODO	Drawing	HW3 Odor Control block diagram and schedule: update MCC-19 to MCC-19A.	Will fix.	Michaud	10/15/2019 Noted		
31	Andy Chavez		E-650-14ODO	Drawing	Update circuit ID CAIT9706-01DSC to C14AIT9706-01DSC in HW3 Odor Control	Will fix	Michaud	10/15/2019 Noted		
32	Andy Chavez		E-650-14ODO	Drawing	schedule. Add A14AE9706-01 from block diagram to circuit schedule.	Will add	Michaud Michaud	10/15/2019 Noted		
33	Andy Chavez		E-650-14BLDG64	Drawing	Notes are labeled as General Notes but appear to be Sheet Keynotes.	Will Fix	Michaud	10/15/2019 Noted		
34	Andy Chavez		E-650-14BLDG64	Drawing	Where is KN1 referenced on this sheet?	Will remove keynote 1	Michaud	10/15/2019 Noted		
35	Andy Chavez		E-110-14RECYPS	Drawing	Add C14CS9725-01 to conduit between pump 2,3 junction boxes on block diagram.	Will add	Michaud	10/15/2019 Noted		
36	Andy Chavez		E-650-14HW3GB	Drawing	Update C14LS9739-02 to C14CS9739-02 in the HW3 Grit Room Sump Pump circuit	Will fix	Michaud	10/15/2019 Noted		
					schedule. Fix label for P14PMP9601-02DSC on block diagram (currently shown as P14GCL9601-	VVIII IIX	Michaud			
37	Andy Chavez		E-651-14HW3GB	Drawing	02DSC).	Will fix	Michaud	10/15/2019 Noted		
38	Andy Chavez		E-651-14HW3GB	Drawing	Remove DSC from C14CS9603-01 circuit ID in schedule.	Fixed	Michaud	10/15/2019 Noted		
39	Andy Chavez		E-651-14HW3GB	Drawing	Remove DSC from C14CS9601-02 circuit ID in schedule.	Will fix	Michaud	10/15/2019 Noted		
40	Andy Chavez		E-651-14HW3GB	Drawing	Remove DSC from C14CS9605-02 circuit ID in schedule. Fix label for C14SSL9603-02 on block diagram near junction box (shown as	Will fix	Michaud	10/15/2019 Noted		
41	Andy Chavez		E-651-14HW3GB	Drawing	C14SSL9602).	Will fix	Michaud	10/15/2019 Noted		
42	Andy Chavez		E-652-14HW3GB	Drawing	Fix labels for C14GSFR9603-04DSC and C14CS9603-04 on block diagram.	Will fix	Michaud	10/15/2019 Noted		
43	Andy Chavez		E-653-14HW3GB	Drawing	Fix label for P14VLV9604-05 on block diagram (shown as C14VLV9604-05).	Will fix	Michaud	10/15/2019 Noted		
44	Andy Chavez		E-653-14HW3GB		Fix label for P14VLV9604-06 on block diagram (shown as C14VLV9604-06).	Will fix	Michaud	10/15/2019 Noted		
45	Andy Chavez		E-651-08		Fix P12VLV9720-00DSC circuit ID on schedule (shown as P12VLV9721-00DSC). Fix C12VLV9721-00 and C12VLV9721-00DSC labels on schedule (shown as	Will fix	Michaud	10/15/2019 Noted		
46	Andy Chavez		E-651-08	Drawing	C12VLV9721-01 and C12VLV9721-01DSC).	Will fix	Michaud	10/15/2019 Noted		
47	Andy Chavez		E-651-08	Drawing	Fix PS-19A,B circuit IDs in schedule to match block diagram.	Will fix	Michaud	10/15/2019 Noted		
48	Andy Chavez		EP-120-1P	Drawing	Fix A11SMPL9752-01 circuit ID in schedule (shown as A11SMPL9725-01).	Will fix	Michaud	10/15/2019 Noted		
49	Andy Chavez		E-110-12RECYPS1	Drawing	Change AFD to VFD in power circuit schedule terminations for 12AFD9705-04.	Will fix Will fix	Michaud Michaud	10/15/2019 Noted 10/15/2019 Noted		
50	Andy Chavez		E-110-12RECYPS1	Drawing	Change AFD to VFD in power circuit schedule terminations for 12AFD9705-03. Split MCC-19 into MCC-19A and MCC-19B in the block diagram to match the	I VY III IIA	IVIIOIIauu			
51	Andy Chavez		E-650-14HW3IS		termination labels in the schedules.	Will fix	Michaud	10/15/2019 Noted		
52	Andy Chavez		E-602-14BLDG64	- 3	Check continuation sheet reference.	Will fix	Michaud	10/15/2019 Noted		
53	Andy Chavez		E-603-14BLDG64	Drawing	Check continuation sheet reference.	Will fix	Michaud	10/15/2019 Noted		
54 55	Andy Chavez Andy Chavez		E-653-14HW3PS E-653-14HW3PS		Fix circuit ID D14MMS9660-04 in schedule (shown as D14MMS9660-03). P14GTE9650-03DSC shown in block diagram but missing from schedule.	Will fix See E-652-14HW3PS for circuit.	Michaud Michaud	10/15/2019 Noted 10/15/2019 Noted		
56	Andy Chavez		E-653-14HW3PS	Drawing	Fix 14VFD9655-04 label in block diagram (shown as 14VFD9655-01).	Will fix	Michaud	10/15/2019 Noted		
57	Andy Chavez		E-652-14HW3PS	Ŭ	Fix 14VFD9655-03 label in block diagram (shown as 14VFD9655-01).	Will fix	Michaud	10/15/2019 Noted		
58	Andy Chavez		E-651-14HW3PS		Fix 14VFD9655-02 label in block diagram (shown as 14VFD9655-01).	Will fix	Michaud	10/15/2019 Noted		
59	Andy Chavez		E-654-14HW3PS	Drawing	Fix 14VFD9655-05 label in block diagram (shown as 14VFD9655-01).	Will fix	Michaud	10/15/2019 Noted		
60	Andy Chavez		E-654-14HW3PS	Drawing	Remove reference A14FE9669-05 near j-box. Schedule indicates this terminates between FIT and FE only.	Will remove	Michaud	10/15/2019 Noted		
61	Andy Chavez		E-654-14HW3PS		Fix label for P14GTE9650-05 on block diagram (shown as C14GTE9650-05).	Will fix	Michaud	10/15/2019 Noted		
62	Andy Chavez		E-654-14HW3PS	Drawing	P14VLV9670-04DSC shown in block diagram but missing from schedule.	Circuit in E-653-14HWPS schedule.	Michaud	10/15/2019 Noted		
63	Andy Chavez		E-651-08	Drawing	Valves tags do not match those shown on E-605-12HW2. Please confirm.	Will coordinate	Michaud	10/15/2019 Noted		
64	Andy Chavez		E-602-14BLDG64	Drawing	Check MCP size for 25 HP motors. 34 FLA x 125% = 43A (45A MCP).	45A availability will depend on manufacturer. 50A is much more common, but a 45A may be used.	Michaud	10/15/2019 Noted		
05	Andy Charres		E 602 44DI DOC4	Duamia c	Check MCD size for 25 HD motors 24 FLA v 4250/ 4254 MCD	45A availability will depend on manufacturer. 50A is much more common, but a 45A		Noted		
65	Andy Chavez		E-603-14BLDG64	Drawing	Check MCP size for 25 HP motors. 34 FLA x 125% = 43A (45A MCP).	may be used.	Michaud	10/15/2019 Noted		
66	Andy Chavez		E-603-12HW2	Drawing	N-037-09 indicates Recycle PS pumps are 25 HP. Please confirm and adjust electrical	Will coordinate	Michaud Falari	10/15/2010 Noted		
					design accordingly. N-037-09 indicates Recycle PS pumps are 25 HP. Please confirm and adjust electrical	Will coordinate	Michaud, Foley	10/15/2019 Noted		
67	Andy Chavez		E-602-12HW2	Drawing	design accordingly.	Will coordinate	Michaud, Foley	10/15/2019 Noted		
68	Andy Chavez		E-603-14BLDG64	Drawing	G-052-01 shows 14FAN9807-01 as 1HP. Please confirm motor rating with mechanical			Noted		
00	Andy Griavez		L-000-14DLDG04	· ·	and update electrical design accordingly.	Will coordiante	Michaud, Sackinger	10/15/2019 Noted		
69	Andy Chavez		E-652-14BLDG64	i Drawing	Operating voltage for PLP-19A,B,C does not match block diagram. Please update	Will undate	Michaud	10/15/2010 Noted		
				2	schedule.	Will update	Michaud	10/15/2019 Noted		

20 2/13/20

		File Name: Project Name: Document:	QRF Log Backcheck By Ci New Headworks and Head		Submittal Date:		10/9/2019		
STRUCTIONS:		Project Name:	New Headworks and Head				10/9/2019		
STRUCTIONS:	: Critical issues may have a significar	Document:		works improvements Project	Reviewer/s:		City/CIP/O&		
STRUCTIONS:	: Critical issues may have a significar		New Headworks Project - 6	50% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
		nt impact on rework, schedule, cost or risk	and require immediate resolution. All cor	mments need to be back-checked and approved by the reviewers.	Backcheck Date		2/1/2020		
		Critical Barreland	Reviewer Reference		Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
70 A	Andy Chavez	Y-301-07	Drawing	Electrical duct bank appears to overlap 96" RS between 3+00 and 4+00. Please confirm if acceptable.	coordinated in the 90% design.	Chandler, Michaud	10/15/2019	Noted	1
71 A	Andy Chavez	Y-301-07	Drawing	Apparent conflict with 96" RS near 11+26.54. Please confirm.	This are is being coordinated with civil. The 90% design will be modified as needed to be fully coordinated.	Chandler, Michaud	10/31/2019	Noted	ı
72 A	Andy Chavez	R-013-14HW	3 Drawing	Should concrete base be extended above grade or bollards added for site area light poles? Typ.	Will investigate	Chandler, Scoggins, Michaud	10/15/2019	Noted	
73 A	Andy Chavez	E-100-08	Drawing	Update TXR-19A,B tags to match the rest of the design (shown on this sheet as TXR-18A,B).	Will correct to TXR-19A, B	Michaud	10/15/2019	Noted	<u> </u>
74 A	Andy Chavez	E-100-08	Drawing	Update equipment tags for tank drainage pumps 23PMP2401,2 (shown as 23MRT2401).	Will correct	Michaud	10/15/2019	Noted	
	Andy Chavez	E-650-14HW3I	<u> </u>	Remove reference A14FE9669-01 near j-box. Schedule indicates this terminates between FIT and FE only.	Will correct	Michaud	10/15/2019	Noted	
	Andy Chavez	E-650-14HW3I	Ĭ	Fix label for P14GTE9650-01 on block diagram (shown as C14GTE9650-01). Remove reference A14FE9669-02 near i-box. Schedule indicates this terminates	Will fix	Michaud	10/15/2019		
	Andy Chavez	E-651-14HW3I	<u> </u>	between FIT and FE only.	Will remove	Michaud	10/15/2019		
	Andy Chavez Andy Chavez	E-651-14HW3I E-651-14HW3I		Fix label for P14GTE9650-02 on block diagram (shown as C14GTE9650-02). P14VLV9670-01DSC shown in block diagram but missing from schedule.	Will fix This circuit is shown on E-650-14HW3PS schedule.	Michaud Michaud	10/15/2019		
	Andy Chavez	E-651-14HW3I		P14GTE9650-01DSC shown in block diagram but missing from schedule.	This circuit is shown on E-650-14HW3PS schedule.	Michaud	10/15/2019		
	Andy Chavez	E-652-14HW3I		Remove reference A14FE9669-03 near j-box. Schedule indicates this terminates			10/15/2019		
	Andy Chavez	E-652-14HW3I	<u> </u>	between FIT and FE only. Fix P14FIT9669-03 circuit ID in schedule (shown as P14FET9669-03).	Will fix Will fix	Michaud Michaud	10/15/2019	Noted	
	Andy Chavez	E-652-14HW3F	· ·	Fix label for P14GTE9650-03DSC on block diagram (shown as P14GTE9649-03DSC).	Will fix	Michaud	10/15/2019		
84 A	Andy Chavez	E-652-14HW3I	PS Drawing	Fix label for P14GTE9650-03 on block diagram (shown as C14GTE9650-03).	Will fix	Michaud	10/15/2019		
85 A	Andy Chavez	E-652-14HW3F	PS Drawing	P14VLV9670-02DSC shown in block diagram but missing from schedule.	This circuit is shown on E-651-14HW3PS schedule	Michaud	10/15/2019	Noted	
86 A	Andy Chavez	E-653-14HW3F	PS Drawing	Remove reference A14FE9669-04 near j-box. Schedule indicates this terminates between FIT and FE only.	Will fix	Michaud	10/15/2019	Noted	1
	Andy Chavez	E-653-14HW3F	ŭ	Fix label for P14GTE9650-04 on block diagram (shown as C14GTE9650-04).	Will fix	Michaud	10/15/2019	Noted	
	Andy Chavez	E-606-12HW:	ŭ	Fix label for cubicle 13H (shown as 3H).	Will fix	Michaud	10/15/2019		
	Andy Chavez	EF-110-14HW3	i	Are L2 luminaires accessible for maintenance above screening bins? Light poles near pumps are mounted to grating, not concrete walkway. Please check	Screening bins can be moved to allow access.	Michaud	10/15/2019		
	Andy Chavez	EF-110-14HW3	<u> </u>	detail reference.	Will coordinate with structural	Michaud	10/15/2019	Noted	
91 A	Andy Chavez	E-601-08	Drawing	Fix sheet reference in KN3. Are these switches located on the lower level adjacent to the door? If so, please move to	Will fix drawing number.	Michaud	10/15/2019	Noted	
92 A	Andy Chavez	EF-112-14BLD0	Drawing	EF-102-14BLDG64. Location and mounting height is not clear from this plan and KN7,11.	Will move to lower level plan drawing	Michaud	10/15/2019	Noted	
93 A	Andy Chavez	EP-112-14BLD0	Drawing	Please coordinate detail 2605-015 with 0330-056 Type 'E'. Conduit nipple appears to conflict with rebar.	Will coordinate	Michaud	10/15/2019	Noted	
94 A	Andy Chavez	EP-112-14BLD0	G64 Drawing	Why is 2605-700 referenced for MCC-19A/B? '60% Updated Design Criteria Memorandum' says cable tray was removed and cables in basement level will be routed in conduit.		Michaud	10/15/2019	Noted	
95 A	Andy Chavez	E-106-08	Drawing	Electrical building grounding design is duplicated on EP-112-14BLDG64. This site plan shows the ground grid surrounding the transformer pad. EP-112-14BLDG64 shows the ground grid only around the building. Neither drawing shows ground connections to the outdoor transformers. Please review the grounding design for the electrical building.	Will correct between the two plan sheets. Grounding for the transformers is covered in specifications and detail 2605-204	Michaud	10/15/2019	Noted	
96 A	Andy Chavez	E-602-08	Drawing	Are any modifications required in MCC-D related to the tank drainage pump replacement? E-100-08 indicates the motor HP is increasing.	Based on record drawings, the existing motors had oversized protection and is adequate for the new HP.	Michaud	10/15/2019	Noted	
97 A	Andy Chavez	EF-120-14HW3	ŭ	Is light near grid E/1 necessary? No equipment or devices shown in this location in the renderings.	Will investigate, may rotate fixture 180deg as there is instrumentation in the hatches to the East.	Michaud	10/15/2019	Noted	
98 A	Andy Chavez	EP-110-14HW3	PS Drawing	Clarify bonding to metal stair handrail similar to EP-100-14HW3GB.	Will provide detail callout where stair handrails are metallic.	Michaud	10/15/2019	Noted	
99 A	Andy Chavez	EP-123-14HW3	GB Drawing	Confirm minimum working space clearance is maintained between disconnects and conical grit washers.	Based on model, clearances are maintained.	Michaud	10/15/2019	Noted	
100 A	Andy Chavez	E-110-12RECYF	PS1 Drawing	Clarify luminaire mounting detail for recycle pump station 1. Is sufficient lighting provided?	Detail 2656-214 shall be used, will correct. Lighting is a little dim in the far SE corner, will adjust light to be more central to the pad along the North edge.	Michaud	10/15/2019	Noted	
101 A	Andy Chavez	E-110-14RECY	PS Drawing	Coordinate luminaire mounting detail for HW3 recycle pump station. Did not see S-110-14RECYPS in 60% set to check structural design.	Will coordinate	Michaud	10/15/2019	Noted	
	Andy Chavez	EP-110-14OD	<u> </u>	Is lighting required at the top of the biotrickling tower?	No instrumentation present. Note there is lighting on the nearby pump station. Confirmed in 11NOV2019 meeting no lighting required. No change in scope	Michaud, Cowden	11/12/2019	Noted	\$ -
	Andy Chavez	EF-102-14BLD0	Č	Provide mounting height and method for L2 luminaires.	Will correct	Michaud	10/15/2019		
104 A	Andy Chavez	EF-102-14BLD0	664 Drawing	General notes 5,6 appear to be sheet keynotes. Please confirm. In general, EX1 luminaire is only shown in plan view on EF-112-14BLDG64. Please	They are keynotes. Will correct. Basement at 14BLDG64 does not need an exit light due to there being a single clear	Michaud	10/15/2019	INOted	
105 A	Andy Chavez	E-600-08	Drawing	confirm compliance with building codes for illuminated exit signs (IBC 1013, NFPA 101 7.10).	exit, where there are multiple door exit lights are needed. Will add to the grit basin pump room exits for clarity.	Michaud	10/15/2019	Noted	
	Andy Chavez	E-602-12HW		Check continuation sheet reference.	Will correct	Michaud	10/15/2019		
107 A	Andy Chavez	E-603-12HW	2 Drawing	Check continuation sheet reference.	Will correct	Michaud	10/15/2019	Noted	
108 A	Andy Chavez	E-601-14BLDG	64 Drawing	Provide closed transition short-circuit calculation to validate switchgear rating. It appears the "hot swap" transfer scheme has a 500ms time delay - breaker or device interrupting ratings are typically based on 5 cycles (83ms).		Michaud, Maestri	10/31/2019	Confirm and discuss with the City	L

San José-Sant Regional Was	ta Clara stewater Facility							Quality Review Form	
	File Name	9 :	QRF Log Backcheck By Cit	y (2/1/2020)	Submittal Date:	:	10/9/2019		
	Project Name) :		works Improvements Project	Reviewer/s:		City/CIP/O&	M	
	Documen	t:	New Headworks Project - 6	0% Design Drawings and Specs City Backcheck	Project No.		7477/7701		
PUCTIONS: Critical issues may	u baya a significant impact on row	orle ashadula asat ar riale and	require immediate recelution. All con	nments need to be back-checked and approved by the reviewers.	Backcheck Date		2/1/2020		
CHICAI ISSUES MAY	y nave a signilicant impact on rew	ork, scriedule, cost or risk and i	require immediate resolution. All con	пителіз пева to ве васк-спесква апа арргочев ву the reviewers.					
			Reviewer		Originator			Reviewer	
# Review	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
# INCOICM	Issue	i age iliuex	Drawing, Specification,	Comments / Questions	-	Name	Date	& Approved	\$ 1,697,461
09 Andy Chavez		E-652-14BLDG64		PLP-19A feeder seems oversized. [2 1/2"C, 4#4/0, 1#2G] should be sufficient. 75kVA secondary FLA = 208A. Please provide feeder calculations where upsized for voltage drop, ambient temperature, etc.	Secondary protection for the transformer (the main breaker in LP-19A) is sized based on NEC table 450.3 (B) which requires 125% of rated current. 208A * 1.25 = 260A which means a 300A breaker. The conductors are sized to match the 300A breaker. No voltage drop calculations were done as the panelboard and transformer are located within 10 feet of each other.	Michaud	10/15/2019	Noted	
10 Andy Chavez		E-605-12HW2	Drawing	Valve tags do not match those shown on cable block diagram E-651-08. Please confirm and adjust electrical design accordingly.	Will coordinate	Michaud	10/15/2019	Noted	
11 Andy Chayez		E-103-08	Drowing	Where does direct burial conduit terminate beyond STATION 03 cathodic protection		monada	10/10/2010	Noted	
11 Andy Chavez			Drawing	junction structure?	To anode, see cathodic protection drawings	Michaud	10/15/2019	Noted	
12 Andy Chavez		E-651-14BLDG64	Drawing	Spelling Error - please run spell check.	Corrected to EXTENDER Corrected to EXTENDER	Michaud	10/15/2019		
13 Andy Chavez 14 Andy Chavez		E-651-14BLDG64 E-601-14BLDG64	Drawing Drawing	Spelling Error - please run spell check. Spelling Error - please run spell check.	Corrected to EXTENDER Corrected to MEASUREMENT	Michaud Michaud	10/15/2019 10/15/2019		
15 Andy Chavez		E-105-08	Drawing	Add match line for E-100-08 on the west for duct bank continuation.	Will add	Michaud	10/15/2019		
16 Andy Chavez		E-107-08	Drawing	Add match line for E-100-08 on the east for duct bank continuation.	Will add	Michaud	10/15/2019		
17 Andy Chavez		E-662-14BLDG64	Drawing	Why are duplicate panel schedules included with different load descriptions, panel ratings, and calculated demand loads?	This sheet holds DP-19A, DP-19B and LP-19A, which are all separate panelboards.	Michaud, Maestri	10/31/2019	Noted	
18 Andy Chavez		E-663-14BLDG64	Drawing	Why are duplicate panel schedules included with different load descriptions, panel ratings, and calculated demand loads?	This sheet holds LP-19B, LP-19C, LP-19D, BP-19, which are all separate panelboards.	Michaud, Maestri	10/31/2019	Noted	
19 Andy Chavez		E-600-08	Drawing	Provide egress illumination calculations to demonstrate compliance with CBC/1008.1.	These will be provided at 90%.	Michaud	10/15/2019	Noted	
20 Andy Chavez		E-709-08	Drawing	Where are the raceways/conductors defined for the lighting control system? Provide circuit schedule.	Lighting and receptacle circuits are covered via specification and now shown on the cable block diagrams or circuit schedules.	Michaud	10/15/2019	Noted	
21 Andy Chavez		E-604-12HW2	Drawing	Is there any scope on this sheet? Why is it included?	No, see note 1 on this sheet.	Michaud	10/15/2019		
22 Andy Chavez		E-650-14HW3PS	Drawing	Missing sheet keynotes associated with KN callouts.	Will add	Michaud	10/15/2019		
23 Andy Chavez		E-654-14HW3PS	Drawing	Missing sheet keynotes associated with KN callouts.	Will add	Michaud	10/15/2019		
24 Andy Chavez 25 Andy Chavez		E-653-14HW3PS E-652-14HW3PS	Drawing Drawing	Missing sheet keynotes associated with KN callouts. Missing sheet keynotes associated with KN callouts.	Will add Will add	Michaud Michaud	10/15/2019 10/15/2019		
26 Andy Chavez		E-651-14HW3PS	Drawing	Missing sheet keynotes associated with KN callouts.	Will add	Michaud	10/15/2019		
27 Andy Chavez		ET-100-08	Drawing	Please show locations of TEMP MPC and TEMP PANEL on temporary electrical site	Location is up to the contractor to best suit their needs during construction. Temporary items were only shown so contractor includes powering EBOS and Ferric with their	Wildradd	10/10/2013	Noted	
120 Andre Charen		F 000 00	Drawing	plan.	typical temporary construction needs.	Michaud	10/15/2019	Noted	
28 Andy Chavez		E-600-08		Provide Title 24 calculations to demonstrate compliance with California's energy code. Check working space clearance between 14VFD9655-04 & 05. Distance appears to be	These will be provided at 90%.	Michaud	10/15/2019	Noted	
29 Andy Chavez		EP-112-14BLDG64	Drawing	less than 5'-0" (nominal voltage to ground 1001-2500V, Condition 3). Also, please check door swing is not an issue. Is double door width adequate for S-19 move-in? Switchgear elevation indicates 108"	Will shift equipment in the center of the room North by 6" to accommodate working clearance in front of 14VFD9655-05.	Michaud	10/15/2019	Noted	
30 Andy Chavez		EP-112-14BLDG64	Drawing	section depth. As currently designed, switchgear will require shipping splits for every 2 vertical sections (additional assembly scope required for each shipping split).	Will coordinate with architectural to verify.	Michaud, Pieterick	10/15/2019	Noted	
31 Andy Chavez		E-601-08	Drawing	EBOS structure ID indicated as 61 on C-100-05 and Y-100-07. MCC-5 at EBOS indicated as 14A on this sheet. Please coordinate structure IDs with other disciplines.	Will fix	Michaud	10/15/2019	Noted	
32 Andy Chavez		EP-112-14BLDG64	Drawing	Add bonding to metal stair handrail.	Will coordinate with structural and add detail for grounding at metal stair handrails.	Michaud	10/15/2019		
33 Andy Chavez		26 13 13-6		2.03 G.4. Provide compression lugs.	Will revise	Michaud	10/15/2019	Noted	
34 Andy Chavez		26 12 02-4	Specification	2.03 F. Oil-filled transformer impedance: Should minimum value be specified to maintain designed interrupting rating?	will run a rew calculations to see the effect with typical impedances on modern transformers and adjust specification if needed.	Michaud	10/15/2019	Noted	
35 Matt Smith	Yes	83	CG-301-05	open cut excavation of Pump Station interferes with EOB rendering it unusable for duration of construction until backfill.	This is correct and has been discussed with City PM.	Maestri	10/15/2019	Noted	
36 Matt Smith		42	01 32 00-6, 1.03,2,c.	"Certified payroll shall include both onsite staff and workers performing onsite activities" Should the word 'onsite" be changed to "offsite"?	I believe this is correct. Off-site work does not require certified payrolls.	Ryan	10/15/2019	Noted	
Matt Smith		42	01 32 00-6, 1.05,A	Air Quality Index (AQI) should be monitored and recorded on Daily Reports. Suggest AirNow.gov as source.	Seems like a good addition, we can request this change to City standard specification.	Ryan	10/15/2019	Noted	
38 Matt Smith		83	01 61 00-6	Spare parts inventory logging, tracking and use and/or replacement if used during S/U & commissioning.	Seems like a good addition. We will request this change to City standard specification.	Ryan	10/15/2019	Noted	
39 Matt Smith		133	01 45 002-3, 1.04,l, 2.	Suggest City's Representative or Inspector prepare a Non-Conformance report if defective, faulty or no-corning work is identified. This would be in lieu of notifying Jacobs Engineer. Suggest removing section I in its entirety. Jacobs should not assign QA responsibilities to City's Representative or Inspector.	Will review for changes and coordinate with overall changes discussed as part of Hawkins contract as well. Ideally, if work is non-conforming, ENGINEER (ie. City rep) would bring it up at daily 6:30 meeting, if not in agreement, then non-conformance issued or if there would be some long time lag. Will review and make some suggested edits for 90%	Ryan	10/15/2019	Noted	
40 Matt Smith		163	01 50 00-3,	After Telephone Service: should there be an item included for internet connectivity to communicate with Owners DMIS (EADOC)?	This is being further developed as City and Jacobs negotiate the GMP. Phone service will be by City. Internet service being specified in 1.11 Field offices and sheds, D. Computer Services. Speed will be in one MB/second bandwidth range.	Ryan	10/15/2019	Noted	
41 Matt Smith	Yes	194	01 64 00-3,C.	Add Owner to the end of this statement to read"or replaced with new identical products, at he discretion of Design-Builder or Owner."	Not a City standard specification. Specification will be removed.	Ryan	10/15/2019	Noted	
42 Matt Smith	Yes	65	CX-104-05	"Abandon pipes in place. Plug at both ends." What kind of fill is placed inside the pipes?	Per the 10/22 meeting with the City, abandonment of pipes and structures will be discussed further for compliance with the City's standards. GMP Assumption: no additional scope added for abandonment of pipe, filling pipe, or pipe removal.	Chandler	12/6/2019	Noted	
43 Matt Smith	Yes	87	Y-102-07	"Manhole to be abandoned. Plug pipes inside manhole." What kind of fill is placed inside the manhole/pipes?	discussed further for compliance with the City's standards.	Chandler	10/14/2019	Noted	
44 Matt Smith	Yes	89	Y-104-07	"Plug exist pipe. Detail B/Y-502-07." Detail calls for two feet of concrete fill at each end, therefore the rest of the pipe is void and susceptible to collapse in the future.	Previous projects have plugged and abandoned pipes without filling abandoned pipes. This is what is included in the 60% estimate. If and how pipes are abandoned is under discussion with the City.	Chandler, Maestri	10/31/2019	Noted	

San José-Santa Clara			Quality Review Form	
Regional Wastewater Facility				
File Name:	QRF Log Backcheck By City (2/1/2020)	Submittal Date:	10/9/2019	
Project Name:	New Headworks and Headworks Improvements Project	Reviewer/s:	City/CIP/O&M	
Document:	New Headworks Project - 60% Design Drawings and Specs City Backcheck	Project No.:	7477/7701	
		Backcheck Date	2/1/2020	
INSTRUCTIONS: Critical issues may have a significant impact on rework, schedule, co	st or risk and require immediate resolution. All comments need to be back-checked and approved by the reviewers.			

		Document		New Headworks Project - 6	0% Design Drawings and Specs City Backcheck	Project No.		7477/7701		
						Backcheck Dat	te	2/1/2020		
NSTRUCT	IONS: Critical issues may have a s	ignificant impact on rewo	rk, schedule, cost or risk and re	equire immediate resolution. All cor	nments need to be back-checked and approved by the reviewers.					
				Reviewer		Originator			Reviewer	
		Critical		Reference	0 (10)		Resolution		Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
145	Valeria Norato	Yes	G-002-01	DRAWING INDEX	R-006 & R-007 INDEX TITLES DO NOT MATCH SHEET TITLES	Will fix at 90%.	Maestri	10/15/2019 Note		-
146	Lee Arnon	1.22	G-020-01	NOTES, LEGENDS	MISSING DIMENSIONING SYSTEM	Dimensioning system is shown on the individual drawings	Maestri	10/15/2019 Note		
			İ	· ·		CODE PLAN OF BASEMENT HAS BEEN MODIFIED TO SHOW DISTANCE FROM			-	
147	Lee Arnon	Yes	G-021-01	LIFE SAFETY PLANS	ELEC LOWER LEVEL: EGRESS DISTANCE MUST INCLUDE STAIR LENGTH	CORNER TO GRADE.	Pieterick	10/15/2019 Note	d	
148	Lee Arnon	Yes	G-021-01	LIFE SAFETY PLANS	ELEC LOWER LEVEL: DO NOT SHOW STRUCTURAL BELOW GRADE FOOTING.	Footing are no longer shown on the code sheet.	Pieterick	10/15/2019 Note	d	
149	Lee Arnon	Yes	G-021-01		ELEC UPPER LEVEL: DO NOT SHOW STRUCTURAL BELOW GRADE FOOTING	Footings are no longer shown on this code sheet.	Pieterick	10/15/2019 Note		
150	Lee Arnon	Yes	G-021-01	LIFE SAFETY PLANS	ELEC UPPER LEVEL: SHOULD SHOW RAMP A PART OF EGRESS PLAN	EXIT DISTANCES HAVE BEEN UPDATED TO INCLUDE RAMPS	Pieterick	10/15/2019 Note		
	20071111011		0 02.0.		CALIFORNIA TYPICALLY REQUIRES PLAN OF ACCESSIBLE ROUTE TO PARKING		- I totorion	10/10/2010 1100	<u> </u>	
151	Lee Arnon	Yes	G-021-01	LIFE SAFETY PLANS	OR PUBLIC ROW. COORDINATE WITH CIVIL AND ADD NOTE FOR REFERENCE	ADA PARKING STALL HAS BEEN ADDED TO PLAN WITH NOTE REFERENCING		Note	d	
101	Ecc /tillon	103	0 021 01	Ell E O/A ETTT E/ANO	TO CIVIL SHEETS	CIVIL PLAN.	Pieterick	10/15/2019	ď	
152	Lee Arnon	Yes	G-021-01	LIFE SAFETY PLANS	GRIT BASINS: EGRESS PATH AND TRAVEL DISTANCE MISSING	EGRESS PATHS HAVE BEEN ADDED.	Pieterick	10/15/2019 Note	d	
153	Lee Arnon	Yes	R-006-05	RENDERING	SHEET TITLE DOES NOT MATCH INDEX TITLE	Acknowledged. Will fix for next deliverable.	Maestri	10/15/2019 Note		
154	Lee Arnon	Yes	R-007-05	RENDERING	SHEET TITLE DOES NOT MATCH INDEX TITLE SHEET TITLE DOES NOT MATCH INDEX TITLE	Acknowledged. Will fix for next deliverable.	Maestri	10/15/2019 Note		
155	Valeria Norato	Yes	A-100-14/64		REMOVE FRACTIONS FROM DOOR RO DIMENSION	Fractions have been removed from Door Dimensions	Pieterick	10/15/2019 Note		
156	Lee Arnon	Yes	A-100-14/64		DO NOT SHOW STRUCTURAL FOOTINGS. CONFUSING		Pieterick	10/15/2019 Note		
150	Lee Amon	162	A-100-14/04	LOWER LEVEL PLAN		Removed the ground floor footings shown between grids 3 and 4		10/15/2019 Note	u .	
157	Lee Arnon		A-100-14/64	LOWER LEVEL PLAN	CONSIDER MOVING GRID MARKER #3 TO OUTSIDE OF WALL TO CAPTURE OVERALL DIMENSION. COORDINATE WITH STRUCTURAL	We will look at the impact of moving the grid on all the plans and see if moving the grid		10/15/2010 Note	d	
150	Loo Arnon	Yes	A 440 44/04			will create problems. FOUNDATION HAS BEEN REMOVED FROM PLAN	Pieterick Pieterick	10/13/2019		
158	Lee Arnon		A-110-14/64		DO NOT SHOW STRUCTURAL BELOW GRADE FOOTINGS			10/15/2019 Note		
159	Lee Arnon	Yes	A-110-14/64	GRADE LEVEL PLAN	DO NOT SHOW LOWER LEVEL DOOR AT BOTTOM OF STAIR	DOOR SWING HAS BEEN REMOVED FROM PLAN	Pieterick	10/15/2019 Note	u	
160	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	COORDINATE EXTERIOR LANDING ELEVATIONS W/STRUCTURAL. DO NOT	COOT ELEVATION HAVE DEEN DELETED EDOM ABOUTECTURAL EL AN	Distantale	10/15/2010 Note	d	
					MATCH. SEE SHEET S-112	SPOT ELEVATION HAVE BEEN DELETED FROM ARCHITECTURAL PLAN.	Pieterick	10/15/2019		
					DIMENSION STRING ON THE RIGHT SIDE OF THE SOUTH ELEVATION APPEARS					
161	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	TO DIMENSION SOME RAMP ELEMENTS AND SOME BUILDING ELEMENTS.	DIMENDION HAVE BEEN OHANGES SO BUILDING STREETS SO STREET		Note	d	
					CONFUSING. PROVIDE DIMENSIONS OF BUILDING ELEMENTS ONLY AND	DIMENSION HAVE BEEN CHANGES SO BUILDING DIMENSION ARE ON A	Distorials			
					REFER TO STRUCTURAL FOR CONCRETE RAMP DIMENSIONS.	DIFFERENT STRING THAN THE STAIR/ RAMP DIMENSIONS	Pieterick	10/15/2019		
162	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	MISSING FLOOR ELEVATION IN THE CONTROL ROOM SIDE OF THE BUILDING	SPOT ELEVATION ARE SHOWN ON STRUCTURAL DRAWINGS. SPOT ELEVATION		Note	d	
.02	valena rierate	. 55	7	0.0.022 22.121.2.01		WAS REMOVED FROM THIS PLAN.	Pieterick	10/15/2019	~	
163	Valeria Norato		A-110-14/64	GRADE LEVEL PLAN	INSUFFICIENT DIMENSIONING OF BUILDING WALLS, OPENINGS AND			Note	d	
	Valoria Horato		71 110 1 1/01	0.0.02 ==	PARTITIONS	WAS UNABLE TO FIND ANY ERRANT OF MISSING DIMENSIONS.	Pieterick	10/15/2019	_	
164	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	COORDINATE DIMENSIONS OF STAIRS GOING TO THE LOWER LEVEL			Note	d	
104	Valena Norato	103	7. 110 14/04	SIVIBLE LEVEL I EXIV	W/STRUCTURAL SEE SHEET S-112	DIMENSIONS HAVE BEEN ADDED TO CLARIFY STAIR LOCATION.	Pieterick	10/15/2019	ď	
						NOTE 1 DOES SAY TACTILE WARNING SIGN. WE REFERRED TO NOTE 1				
165	Valeria Norato		A-110-14/64	GRADE LEVEL PLAN	TACTILE EXIT ROUTE SIGN INSTEAD OF NOTE 1	BECAUSE THERE WASN'T ENOUGH ROOM ON THE PLAN TO FIT THE WHOLE		Note	d	
						CALLOUT.	Pieterick	10/15/2019		
166	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	MISSING LOUVER MARKERS AND NUMBERS	LOUVER MARKS WERE ADDED TO EXTERIOR ELEVATION	Pieterick	10/15/2019 Note	d	
167	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	ADD NOTES AT MATCH LINES. WEST SIDE: "SEE STRUCTURAL FOR			Note	d	
107	Valena (Volato	103	71 110 14/04	OKABE EEVEET EAR	EQUIPMENT AREA". EAST SIDE: "SEE STRUCTURAL FOR CONCRETE RAMP"	EDITED MATCHLINE NOTE TO REFERENCE STRUCTURAL	Pieterick	10/15/2019 Note	u .	
						NO - THE SHOWER IS OVER 7'-0" AFF AND THE EYE WASH WILL TAKE UP				
168	Valeria Norato	Yes	A-110-14/64	GRADE LEVEL PLAN	WILL EMERGENCY SHOWER REDUCE REQUIRED EGRESS WIDTH?	ABOUT 1FT OF THE 5'-4" CORRIDOR LEAVING ABOUT 4'-4" FOR EGRESS. 3'-0" IS	S	Note	d	
						REQUIRED.	Pieterick	10/15/2019		
169	Valeria Norato	Yes	A-120-14/64	ROOF PLAN	ROOF SLOPE FOR CRICKETS NOT SHOWN	ROOF SLOPES FOR CRICKETS WILL BE DETERMINE BY CONTRACTOR.	Pieterick	10/15/2019 Note	d	
170	Valeria Norato	Yes	A-120-14/64	ROOF PLAN	MOVE ROOF SCUPPER WEST TO OPEN AREA OF ROOF FOR BETTER	THE DRAINAGE WORKS FINE. THE LOCATION WAS SELECTED TO KEEP DUCT		Conf	irm and discuss with the City	
170	Valena Norato	103	71 120 14/04	ROOF FEAT	DRAINAGE AROUND EQUIPMENT.	PENETRATION AND EQUIPMENT OUT OF THE VALLEYS.	Pieterick	10/15/2019	inin and discuss with the Oity	
171	Valeria Norato	Yes	A-120-14/64	ROOF PLAN	MISSING DETAIL 0753-100 ON STANDARD DETAIL	Callout on elevation has been changed to 0752-100.	Pieterick	10/15/2019 Note	d	
172	Valeria Norato	Yes	A-201-14/64	NORTH ELEV	SHOULD BE A 16" X 16" AIR INTAKE LOUVER SEE M-112	WILL COORDINATE WITH HVAC	Pieterick	10/15/2019 Note	d	
173	Lee Arnon	Yes	A-201-14/64	EAST ELEV	RAMP IS SHOWN IN ELEVATION BUT NOT IN PLAN. ADD NOTE: "SEE			Note	d	
173	Lee Amon	162	A-201-14/04	EAST ELEV	STRUCTURAL FOR CONCRETE RAMP SLOPES AND DIMENSIONS"	RAMP IS DESCRIBED ON STRUCTURAL DRAWING S-113.	Pieterick	10/15/2019	ď	
174	Lee Arnon	Yes	A-202-14/65	SOUTH ELEV	ADD NOTE ON WEST END: "SEE STRUCTURAL FOR OUTDOOR EQUIPMENT			Noto	d	
1/4	Lee Amon	169	A-202-14/00	3001H ELEV	AREA"	CALL-OUT ADDED	Pieterick	10/15/2019 Note	u	
175	Lee Arnon	Yes	A-202-14/66	SOUTH ELEV	ADD NOTE ON EAST END: "SEE STRUCTURAL FOR CONCRETE RAMP SLOPES			Noto	d	
175	FEE VILIOII	169	A-202-14/00	JOUTH ELEV	AND DIMENSIONS"	ADDED CALL-OUT TO SEE STRUCTURAL FOR RAMP CONSTRUCTION	Pieterick	10/15/2019 Note	u	
176	Lee Arnon	Yes	A-202-14/67	SOUTH ELEV	MOVE SCUPPER AND DOWNSPOUT WEST TO OPEN AREA OF ROOF FOR			Note	d	
176	Lee Amon	169	A-202-14/07	3001H ELEV	BETTER DRAINAGE AROUND EQUIPMENT.	SCUPPER WORKS BEST WHERE IT IS. NO ACTION TAKEN	Pieterick	10/15/2019 Note	u	
177	Lee Arnon	Yes	A-202-14/64	SOUTH AND WEST	LOUVER MARKERS AND NUMBERS MISSING.	LOUVER MARKS ADDED	Pieterick	10/15/2019 Note		
178	Valeria Norato	Yes	A-301-14/64	A SECTION	MISSING SHEET A-115 REFERENCED IN A SECTION	DRAWING REFERENCE WAS CORRECTED	Pieterick	10/15/2019 Note	d	
179	Valeria Norato	Yes	A-301-14/64	A SECTION	CORRELATE LABEL W/STANDARD DETAIL	UNSURE WHAT THIS MEANS	Pieterick	10/15/2019 Note	d	
180	Valeria Norato	Yes	A-301-14/64	B SECTION	ROOF ACCESS DETAIL IS LABEL DIFFERENTLY ON STANDARD DETAILS	CHANGE LABEL ON SECTION TO MATCH TITLE OF DETAIL	Pieterick	10/15/2019 Note	d	
404	Valeria Ner-t-	Vaa	A 404 44/04	REFLECTED CEILING	MICCOFIL *CFILING				4	
181	Valeria Norato	Yes	A-401-14/64	PLAN	MISSPELL *CEILING	SPELLING CORRECTED	Pieterick	10/15/2019 Note	u	
				DEEL FOTED OF 1112						
182	Valeria Norato	Yes	A-401-14/64	REFLECTED CEILING	COULD LUMINAIRE ALIGN WITH CEILING?	Not sure which luminaire you are referring to. However we did notice that electrical plan	n	Note	d	
				PLAN		differs from Architectural lighting so Architectural will be updated to match electrical.	Pieterick	10/15/2019		
400	Malada N	V	A 404 4 ***	REFLECTED CEILING	WHY DON'T HAVE IT ON SEPARATE SHEET SHOWING COMPLETE REFLECTED					-
183	Valeria Norato	Yes	A-401-14/64	PLAN	CEILING PLAN OR USE SAME SCALE AS OTHER DRAWINGS	WE ONLY HAD CEILING MATERIAL IN THIS AREa OF THE BUILDING	Pieterick	10/15/2019 Note	a	
4	V 1 - N -	.,		REFLECTED CEILING						
184	Valeria Norato	Yes	A-401-14/64	PLAN	DOES NOT SEEM TO MATCH ELECTRICAL PLAN EF-112	RCP HAS BEEN UPDATED TO MATCH ELECTRICAL	Pieterick	10/15/2019 Note	d	
185	Valeria Norato	Yes	A-401-14/64	ENLARGE PLAN	NEEDS A CORRESPONDING LABEL ON KEYNOTE NOTE 3	Will fix	Pieterick	10/15/2019 Note	d	
186	Valeria Norato	Yes	A-401-14/64	ENLARGE PLAN	ALIGN INTERIOR ELEVATION W/ ENLARGED PLAN	Will consider changing. This does not impact the conductibility of the work.	Pieterick	10/15/2019 Note		
187	Valeria Norato	Yes	A-601	LOUVER TYPES	LOUVER TYPE IS DIFFERENT TO LOUVER SCHEDULE	CHANGED LOUVER TYPE TO MATCH SCHEDULE	Pieterick	10/15/2019 Note		
.01	- aiona riorato	100	7, 001	LOGVERTITEO	SOME MANUFACTURER ARE NOT INCLUDED ON SPECS	NOTE ON FINISH SCHEDULE SAYS THE MANUFACTURE NAME IS USED ONLY	. ISTOTION	10/10/2010 11000	-	
					The state of the s	FOR REFERENCE PURPOSES. THE INFORMATION IS PROVIDED SO THE				
188	Valeria Norato	Yes	A-601	COLOR LIST		CONTRACTOR CAN UNDERSTAND WHAT THE COLOR/TEXTURE IS. NO CHANGE	=	Note	d	
						PLANNED.	Pieterick	10/15/2019		
	1	1	1	1	1	, ==D.	. IOCOTION	10/10/2010		

	San José-Santa Clara Regional Wastewater	Facility							Quality Review Form	
~2	Regional Wastewater	File Name:		QRF Log Backcheck By Cit	v (2/1/2020)	Submittal Date:		10/9/2019		
		Project Name:		New Headworks and Head	works Improvements Project	Reviewer/s:		City/CIP/O&	М	
		Document:		New Headworks Project - 6	0% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		7477/7701 2/1/2020		
STRUCTIO	ONS: Critical issues may have a sign	nificant impact on rework, s	chedule, cost or risk and	l require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.	Dacktiletk Date		2/1/2020		
				Reviewer		Originator			Deviewer	
	Daviewer	Critical	Dana Inday	Reference	Comments / Overtions	1	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
189	Valeria Norato	Yes	A-601	FRAME TYPES	MISSING FRAME TYPE F-4	THE FRAME TYPE NOTED IN THE SCHEDULE WAS IN ERROR. F-4 IN THE SCHEDULE HAS BEEN CHANGED TO F-2.	Pieterick	10/15/2019	Noted	
190	Valeria Norato	Yes	A-601	DOOR TYPES	DOOR TYPE G IS NOT USED ACCORDING TO THE SCHEDULE	103B SHOULD HAVE BEEN A G TYPE DOOR. THE SCHEDULE HAS BEEN CORRECTED.	Pieterick	10/15/2019	Noted	
191	Lee Arnon	Yes	S-102-14/64	LEVEL	CONSIDER MOVING GRID MARKER #3 TO OUTSIDE OF WALL TO CAPTURE OVERALL DIMENSION.	Will review	Scoggins	10/15/2019	Noted	
192	Lee Arnon	Yes	S-112-14/64	STRUCTURAL GROUND LEVEVL	COORDINATE LANDING ELEVATIONS AND STAIR DIMENSIONS WITH ARCHITECTURAL	Will be coordinated	Scoggins	10/15/2019	Noted	
193	Lee Arnon	Yes	A-601-14/64	SCHEDULES	WHAT DISCIPLINE IS SHOWING ROOM NUMBERS?	ANY DISCIPLINE CAN SHOW ROOM NUMBER BUT THE ARCITECTURAL DISCIPLINE IS REQUIRED TO SHOW ROOM NUMBERS.	Pieterick	10/15/2019	Noted	
194	Lee Arnon	Yes	A-601-14/64	SCHEDULES	ARE THERE ADDITIONAL FINISHES ON THE LOWER LEVELS?	THE LOWER LEVEL OF THE ELECTRICAL BUILDING AND THE GRIT BUILDING HAVE PAINTED WALLS AND CEILINGS.	Pieterick	10/15/2019	Noted	
195	Lee Arnon	Yes	A-601-14/64	SCHEDULES	WHAT DISCIPLINE IS SHOWING THE DOORS AND DOOR MARKER NUMBERS?	ONLY ARCHITECTURAL	Pieterick	10/15/2019		
196	Lee Arnon	Yes	A-601-14/64	SCHEDULES	ARE THERE ADDITIONAL DOORS ON THE LOWER LEVELS?	THERE IS ONLY ONE DOOR ON THE LOWER LEVEL	Pieterick	10/15/2019	Noted	
197	Valeria Norato	Yes	087100-2	BUTT HINGES	SECTION 2.03 H2 HINGE NOT USED IN PROJECT?	H2 IS AN ELECTRIFIED HINGE. WE MIGHT BE USING IT DOOR 103A IF THE PANIC BAR IS EXPECTED TO RETRACT. WILL CONFIRM IN 90% DESIGN IF IT	Pieteriale	40/45/0040	Noted	
						WILL BE USED. TWO DOORS HAVE GLASS. ONE IN THE ELECTRICAL BUILDING AND ONE IN	Pieterick	10/15/2019		
198	Valeria Norato	Yes	088000-0	GLAZING	GLAZING- WHERE IS IT USE?	THE GRIT BUILDING.			Noted	
						WE COULD DELETE ALL BUT TWO OPTIONS IN THE SPEC. (TINTED INSULATING GLASS AND TEMPERED GLASS.)	Pieterick	10/15/2019		
199	Valeria Norato	Yes	099000-5	MANUFACTURERS	MANUFACTURERS ON SCHEDULE ARE DIFERENT	THE MANUFACTURER USED IN THE SCHEDULE IS REFERENCED IN THE SPEC. WE ONLY REFERENCE THE ONE MFR IN THE SCHEDULE SO WE CAN CLEARLY			Noted	
						IDENTY THE COLOR WE EXPECT TO SEE.	Pieterick	10/15/2019		
200	Lee Arnon Ed Fernbach	Yes	9 27		MISSING CONCRETE CEILING EBOS Effluent Gates - The plan here is to provide a new motorized slide gate on the	A-601 14 BLDG64 AND a-601 14HW3GB SHOW PAINTED CONCRETE CEILINGS.	Pieterick	10/15/2019	Noted	
201					120" to HW2 and only reuse the stop plate on the entrance to HW3. However, in the 30% it was tested that HW2 provides backup to all the needs to shut down HW3. It's my understanding that O&M is not OK with this approach. In my other comments, I ask for clarification on how stop plates will be used at HW3. This issue of isolation and how HW2 provides "backup" when all of HW# needs to be shut down for gate and screen repair needs to be clarified.	1. Whole HW3 shutdown: a) If major portions of HW3 need to be taken offline downstream of screens, then the screen influent isolation gates can be closed (3 gates). Major portions would be common wetwell of RS PS, or common influent channel of Grit, or common effluent channel of Grit, or 120" RS pipe between Screens and RS PS. b) If the 108" RS between EBOS and the Screen Channel enquires isolation, then a stop plate would be installed over the entrance of the 108" RS pipe. 2. Partial or Whole HW3 shutdown: a) If the screen influent isolation gates need repair, individually or collectively, then a stop plate can be installed in the slot on the upstream side of the gate. During Whole HW3 shutdown, HW2 is the facility treating the water. Per discussions on 10/22 and 10/30 slots (or guides) will be provided in order to isolate individual gates for maintenance. Fabricated steel stop plate will be provided at Screens (2), Raw Sewage Pump Station (2), and Grit Facility (1). Ed suggested storing Screen stop plates between channels; Ed suggested storing Grit Facility stop plate insitu. The storage locations will be finalized during the 90% design. The height of the screen gate will be reviewed and will evaluate if it is possible to have a deep concrete "beam" extend across teh channel and down to reduce the overall gate height. GMP Assumption: Include scope change.		12/6/2019	Agree With Response. City needs to develop a protocol for channel entry behind these big gates since they can be over topped. Jacobs to provide City with draft and final Control Strategy memorandums prior to finalizing DCS setpoints regarding flow splits and overtopping any channels/gates/slots.	
202	Ed Fernbach	Yes	27, 29, 93, 94		move to eliminate the five pump discharge meters. There is a scenario where the East and west meters are eliminated com[lately, HL from CA Structure to primaries reduced and the primary inlets are used for flow control. Please think out 10-20 years on how	It has been confirmed that the accuracy of the meters at 35MGD is 0.4%. Ed believes that the valves downstream and fitting upstream are creating accuracy issues for the meters. Dan to talk to Tim Lewis about the issue.	Veukor/Moset÷	40/24/2242	Noted. Jacobs to review peak flow assumptions going to the West Primaries with the City during the 60%-90% design phase.	
203	Ed Fernbach	Yes	27		this plant will be needed to operate. Please put the design flows on all the PFD	Jacobs recommendation is to not eliminate the 5 RS flow meters at HW3. These values are shown on the profile. To avoid redundancy PFD will not show these	Youker/Maestri	10/31/2019	Noted	
	Ed Fernbach	Yes	27, 93. 94		The schematic around the East and West meters shows the reducers and increasers in	values.		10/15/2019		
204		1.55			the wrong locations. Be specific as to what is in the yard and in the structure.	Will update.	White	10/15/2019	Noted	

	San José-Santa Clara Regional Wastewater	= 11.						(Quality Review Form	
₹57	Regional Wastewater	File Name:		QRF Log Backcheck By Ci	h. /2/4/2020)	Submittal Date:		10/9/2019		
		Project Name:			works Improvements Project	Reviewer/s:		City/CIP/O&	М	
		Document:		New Headworks Project - 6	60% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		7477/7701 2/1/2020		
STRUCTIO	DNS: Critical issues may have a sign	ificant impact on rework, so	hedule, cost or risk and	d require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.	Dacktileth Date		2/1/2020		
				Boviower		Originator			Deviewer	
	Reviewer	Critical	Page Index	Reviewer Reference	Comments / Questions	Resolution / Response	Resolution		Reviewer Back-Checked	Cost
#	Ed Fernbach	Issue	29	Drawing, Specification,	I have many questions on the profile and many may be because I have not been	Influent flows will be over a range throughout a drawdown. Showing a single point	Name	Date	& Approved	\$ 1,697,461
205		Yes	23		involved in the model. Starting from EBOS and working to the East Primary Sed Tanks: 1) Should we show the assume level in EBOS during a flushing cycle? 2) The maximum design level in the approach channel to the screens is El 11.83. It should be shown and reflected in the slide gate and screen design. 3) Weir gate OF to EOB is still shown at 10.27. It's my understanding from the 30% comments that this weir is sealed off. 4) I seen a control schematic that says RSPS will be controlled by level on EBOS. This seems like a bad idea given the screens will have significant impact on the level in the wetwell. We needs to have a discussion on this approach if it is true. 5) Would like to have seen the range of operating levels for there RSP3 wetwell. 6) The profile for the RSPS is several feet higher until the pumps achieve successful siphon) A segment was made on 10/3/19 that Jacobs is responsible for the hydraulic profile only to the CA structure. I must believe that this is ion error. 7) The headloss across the headcell influent is shown constant for all flows - I don't believe that is true. 8) The East and West Meter boxes are not shown	during that process will likely have little value. 2. Noted. 3. The existing weir gates are not going to be modified and will remain as shown. 4. Noted. 5. Will consider adding.	White	10/15/2019	Noted	
206	Ed Fernbach		30		an example, the headcell criteria don't match what is in the specs. Design heads for all pumps are not shown. Grit pump flows are missing. If we are accommodating 30 yd	This sheet was discussed with City PM on 10/21 The firms involved take a different approach to what is included on the design criteria sheets. This sheet does not impact		10/31/2019	Noted	
207	Ed Fernbach		34		Containment area around septic dump is not shown	Containment will be included in renderings for final design. Curbs and containment at	, , , , , , , , , , , , , , , , , , , ,		Noted	
208	Ed Fernbach		35		See comments on later mechanical sheets regarding odor control, deck openings for	south end are called out on 60% plans	Chandler	10/14/2019		
209	Ed Fernbach		37		maintenance of gates and screens, platforms control station location and slide plates. Doors into the area under the grit feed channel and grit pump room. I do not understand why these doors are not at grade (EI 9+/-). If the plant is flooding, wastewater will come out of all the floor drains and the rooms will flood even if the doors are up high.	Grit pump room has hub drains and trench drain that are routed to the sump. Plant staff have asked that the dumpster drains are routed to the recycle pump station, not connected to the basement. The drains from the headcells The pumps are being changed to variable speed so they don't run out on their curve. Walked through how to drain a headcell (this is another review comment and response). Clarified that the 16" goes to the screens. The 6" to the plant drain pump station collects the grit pumps and floor drains and is routed to the recycle pump station. In order to get rid of those sump pumps we would have to lower the slab of the recycle pump station. Agreed that the current design is better but the pumps need to be robust to pump the grit and washdown.	Youker, Maestri	10/15/2019	Noted	
210	Ed Fernbach		39		I would have liked to see a key to the pipe colors used.	acknowledged.	Maestri	10/15/2019	Noted	
211	Ed Fernbach		40		Replace and upsize the existing FM from RSPS2 to the CA structure. Tie in with the new 96. Use the same right-of-way since it is known. This idea may have been considered earlier and I just missed it.	The exact details of this may not be the same, but we did evaluate a form of this concept. We evaluated routing HW 3 north and tieing in with the RSPS 2 discharge, and utilizing the existing 96" RS pipe currently installed to convey total flow into California Structure. We did evaluate replacing and upsizing the existing 96". In the end, City did not want a single pipe conveying all of the flow into the California Structure	Youker, Maestri	10/10/2019	Noted	
212	Ed Fernbach		43		The grit piping is overly complicated with more bends than needed and no access		·	10/10/2019	Noted	
213	Ed Fernbach		45		flushing connections. See comments on mechanical sheets Odor Control ducting - I confused by the air flow path. Shouldn't air be drawn from the space in front of the screens and influent gates? Ducting off the top of the screen housing is needed to prevent corrosion in the top shaft and bearing area.	Will review comments on mechanical sheets. Current approach is that air is extracted just downstream of the screens from the channels. The screen enclosures will likely be leaky such that air will be drawn into the enclosure via negative pressure maintained in the channels. This fresh air drawn into the enclosures will limit corrosion potential within the enclosure itself. If we extract directly from the enclosure then corrosion potential will be increased within the enclosure since higher concentration foul air would be drawn into the enclosure from channels below. Extracting air downstream of the screens as opposed to the inlet side is considered favorable since inlet gates will likely be leaky and therefore fresh air will naturally be drawn into the channels from the inlet side. This will ensure sufficient scavenging of odors occurs within the channels.	Youker	10/13/19	Noted	

	San José-Santa Clara								Quality Review Forn	n	
₹57	San José-Santa Clara Regional Wastewater	r Facility									
		File Name:		QRF Log Backcheck By Ci		Submittal Date:		10/9/2019			
		Project Name:			Works Improvements Project	Reviewer/s:		City/CIP/O&			
		Document:		New Headworks Project - 6	60% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		7477/7701 2/1/2020			
STRUCTION	IS: Critical issues may have a sign	nificant impact on rework, s	schedule, cost or risk and	I require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.	Dackelleck Date		2/1/2020			
	T	0-101		Reviewer		Originator	Desertation.		Reviewer		
#	Reviewer	Critical Issue	Page Index	Reference Drawing, Specification,	Comments / Questions	Resolution / Response	Resolution Name	Date	Back-Checked & Approved	•	1,697,461
	Ed Fernbach	10000	46		There are spaces shown for 11 slide plates on this sheet. We need to have a	Per 12NOV2019 meeting scope will iinclude slide guides for isolation and 2 slide plates	Nume	Duto	олиристо	Ť	1,007,401
214					discussion on slide plates, how they will be used, crane access or pick points, gate storage, etc.	to allow a single pump to be isolated at a given time.			Noted	\$	33,000
						GMP Assumption: Include scope change.	Crook	12/6/2019			
215	Ed Fernbach Ed Fernbach		47 49		Looks like the FITs for the mag meters are in a location that can flood I would have centered the grit loading are on the west wall to shorten and simplify grit	FITS will be mounted above design flood elevation on a stanchion. Agreed to move the grit washer "pod" and dumpsters to the south. Presumably to	Crook	10/15/2019	Noted		
	Lu i embacii		43		piping from tanks 1 & 2.	reduce grit pump discharge piping.					
216									Noted	\$	15,000
						GMP Assumption: Assume re-alignment is scope tradeoff. Include scope adjustment for 45 bends in lieu of 90 bends.	Vandan Manatal	40/0/0040			
	Ed Fernbach		50		Access hatches to the headcells?	Portions of the removable cover will include 2x2 observation hatches for spray down.	Youker, Maestri	12/6/2019			
217					The state of the meaderies	Have assumed 2 openings on opposite side so light can get down into basin. Details to			Noted		
						be included next phase.	Youker	10/10/2019			
	Ed Fernbach		52		The ladder running up the side of the tower is not legal	Per 10/22 meeting a cage will be added. A caged ladder is optional but not mandatory. However, a ladder provided with safety rail for fall protection is required. When					
						accessing the ladder, one will need to put on a harness and attach to the safety rail.					
218						Spec will be modified to ensure the fall protection feature is included.			Noted	\$	10,000
								40/0/0040			
	Ed Fernbach		53		Electrical Bldg. needs easy roof access with so much equipment up there.	GMP Assumption: Include safety ladder, no cage. The access to the roof is based on feedback from the City staff previously. With that	Cowden/Maestri	12/6/2019			
	Lu i embacii		33		Lieuthida bidg. Heeds easy foot access with so much equipment up there.	said during 10/22 meeting it was decided to remove the ladder from inside the building					
219						and add a ships ladder on the exterior near the transformers. Will likely need steps			Noted	s	42,000
210						inside the parapit as well as up to it.			Hotod		12,000
						GMP Assumption: Include ships ladder.	Maestri	12/6/2019			
220	Ed Fernbach		84		Septage dump station drain pipe looks to be flat - needs a significant slope				Noted		
	5.5.					Will update for 90%. Detail is drawn incorrectly - pipe designed with 1% slope to EBOS.		10/14/2019			
221	Ed Fernbach Ed Fernbach		81 80		Containment curb needs to be above EL 11 Crane Pads needed on levee road	Top of containment curb noted as elev. 11.25 on referenced drawing. As discussed on 10/22 we will investigate further at 90% but it is anticipated that crane	Chandler	10/14/2019	Noted		
222						operators will bring in their own pads to be placed on the asphalt. No change			Noted		
						anticipated	Chandler/Maestri	10/31/2019			
223	Ed Fernbach Ed Fernbach		86 91		See comment No. 11	See comment No. 11 response 16" GR/OF routes to SE corner of Screens, will add additional leader after pipe crosses	Michaud	10/15/2019	Noted		
224	Lu Fembach		91		Cannot tell where the 16-inch grot overflow line goes to.	FA duct.	Chandler	10/14/2019	Noted		
	Ed Fernbach		91			Intend to use grit slurry pumps to draw down as low as possible (approximate 7'-10').					
						Then open drain valve to drain by gravity to HW3 Recycle pump station. The level in Grit Basin will drop until break suction (approximate 1'-2' at bottom of conical tray. Grit					
225					Consider how the headcells will be drained - pumps will not get it all the way down.	Basin will need to be filled to above Grit Pump centerline to "re-prime" the drain pipe.			Noted		
						The basin may not draw down to dry condition, but that is only required is if trays are					
	5.5.1.1		20.0.04			removed.	Chandler/Youker	10/14/2019			
	Ed Fernbach		93 & 94		1) Line sizes outside of the structures appear to be wrong. 2) Tees and reducers not shown. 3) currently isolated with slide plates. Approach configuration seems poor for	1) Pipe sizes inside vault are correct. 2) Piping inside meter vaults is correct; record drawings show 2' long spools outsde vaults which is where modeling of the system					
226					accurate metering. See comment on the hydraulic profile. Either fix the meters to	stopped. 3) Slide plates located at the Primary Influent Distribution structure, not the			Noted		
					modern standards and accuracy or take them out completely if the RSPS3 meters	meter vaults. 4) We have shown meter and valve replacement per City direction. Per					
227	Ed Fernbach		94		remain. Use the headloss in future improvements to East and West primaries. Air relief vault or standpipe at highpoint over 11x11	10/22 and 10/30 meetings, meter sizes will be as currently shown. Two Air Relief Valves (ARV) called out. Details to be included in 90% design phase.	Chandler/Youker/Maestri Chandler	10/31/2019	Noted		
441	Ed Fernbach		140		PAI TOROL YAUR OF STANDARDE AT HIGHPOIRT OVER TIATI	FeCI: Will show "empty box" for FeCI Storage and Feed system, and show the piping we		10/14/2019	HOLEU		
228					Show FeCL3 system and samplers	are relocating			Noted		
	Ed Fernbach		140			Samplers: Will show them in minimal presentation. The control model (Replica) will be more fully developed this fall.	Youker	10/15/2019			
	Lu Fembach		140		I was told the SOP for RWSP3 pumps will be based on these EBOS LITs. The screen	a) However, if only RSPS3 pumps operating, they likely will be controlled from RSPS3					
229					operation in the middle will make this approach unstable. Consider going back to	wetwell level over a band from low to high flow.			Noted		
					running RSPS3 pumps to maintain a range of wetwell levels	b) When operating in parallel with HW2, control level may shift to EBOS level.					
	Ed Fernbach		143			Will Check if gate actuator is open/stop/close so gate can be partially opened. If not	Youker	10/10/2019			
	25.011104011		. 10			then make "modulatiing". Want to be able to jet water under gate to push any settled					
						grit along.					
230					Gates should allow for flushing screen channels - not just open and close. Show the flag gates on the drain connections. Stop plates should be shown.	2) agree 3) agree			Noted	\$	171,000
					gates on the drain connections. Stop plates should be shown.	-0/ 4g/-00					
						GMP Assumption: Include additional embeds or guides, and stop plates with flap					
	Ed Fornbach		4.4.4		Ships water is 2 inch but space call for 200 and. Does the bar have lone switches at the	valves.	Youker, Maestri	12/6/2019			
231	Ed Fernbach		144		Sluice water is 2-inch but specs call for 200 gpm. Does Huber have jam switches at the motors?	Huber had 2" nozzle on end of sluice. Need to coordinate	Youker	10/10/2019	Noted		
	Ed Fernbach		144			Acknowledged. Per direction from City PM, this is not in the scope of this project and					
000					All large headworks I have seen have hot water for grease control. O&M says they don't	O&M says they do not want it.			Neted		
232					have it now and don't need it. I disagree.	Generally, I've seen HW for perforated plate screens, not bar screens. Possibly			Noted		
						they have portable high pressure/hot water pressure washer.	Youker/Maestri	10/31/2019			
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Part		San José-Santa Clara Regional Wastewater	Facility							Quality Review Form	
Part	≋⊇'	Regional Wastewater			ORE Log Backcheck By Ci	h. (2/1/2020)	Submittal Data:		10/9/2019		
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Manual	TRUCTIC	7N3. Chilical issues may have a signi	illicant impact on rework,	scriedule, cost or risk and	a require immediate resolution. All cor	пшеніз пеец ю ве васк-спескец апи арріочец ву те гечівмегі.					
		_					Originator				
10	#	Reviewer		Page Index		Comments / Questions	Resolution / Response		Data		Cost \$ 1,697,461
March Marc		Ed Fernbach	issue	146	brawing, opecification,		I) I've used motorized for open/close (in-service/out-of-service) where speed not an	Name	Date	α Αρριονέα	\$ 1,097,401
March Marc						1, , , , , , , , , , , , , , , , , , ,	·				
March Marc	233					, , ,	,			Noted	
March Marc											
Part		Ed Fornbach		1.17			Temporary hin to be coordinated between mechanical and I&C. Want uninhihited flow	Youker	10/10/2019		
Continue	234	Lu i embacii		147		Sluice trough overflow is only 6-inch but 16 inch to Temp bin shown here.		Youker	10/10/2019	Noted	
19	235						See response to comment 235	Youker/Maestri	10/31/2019	Noted	
1985 Procedure 148	236	Ed Fernbach		149			Major process lines will be increased in size in the 90% review set	Foley	10/15/2019	Noted	
Section Sect	237						The vacuum breaker is sized for 6 inches. It vent to atmosphere.			Noted	
The Facility The American Continue Processing Continue Process	238	Ed Fernbach		149		Power to pump appears to be coming thru the local control station?	· ·	Folov	10/15/2010	Noted	
See		Ed Fernbach	+	153				roley	10/13/2019		
Section Company Comp											
## And Provided Services and Provided Servic											
Fig. 1 of Fair Alary 1 of Fair Alary 2 of Fair	239					· · · · · · · · · · · · · · · · · · ·	2) The Diversion Gate is at invert of channel and used to intentionally bypass flow. If			Noted	
Part						SHOWN.					
New Property of the Control of the C							' '	Youker	10/10/2019		
Septiminate and the common features and the production of pulsing the coffee of of puls		Ed Fernbach		156			Can add inexpensively.				
All Primates Comment Pri	240						Provide direction.			Noted	
The sear discussed in the 1002 receiving and the preparate work week to be above the control to go to primones. Nate that the top of this structure needs to be above EL 11. ***Property of the control											
set the count of t		Ed Fornbach		167			i i i	Youker	12/6/2019		
starthorn contents to the concess Let 1.1 For Perhadron 1988		Eu Fembach		107		LIM 2 Desired DC should have the antion to so to primaries. Note that the top of this					
Second Continue Second Con	241						· ·			Noted	
Part							· · ·	Edwards, Youker, Maestri	10/31/2019		
rate get lead into the dark of the first plant of the first plant from the dark from the dark into flow or much. Mye will be a considered from the dark from the first plant from the dark from the dark into flow or much. Mye will be a considered from the dark from the first plant. 244 SF embach 25 Fembach 25 Fembach 25 Fembach 25 Fembach 25 Fembach 26 Fembach 26 Fembach 27 Fembach 28 Fembach 29 Fembach 29 Fembach 20 Fembach		Ed Fernbach		168				, ,			
248 Service Considered, but of character-counted frame would stick into flow for count. Neyte Considered, but of character counters Considered, but of chara	242							Youker	10/31/2019		
Author Control in June 2016 Control in Fundament and extended product and control in June 2016 Control in	243	Ed Fernbach		218		Showing imbeds for motorized slide gates and slide plates. Couldn't find details but	Considered, but felt channel-mounted frame would stick into flow too much. Maybe				
February		Ed Fernhach	+	218			minor impact to flow stream.	Youker	10/10/2019	Notice	
be fabricated when required to be used. Therefore, gate locker not incuded. If stop plates to be added to scope, provide direction. 2 Sections of checker piles provided immediately upstream deaded by scope, provide direction. 3 Sections and checker with opposite and plate score in the section provide additional 3C3 sidewalk coors (8 total, 1 upf down each screen). 3 Downstream slide plate score is sectionally and the screen access, 3) Downstream slide plate score, 1 Screen and subtice access platforms, 5) Pick points for all equipment. 3 Sectional 3C3 sidewalk coors (8 total, 1 upf down each screen). 3 Downstream slop plate sits to be entireduced in them to section and subtice access platforms, 5) Pick points for all equipment. 3 Sectional and subtice access platforms, 5) Pick points for all equipment. 4 Sectional and subtice platforms intentionally not provided. 5 Fermitach 2 21 Spacing between screens is 6 feet - large. Could be reduced or used for gate lockers. 5 Don't understand. Desk designed for City vehicles per information provided. 6 Fermitach 2 22 Sections of the screen access is 6 feet - large. Could be reduced or used for gate lockers. 6 Fermitach 2 22 Sections of the screen access is 6 feet - large. Could be reduced or used for gate lockers. 7 Ownstream since the No. 2.20. Include access platforms in flem No. 2.14. Stop Plates included in them. 8 Sections of City vehicles per information provided. 8 Sections of the screen access is 6 feet - large. Could be reduced or used for gate lockers. 9 Sections of City vehicles per information provided. 9 Sections of the screen access is 6 feet - large. Could be reduced or used for gate lockers. 9 Sections of City vehicles per information provided. 9 Sections of Cit	244	Ed i cilibacii		210		· ·			10/10/2019	Noted	
plates to be added to scope, provided immediately upstream/downstream of screen. 2) Sections of checker plate provided immediately upstream/downstream of screen. Agree that these will not provide good access kfour into channel. Can provide additional 36's delevals done; fol (stuat, 1 up of lown each screen). 3) Downstream stop plate slots intentional left out. Downstream gate rainty used, additional 36's delevals done; fol (stuat, 1 up of lown each screen). 3) Downstream stop plate slots intentional left out. Downstream gate required, use MY. 2) Downstream stop plate slots intentional left out. Downstream gate required, use MY. 2) Downstream stop plate slots intentional left out. Downstream stop stop stop left of left or speech of the provided immediately upstream/downstream of screen. 4) Downstream stop plate slots intentional left out. Downstream stop stop left of left or speech stop stop left of left or speech stop left or speech stop stop left of left or speech stop stop l		Ed Fernbach		220			l.' '.' ' <u> '</u>				
Agree that these will not provide good access down into channel. Can provide additional 3A3 silventianed good required, downs (1 parts lockers, 2) Behind the screen access, 3) Downstream sale plane slots, 4) Screen and stude access platforms, 5) Pick points for all equipment slots, 4) Screen and stude access platforms, 5) Pick points for all equipment added after system is in place. Access platforms add cold and society. Special effection. 3) Downstream stop plate alloss intentional left out. Downstream gate required, use HW 2. Downstream as the added. Provided direction. 3) Downstream stop plate alloss intentional left out. Downstream gate required, use HW 2. Downstream as added. Provided direction. 3) Downstream stop plate alloss intentional left out. Downstream gate required, use HW 2. Downstream as added. Provided direction. 3) Downstream stop plate alloss intentional left out. Downstream gate required, use HW 2. Downstream as added. Provided direction. 3) Downstream stop plate alloss intentional left out. Downstream gate required, use HW 2. Downstream as added. Provided direction. 3) Downstream stop plate alloss intentional left out. Downstream gate required, use HW 2. Downstream as added. Provided direction. 5) Dort understant. Deck designed for City vehicles per information provided. 5) Dort understant. Deck designed for City vehicles per information provided. 5) Dort understant. Deck designed for City vehicles per information provided. 7) Dort understant. Deck designed for City vehicles per information provided. 8) Downstream gate required. 8) Downs											
additional 3/3 aldewalk doors (6 total, 1 upr) drown each screen), 3 Downstream side plate is self-own plate sides internal elf-out. Downstream gate required, use HW 2. Downstream side plate sides internal elf-out. Downstream gate required, use HW 2. Downstream side plate sides internal elf-out. Downstream gate required, use HW 2. Downstream sides can be added. Provide direction. 4) Screen and sluice platforms internitionally not provided. Portable systems available, or permanent added after system is in give. Access performs add cost and scope. Provide direction. 5) Don't understand. Deck designed for City vehicles per information provided. 6MP Assumption: Gate lockers included in Item No. 214. Stop Plates included in Item No. 215. Don't understand. Deck designed for City vehicles per information provided. 6MP Assumption: Gate lockers included in Item No. 214. Stop Plates included in Item No. 226. Include access platforms in Item No. 226.											
245											
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4) Screen and skilice platforms intentionally not provided. Portable systems available, or permanent added after system is in place. Access platforms add cost and scope. Provide direction. 5) Don't understand. Deck designed for City vehicles per information provided. 6MP Assumption: Gate lockers included in Item No. 214. Stop Plates included in Item No. 253. 70 Metr 1262019 8 Defermbach 221 Spacing between screens is 6 feet - large. Could be reduced or used for gate locker. 8 Defermbach 222 See Comment on 218 Noted. Select vehicles will be provided and is specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Noted. Select vehicles will be provided and is specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Noted Select vehicles will be provided and in specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Noted Select vehicles will be provided and in specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Noted Select vehicles will be provided and in specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Noted Select vehicles will be serviced provided and in specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Select vehicles will be provided and in specified in section 05 50 00 Scoggins 10/15/2019 8 Defermbach 222 See Comment on 218 Select vehicles will be serviced to verificate with the select vehicles will be serviced provided be verificated by the serviced from the select with dumpster removed. Discharge tubes will be verificated by the serviced from the select with dumpster removed. Discharge tubes will be vehicles and debetween 60% and 90% design phase. 8 Defermach 224 Noted Select vehicles will be supported from 100 roslab. Sluce will be support	245									Noted	
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246 Ed Fernbach 221 Spacing between screens is 6 feet - large. Could be reduced or used for gate locker. 247 Ed Fernbach 222 See Comment on 218 Noted. Safety climb device will be provided and is specified in section 05 50 00 Scoggins 10/15/2019 Noted 248 Fernbach 222 See Comment on 218 Noted. Safety climb device will be provided and is specified in section 05 50 00 Scoggins 10/15/2019 Noted 249 Fernbach 222 See Comment on 218 Noted. Safety climb device will be provided and is specified in section 05 50 00 Scoggins 10/15/2019 Noted 249 Fernbach 222 See Comment on 218 Noted. A service under the object of the compactors and supports for the Lubes. 248 Fernbach 224 Show pick points for the Compactors and supports for the Lubes. 249 Fernbach 224 Noted to have a discussion on slide plates. Comments at 30 % said HW2 would be 249 Fernbach 227 Noted to have a discussion on slide plates. Comments at 30 % said HW2 would be 240 Spacing between channel. Space between screens is appropriate for access. Youker 10/10/2019 Noted 240 Scoggins 10/15/2019 Noted Noted. Jacobs to work with the Chity to devole well be every every deal of the level were to exceed EL 6.00, it is due to equipment problem. In that case value could overflow top of gate into the out-of-service screen channel and flow to RSPS 3, before reaching high level. Was agreed in 12NOV2019 memorandum. 249 Fernbach 224 Show pick points for the Compactors and supports for the tubes. 249 Fernbach 224 Show pick points for the Compactors and supports for the tubes. 240 Show pick points for the Compactors and supports for the tubes. 240 Show pick points for the Compactors and supports for the tubes. 240 Show pick points for the Compactors and supports for the tubes. 241 Show pick points for the Compactors and supports for the tubes. 242 Show pick points for the Compactors will be support from floor slab. Typically, supports are added between 60% and 90% design phase. 243 Show pick points for the Compactors will be support from floor slab. Typically, suppor							·	Youker	12/6/2019		
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added between 60% and 90% design phase. Youker 10/10/2019 Ed Fernbach 227 Need to have a discussion on slide plates. Comments at 30 % said HW2 would be	242	Ed Fernbach		224		Chaumiel mainte for the Commercian and assessment for the	Compactors will be serviced from the side with dumpster removed. Discharge tubes will			Noted	
Ed Fernbach 227 Need to have a discussion on slide plates. Comments at 30 % said HW2 would be	249					Snow ріск points for the Compactors and supports for the tubes.		Youker	10/10/2019		
		Ed Fernbach		227							
used if gates needed to be repaired. Disagree. We should have stop plates upstream and downstream of all three screen channels. Noted Youker 10/10/2019	250					used if gates needed to be repaired. Disagree. We should have stop plates upstream	they are being added as noted in other responses	Youker	10/10/2010	Noted	
Tourist and administration of the first deficiency and added to folder in deficit following added to folder in deficit fol		<u> </u>	<u> </u>		1	pana aomininan ar arrango octobri ditarinolo.	and a second decreased and other responses	1. 23.00	1.5, 10,2019		

	San José-Santa Clara Regional Wastewater	Facility							Quality Review Form	
		File Name:		QRF Log Backcheck By Ci	ity (2/1/2020)	Submittal Date:		10/9/2019		
		Project Name:		New Headworks and Head	lworks Improvements Project	Reviewer/s:		City/CIP/O&I	М	
		Document:		New Headworks Project - 6	60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
TRUCTION	ONS: Critical issues may have a signi	ificant impact on rework	schedule cost or risk an	d require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.	Backcheck Date		2/1/2020		
77.007.1	one: chacar locate may have a digin	man impact of review,	oonedate, cool or non an	a roquire mimouate roodiation. 7 iii ooi	The state of the s					
	-			Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
	Ed Fernbach	Issue	227	Drawing, Specification,		1) MH size will be per City gray book. 2) agree that if water level in channels is above	Name	Date	& Approved	\$ 1,697,461
251					All MHs should be 60-inch diameter. Drainage will not get to HW3 by gravity when flooding occur at EBOS according to the hydraulic profile.	EL ~8 (super unusual), flow will not drain by gravity.			Noted	\$ 3,000
	Edenokosk		007			GMP Assumption: Include two larger manholes. Intended to route to drain trenches under normal dumpster locations. Can add sump	Youker, Maestri	12/6/2019		
252	Ed Fernbach		227		Drainage for overflow bin not shown.	and connect to drain piping.	Youker	10/15/2019	Noted	
253	Ed Fernbach		231		Show platforms for screen and sluice access 2) Channel access needed behind screens for bar changeout. 3) Crane access from levee road needs to be provided reach to Screen 3 especially far. 4) Hose racks, control stations etc. need to be up on the platforms	1) will add platforms as discussed on 10/22 and 10/30; 2) will work in additional access (4x4 sidewalk doors); 3) crane can set up on levee side;; 4) will review during 90%			Noted	\$ 74,030
	Ed Earphach		222			GMP Assumption: Include scope change for platforms and access hatches.	Youker	12/6/2019		
254	Ed Fernbach		232		The width of the vactor truck dump area seems narrow - only 20ft. Drivers would have to squeeze in and out if tow are there at a time.	Only one vactor truck at a time, and not often. 20 ft width is acceptable to dump a vactor truck. Per 10/22 meeting, the current width is acceptable.	Youker		Noted. However, this plant should be set up a Regional facility for the next 30+ years. This needs to be discussed further post 60%.	
255	Ed Fernbach		233		Compactor overflow missing 2) is there vertical space for future scales? 3) Use pneumatic gates 4) Sluice overflow to bin not shown,	Per discussions with Huber, will add next phase; 2) per discussions on 10/22 if weighing is needed in the future city will use scales at other facilities on site.; 3) Electric O/C gates are sufficient; speed not necessary. Discussed in 10/22 meeting and electric is acceptable and no change will be made. 4) will add additional piping at end of sluice and a permanent small dumpster to use in an emergency situation. Will add additional drainage for small dumpster. GMP Assumption: Include additional sluice length and drain line.	Youker	12/6/2019	Noted	\$ 29,000
256	Ed Fernbach		234		Motorized gates a greater than 14 feet tall. Won't they stick up higher than shown in the section? Note that at EL 11, the seating head on the gates will be 19 feet.	Yes. After we resolve how tall the gate needs to be for isolation (other comments), then we'll get the model fixed up.	Youker		Noted	
257	Ed Fernbach		235		Detail is for a compactor only. Does this match what Huber is supplying? We should	Yes, there should be an overflow for the tub. Huber did not include in original proposal,	Tourci	10/10/2010	Noted	
257	Ed Formbook		245		have a tub overflow.	but we discussed recently.	Youker	10/16/2019	Noted	
258	Ed Fernbach		245		See previous comments on stop plates - where are they, how is ops to reach these locations?	Stop plates are currently not in scope and are only needed for gate maintenance if the pump station is in service. Client can direct if plates are desired to be added to scope.	Crook	10/15/2019	Noted	
259	Ed Fernbach		248		Shouldn't this baffle wall be precast?	Intent is CIP	Scoggins	10/15/2019	Noted	
260	Ed Fernbach		251		Is pipe reaction blocking needed?	Pipe support systems will be finalized as design progresses.	Scoggins	10/15/2019	Noted	
261	Ed Fernbach		252		Motorized slide gates shown in unseating position - why?	To allow the frames for stop plates to be in the seating position, without modification to the structure which would add cost.	Crook	10/15/2019	Noted	
	Ed Fernbach		255			the structure which would due cost.	Crook	10/13/2013		
262					Water supply needs freeze protection (Dec 1991)	Design builder has previously requested site wide guidance from the client regarding approach on freeze protection. Water supply to the pumps will follow site wide guidance. Design builder has previously stated no freeze protection will be added in BODR.	Crook	10/15/2019	Noted	
263	Ed Fernbach		267		Comments on the 30% were directed to provide a more cost efficient structure for the grit removal. It appears many have been ignored in this design. Generally, we find that the most effective use of space includes: 1) Putting the grit pumps under the influent channels, 2) Using the spaces between the headcell inlets for pump removal 3) Providing access to the Pump room from g=ride on the north side 4) Piggy backing the effluent channels; to Primaries on top, to EOB underneath Sketches have been provided under separate cover.	directly load grit into the dumpsters. Per 10/30 meeting we will move the loadout and coanda units further back, centered more on the headcells. Piping will be reviewed to shorten it and decrease the number of 30% bends. Additional review will be done on the layout of the facility and location of the pumps, but no change is planned or approved for that portion of the comments at this time. Hydro Internationa (HI) I was contacted to discuss the location of the piping from the PS into the grit channel. Adding a wall with opening centered on the walls between the hydrocells. HI has said in writing this is acceptable.			The layout approach at 60% was new to us. The Project Team had no intermediate contact with the designers during development of the new layout. Pumping under the Headcell feed channel, extending the headcell effluent channels to the pipeline invert and setting the Coanda Units on piers on the ground (not on top of a big structure) would have been a more cost effective layout. This is a critical issue and the Project Team is hoping these facilities can undergo further optimization from the 60%-90% design phase. This incudes reconfiguration of the the new RSPS 3 discharge and the headcell approach configuration.	\$ 94,531
						GMP Assumption: Include scope change for internal wall. Do not alter piping.	Youker, Maestri	12/6/2019		

	San losá Santa Clara								Quality Review Form	
	San José-Santa Clara Regional Wastewater	acility								
		File Name:		QRF Log Backcheck By Ci		Submittal Date:		10/9/2019		
		Project Name:			lworks Improvements Project	Reviewer/s:		City/CIP/O&		
		Document:		New Headworks Project - 0	60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
				1		Backcheck Date		2/1/2020		
STRUCTIC	DNS: Critical issues may have a signi	cant impact on rework, s	schedule, cost or risk and	require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.					
				Daviewer		Outsington			Paulaura	
		Critical		Reviewer Reference	1	Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
	Ed Fernbach	10000	267	Drawing, opcomouncing			Nume	Date	Agree With Response. Jacobs to	Ψ 1,037,401
									provide the City with memoranda	
									explaining the approach and	
264					Grit inlet channel needs to be tapered to prevent large deposits in the north and south				results for the screens, grit and	
					corners				pump sections. Jacobs to also	
						Plan to perform CFD analysis on the inlet channel (after EBOS and Screens). Agree			provide the final CFD models to	
						, ,	Youker	10/16/2019	the City.	
	Ed Fernbach		283		Grit piping is terribly inefficient. Pumps from Basins 1 & 2 have eight or more right	Will attempt to optimize. 1) Can replace 90s with 45s 2) will review and attempt to				
					angle bends. Please explore ways to: 1) use long radius 45 degree bends, 2) provide	provide additional accessible flushing locations; transitioning from lower level to grit				
265					accessible flush points, 3) Provide flushing system, 4) Take the shortest route possible,	loadout "pod" makes access difficult. 3) 4) will review to shorten an reduce bends			Noted	\$ 12,000
					5)	CMD Assumption. Included 45 hands in Item No. 240	Vaulear	40/0/0040		
	Ed Fernbach		284	+		GMP Assumption: Included 45 bends in Item No. 216. Post-60, we plan to locate gate on downstream side of wall instead of in center of wall.	Youker	12/6/2019		
	Ed Ferribach		204			Can put stop plate guides on upstream side of wall.				
266					Need stop plate in front of gate 14GTE9533-01. This gate can be used for diversion to	Can put stop plate guides on upstream side of wall.			Noted	
200					EOB flow metering.	Normally, the isolation gate at California Structure can be closed to fully isolate and			110100	
						, · · · · · · · · · · · · · · · · · · ·	Youker	10/16/2019		
	Ed Fernbach		286			* *			Notes but leave years for a future	
					Ops needs to be careful when filling grit dumpsters - they will be overweight if full.				Notes, but leave room for a future scale in the vertical profile.	
267					Scales should have been provided.				Jacobs to discuss with the City	
					Ocales should have been provided.				during the 60%-90% phase.	
						0 0 17	Youker	10/31/2019	daming the core core prince.	
000	Ed Fernbach		288			Vacuum breaker pipe will vent to below concrete deck. Access hatches will be detail			N	
268					Where do the vacuum breakers vent to? Headcell access hatches should be shown.	next phase anticipating 2-3 2'x2' openings to hose, observe, let light in when observing.	Youker	10/16/2019	Noted	
	Ed Fernbach		290			Agree that dumpsters occupy small portion of area below grit washers. If washers	Toukei	10/16/2019		
	Ed i ciribacii		230		Dumpsters occupy only a small portion of the loading area - appears the whole structure	oriented more perpendicular to dumpsters, then structure would be shorter, but much				
269					and top deck could be cut down in area.	wider and impacts fire truck access around west side of facility. Per discussions on			Noted	
						· · · · · · · · · · · · · · · · · · ·	Youker	10/16/2019		
	Ed Fernbach		291			1) Long radius elbow have been used, but will review for more direct path with flushing				
					Follow a more direct path with grit piping. Use long radius elbows and flushing	per previous comments.				
					connections. Show location of the flow meter. Do not drain directly into the floor	2) Will enlarge basin drain to 8". Grit pumps will be used to lower water level to approx.				
270					system. ^-ich drains are too small. Not sure the sump pumps are needed with the	half depth, and remove most of grit.			Noted	
					ability to go gravity to the pump station outside.	3) Per previous comment, will review removal of sump pumps. If water level in HW3				
						Recycle Pump station exceeds El 0, then gravity flow from room is not feasible. May need to revise Recycle Pump Station pumps, and/or structure.	Youker	10/15/2019		
	Ed Fernbach	+	292			Will revise 45s to LR, but may push pump further into room.	I OUNCI	10/15/2019		
			202			2) Flushing connections are included, but sounds like desire for a wye/blind flange/hose				
					The two 45 degree ells on the pump suction appear to be short radius. Provide flushing	connection. Provide direction if required.			Noted Editoria 11.17	
271					connections on suction. Where is the flushing header in the pump room? Use full port	3) There is WTR3 (backed up by RW) header in room. Drops to Hose Valves. There is			Noted. Ed to provide information	
					ball valves - not plug valves, on all grit lines.	no hard piped flushing connection. Provide direction if required.			to Brian.	
						4) Can revise plug valves to full-port ball valves. If there is specific manufacturer with				
							Youker	10/16/2019		
	Ed Fernbach		293			6-inch drain to HW3 Recycle Pump Station. If draining a HeadCell, use grit pump to				
070					O in the sharing from the advantage in the constant from 12 and 1	drain half-way down or more, then drain remaining liquid to Recycle Pump Station.			Neted	
272					6-inch drain from headcells is too small for a big grit load and goes to where?	Per previous response, will increase size to 8". Don't want too big, otherwise velocity to			Noted	
		1				, , ,	Youker	10/15/2019		
	Ed Fernbach	+	316			Discussed this in 10/22 meeting. catch basins are routed to this facility so the facility	TOUNET	10/15/2019		
273	Ed i cilibacii		510		Top of recycle pump station needs to be above EL 11. Otherwise a plant flood will flood	will be flooded when there is a flood inside the plant, regardless of how tall the walls of			Noted	
2.0					back up thru floor drains and catch basins.	· · · ·	Edwards	10/15/2019		
	Ed Fernbach		35 20 16.25		Fabricated Slide Gates - 1) Be specific on type of SS 2) Suggest full flat plate front and	1) Paragraph 2.02 dictates all sst to be 316/316L. 2) Will investigate the cost/benefit. 3)				
					back on raw sewage, 3) All gates are Type B; would Type A be less expensive and	Some gates are defined as Type A on the Schedule. Type B gates work well in channels				
274					easier to install and maintain? 4) Get lessens learned from Emergency project on the	where the opening should be full channel with to prevent build up of solids/grit at walls.			Noted	
		1				4) Will request information. 5) Seating Head is to the centroid of the gate. In this case				
					gates should allow for partial opening for channel flushing	10ft is conservative as the gate is 14ft tall.	Edwards	10/15/2019		

	San José-Santa Clara Regional Wastewater	Ftite-:							Quality Review Form	
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		File Name: Project Name:		QRF Log Backcheck By Cit	ry (2/1/2020) works Improvements Project	Submittal Date: Reviewer/s:		10/9/2019 City/CIP/O&I	M	
		Document:			ion Design Drawings and Specs City Backcheck	Project No.:		7477/7701	VI	
				,		Backcheck Date		2/1/2020		
TRUCTIO	DNS: Critical issues may have a signi	ficant impact on rewor	k, schedule, cost or risk and	d require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.					
				Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution	_	Back-Checked	Cost
		Issue	· ·	Drawing, Specification,	Somments / Questions	Nesolution/ Nesponse	Name	Date	& Approved	\$ 1,697,461
	Ed Fernbach		44 31 00-26			Correct Spec Section is 44 42 30				
275					Huber has been selected. Few comments 1) Rake speed should be at least 30ft/min to meet the conveying needs of the project 2) rake teeth and bar packs need to be specified as 12 inches wide and match up. Allows for easy replacement and conversion to finer screen in the future, 3) Mixture of 304 and 316 SS in spec. Flume sized for 200 gpm - verify with Huber all the downstream equipment can handle the flow 4) Huber is what compactor? Their WAP models have tub overflows and need to be specified as capable of running continuously. The bottom screen opening of 3mm seems too small to pass the 200 gpm flow at full capacity. Separate workshop was held on testing requirements 10/3/19. 5) Inlet hopper should have level sensing,	1) Per discussions with Huber, normal rake speed is 39 fpm down to 20 fpm. Will revise spec. 2) Contacted Huber and segmented rakes is what they had priced. Spec will be updated to reflect this. 3a) Will review for stray 304 references. 3b) will verify with Huber that one compactor can drain 200 gpm. They've also mention that they recommend less sluice water. 4a) WAP-L6. Although they did propose their twin system, WAP-L12 as an alternate. 4b) Yes, per recent discssions their proposal had left out the compactor overflows. Will be adding them back into project. 4c) will verify the drain openings are spec'd appropriately intent is to get their standard equipment. 4d) acknowledge separate 10/13 workshop. 5) Disagree with level monitoring. However, can provide high level switch to alarm overflow condition. Will look at flow switch in piping also.			Noted	
						mentioned the speed of the screen cleaning. requires specification change				
						4c. Drainage openings ~5mm	Youker, Maestri	11/12/2019		
276	Ed Fernbach		44 42 40-3		Match up Design and Performance with design criteria sheet. See results from	Will coordinate equipment testing with testing requirements discussed.	Vouker	10/16/2019	Noted	
	Ed Fernbach		44 42 41-1		performance guarantee workshop of 10/3/19. Performance requirements of 1.5 tons per hour seem outrageous - we only get	will coordinate equipment testing with testing requirements discussed.	Youker	10/10/2019		
277					approximately 1 ton per day. Slurry concentration of 0.5 - 1.5 %? If we are going to get that high - pumping needs to be revisited. Normally our feed slurry is less than 0.1%. No need to test each unit - see results of 10/3/19 workshop.		Youker	10/16/2019	Noted	
278	Ed Fernbach		44 42 56.03		Did not review the RSP3 pump spec - all design criteria seemed to be missing.	The pump data sheet includes sufficient information for prescribing design criteria for			Noted	
	Ed Fernbach		44 42 56.09		End not review the real opening open an design entertal section to be intesting.	the pump. Yes. Replacing West Primary Drain Pumps 1 and 2 is required as part of the Recycle	Crook	10/15/2019	Hotou	
279	Lu Fembach		44 42 30.09		Didn't realize we had any of these.	Flows scope. The existing pumps are Non-clog centrifugal.	Edwards	10/15/2019	Noted	
280	Ed Fernbach		44 42 56.12		These pumps need to be closely reviewed after the grit piping design is completed. By my calcs, the discharge head is close to 40 ft TDH - not 15 ft as shown on the data sheet. Note that the higher head design is less likely to go quickly to shutoff as plugs	Difference in static is approximately 10 feet, and losses through unit is less than 12". So believe TDH is closer to 15 ft than 40 ft.			Agree With Response. Consider 4-inch or 5-inch grit piping for a better location on the normal	
					develop.	Per internal review comments, plan to revise from constant speed to variable speed.	Youker	10/16/2019	operating curve	
281	Said Ibrahim			G-004-01 (Abbreviations 1)	Provide abbreviations for EXH and FLR	Will do.	Sackinger	10/15/2019	Noted	
282	Said Ibrahim			G-05-01 (HVAC Legends)	HVAC Equipment Identification: Provide identification to the following HVAC devices		, and the second		Noted	
202				C GG GT (TTV/TC Edgerlad)	shown on HVAC drawings: SG, EG and RG. Identify location of duct smoke detectors for hvac air handling units and fans in	Will do.	Sackinger	10/15/2019	Hotou	
				G-051-01 (HVAC Airflow	compliance with California mechanical code, NFPA 820 and AHJ. Duct smoke detectors					
283	Said Ibrahim	Yes		Schematics)	are not shown on HVAC drawing. Duct smoke detectors are required by California Mechanical Code and NFPA 820 for fans with more than 2000 CFM airflow.	Addressable Area Smoke Detectors are allowed by the Mechanical Code, NFPA 820, and usually accepted by the AHJ.	Sackinger	10/15/2019	Noted	
284	Said Ibrahim			G-051-01 (HVAC Airflow	Consider providing reference to drawing G-111-01 for area classifications and required	, , , , , , , , , , , , , , , , , , , ,			Noted	
				Schematics)	ventilation air changes per hour Split DX System (Indoor/Outdoor Units) Schedule: Cooling coil sensible capacity	as air flows.	Sackinger	10/15/2019		
285	Said Ibrahim			G-052-01 (HVAC Schedules)		Will correct schedule. Sensible capacity at ARI is 27,700 Btuh. Actual sensible capacity will be higher because latent loads will be lower than ARI. However only ARI operating conditions were available from the vendor.	Sackinger	10/15/2019	Noted	
					Split DX System (Indoor/Outdoor Units) Schedule: Cooling coil mixed air temperature		Ü			
286	Said Ibrahim			G-052-01 (HVAC Schedules)	scheduled at 80DB/67WB deg F. HAP Program Cooling load calculations report shows mixed air temperature of 76.6DB/60.9WB. Equipment schedules and HAP calculations	Vendor was not able to provide performance at the HAP calculated conditions. Unit			Review at 90%	
				oci ledules)	should be aligned.	capacity will be higher at HAP conditions than at ARI.	Sackinger	10/15/2019		
287	Said Ibrahim			G-052-01 (HVAC Schedules)	Split DX System (Indoor/Outdoor Units) Schedule: What is the cooling coil leaving air temperature? It is expected to be aligned with data shown on HAP program calculations report.	Vendor selection only provided ARI conditions. Actual design day LAT DB and WB likely to be close to what HAP shows.	Sackinger	10/15/2019	Review at 90%	
				G-052-01 (HVAC	Split DX System (Indoor/Outdoor Units) Schedule: Min Outside Air for indoor unit is		3 .			
288	Said Ibrahim			Schedules)	shown zero CFM. HAP program calculations report shows a min outside air of 400 CFM. Equipment schedules and HAP calculations should be aligned.	. The schedule shows no outside air because not ducted to the AC unit. A 90 cfm OSA load is accounted for in the Control Room HAP calculation.	Sackinger	10/15/2019	Noted	
200	Said Ihrahim			G-052-01 (HVAC	Air handling Units Schedule: Consider adding specifications section numbers referenced		Guoidingoi	10/10/2019	Noted	
289	Said Ibrahim			Schedules)	in remark B.	Will reference section 23 09 00.01	Sackinger	10/15/2019	Noted	
290	Said Ibrahim			PM-301-14HW3GB	Consider showing the elevation (from finished floor) of the bottom of low exhaust duct, supply duct, supply and exhaust registers.	Will do.	Sackinger	10/15/2019	Noted	
291	Said Ibrahim			M-112-14BLDG64	Battery Room: Consider showing on drawing the low exhaust duct/register elevation above finished floor.	Will reference detail that calls out elevation.	Sackinger	10/15/2019	Noted	
292	Said Ibrahim			M-112-14BLDG64	Identify type (tags) of supply air devices serving Janitor and Toilet room.	Will do.	Sackinger	10/15/2019	Noted	
293	Said Ibrahim			M-112-14BLDG64	Coordinate the abbreviation for Refrigerant Piping shown in this drawing with	WCII are dated because of	O - chia a - c	40/45/2015	Noted	
294	Said Ibrahim			PM-301-14BLDG64	abbreviation shown on drawing G-004-02 (REFRIG = Refrigerator) Show room names on building section	Will update legend. Will do.	Sackinger Sackinger	10/15/2019		
295	Said Ibrahim			PM-302-14BLDG64	Show room names on building section	Will do.	Sackinger	10/15/2019		
				HVAC Calculations -	HAP cooling load calculations (Carrier HAP Software design reports, pages 76 and 85)					
296	Said Ibrahim			Electrical Room	shows wall U-Values of 0.068 and 0.241 respectively while drawing G-021-01 shows Electrical Room walls with 0.65 U-Value. Confirm coordination of wall U-Values with the	Will revise calc. 0.068 is correct for insulated areas. For Elect room walls, 8" of heavy			Noted	
					Architectural drawings.	· · ·	Sackinger	10/15/2019		

	<mark>San José-Santa Clara</mark> Regional Wastewater F								Quality Review Form	
₹ 57	Regional Wastewater F									
		File Name:		QRF Log Backcheck By Cit		Submittal Date:		10/9/2019		
		Project Name: Document:			works Improvements Project 60% Design Drawings and Specs City Backcheck	Reviewer/s:		City/CIP/O&I 7477/7701	M	
		Document:		New Headworks Project - 0	0% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		2/1/2020		
STRUCTION	IS: Critical issues may have a signific	cant impact on rework,	schedule, cost or risk and	I require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.	Buokeneek Bute		L/ I/LOLO		
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		Critical		Reviewer Reference	T	Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
				<u> </u>	HAP cooling load calculations (Carrier HAP Software design reports, page 83) shows					,,,,,
297	Said Ibrahim			HVAC Calculations -	zero watts for internal overhead lighting, floor plan shows overhead lighting inside the				Noted	
				Electrical Room	Electrical room, so heat rejected from overhead lights is expected to be more than zero.	Will include lights.	Sackinger	10/15/2019		
					HVAC Load Calculations (Carrier HAP Software design reports) data for the Split Heat		- Custumget	10/10/2010		
				HVAC Calculations -	Pump Units (14ACU9804-01 and 14ACU9804-02) serving the Control Room are not					
298	Said Ibrahim			Control Room	consistent with data shown on Split DX System equipment schedules on drawing G-052-	-			Noted	
					01 for Sensible Cooling Capacity, Min Outside Air and Mixed Air Temperature.	Will revise calc. See comment responses above.	Sackinger	10/15/2019		
				HVAC Calculations - Static	Provide external static pressure calculations for all Fans (supply and exhaust) shown on		•			
299	Said Ibrahim			Pressure Calculations	fan schedule on drawing G-052-01.		Sackinger	10/15/2019	Noted	
					Detail No 2334-833 (Duct Roof Mounted Fan): Detail shows a flexible connection at	Will provide for smaller units. Larger units already shown.	Sackinger	10/15/2019		
300	Said Ibrahim			HVAC Detail	exhaust fan inlet which is not recommended. Consider removing the flexible duct				Noted	
		1		Onese Oradian constitu	connection from the detail.	Will remove	Sackinger	10/15/2019		
301	Said Ibrahim			Specs Section 23 31 13 (Metal Ducts and	This section does not include specifications for stainless steel ductwork	Stainless duct is specified in section 23 31 16.16 "Foul Air Ductwork and accessories".			Noted	
				Accessories)	The second second and second s	Reference added.	Sackinger	10/15/2019		
302	Said Ibrahim			Specs Section 23 34 00	Consider specifying fans with aluminum housing instead of steel and galvanized steel.	Those that are available in aluminum are specified as such. All units are specified with		10/1=/0-	Noted	
				(HVAC Fans)		high quality coatings. Will check availability.	Sackinger	10/15/2019		
303	Said Ibrahim				Roof Fan, Louvered Centrifugal, Filtered Supply, Paragraph 2.10.D: Consider specifying	This or soon availability.			Noted	
				(HVAC Fans)	aluminum fan wheel instead of galvanized steel.	GMP Assumption: Assume no scope change.	Sackinger	12/6/2019		
				Specs Section 23 34 00	Paragraph 2.12, Positive Pressurization Unit: Paragraph 2.12.B specify galvanized steel	Will confirm if available from vendor. Such a unit should not be field painted.				
304	Said Ibrahim			(HVAC Fans)	unit cabinet. This unit is 100% outside air and will be subject to corrosion. Consider	Will confirm if available from vertuor. Such a unit should not be field painted.			Noted	
				(2 2 2 7	providing unit cabinet with corrosion resistant coating specified in paragraph 2.13.	GMP Assumption: Assume no scope change.	Sackinger	12/6/2019		
305	Said Ibrahim			Specs Section 23 77 00	Paragraph 2.05.E.2, Fan Wheel: Specify fan wheel construction material (consider	Aluminum wheels are already quoted. Will add to spec. However the internal airstream	Coaldinana	40/45/2040	Noted	
				(Air Handling Units)	specifying Aluminum Fan wheel) Paragraph 2.05.F: Specifications mention cooling media in several paragraphs with no	of these units is not expected to be corrosive.	Sackinger	10/15/2019		
306	Said Ibrahim			Specs Section 23 77 00 (Air Handling Units)	detailed information on the cooling media specifications. Include in this section				Noted	
					specifications of the cooling media?	All cooling media is proprietary so prefer to rely on performance based specification.	Sackinger	10/15/2019		
307	Said Ibrahim			Specs Section 23 09 00 (HVAC Controls Sequence	Paragraph 1.03.C: Provide unit heater enable/disable temperature setpoints.				Noted	
00.	Cara ibrailini			of Operation)	a dag april 100101 1 1011d0 ann 100101 011d010 (diodalo temporataro octponito)	This is locally controlled and adjustable by the occupant with automatic shut-off.	Sackinger	10/15/2019	110.00	
					Paragraph 1.04: Electrical Room Cooling: Sequence of operation does not address VFD					
308	Said Ibrahim			(HVAC Controls Sequence of Operation)	control of the IDEC unit fans air flow to control space temperature.	Will add.	Sackinger	10/15/2019	Noted	
				, ,	Provide control sequence of operation for:	Will dud.	Jackinger	10/13/2019		
309	Said Ibrahim			Specs Section 23 09 00 (HVAC Controls Sequence	Control room Split Heat Pump system.				Noted	
000	Gala isla			of Operation)	Electrical and Control rooms 100% outside air fan-filter units. Cable room ventilation fans (supply and exhaust).	Will provide.	Sackinger	10/15/2019	110100	
0.1.0		·		110	Suggest that the Design/Builder include specifications on instrumentation and	Understood, will add more details on instrumentation and monitoring, to include devices,	ŭ	10/13/2019		
310	Mahmood Khwaja	Yes		NA	monitoring since the earthworks specifications indicate the need for monitoring	and movement tolerance.	Davis	10/14/19	Noted	
311	Mahmood Khwaja	Yes		NA	Instrumentation and Monitoring specification needs to provide threshold and limiting	Understood, see response to comment 310	Davis	10/14/19	Noted	
		+			values and require the design/builder to develop an actionable plan There appears to be very general design criteria on the 60% contract documents that	ondorstood, see response to confinient 310	νανιο	10/14/18		
312	Mahmood Khwaja	Yes		31 41 00	give direction for excavation support requirements. Need more specific requirements to				Noted	
					be established	, ,	Davis	10/14/19		
040	Maharadia				Information contained in the Geotechnical Design Report, such as Sections 3.3, 4.7,	Information from geotechnical design report section 3.3 (lateral earth pressures) is included on G-030-01, and information from 4.7 (Utility Trench Backfill) is included in			Natad	
313	Mahmood Khwaja	Yes		NA	and etc., needs to be articulated in the contract documents	specification 31 23 23 (Trench Backfill), however will confirm/check any additional			Noted	
							Davis	10/15/2019		
						Understood. Shoring specification is intended to provide specific performance criteria to the builder who will be designing the temporary shoring systems for their means and				
314	Mahmood Khwaja	Yes		31 41 00	Shoring system will also need to provide consideration for excavation base stability	methods or work. Engineer will work with the builder to review their shoring system			Noted	
017	aminooa Riiwaja	103		017100	Silvening System will also need to provide consideration for excavation base stability	designs and evaluate as necessary to include global stability and other means that could			110.00	
						impact large scale movements, though not directed at the specific support members used by the builder.	Davis	10/14/19		
215	Mahmaad Khwaia			21 41 00	Charing appoilination about distantify the governing structural codes	We will include the applicable governing codes; however all shoring is expected to be	Davio	10/11/10	Noted	
315	Mahmood Khwaja			31 41 00	Shoring specification should identify the governing structural codes	temporary and not a finished product.	Davis	10/14/19	Noted	
						I presume you are referring to handling of any potential contaminated soils. We will add				
316	Mahmood Khwaja			NA	Suggest to include specifications on contaminated soils	direction on handling of possible contaminated soil in the Excavation specification.			Noted	
					Suggest to include specifications on Erosion and Sedimentation Control	Will coordinate with Engineering Manager on appropriate specification for handling Will coordinate with site civil engineer on additional needs for erosion and sediment	Ryan	10/14/19		
317	Mahmood Khwaja	Yes		NA	Suggest to monde specifications on Erosion and Sequification Control	control in the specifications. Currently there are 3 drawings (CE101/CE102/CE103) that			Noted	
	,					layout erosion control plan as well as 01 57 13 specification.	Chandler, Davis	10/14/19		
					It would be advisable to include current of everyation design exitoric requirement of the	The builder will be designing the temporary excavation support and sloping systems, however we will add schematic locations for likely shoring systems on plans in addition				
318	Mahmood Khwaja			NA	If would be advisable to include support of excavation design criteria requirement on the drawings. Related to comment 4 above.	to existing performance criteria in the Shoring specification and as indicated in comment			Noted	
					<u> </u>	314.	Davis	10/14/19		

13	San José-Santa Clara Regional Wastewater Fa							(Quality Review Form	
	Regional Wastewater Fa	File Name:		ODE Law Backshook Div City	, (2/4/2020)	Output Park		10/0/2010		
		Project Name:		QRF Log Backcheck By City New Headworks and Headw		Submittal Date: Reviewer/s:		10/9/2019 City/CIP/O&I	M	
		Document:		New Headworks Project - 60	0% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
TRUCTIO	ONS: Critical issues may have a significa	ant impact on rework.	schedule, cost or risk and	d require immediate resolution. All com	ments need to be back-checked and approved by the reviewers.	Backcheck Date		2/1/2020		
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	<u> </u>	Critical		Reviewer Reference		Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
319	Hong Nguyen			60 pct. Design	Even though field instrumentation to be provided by Jacobs as stated in 40 95 00, the following instrumentation specifications are recommended to be included in contract document. • 40 91 00.13 – Instrumentation and Control Components, Analytical • 40 91 00.15 - Instrumentation and Control Components, Flow • 40 91 00.17 - Instrumentation and Control Components, Level • 40 91 00.19 - Instrumentation and Control Components, Pressure	They are being provided in the form of data sheets instead of a specification.	Foley	10/15/2019	Noted	
320	Hong Nguyen				Add the following missing sections. • 40 92 05 – Programmable Logic Controllers • 40 92 06 - Network and Computer Components	40 92 06 - Network and Computer Components will be added. The is no PLC in this project.	Foley	10/15/2019	Noted	
321	Hong Nguyen			Instrument List	Match P&ID NOs with Drawing Numbers in the Vol4of5 Drawing Set. For example the P&ID NO for Plant Influent Combustible Gas should be 7701-N-007-09.		Foley	10/15/2019	Noted	
322	Hong Nguyen			Instrument List	Per Basis Design Report and WORD DOC_SJHW-PMT-MET-Electrical-IC-SCADAMinutes-2018-10-23-R0_CDM Smith, Magnetic flowmeter will be Toshiba, and Endress + Hauser (E+H) is not selected, but E+H is listed on Instrument List. Confirm.	Toshiba is the first named manufacturer, but we are required to list a second manufacturer, as Toshiba has not been sole-sourced.	Foley	10/15/2019	Noted	
323	Hong Nguyen			Instrument List	Indicate FET being Flowmeter with Integral Mounting Transmitter, and FIT Flowmeter with Remote Mounting Transmitter.	This is shown in the respective data sheets.	Foley	10/15/2019	Noted	
324	Hong Nguyen				Per Basis Design Report and WORD DOC_SJHW-PMT-MET-Electrical-IC- SCADAMinutes-2018-10-23-R0_CDM Smith, NovelCo is selected for radar level transmitter, Endress + Hauser is not the preferred vendor but is listed. Confirm.	Novelco does not manufacturer radar level transmitters. They only manufacturer ultrasonic level transmitters, which we do not recommend for the application.	Foley	10/15/2019	Noted	
325	Hong Nguyen			Section 40 91 01 - Control Strategies	Recommend to include 1.01 Summary prior to Description section.	This can be added to 90% review set.	Foley	10/15/2019	Noted	
326	Hong Nguyen				Drawing N-028-09, HW3 Grit Conveyance P&ID had been removed from the set. Drawings N-060-09 and N-061-09 are not listed.	Specification reference table will be updated in the 90% review set.	Foley	10/15/2019	Noted	
327	Hong Nguyen			Supplement	This section does not follow the Process Control Strategy Template, which is provided in Misc. #69 Updated Div. 40 Specs – 40 91 00, Control Strategies. Clarify.	We will look into providing the Control Strategies in this format.	Foley	10/15/2019	Noted	
328	Hong Nguyen			Reference	Drawing N-028-09, HW3 Grit Conveyance P&ID had been removed from the set. Drawings N-040-09, N-060-09 and N-061-09 are not listed.	Specification reference table will be updated in the 90% review set.	Foley	10/15/2019	Noted	
329	Hong Nguyen			Field Instrument Data Sheets	Confirm that Area Classification that had been filled in in accordance to Area Classification and Material Selection Table on Drawing G-111-01.	This will be confirmed.	Foley	10/15/2019	Noted	
330	Hong Nguyen				General Comments: Add fiber counts for each cable. Add panel tag names and locations. Label Ethernet switches, add media converter if required. Add Ethernet switches in MCC(s) and Switchgear. Label all devices and cables.		Foley	10/15/2019	Noted	
331	Hong Nguyen			N-061-09	 Is it good practice to have Multi-Mode and Single-Mode fibers in the same Fiber Patch Panel? Add fiber counts for each cable. Add panel tag names and locations. Label Ethernet switch, add media converter if required. Add panel tag names and locations. Label Ethernet switches. Is there fiber patch panel in existing EBOS Control Panel? 	Detailed fiber wiring will be provided in the 90% review set. Multi-mode and single mode cables need to be on separate patch panels, but patch panels can be installed within the same enclosure. Detailed information will be provided in the 90% review set.	Foley	10/15/2019	Noted	
332	Hong Nguyen			P&IDs	General Comment: • To be consistent, separate discrete and analog signal line types for line from VFD to controller, similar to flowmeter (discrete line type for DSC and analog signal line type for flow 4-20 mA).	This can be done for the 90% review set.	Foley	10/15/2019	Noted	
333	Hong Nguyen			N-005-09	 Assign interface No. (XX) on Interface arrow for 42" RS line. Should Interface No.67 coming from N-022-09?. 	This will be added in the 90% review set.	Foley	10/15/2019	Noted	
334	Hong Nguyen			N-006-09	 Correct LAH-9511-01 I/O symbol to a DI symbol. Assign interface No. (XX) on Interface arrow for FA line to N-033-09. 	The switch 14LSH9511-01 is provided with an analog output (8 madc for NORMAL and 16 madc for HIGH). This provides a way to monitor the health of the switch. The interface number will be assigned in the 90% review set.	Foley	10/15/2019	Noted	
335	Hong Nguyen				 Assign interface No. (XX) on Interface arrow for 2" FAD line. Should analyzer AET-9507-00 be identified as combustible? Edit signal description in place of XXX. 	14AET9507-00 will be labeled with an "LEL". Interface connector will be added to the 90% review set.	Foley	10/15/2019	Noted	
336 337	Hong Nguyen Hong Nguyen			N-008-09 N-009-09	Show channel continuation line for Influent Screenings Sluice Trough. Show channel continuation line for Influent Screenings Sluice Trough.	Channel continuation line will be added to 90% review set. Channel continuation line will be added to 90% review set.	Foley Foley	10/15/2019 10/15/2019		
338	Hong Nguyen			N-012-09 thru N-016-09	Check gate Opened/Closed limit switch on actuator, it should be ZS for consistency. Missing labels HOR and SS on VFD. Add abbreviation MMS on Legend sheet. Should 42" RS line on discharge side of Pump 3 and 4 goto sheet N-020-09?.	Corrections will be made for the 90% review set.	Foley	10/15/2019	Noted	
339	Hong Nguyen			N-033-09	 Assign interface No. (XX) on Interface arrow for 2" FAD line and 3" BR/D line. Should analyzer AET-9507-02 be identified as combustible? Edit signal description in place of XXX and correct AI signal description. 		Foley	10/15/2019	Noted	
340	Hong Nguyen			N-038-09	Match ID (XX being 50, and N-0XX-09 being N-001-09) on Interface arrow to EBOS. Swap LI-9721-00 and LAH-9722-00 bubbles' connections to field instruments. LOR switch is missing in VFD panels.		Foley	10/15/2019	Noted	

	San José-Santa Clara Regional Wastewater Fa	atter:					(Quality Review Form	
≋ 5'	Regional Wastewater Fa	File Name:	QRF Log Backcheck By C	ity (2/1/2020)	Submittal Date:		10/9/2019		
		Project Name:		dworks Improvements Project	Reviewer/s:		City/CIP/O&I	М	
		Document:	New Headworks Project - 0	60% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		7477/7701 2/1/2020		
TRUCTIO	NS: Critical issues may have a signification	nt impact on rework,	schedule, cost or risk and require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.	Datacheta Date		2/1/2020		
			Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
		Issue	Drawing, Specification,			Name	Date	& Approved	\$ 1,697,461
341	Hong Nguyen / John Mariano		N-008-09	Grid B2, HP was not reflected on equipment. Check P&IDs	Value will be added to 90% review set.	Foley	10/15/2019	Noted	
342	Hong Nguyen / John Mariano		N-012-09	Grid B4, 120V power is reflected for FIT-9669-01. Will specific instruments be powered by UPS?	Currently all field instrumentation is not UPS backed.	Foley	10/15/2019	Noted	
343	Hong Nguyen / John Mariano		40 90 00 page 27	Paragraph 13b and 16, foreign voltage conductor colors show one as pink and others as yellow, respectively. Clarify	Discrepancy will be corrected in 90% review set.	Foley	10/15/2019	Noted	
344	Chris Ott		44 42 56.03 Vertical Turbine Pumps 1.06.A	Suggest including specific requirements for the vibration analysis firm so there is something quantifiable to compare proposed firm against. Alternatively, list a few acceptable manufacturers so a comparison can be made. The following are potential firms: Mechanical Solutions Inc. (MSI) of Whippany, NJ, DynaTech Engineering Inc. of Auburn, CA or Engineering Dynamics Inc. (EDI) of San Antonio, TX.	Noted. This will be considered and discussed with the pump manufacturer.	Crook	10/15/2019	Noted	
345	Chris Ott		44 42 56.03 Vertical Turbine Pumps	Consider specifying a maximum vibration at the top of the motor, in accordance with HI 9.6.4 appendix C. Consult pump/motor vendors to confirm their ability to meet this				Noted	
0.0	00 0		1.06.F	condition.	Vibration limits have already been specified in 3.03.3.a and 2.01.D.	Crook	10/15/2019		
346	Chris Ott		44 42 56.03 Vertical Turbine Pumps 2.08.E.1	Clarify this requirement about non-overloading motor. The proposed Fairbanks curve in the calc submittal does appear to exceed the rated 600 HP motor size, but outside of typical operating range. I think you want to make it clear that non-overloading is only required in actual operating range.	Spec will be clarified.	Crook	10/15/2019	Noted	
347	Chris Ott		44 42 56.03 Vertical Turbine Pumps	Suggest specifying an acceptance level for both primary and secondary points. Without clarification I believe 1U may only apply to primary.	Clarification will be added	Canal	40/45/2040	Noted	
348	Chris Ott		2.08.E.1 44 42 56.03 Vertical Turbine Pumps 2.08.E	Have the pump manufacturers been consulted about whether these pumps can be tested at full length or just the bowl assembly (due to limitations on test pit depth)? Suggest specifying what is acceptable.	Clarification will be added. They have been consulted, full length has been stipulated in preliminary purchase order language.	Crook	10/15/2019	Noted	
349	Chris Ott		44 42 56.03 Vertical Turbine Pumps 2.08.E	Consider clarifying calibration requirements for instrumentation during factory and field tests. HI standard isn't very clear.	Clarification will be added.	Crook	10/15/2019	Noted	
350	Chris Ott		44 42 56.03 Vertical Turbine Pumps Data Sheet - Performance Requirements	Is there a higher head condition associated with "flushing" the wet well to a lower level to drain the interceptors)? If so, suggest adding that as a specified point.	Tertiary point will be added for flushing condition to ensure the AOR of the pump is not modified and can cover this point.	Crook		Noted	
351	Chris Ott		44 42 56.03 Vertical Turbine Pumps Data Sheet - Performance Requirements	Could these pumps ever "run-out" beyond 52.5 mgd? If so, suggest adding another especified point at higher flow.	An extra point will be added to ensure AOR of the pump is not modified and can cover this point.	Crook		Noted	
352	Chris Ott		44 42 56.03 Vertical Turbine Pumps Data Sheet - Performance Requirements	Minimum efficiency and max NPSH3 should be specified for each point and associated acceptance grade. At a minimum, 1U must apply to the rated point. 1U requires no negative deviation for flow, head, and efficiency. Additional points can be tested for efficiency relative to the performance requirements with a penalty being assessed if efficiency is negative.	Additional data will be added in 90% design associated with these data points.	Crook	10/15/2019	Noted	
353	Chris Ott		44 42 56.03 Vertical Turbine Pumps	Confirm non-reverse ratchet is outside of Class 1 Div. 2 area and/or is rated for that classification.	Motor and ratchet are outside of classified area.	Crook	10/15/2019	Noted	
354	Chris Ott		Calculations - RSPS Pump	Include overlay of system curves on proposed pump curves. Clearly show full envelope				Noted	
355	Chris Ott		Hydraulics Calculations - RSPS Pump Hydraulics	of operating conditions, including flush down. Not clear why inlet elevation to pump of -1.5 ft is being used. The actual pump inlet appears to be closer to -20 ft. Suggest using proposed impeller elevation so NSPHA can be accurately calculated. Looks like it's probably OK but the Fairbanks selection has pretty high NPSH3 at runout.	Calculations for 90% will show requested data. Calculations will be updated in 90%.	Crook	10/15/2019	Noted	
356	Chris Ott		Calculations - RSPS Pump Hydraulics	Related to the above comment, not clear why -1.5 ft appears to be being used for the suction wet well elevation this doesn't appear to match HGL figure on drawing G-090-01. Is there a lower elevation for pump down that needs to be considered?	Lower elevations for flush down have been considered but were not submitted in calc package. Calculations will show each design scenario (flushing, low wetwell flow, high wetwell flow, and runout) for the 90% calculation submittal. No modifications to the pump will be required.	Crook	10/15/2019	Noted	
357	Chris Ott		Control Strategies 4.1	Noted that parallel operation and control of RSPS 2 and 3 is still being developed. This should be coordinated with hydraulic model as I believe there are requirements to modify levels in order to achieve the desired flow split.	Control elements being added to hydraulic modeling tool to evaluate best control approach. This work will be conducted this fall.	Foley/Youker	10/10/2019	Noted	
358	Chris Ott		R005-14HW3	Confirm designer has evaluated flow split when screens are running in parallel with non-symmetrical outlet pipe.		Youker	10/16/2019	Noted	
359	Chris Ott		R-009-14HW3	Confirm designer has evaluated flow split at the full range of flows and head cell/pump combinations.	CFD modeling being conducted this fall of the flow through EBOS, flow through Screen Channel, and flow into Grit Basins. EBOS and Screen Channels have preliminary results. Grit Basin influent will be worked on following. GMP Assumption: Assume no scope change.	Youker/Crook	12/6/2019	Noted	
360	Chris Ott		26 19 00 Medium-Voltage Induction Motors 2.02.C	Verify requirement that motor be sized so any point on the load curve does not exceed 85% of the motor nameplate horsepower rating. The proposed VTSH pump curve has brake horsepower exceeding 600 HP, which would trigger at 700+ HP motor per this requirement. Pump spec says motor only sized based on actual operating range of the pump.	Motor specification will be revised to match intent for the pumps. 500 hp has been confirmed with the pump manufacturer to be sufficient for all possible operating conditions. Upper pressures on the pump curve cannot physically occur in operation and thus should not drive motor size and selection.	Michaud, Crook	10/15/2019	Noted	

	San José-Santa Clara Regional Wastewater	Facility							Quality Review Forr	n
12'	regional wastewater	File Name: Project Name:		QRF Log Backcheck By Cit	ty (2/1/2020) works Improvements Project	Submittal Date: Reviewer/s:		10/9/2019 City/CIP/O&	M	
		Document:			60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
O LIOTIO	NO. Oritical insurance have a simple	ifi and insurant and a	ala di la cast anniali and	landina income distance della constituta di la constituta	nments need to be back-checked and approved by the reviewers.	Backcheck Date		2/1/2020		
ROCTION	vs: Chiicai issues may have a sigr	illicant impact on rework, s	criedule, cost or risk and	require infriediate resolution. All con	птеть пеед to be раск-спескед али арргоved by the reviewers.					_
				Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
		Issue		Drawing, Specification,		The method called out in Section 44 31 00 is correct. Analysis by ASTM	Name	Date	& Approved	\$ 1,697,461
361	Bruce Singleton			Section 44 31 00, 1.02	The BDR lists odor levels but not the method used to determine them, is the method required in Section 44 31 00, 3.04.C.2 consistent.	Standard of Practice E679 with an odor panel presentation rate of 20 liter/min. is the appropriate method for determining odor strength and is consistent with the odor levels called out in the BDR.	Cowden	10/13/19	Noted	
362	Bruce Singleton			Section 44 31 00, 1.05.B	Consider a signed certification from the vessel manufacturer that the materials and construction methods comply with the specs	Manufacturer's Certificate of Compliance is considered to be an appropriate piece of documentation for ensuring the vessel meets the specific requirements called out in the specifications.	Cowden	10/13/19	Noted	
363	Bruce Singleton			Section 44 31 00,1.06.A	Shall the supplier be required to demonstrate experience with the operation of a nonrecirculating system at the design conditions?	Concur. The specification shall be revised to include required experience in non- recirculating systems at design conditions.	Cowden	10/13/19	Noted	
364	Bruce Singleton	Yes		Section 44 31 00, D.2.d	15% is pretty stringent, given that the DP may only be 4 - 5 in.wc. Be sure to discuss a reasonable level that indicates fouling. Section 44 31 00, D2.d. Otherwise this could be a nuisance. Further somewhere within the equipment documentation should be a	The 15% increase in pressure drop limit is based on a baseline level after acclimation as opposed to initial pressure drop before acclimation. Some biomass will form during	Cowdell	10/13/19	Noted	
365	Bruce Singleton			Section 44 31 00. 1.07.C	discussion Advise adding formal process where the operators submit logs sheets monthly to the manufacturer to assure that the warrantee is not violated by lack of adherence to the O&M requirements in the following paragraphs (C.2.a and D.3.a). Otherwise if there is a problem and the logs are non-existent or sloppy there could be a problem and the	the acclimation period. The specification will be clarified accordingly and as suggested. There is no current process by which the Manufacturer would be able to receive monthly log sheets for verifying ongoing maintenance. This does not exist with BTF Suppliers. In lieu of this, it is recommended that daily/weekly/monthly logs be maintained by plant staff and saved in plant data base. If/when warranty issues arise, the comprehensive	Cowden	10/13/19	Noted	
					warrantees voided.	logs would provide sufficient evidence of compliance.	Cowden	10/13/19		
366	Bruce Singleton			Section 44 31 00. 1.07.E.2	For how long?	The integrity of the vessel is to be warranted for 10 years as stipulated in 1.07, E, 1.	Cowden	10/13/19	Noted	
367	Bruce Singleton			Section 44 31 00, 2.03 A	90% odor removal will prevail	Noted	Cowden	10/13/19	Noted	
368	Bruce Singleton			Section 44 31 00 2.03.B	Confirm water rate, seems low. Will a booster pump be required if the rate and pressure is insufficient or does it disqualify the manufacturer?	Multiple manufacturers have been consulted such that specified water rate has been confirmed. Jacobs has been told that a booster pump will not be required. However, if a booster pump is determined to be required, it will not disqualify the manufacturer. Although a booster pump is another piece of equipment that must be maintained by plant operations staff, this type of equipment will exhibit low O&M requirements.	Cowden	10/13/19	Noted	
369	Bruce Singleton			Section 44 31 00,	Interior grating may be secured with 316 SS clips.				Noted	
	Bruce Singleton	Yes			Be careful not to mismatch with airflow and access manway flanges with ANSI	Concur. Specification to be revised to allow for Type 316 SSTL clips. Noted. Nozzle requirements spelled out in 2.04, A, 2, a, 5 cover FRP nozzles at vessel	Cowden	10/14/19	Noted	
371	Bruce Singleton			2.04.A.1.2.a.5 Section 44 31 00, 2.04.A.1.2.a.6	requirements for irrigation and drain connections. The duct will be ASTM 3982. Delete Ashland Hetron FR 992. Improved FR resins are: 1)Derakane 510-B-400 2)Cor VE 8401 3)AOC Vipel K022 4)Reichold's Dion Impact 9303-54	FR 992 is being phased out and replaced by Derakane 510 B-400. Spec to be revised accordingly.	Cowden	10/14/19	Noted	
372	Bruce Singleton			Section 44 31 00, 2.04.A.2.a.8.g	Confirm glass content spec (50 - 80) with manufacturer (Daniel Co)	Glass content confirmed with manufacturers (Daniel, Bioair, ECS).	Cowden	10/14/19	Noted	
373	Bruce Singleton			· ·	Recommend that a 1/4" PE or Teflon tube be inserted within the PVC sample tubes for sampling purposes.	Section 44 31 00, 2.04, A, 2, e, 2 refers to the permanent sample tubing routed tight to the outside wall of the vessel for serving differential pressure transmitters and manual sampling activities. Section 40 27 00, Process Piping—General stipulates the tubing material. ANy 1/4" PE or Teflon tubing would be temporary and provided by the client or consultant when conducting sampling activities.	Cowden	10/14/19	Noted	
374	Bruce Singleton	Yes		Section 44 31 00, 2.04.A.3	Spec lacks detail and acceptable manufacturers	Access ladder and platform write-up is intentionally included as a performance spec type. Listing of acceptable manufacturers is not considered necessary as the Supplier's standard is acceptable (ladder and platform are a typical feature included in most of their systems).	Cowden	10/14/19	Noted	
375	Bruce Singleton			Section 44 31 00, 2.04.B.8	Teflon double lipped seal should be preferred	Type 316 SST double lip shaft seal provides the greatest level of protection. However, Teflon or Viton is considered appropriate for this application. In addition, the performance limit requirement of 12 cubic feet per hour at 6 psi will ensure that a proper shaft seal is provided.	Cowden	10/14/19	Noted	
376	Bruce Singleton			Section 44 31 00, 2.04.E	Advise an FRP tank built to the same structural requirements as the vessel with adequate flanges to hold it down during storms, otherwise it may become a projectile.	Polypropylene or HDPE are considered suitable materials of construction for this application. However, spec to be revised to include requirement for hold down lugs or straps for preventing movement under wind or seismic loads.	Cowden	10/14/19	Noted	
377	Bruce Singleton			Section 44 31 00, 2.05.C	This design will be specific to the manufacturer, however advise using motorized ball valves vs. solenoid valves throughout and to specify the valves somewhere.	Solenoid type open/close valve considered appropriate for this application unless client has project specific standard preventing use of solenoid valves which I don't believe is the case.	Cowden	10/14/19	Noted	
378	Bruce Singleton	Yes		Section 44 31 00	No electrical panel description or reference	No electrical panel is being provided intentionally. This is a client preference. Therefore, fan and recirculation pump will be powered directly out of associated MCC. The spec allows the use of a Jerome meter, which will require manual measurement.	Cowden	10/14/19	Noted	
379	Bruce Singleton			Section 44 31 00, 3.04. C.4.a.3	The instrument will log every 60 seconds why not increase the rate vs every hour? And why use Gastek tubes the instruments will provide a display?	Therefore, once per hour is allowed. The Gastec tubes are necessary to ensure that levels are not too high for use of Jerome unit. The current performance testing methodology is considered industry standard. Allowing	Cowden	10/14/19	Noted	
380	Bruce Singleton			Section 44 31 00, 3.04. C.4 General	In all cases: seems like a description of the equipment required would be reasonable. Recommend duplicates and concurrent inlet and outlet using two sets of equipment.	flexibility for Suppliers is favorable and the reason specific equipment are not mentioned and dictated. The fact that multiple data points (beginning and end of test period) are being collected prevents the need to collect duplicates.	Cowden	10/14/19	Noted	
381	Bruce Singleton			Section 44 31 00, 3.04. C.5.e	Any lab?	There are multiple viable and reputable labs that can be utilized at the Supplier's discretion. This is why a specific lab is not mentioned.	Cowden	10/14/19	Noted	
382	Bruce Singleton			Dwg: N-034-09	PID represents acclimation mode. Recommend distinguishing acclimation from normal operation	Actually, PID reflects system in its entirety. The recirculation pump and associated piping and accessories are part of the permanent installation and therefore are shown in the PID.	Cowden	10/14/19	Noted	

	San José-Santa Clara Regional Wastewater							Quality Review Form	
€ 5	Regional Wastewater								
		File Name:	QRF Log Backcheck By C		Submittal Date:		10/9/2019		
		Project Name: Document:		lworks Improvements Project 60% Design Drawings and Specs City Backcheck	Reviewer/s:		City/CIP/O&I 7477/7701	W	
		Document.	TVew Fleadworks F Toject -	Design Drawings and Specis City Dackeneck	Project No.: Backcheck Date		2/1/2020		
TRUCTI	ONS: Critical issues may have a sign	ificant impact on rework,	schedule, cost or risk and require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.					
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		Critical	Reviewer Reference		Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
383	Bruce Singleton	Yes	Dwg: N-034-09	PDIT 9717-01. A transmitter will not operate with condensate drop outs as they are intended to remain open until the meter is read. A DPI would work in this case.	Actually, when the operators conduct their rounds each morning, they would manually open the drain valves at the bottom and release any condensate. The remainder of the time the valves are closed. Tubing to be sloped to prevent irrigation water from entering the lower tubing. Drawings to be modified.	Cowden / Foley	10/16/19	Noted	
384	Bruce Singleton	Yes	Dwg: N-034-09	What is 14DMPR9711-01 for? Seems like the fans are running on VFDs. Where is the fan, it is included in the BTF scope.	14DMPR9711-01 is necessary for isolating the BTF from the future BTF. Yesfans will be run on VFDs. The fan is located on the previous PID (N-033-09).	Cowden	10/14/19	Noted	
385	Bruce Singleton	Yes	Dwg: N-034-09	Recommend that VLV 9712-01 be a motorized ball valve.	This valve application is well suited to a solenoid valve as will normally be off and will open for a set period of time each hour. In addition, the line size is small. Solenoid valve is normal for this application. Provide direction if motorized valve is required.	Cowden / Foley	10/16/19	Noted	
386	Bruce Singleton	Yes	Dwg: N-034-09	The recirculation system should have a LSL in the sump	As shown on the PID, a LIT is provided for this purpose.	Cowden / Foley		Noted	
387	Bruce Singleton		Dwg: N-034-09	Show space heater in the Water Panel	Concur. Space heater will be added to Water Panel in PID.	Cowden	10/14/19	Noted	
388	Bruce Singleton		Dwg: N-034-09	Seems like the flow meter (FET 9711-01) should be after the pump to provide flow measurement for both acclimation and steady state operation.	This is the package system manufacturer's standard design.	Foley		Noted	
389	Bruce Singleton	Yes	Dwg: N-033-09	Duct tributaries do not show balancing dampers	Balancing dampers shown back on process PIDs. However, it appears there may be at least one balancing damper missing and will be corrected.	Cowden	10/14/19	Noted	
390	Bruce Singleton	Yes	Dwg: N-033-09	No VFDs indicated as indicated in Section 44 31 00, 2.04.B.1.b	VFDs indicated as "AS" (adjustable speed) at fans.	Cowden	10/14/19	Noted	
391	Bruce Singleton	Yes	Dwg: N-033-09	Show fan drains as trapped, remove ball valves.	If there is sufficient height between fan scroll and concrete pad to place a trap seal then it will be provided. However, it is likely that there will be insufficient space which will dictate that a ball valve be provided for periodic manual opening to release any accumulated moisture/condensate. This will be verified post 60%.	Cowden	10/14/19	Disagree that this is a good SOP, condensate in the fan is not preferred. Provide new SOP.	
392	Bruce Singleton	Yes	D-110-14ODO	Seems very complicated, lots of losses and potential fan instability, better check with a fan mfg. Difficult access to the interior portion of the damper flanges. Seems like it could be simplified by dropping into the fans from above and using a common header from the fans to the BTFs.	The current configuration with multiple wyes is believed to provide minimal losses (wyes are better than elbows) while providing the needed functionality. The entire odor control system is proposed to move slightly to the west which will allow a bit more straight duct on the inlet side of the fans. This will improve flow conditions and prevent instability concerns.	Cowden	10/14/19	Noted	
393	Bruce Singleton	Yes	D-110-14ODO	Seems like there should be bollards to protect the fans, electrical panel(s) and Water Panel(s) at a minimum, perhaps the entire OC facility.	Bollards will be added. GMP Assumption: Include 52 additional bollards.	Cowden	12/6/2019	Noted	\$ 26,000
394	Bruce Singleton		D-110-14ODO	Flex connectors not required at the BTF, required before and after the fans	Flex connectors considered favorable at BTF connections for constructability as well as for seismic concerns. In a seismic event the vessel will sway at a different frequency as the connecting ductwork.	Cowden	10/14/19	Noted	
395	Bruce Singleton	Yes	D-110-14ODO	Dwg. N-033-09, does not seem to reflect this layout, which dampers are automated, how do the fans cycle? Manually? Do you need the isolation dampers with backdraft dampers? The damper shown at the stack by pass will either have to be automated or relocated so that a chain wheel will work.	There are no automated dampers (no motor operated dampers). Fans can be cycled automatically based on failure condition or timer to ensure equal time of operation(duty and standby modes). This can be accomplished via backdraft dampers at fans. The damper at the stack bypass can be accessed from the platform via the ladder.	Cowden		The operation of the stack bypass damper seem like a safety issue. Fan rotation (in the wrong direction) by a stand-by fan that is not sequestered should be considered	
396	Bruce Singleton		D-110-140D0	Check labeling	Labeling checked.	Cowden	10/14/19	Noted	
397	Bruce Singleton	+	D-110-14ODO	What is 4091-151?	Standard detail for stanchion mounted panel. Dampers are all used as either balancing or isolation. There is functionally no difference	Cowden	10/14/19	Noted Isolation dampers are generally	
398	Bruce Singleton		D-110-14ODO	Distinguish fans that are balancing or isolation	and specification for FRP damper is suitable for either.	Cowden	10/14/19	bubble tight	
399	Bruce Singleton	Yes	D-301-14ODO	There should be a scaffold at the level of each clear nozzle access manway. Access to the top has little value. If the top access detail is retained be sure to include a skid free surface and 316SS OSHA tie-offs on the lid.	Access is only required at the top of the vessel to provide ability to measure stack velocity for source testing as required. Permanent access to clear nozzle manway not required.	Cowden	10/14/19	Noted	
400	Bruce Singleton	Yes	D-301-14ODO	Ladder should be enclosed	Caged ladder no longer legal per OSHA.	Cowden		Didn't know thatso you will have to have a harness, seems like a bad idea - Discuss during 60%-90% design	
401	Bruce Singleton	+ +	EP-110-14ODO	Please reference sheet where the electrical legend is located	Electrical legend is in the general sheets with all discipline legends. No change.	Michaud	10/14/18	Noted	
402	Bruce Singleton	Yes	EP-110-14ODO	No indication of power for damper actuators	Will coordinate with odor control specialist.	Cowden, Michaud		Noted	
403	Bruce Singleton		G-004-01	Add: Isolation Damper: ISDAMP	Dampers are all DMPR. There is no distinction between isolation and balancing.	Cowden		Isolation dampers are bubble tight, at least they should be - needs further review	
404	Bruce Singleton		S-005-01	pH is the negative Log of the hydrogen ion concentration. Probably not applicable to list it.	ok, will remove it	Williamson		Noted	
405	Bruce Singleton	Yes	Renderings	General, the ladder on the BTF vessel should be caged and scaffolding at each irrigation level to facilitate visual inspection of the irrigation nozzles and removal if necessary.	As discussed with the City on 10/22 OSHA requires tie-offs regardless if there is a cage or not, but per City direction a cage will be added. Scaffolding at each level is not included in the scope of this project.	Maestri	10/31/2019	Noted	
406	Bruce Singleton		Renderings	It is unclear where the carbon polishing would be located	This is not something that would show up on the renderings.	Maestri	10/31/2019		
407	Bruce Singleton		Sec: 23 31 16 16.2, 1.04.A.1	Add isolation dampers	There is no distinction between isolation and balancing dampers. They are intentionally treated identically to provide maximum flexibility. Specification requirements are	Cowdon		Isolation dampers are bubble tight, at least they should be - needs further review	
408	Bruce Singleton		Sec: 23 31 16 16.2, 2.01.A.1.a	Delete Ashland Hetron FR 992. Improved FR resins are: 1)Derakane 510-B-400 2)Cor VE 8401 3)AOC Vipel K022 4)Reichold's Dion Impact 9303-54	Concur. Ashland Hetron FR 992 is being phased out. Specification will be revised accordingly.	Cowden		Noted	
409	Bruce Singleton	Yes	Sec: 23 31 16 16.2, 2.01.A.1.e	Not achievable with the resins specified	Intumescent coating specified is able to achieve the smoke rating called out for interior ducting.	Cowden	10/14/19	Noted	
410	Bruce Singleton		Sec: 23 31 16 16.2, 2.01.A.1.f	Delete	Concur. This paragraph will be deleted as suggested. No need to add antimony trioxide for fire retardation. These resins (lets take Cor VE 8401 for instance) are brominated from the resin supplier's plant. The levels of bromine are high enough so that they are classified as class 1 with out antimony.	Cowden	10/14/19	Noted	
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#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response		Resolution	Back-Checked	Cost
	1.01.01.01	Issue		Drawing, Specification,		10001111011/11004		Name Date	& Approved	\$ 1,697,461
411	Bruce Singleton	Yes		Sec: 23 31 16 16.2, 2.01.B	Increase duct diameters for filament wound to be: Thickness (in) Less than 24 .225 24 to 30 .275 36 to 42 .375	Duct diameters called out are nominal. Inside diameter does not change based on wall			They seemed light, needs further review at 90%.	
					48 to 60 525 66 to 72 .625	thickness due to mandrel filament wound procedure. Thicknesses specified are considered appropriate for meeting minimum structural requirements.	Cowden	10/14/19		
412	Bruce Singleton			Sec: 23 31 16 16.2, 2.01.C.6	Delete NBS PS 15-69, use ASTM 3982	According to FRP manufacturers, NBS PS 15-69 is still relevant with regards to flange dimensions. While retired, the NBS PS 15-69 is still widely used as a standard when referencing FRP duct, fittings and flange construction.	Cowden	10/14/19	Noted	
413	Bruce Singleton			Sec: 23 31 16 16.2, 2.01.C.12.b	Delete 1/2" use L/360	Specification shall be revised to limit deflection to 1/2" or L/360, whichever more stringent.	Cowden	10/14/19	Noted	
414	Bruce Singleton	Yes		Sec: 23 31 16 16.2, 2.02.B	I don't think this is correct, the stacks should be FRP	Concur. This paragraph will be modified accordingly.	Cowden	10/14/19	Noted	
415	Bruce Singleton			Sec: 23 31 16 16.2, 2.05.D	Replace NBS PS 15-69 with Astm 3982	NBS PS 15-69 bolt patterns are still relevant according to FRP manufacturers. While retired, the NBS PS 15-69 is still widely used as a standard when referencing FRP duct, fittings and flange construction.	Cowden	10/14/19	Noted	
416	Bruce Singleton	Yes		Sec: 23 31 16 16.2, 2.06.D.3	Delete, Shafts shall be sold 316SS,	Concur. Damper shafts will be changed to solid type 316SST.	Cowden	10/14/19	Noted	
417	Bruce Singleton	Yes		Sec: 23 31 16 16.2, 2.06.A.6	Delete, Isolation Dampers shall be bubble tight at 30 in.wc	The maximum leakage rate of 5.25 cubic feet per minute per square foot of damper area, at a differential pressure of 30 inches WC is considered acceptable and also allows for more competition (e.g.; Daniel and Swartwout).	Cowden	10/14/19	Noted	
418	Carlos Ortiz		G-004-01	Abbreviations	For future submittal, confirm all abbreviations are included in this table (ex, LLH=Long Leg Horizontal, EA=Each)	Agree, will do.	Williamson	10/15/2019	Noted	
419	Carlos Ortiz		G-010-01	Civil Legend	Concrete Pavement noted as prestressed. Consider revising to "Concrete Pavement" unless all concrete pavement is prestressed.	Agree, will do.	Chandler	10/14/2019	Noted	
420	Carlos Ortiz		G-020-01		Suggest coordinating and including structural material symbols and structural legend. Current set does not contain structural legend.	Structural legend is not common for our delivery. Will review and coordinate with other discipline general sheets.	Scoggins	10/15/2019	Noted	
421	Carlos Ortiz		G-010-01	Arch Legend	Spot elevation marker is very similar to circular opening symbol on sheets. Suggest revising elevation marker to either be rotated and/or fill in two opposing half's of the circle to provide clarity for drawings.	The circle graphic should not appear without the elevation call-out. it is also very small compared to the circular opening callout. Because this graphic has never, to my knowledge, caused confusion we will not be changing the legend.	Pieterick	10/15/2019	Noted	
422	Carlos Ortiz		G-030-01	Design Criteria	Design Criteria Note 7: Indicate year/version of ASCE 7 used for loads. Presumably wind loads are per ASCE 7-10.	ASCE 7-10 is version referenced by controlling 2016 CBC for project.	Scoggins	10/15/2019	Noted	
423	Carlos Ortiz		G-030-01	Design Criteria	Design Criteria Note 12.E: Confirm/indicate that the dynamic lateral fluid pressure is a "triangular load" and/or if it is impacted by the water table.	Will coordinate with geotechnical and clarify	Scoggins	10/15/2019	Noted	
424	Carlos Ortiz		G-030-01	General Information	General Information Note 1: Abbreviations noted are listed as being per ASME Y14.38. Confirm this is appropriate or if referencing a Civil/Structural document is appropriate.	This is the intended reference	Scoggins	10/15/2019	Noted	
425	Carlos Ortiz		G-030-01	Inspection and Testing	Inspection and Testing Note 4: Consider revising IBC to CBC.	Will change	Scoggins	10/15/2019	Noted	
426	Carlos Ortiz		G-030-01		being achieved. Also consider indicating that backfilling shall not occur prior to water tightness testing.	h Walls are designed based on 28 day strength which is often achieved within two weeks. No change. No backfill prior to tightness testing is covered elsewhere within specification section 03 30 00.	Scoggins	10/15/2019	Noted	
427	Carlos Ortiz		General	General Structural	There is an inconsistent application of calling out when/where standard details apply. Suggest either indicating on a sheet once and noting "typ" or calling out more			40/45/0040	Noted	
428	Carlos Ortiz		G-030-01	Concrete Reinforcing	frequently/consistently Concrete Reinforcing Note 13: Table is based on 4000psi concrete, however most structural concrete is 4500psi per Cast in Place Concrete Note 1 on G-031-01. Suggest revising table or providing the conversion for splices and development lengths that can be adjusted for the increased concrete strength.		Scoggins Scoggins	10/15/2019	Noted	
429	Carlos Ortiz		G-031-01	CIP Concrete	Cast In Place Concrete Note 5: Confirm that the roughened surface applies to any partial contraction joints, where applicable. Indicate level of roughening required or reference appropriate specification section.	These situations will be addressed on specific details where required	Scoggins	10/15/2019	Noted	
430	Carlos Ortiz		G-031-01	Str Stl	Structural Steel and Metal Fabrications Note 1: Consider indicating minimum grade of A36 as Gr 36.	ASTM A36 is consistent with AISC specification	Scoggins	10/15/2019	Noted	
431	Carlos Ortiz		G-031-01	Str Stl	Structural Steel and Metal Fabrications Note 2: Confirm that B209 and B308 are the appropriate standards for Aluminum	These are the intended standards	Scoggins	10/15/2019	Noted	
432	Carlos Ortiz		G-031-01	Sti Decking	Steel Decking Note 2: This is repeated under "Welding" notes. Suggest deleting note from Steel Decking Notes.	Will consider	Scoggins	10/15/2019	Noted	
433	Carlos Ortiz		G-031-01	Sti Decking	Steel Decking Note 6: Welding spacing is very tight. Consider larger welds at bigger spacing.	Will review. This is only for parallel support condition for out-of-plane wall anchorage where shown.	Scoggins	10/15/2019	Noted	
434	Carlos Ortiz		G-031-01	Metal Building Systems	Metal Building Systems Note 3: Suggest including ability to add supplemental reinforcement such as hairpin ties, where necessary.	This is based on the anchorage design and is always a method available. Will review metal building specification to clarify	Scoggins	10/15/2019	Noted	
435	Carlos Ortiz		G-031-01	Deferred Submittals	Deferred Submittal Requirements do not indicate submitting calculations and/or signed/sealed drawings. Suggest including these requirements (or referencing the appropriate specification).	Requirements are included in specifications. Will review requirements and update in specifications as required	Scoggins	10/15/2019	Noted	
436	Carlos Ortiz		G-032-01	General Notes	Statement of Special Inspection Plan Note 5: Table 5 is referenced, but not used/shown Suggest indicating on one of the special inspection sheets that Table 5 is not used/does not apply (in addition to the note indicating that Wind Resistance Special Inspection does not apply)		Scoggins	10/15/2019	Noted	
437	Carlos Ortiz		G-032-01	Seismic	Special Inspection for Seismic Resistance Note 2 is repeated under General Note 4. Suggest deleting repetition.	Will consider	Scoggins	10/15/2019	Noted	

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#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
438	Carlos Ortiz		G-032-01	Special Inspection	Special Inspection Notes 1 and 2 indicate that "Special Inspection will" suggest revising to "Special Inspection shall"	This is intended to not be directive language as the SI will be provided by Jacobs engineering	Scoggins	10/15/2019	Noted	
439	Carlos Ortiz		G-032-01	Special Inspection	Special Inspection Note 4 indicates reports "will be submitted to Jacobs". Suggest revising to "shall be submitted to the Engineer"? Callout similar in other locations on this	This is intended to not be directive language as the SI will be provided by Jacobs			Noted	
440	Carlos Ortiz		G-032-01	Table	sheet. Structural Observation Table: Items 7 and 9 are bracketed. Select appropriate "stage"	engineering	Scoggins	10/15/2019	Noted	
	04.100 01.12		0 002 0	1 42.0	for 90% set. Similar for Special Inspection tables on following pages Table indicates inspections for architectural and building mechanical. Suggest revising	Will do	Scoggins	10/15/2019		
441	Carlos Ortiz		G-033-01	Table 1	sheet names to exclude "Structural" or moving inspections of other disciplines to a different sheet.	Will consider	Scoggins	10/15/2019	Noted	
442	Carlos Ortiz		G-033-01	Table 2	Multiple locations: Consider including IAPMO evaluation reports as well as ICC-ES reports.	Will consider	Scoggins	10/15/2019	Noted	
443	Carlos Ortiz		G-035-01	Table 4 continued	"Structural Steel Inspection of Seismic Force-Resisting" at top of table is cut off. Revise table.	Will do	Scoggins	10/15/2019	Noted	
444	Carlos Ortiz		R-002-05	Electrical Building	Note that scuppers and roof water shedding not depicted. Confirm approach is applicable.	The scuppers have been modeled. When the rendering is updated they should show in the updated rendering.	Pieterick	10/15/2019	Noted	
445	Carlos Ortiz		R-003-05	Odor Control	Equipment pad for future odor control tank is depicted in renderings (multiple sheets) but are not shown on the plan view drawings (sheet S-110-14ODO). Revise drawings (renderings or drawings) to be coordinate per design intent.	Will do	Scoggins	10/15/2019	Noted	
446	Carlos Ortiz		R-004-05	Piping, general	The structures from Raw Sewage Pumping downstream to the grit removal are separated by premolded joint filler (Sheet S-120-14HW3PS) presumably to isolate each structure's behavior from the other and allow for possible differential settlements. It is unclear if the piping between the structures is designed to accommodate this movement, or any differential movement associated with a seismic event. Confirm design has incorporated this flexibility or adjust piping design to allow for and account for potential movement.	Each pump includes an elastomer bellows connector on its discharge which allows angular, lateral and longitudinal movement. Drawing D-301-14HW3PS shows this. The saddle support shown to the left of the elastomer bellows will be moved to the slab at grade to the left. Further evaluation of differential settlement and seismic movement will be conducted in the next design phase.		10/15/2019	Noted	
447	Carlos Ortiz		R-007	Piping, general	There are several instances where the piping and/or conduits appear to be in conflict with each other. Are these conflicts being resolved?	Conflicts between new duct banks and/or new piping are being resolved through additional investigation and modeling of existing duct banks and yard piping. Apparent conflicts between existing yard piping and existing duct banks may not be resolved in model.	Chandler		Noted	
448	Carlos Ortiz		R-003-014HW3	Joint	The piping crossing the joint between the Grit Removal area and the Grit Washing area do not appear to account for any flexibility required to accommodate movement at the joint. Suggest providing piping flexibility across the joint.	Will evaluate need for piping flexibility based on the pipe material and input from the structural lead.	Edwards	10/15/2019	Noted	
449	Carlos Ortiz		R-005-14HW3	Isolation Gates	Single Isolation Gates are shown downstream of the screening units. Is there a need to also have space for a secondary stop-log or slide gate to have double blockout for maintenance within the channels?	Intent was that if downstream gates required maintenance, flow would be diverted to HW2 by closing the upstream screen isolation gates. Additional stop plate slots are being added to provide isolation for each gate. GMP Assumption: Included in Item No. 230.	Youker	12/6/2019	Noted	
450	Carlos Ortiz		S-110-1E	Not submitted	Sheet S-110-1E was not submitted. Sheet S-110-11D was submit twice and shown under Area 11E.	There is no drawing S-110-11E in the set. This is correct. Sheet S-110-11D should not have been in the set twice and this will be corrected.	Williamson	10/15/2019	Noted	
451	Carlos Ortiz		X-110-1P	Details	Details 1 and 2 are referenced from D-120-1P and X-110-1P. The refences are clearly shown on D-120-1P, however the only reference for the details on X-110-1P is in the sheet notes. Suggest showing locations where Details apply on X-110-1P or removing X 110-1P reference from the details.	Will review for clarity	Scoggins	10/15/2019	Noted	
452	Carlos Ortiz		S-110-2D	Section B	The vertical reinforcement in the pipe plug is shown as hooked right above the intermediate layer or reinforcement at the top of the pipe. The hooks as shown does not appear to have sufficient development length, ldh to adequately develop any tension forces for the self weight of the plug. Extend hooks to the top of the layer reinforcement to better develop the reinforcement.	Will do	Scoggins	10/15/2019	Noted	
453	Carlos Ortiz		S-110-1A	Section A	Provide reinforcement for the next submittal.	Will do	Scoggins	10/15/2019		
454	Carlos Ortiz		X-110-1B S-110-11D	Plan Plans	Suggest indicated which specification Section coating system 19A can be found in. Suggest providing guidance for how to terminate and cut the walls at a 45 degree angle, as the sharp corner may be prone to breakoff. Doweling in Section B appears to have limited available edge distance on the bottom side, confirm anchorage and edge	Will do	Scoggins	10/15/2019	Noted Noted	
450	Coulos Ostis		C 440 40DECVDC4	Section A	distance are appropriate. Confirm drilling at an angle in the walls is practical.	Will review details.	Scoggins	10/15/2019	Neted	
456	Carlos Ortiz		S-110-12RECYPS1	Section A	For openings at bottom of intermediate wall, callout top of opening/bottom of concrete. The reinforcement in the top slab is not hooked, and does not appear to be adequately	Will add	Scoggins	10/15/2019	Noted	
457	Carlos Ortiz		S-110-12RECYPS1	Section A, typ at various structures and sections	developed at the ends. Suggest hooking bars or using lap splice with the wall reinforcement to maintain structural integrity (per ACI 350-06 Section 7.13) and allowing for flexural loads and load reversal under seismic conditions. This comment applies to various structures and locations	Will review. Top slab not dependent on fixity and joint is not water-holding. Standard hooked dowels from wall may provide required integrity.	Scoggins	10/15/2019	Noted	
458	Carlos Ortiz		S-110-14A	Section A	The 4" embedment for the post installed dowels attaching the new footing into the existing slab below appears to be fairly shallow. Suggest verifying that anchorage depth and increase as necessary.	To be further reviewed for final design.	Scoggins	10/15/2019	Noted	
459	Carlos Ortiz		S-110-14A	Section A	Indicate approximate elevations or call out approximate wall height to assist with any subcontractor bidding.	Will provide elevation	Scoggins	10/15/2019	Noted	
460	Carlos Ortiz		General	General	Indicate/provide standard detail for various pipe supports.	Pipe support design and detailing will be progressed as design proceeds.	Scoggins	10/15/2019	Noted	
461	Carlos Ortiz		S-111-14B	Section A	Suggest indicating location of reinforcement and waterstop within the 8" wall section. Expansion waterstops generally require a minimum concrete cover/distance to edge of concrete to prevent concrete blowout due to waterstop expansion.	Referenced standard detail 0315-003 provides dimension	Scoggins	10/15/2019	Noted	
		1	1	1	position of providing deficitor biomout due to materiatop expansion.		188	. 5, 10, 2013		i .

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#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
462	Carlos Ortiz	Issue	S-112-14B	Drawing, Specification, Plan	Suggest placing grout to direct flow to the two drain holes (not uniform as currently	Will verify with process mechanical. It is understood that flow is rare and holes are just	Name	Date	& Approved Noted	\$ 1,697,461
402	Carios Offiz		3-112-146	Flatt	shown)	to allow structure to drain.	Scoggins	10/15/2019	Noteu	
463	Carlos Ortiz		S-101-143IS	Plan	Some of the wall reinforcement is shown at the wall along Line D. Some of this reinforcement conflicts with box outs for the gates and stop logs. Suggest Revising reinforcement to accurately depict layout or remove it from sheet. If shown, indicate where balance of info for reinforcement can be found.	Will revise	Scoggins	10/15/2019	Noted	
464	Carlos Ortiz		S-111-14HW3IS	Note	Sheet note 1 indicates need to coordinate with manufacturer. Suggest indicating which manufacturer (presumably screen manufacturer).	Will add	Scoggins	10/15/2019	Noted	
465	Carlos Ortiz		S-301-14HW3IS	Section A	Reinforcement callouts at Line D reference Horizontal reinforcement twice. Delete one instance or remove "EF" from callouts.	Will revise	Scoggins	10/15/2019	Noted	
466	Carlos Ortiz		S-302-14HW3IS	Section C	For the top slab between channels, there appears to be excessive types of bars and dowels: The vertical wall bars with standard hooks, the wall to slab dowels with a development length into the wall and splice length into the slab, and a horizontal straight bar in the slab. Suggest revising to one of the following options: a)Extend the hook length of the vertical bar to a lap splice length, and remove the other hooked bar; b) Terminate the vertical bar below the construction join, use the hooked splice bar to splice with the horizontal straight reinforcement (similar to the corner joint reinforcement detail); c)Have the two hooked splicing bars on either side splice with each other and eliminate the horizontal straight bar.		Scoggins	10/15/2019	Noted	
467	Carlos Ortiz		S-303-14HW3IS	Section F	It is unclear if the waterstop between the ramped area and the channel requires a waterstop, as they are hydraulically connected by the embedded racks called out on the Lower Plan, S-102-14HW3IS. Suggest delete the waterstop in there intermediate wall.	Agree. Will revise	Scoggins	10/15/2019	Noted	
468	Carlos Ortiz		S-501-14HW3IS	Detail 1	Suggest adding a breakline to the guiderail, as it currently implies it is only a few feet long (detail is called out to scale)	Will review detail for clarity	Scoggins	10/15/2019	Noted	
469	Carlos Ortiz		S-501-14HW3IS	Embedded Rack	Suggest indicate that all construction for the embedded rack is stainless steel (only certain elements are called out as such)	Will do	Scoggins	10/15/2019	Noted	
470	Carlos Ortiz		S-501-14HW3IS	Embedded Rack	Section from Detail 2: Suggest providing a hook for the embedded anchor strap. Call ou anchor strap dimensions MOVE COMMENT TO STANDARD DETAIL 0553-001	t Will add reference. Hook is not necessary with limited tension.	Scoggins		Noted	
471	Carlos Ortiz		S-100-14HW3PS	Plan	Confirm if the toe is sufficiently large to engage soil to resist buoyancy.	Will confirm	Scoggins	10/15/2019	Noted	
472	Carlos Ortiz		S-110-14HW3PS	Plan	Reinforcement shown through gate slots. Suggest revising to show reinforcement per standard detail.	Will revise	Scoggins	10/15/2019	Noted	
473	Carlos Ortiz		S-301-14HW3PS	Section A	Aluminum railing and grating is placed over steel beams, coordinate isolation coating.	Dissimilar metal protection requirements are included in the specifications.	Scoggins	10/15/2019	Noted	
474	Carlos Ortiz		S-301-14HW3PS	Section A	Elevated slab between lines 2 and 3 at Elevation 8.00: Callout reinforcement size and spacing, consider hooking top bars to allow for proper development of forces.	Will update	Scoggins	10/15/2019	Noted	
475	Carlos Ortiz		S-301-14HW3PS	Section A	No Section shown reinforcement for fin walls protruding from wall at line 2, below el - 10.00. Provide reinforcement in future submittal.	Noted. Additional sections will be provided.	Scoggins	10/15/2019	Noted	
476	Carlos Ortiz		S-301-14HW3PS	Section A	Horizontal reinforcement below EI -12.50 is already called out on the plan view. Suggest deleting from location or reference the plan view	Will update	Scoggins		Noted	
477	Carlos Ortiz		S-301-14HW3PS	Section A	Suggest providing hooks at the bottom of the vertical bars in the walls above openings (between lines 3 and 4	Will consider. Possibly good place for a U-bar	Scoggins		Noted	
478	Carlos Ortiz		S-302-14HW3PS	Section B	Slab thickness appears thin for anchoring concrete pipe saddles. Confirm depth is ladequate.	Will review	Scoggins	10/15/2019	Noted	
479	Carlos Ortiz		S-302-14HW3PS	Section C	Wall along Line and divider walls: Are both joints at elevation -15.00 and el -10.00 Necessary? It appears that there might be an opportunity to provide a stepped joint and limit the number of pours in those walls (would require vertical joints at line 3).		Scoggins		Noted	
480	Carlos Ortiz		S-501-14HW3PS	Detail 1	It is unclear if diagonal reinforcement is required at corners of openings. If so, suggest showing it or referencing the standard detail.	Not anticipated due to congestion. Will consider.	Scoggins	10/15/2019	Noted	
481	Carlos Ortiz		CP-110-14HW3PS	Notes	Confirm coating is not required below EI -9.00.	Will confirm for 90%.	Wenger	10/11/2019	Noted	
482	Carlos Ortiz		S-101-14HW3GB	Plan	There appear to be penetrations in the wall at Line F, however there are no callouts on this sheet or S-102-14HW3GB, and it is not shown in Section A/S-301-14HW3GB. Callout and locate the penetrations as necessary, or reference mechanical sheet if more appropriate.	Opening reinforcing detail is clear that it applies to all penetrations. Process drawings show piping.	Scoggins	10/15/2019	Noted	
483	Carlos Ortiz		S-101-14HW3GB	Plan	Suggest calling out the aluminum posts (near Line D) on this sheet and on S-102-14HW3GB.	Will clarify	Scoggins		Noted	
484	Carlos Ortiz		S-101-14HW3GB	Plan	Suggest calling out the wall piers along Line E on this sheet and on S-102-14HW3GB to differentiate them from the equipment pads.	,	Scoggins	10/15/2019	Noted	
485	Carlos Ortiz		S-112-14HW3GB	Plan	This plan view and the plan view on S-113-14HW3GB indicate that there is a 4" gap between the grit basin structure and the grit dumpster area. No exceptions taken to the use of a gap between the two, however the piping as shown on process and in the rendering do not appear to provide any flexibility to account for movement that may occur between the two structures.	Will work with Process for piping flexibility considerations	Scoggins		Noted	
486	Carlos Ortiz		S-121-14HW3GB	Plan	Between gridlines E and F, the sidewalks doors are shown located over the dividing wall below. Confirm that this is the preferred placement.		Scoggins	10/15/2019	Noted	
487	Carlos Ortiz		S-123-14HW3GB	Plan	Beams BM1 and BM2 are intersecting and have the same depth. Suggest indicating if either beam's reinforcement is required to be on the outer layer. Presumably BM1 should be as it has the larger span and likely has a higher flexural load.	Will clarify	Scoggins	10/15/2019	Noted	
488	Carlos Ortiz		S-301-14HW3GB	Section A	Suggest providing rebar continuity at wall to slab joints, as required by ACI 350, Section 7.13. Recommend providing hooks for bottom slab bars in locations where load reversal from seismic effects may result in reversed flexural loading (similar at other locations.		Scoggins	10/15/2019	Noted	

	San José-Santa Clara Regional Wastewater	Second or							Quality Review Form	
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#	Reviewer	Critical Issue	Page Index	Reference Drawing, Specification,	Comments / Questions	Resolution / Response	Resolution Name	Date	Back-Checked & Approved	Cost \$ 1,697,461
489	Carlos Ortiz	10000	S-301-14HW3GB	Section A	Confirm if doweling in grout for concrete cone is necessary. Confirm if providing surface					1,001,101
409	Carios Offiz		3-301-14HW3GB	Section A	reinforcement for grout is necessary to limit surface cracking.	Will work with process lead on final configuration and provide necessary confinement	Scoggins	10/15/2019	Noted	
490	Carlos Ortiz		S-302-14HW3GB	Section B	Reinforcement for the sloped slab near line G at Elevation 14.00 (area shown as beyond) does not appear to be called out anywhere. Show reinforcement this area.	Details will be added	Scoggins	10/15/2019	Noted	
101	01 0-1		0.000 441 114/00 D	Ocation D	Note that space below EL 12.5 in this section is not accessible and formwork will need	Details will be added	ocoggins	10/13/2013		
491	Carlos Ortiz		S-303-14HW3GB	Section D	to be abandoned in place.	Will continue to work with design builder and provide necessary clarification	Scoggins	10/15/2019	Noted	
492	Carlos Ortiz		S-303-14HW3GB	Section E	Suggest calling out the floor drain and monorail beam.	Will add	Scoggins	10/15/2019	Noted	
493	Carlos Ortiz		S-304-14HW3GB	Section F	Suggest indicating seep ring is all around.	Will update graphics. Seep ring is specified in process mechanical piping specifications.	Scoggins	10/15/2019	Noted	
494	Carlos Ortiz		S-304-14HW3GB	Section F	Suggest doweling grout into concrete.	Will review. Dowels may not be necessary where not used for structural integrity.	Scoggins	10/15/2019	Noted	
405	0.1.0"		0.005.441.000	0 (1 11	Reinforcement for wall piers at Line E, from El 0 to El 8.75 is not called out in the					
495	Carlos Ortiz		S-305-14HW3GB	Section H	drawing set (wall reinforcement only shown above). Suggest showing reinforcement here. Waterstop not required at wall pier.	Will add details	Scoggins	10/15/2019	Noted	
496	Carlos Ortiz		S-305-14HW3GB	Section H	Indicate reinforcement at sump is typ of three sides	Will provide additional info	Scoggins	10/15/2019		
497	Carlos Ortiz		S-401-14HW3GB	Enlarged Plan 1	Indicate reinforcement is shown in the appropriate sections	Will provide additional details	Scoggins	10/15/2019		
498	Carlos Ortiz		S-401-14HW3GB	Enlarger Plan 2	Call out both inner and out reinforcement ties.	Will clarify	Scoggins	10/15/2019		
499	Carlos Ortiz		S-501-14HW3GB	Beam Details	Skin Reinforcement is not required for beams shallower than d=36" Confirm if side bars are not necessary (typ all three beams)	Will review	Scoggins	10/15/2019	Noted	
500	Carlos Ortiz		CP-110-14HW3GB	General Notes	Note B, why not extend coating below el 14.00?	el 14.00 is the expected low liquid level mark. Will confirm for 90%.	Wenger	10/11/2019	Noted	
501	Carlos Ortiz	T	S-110-14RECYPS1	Sheet	Area 14 Recycled Pump Station structural drawing not submitted, Area 12 submitted	Will amond	Coordina	10/15/2012	Noted	
502	Carlos Ortiz	+	S-110-14ODC	Plan	twice. Area 14 not reviewed. Confirm 2'-0" slab thickness is sufficient for Biotrickling Filter anchorage	Will amend Will review	Scoggins Scoggins	10/15/2019 10/15/2019		
503	Carlos Ortiz		S-110-14ODC	Plan	Confirm that is it acceptable to have equipment below elevation 13.00 (flood plane	Per discussion with City PM on 10/21 and 10/22 this equipment is not critical to plant				
505	Carlos Ortiz		3-110-14000	Fiall	requirement)	operations and is not intended to be protected from flood.	Scoggins	10/15/2019	Noted	
504	Carlos Ortiz		A-110-14BLDG64	Plan	Confirm Electrical Room is fire compliant (one exit to exterior, one exit to additional electrical room)	Code requires two exits with panic hardware. One exit has to be directly to the outside. This configuration meets that requirement.	Pieterick	10/15/2019	Noted	
					Add retaining wall to stairs at Line B to minimize flood hazard risk into cable room below		rictorion	10/10/2010	Clarification: Would want/need to	
505	Carlos Ortiz		A-110-14BLDG64	Plan	Stairs and walkway may need to be integrated into building wall to minimize intrusion at				extend the retaining wall east of	
					this location.	drawing show a retaining wall on S-112. Agreed, this will be changed. We will remove the pads in the valleys. There really should be a need to extend the	Pieterick	10/15/2019	Line 3.	
506	Carlos Ortiz		A-120-14BLDG64	Roof Plan	crickets in conflict with roof walkway pads. Confirm if applicable/or adjust as necessary.	path that far south.	Pieterick	10/15/2019	Noted	
507	Carlos Ortiz		A-301-14BLDG65	Section A	Confirm that the Penetration into the cable room are water tight.	All below grade penetration have been detailed to be water tight. We will confirm that			Noted	
						there is no confusion on this matter. Will provide information	Pieterick	10/10/2010	Noted	
508	Carlos Ortiz		S-100-14BLDG64	Plan	Suggest including a section at line 2 to show the footing overlays at lines A and B. It is unclear why the slab is sloping to a single point, if no downspout is included.	Will provide information	Scoggins	10/15/2019	Noted	
509	Carlos Ortiz		S-111-14BLDG64	Plan	Suggest having the slab west of the midpoint be held at Elevation 12.72 and the edge of	f			Noted	
540	01 0-1-		0.440.440.00	Disa	concrete from line B to A along Line 1 slope down from 13.00 to 12.72.	Will evaluate drainage with architect and building mechanical.	Scoggins	10/15/2019	Neted	
510	Carlos Ortiz		S-112-14BLDG	Plan	Confirm if a masonry joint is needed in wall along Line 3. No collector elements are provided for E-W oriented wall between Lines 3 and 4, at Line	Will review jointing	Scoggins	10/15/2019	Noted	
511	Carlos Ortiz		S-122-14BLDG64	Plan	A.5 (approx.). Provide collector elements or detail wall connection so as not to				Noted	
					participate.	Intent is to provide details for non-participating wall elements	Scoggins	10/15/2019		
512	Carlos Ortiz		S-302-14BLDG64	Section B	Suggest extending base slab for access ramp down to top of footing (EL 7.00) to minimize potential differential settlement (similar at S-303-14BLDG64 Section D.	Ramp details will be addressed at next deliverable	Scoggins	10/15/2019	Noted	
					Suggest including language for how to properly place concrete (or reference the	Trainp dotaile will be dadieded at their deliverage	Cooggino	10/10/2010		
513	Carlos Ortiz		Det 0315-133	Std Detail	appropriate spec), suggest including that the concrete placed above the waterstop				Noted	
					needs to be vibrated along with the concrete placed in steps 1-3 so as to avoid a cold joint forming.	Information is included in specifications and will be part of discussion with design builder	Scongins	10/15/2019		
					Confirm if started walls and joints offset from slabs are to be used in this project. The	The first to thousand in opening along the part of diodecoon with acong the along	Cooggino	10/10/2010		
514	Carlos Ortiz		Det 0315-152	Std Detail	drawings currently do not show any starter walls. If starter walls are to be used, suggest				Noted	
•				212 - 212	including a comment that this detail shall be used unless noted otherwise. Similar comment for Detail 0315-153	Starter wall not intended. Detail will be deleted	Scoggins	10/15/2019		
					Confirm if this detail is to be used for all openings. Suggest noting on the ported baffle	Ctartor wail not interaced. Detail will be deleted	Cooggins	10/10/2013		
515	Carlos Ortiz		Det 0330-001	Std Detail	wall drawing (14HW3PS) whether or not this detail is to be used or whether or not the				Noted	
F40	Caulaa Outin		Det 0220 004	Ctd Datail	diagonal reinforcing is required.	General notes indicate this detail is to be used at all openings UON. Will amend	Scoggins	10/15/2019	Noted	
516 517	Carlos Ortiz Carlos Ortiz		Det 0330-004 Det 0330-022	Std Detail pg. 3 of 3	Notes list is misaligned. Note 1: Suggest indicating that overcutting is not allowed.	Will review.	Scoggins Scoggins	10/15/2019 10/15/2019		
518	Carlos Ortiz		Det 0330-043	Std Detail	Is there any guidance required as to when to apply the Type A detail or when to Apply		35		Noted	
310	Odilos Offiz		DCI 0000 040	Old Detail	the Type B detail, or is it based on how the concrete is drawn on the plans?	Will clarify. Typically indicated on facility drawings	Scoggins	10/15/2019	Noted	
519	Carlos Ortiz		Det 0330-056	pg. 3 of 7	Is the minimum pad height of 3-1/2" adequate for anchorage embedment and compatible with the aggregate size in the concrete mix? When anchoring into existing,	Will review. Standard pad height for electrical equipment. Height is increased as			Noted	
				F9. 5 5. 1	getting the bend radius of the anchor to be compatible can be challenging.	required based on anchorage calculations.	Scoggins	10/15/2019		
520	Carlos Ortiz	T	Det 0330-056	Std Detail	Suggest that at a minimum, the horizontal bars have hooks that extend into the	Will review for application, Not the includes a second of the second of	Coordina	10/15/2019	Noted	
					thickened edge.	Will review for application. Not typically necessary for assumed loads. No frost depth. Soil over-excavation and subgrade preparation are considered in slab	Scoggins	10/15/2019		
521	Carlos Ortiz		Det 0330-056	pg. 5 and 6 of 7	Is the embedment into the soil sufficient per geotechnical requirements?	depth. Will coordinate with Geotech	Scoggins	10/15/2019	Noted	
522	Carlos Ortiz	T	Det 0330-056	pg. 7 of 7	Note 9: Should the anchorage requirements be confirmed with submitted calculations	Vac This is further slevified in the appairies	Casasina	40/4E/0040	Noted	
		+		1.5	submitted by the manufacturer to the engineer?	Yes. This is further clarified in the specifications.	Scoggins	10/15/2019		
523	Carlos Ortiz		Det 0330-057	pg. 2 of 2	Is the anchorage of equipment into non-shrink grout appropriate? The bonding capacity to the concrete does not seem like it would be adequate, nor does it meet the criteria of	This detail is rarely used, but is an option for large equipment requiring additional			Noted	
523	Carios Offiz		Der 0090-097	ρy. ∠ ∪i ∠	ACI 318 Chapter 17/ ACI 350 Appendix D, in particular for seismic anchorage.	tolerance. Final capacity is responsibility of anchorage design engineer. Will consider	Canadian	40/45/0045	TVOICU	
		+			Note 2: Where the angle of grout is very shallow, this key may end up being several	clarifying in detail.	Scoggins	10/15/2019		
524	Carlos Ortiz		Det 0330-078	Std Detail	feet. Should this be noted or incorporated into the design?	yes, where necessary. Loss in member depth is often negligible.	Scoggins	10/15/2019	Noted	

	<mark>San José-Santa Clara</mark> Regional Wastewater I								Quality Review Form	
₹ 57	Regional Wastewater I	acility								
		File Name:		QRF Log Backcheck By Cit		Submittal Date:		10/9/2019		
		Project Name: Document:			works Improvements Project 60% Design Drawings and Specs City Backcheck	Reviewer/s: Project No.:		City/CIP/O&N 7477/7701	M .	
		Document.		TVCW TICAGWOTKS T TOJCCE C	1070 Design Drawings and Opecs Ony Backeneek	Backcheck Date		2/1/2020		
STRUCTION	S: Critical issues may have a signifi	cant impact on rework, so	chedule, cost or risk and	require immediate resolution. All cor	nments need to be back-checked and approved by the reviewers.					
				Poviower		Originator			Paviance	
		Critical		Reviewer Reference		Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
					Note that bending and placing #6 bars as horiz in an 8" wall may be impractical at the					
525	Carlos Ortiz		Det 0422-001	Pg. 1 of 2	corners due to the bend radius. Suggest revising reinforcement to use smaller bars more frequently in wall. This will also affect the 180 deg hooks required for Special				Noted	
020	Canob Cruz		2010122 001	1 g. 1 o. 2	Reinforced Masonry Shear Wall horizontal bars, as shown in Detail 0422-004, pg. 1 of				110100	
					3.	Noted. Not intending to use #6 bars in the horizontal	Scoggins	10/15/2019		
526	Carlos Ortiz		Det 0422-004	Pg. 2 of 3	Suggest indicating that Intermediate Reinf Masonry Shear Walls are not used on this project	Sheet should not have been included in set. Will delete.	Scoggins	10/15/2019	Noted	
						Chect should not have been included in set. Will delete.	ocoggins	10/13/2019		
527	Carlos Ortiz		Det 0512-056	Pg. 1 of 3	The installation of these anchors does not allow for much tolerance in the horizontal direction perpendicular to the beam. Suggest allowing that at least one of the angle have				Noted	
027	Ganos Graz		201 00 12 000	1 g. 1 01 0	a horizontal slotted hole on the leg mounted to the concrete surface (typ multiple details)	Will consider	Secarine	10/15/2019	110100	
					The two bolts for the anchor plate do not seem sufficient to handle uplift loads from the	Will Consider	Scoggins	10/15/2019		
528	Carlos Ortiz		Det 0512-066	Std Detail	· ·	Detail not intended to take OOP wall loads. Additional details for OOP support are to be			Noted	
					diaphragm. Similar comment for Det 0512-067.	provided.	Scoggins	10/15/2019		
					Oversized holes in bearing plate may not allow for proper transfer of out of plane forces to diaphragm. Suggest removing oversized hole allowance or including an oversized					
529	Carlos Ortiz		Det 0512-066	Std Detail	washer be field welded to the bearing plate after installation. It should be noted that the				Noted	
					beam is already being field welded to the bearing plate, therefore placement tolerances					
					for the beam are already being provided. The bolt layout for the bearing plate does not indicate the spacing between anchors.	Not intended for OOP wall support. Additional details will be provided.	Scoggins	10/15/2019		
530	Carlos Ortiz		Det 0512-066	Std Detail	This can lead to instances where one or two of the anchors is in conflict with a masonry	Spacing is defined by dimensions relative to beam flange. Unit web or end shell is cut to			Noted	
					unit web between faces. Similar comment for Det 0512-067.	allow installation of anchor where in conflict.	Scoggins	10/15/2019		
531	Carlos Ortiz		Det 0512-067	Std Detail	The ledger adjacent to the beams is not continuous. Suggest extending ledger to provide better continuity of diaphragm attachment.	Will review based on diaphragm forces and detailing	Seconding	10/15/2019	Noted	
					Suggest not allowing J-bolts and requiring headed anchors instead. J-bolts have lower	will review based on diapriragin forces and detailing	Scoggins	10/13/2019		
532	Carlos Ortiz		Det 0531-001	Std Detail	capacity than headed anchors with equivalent embedment depth due to pullout failures.	Agree. Will modify detail to align with headed anchor requirement consistent with			Noted	
					Typ for multiple details. Is there a maximum permissible height for the platform? The 2" schedule 40 AL pipe	specifications	Scoggins	10/15/2019		
533	Carlos Ortiz		Det 0551-002	Std Detail	columns would appear to be a limiting factor (typical for multiple details).	Detail is only used where shown as evaluated by engineering staff as part of project	Scoggins	10/15/2019	Noted	
534	Carlos Ortiz		Det 1073-001	Std Detail	Is this detail sufficient for wind uplift forces? The hanger pipe (Keynote 7) seems to				Noted	
	04.100 014.2			Ota Botan	have limited capacity in compression. Paragraph 3.03. Suggest rewriting from "The use of burningwill not be permitted" to	Will coordinate with project architect	Scoggins	10/15/2019	110100	
535	Carlos Ortiz		Sec 024100	pg. 7	"The use of burningis not permitted."	Will coordinate with the City standard specs to finalize wording.	Maestri	11/12/2019	Noted	
536	Carlos Ortiz		Sec 030132	pg. 2	Paragraph 1.02. Confirm Defective areas are provided		Scoggins	10/15/2019	Noted	
537	Carlos Ortiz		Sec 030132	pg. 4	Paragraph 2.01: Provide a bonding requirement for repair mortar (typ for multiple repairs systems.	Bond testing requirements are included in 3.09	Secondine	10/15/2019	Noted	
					Paragraph 3.02: If defective concrete is defined in section 033000, confirm if the list of	bond testing requirements are included in 3.09	Scoggins	10/13/2019		
538	Carlos Ortiz		Sec 030132	pg. 7	defects needs to be readdressed in this section. Similar comment for Section 030133				Noted	
					Paragraph 3.03.B.	Confirmed	Scoggins	10/15/2019		
539	Carlos Ortiz		Sec 032100	Pg. 3	Paragraph 2.02.B: Specs require the use of precast concrete supports at all surfaces. Confirm this is preferred to using chairs or chairs with metal tips.	Will review	Scoggins	10/15/2019	Noted	
540	Carlos Ortiz		Sec 033000	pg. 14	Paragraph 3.01.C.10.c: Suggest indicating that concrete placed after waterstop should					
J -1 U	Janus OIIIZ	1	000 000000	pg. 14	be vibrated with concrete below waterstop. Coordinate with standard detail.	Included in section 03 15 00	Scoggins	10/15/2019	110.00	
541	Carlos Ortiz		Sec 033000	pg. 19	Paragraph 3.03.A.1: Suggest allowing for urethane grout injection where structure is exposed to water, as epoxies do not bond well to wet/moist concrete. Similar comment				Noted	
	3350 01112				at Section 033000 Paragraph 3.09.F.9.a	Will consider and consult with design builder	Scoggins	10/15/2019		
					Paragraph 3.04.E.1: Finish W-9 references finish Type W-7, however W-7 finish is not					
542	Carlos Ortiz		Sec 033000	pg. 21	included in the specification. Include Finish W-7 in the specification, or list the relevant information for Type W-7 finish under Type W-9 finish.	Will review finishes	Scoggins	10/15/2019	Noted	
					Paragraph 3.08A: Suggest indicating when/where roofs and laterally supporting	VVIII TOVIOW III ISTICS	Cooggins	10/13/2013		
543	Carlos Ortiz		Sec 033000	pg. 24	elements need to be constructed prior to backfilling against the walls (cantilevered walls				Noted	
					vs laterally supported walls) Paragraph 2.02.E.4.c: Suggest revising Simpson SET-XP to SET-3G, which is more	drawings where pertinent. Will review products including any recent manufacturer updates as they seem to change	Scoggins	10/15/2019		
544	Carlos Ortiz		Sec 050519	pg. 5	comparable in strength to the Hilti products listed.		Scoggins	10/15/2019	Noted	
545	Carlos Ortiz		Sec 055000	pg. 10	Paragraph 1.18.A: Confirm all products required to meet OSHA requirements also meet				Noted	
					Cal OSHA requirements. Similar at other locations		Scoggins	10/13/2019		
546	Carlos Ortiz	+	Sec 055000	pg. 16	Paragraph 3.07.A: Revise IBC callout to CBC, typical at multiple locations	Will change It was intended to be used under the electrical Building Slab East of 3 where we floor	Scoggins	10/15/2019	Noted	
547	Carlos Ortiz		Sec 072616	pg. 1	Where are the below grade vapor retarders being used? Suggest indicating where this is required in the drawings.	coatings or finishes were applied. We will review to see if this spec section is still			Noted	
							Pieterick	10/15/2019		
548	Carlos Ortiz		Sec 107316	pg. 1	Confirm that the quoted edition of the CBC is correct, or suggest revising to not callout a version. Coordinate CBC date with drawings.	The 2016 CBC reference in 10 73 16 is the same code that is referenced in our Life Safety Plans on G-21-01.	Pieterick	10/15/2019	Noted	
				· ·	·					

Part	3	San José-Santa Clara	F 11.							Quality Review Form	
Part	27	Regional Wastewater	Facility					1			
Part					,						
Part						· · · · · · · · · · · · · · · · · · ·				VI	
Page			Document:		New Headworks Project - C	Design Drawings and Specs City Backcheck					
Processor Proc	RUCTIOI	NS: Critical issues may have a signii	ficant impact on rework, s	schedule, cost or risk and	d require immediate resolution. All cor	nments need to be back-checked and approved by the reviewers.	Buokoncok Butc		2/ 1/2020		
March Part			1 0 11 1				Originator				
Part	#	Reviewer		Page Index		Comments / Questions	Resolution / Response		Date		
March Marc	549	Ruchita Acharya		-	60 pct. Design Deliverable_Vol4of5_Drawi ng.pdf (Page 83, GRADING AREA 4 PLAN 8, Drawing no: CG-108-05) In this drawing, top left corner(pg. 83): shows map of surrounding roadway of newly built facility. The note in the drawing indicated "match existing grades around Facility to ensure drainage to the south". There is no stormwater pump or	applicable laws and regulations relating to prevention or abatement of water pollution. There are three ways to comply: 1) Re-directing flow to Headworks so that project can be covered in RWF's NPDES permit; 2) Connect this project with city-wide storm drain system so that project can be covered under Municipal Regional Stormwater NPDES Permit (MRP); 3) Obtain coverage under the Statewide General Permit for Storm Water Discharges Associated with Industrial Activities aka Industrial General Permit (Note: the Industrial General Permit is different than an Industrial Wastewater Permit, which involves industrial process water discharges to the City's sanitary sewer	added to pick up flow from EBOS, ferric and any other locations where impervious				
Secondary Seco					basin shown in the	Companies of Condition Interesting Conditions are extended to 10"		Chandler	12/6/2019		
Month	550	DRW	-	-	N-001-09	Spreckles Force Main connection according to drawing G-080-01 and D-110-14A.		Foley	10/15/2019	Noted	
March Marc	551	DRW	-	-	N-002-09	·		Folov	10/15/2010	Noted	
Procedure of the process of the common of	552	DRW	-	-	N-003-09					Noted	
Control Cont			-	-		The valve controls on this sheet are shown with a single asterisk which according to the symbols and abbreviations sheet is part of a package system, but other drawings such	Asterisk will be removed. They are an accessory to the valve, not part of a package	,			
Decomposition Decompositio	554	DRW	-	-	N-008-09/D-501-14HW3IS	Coordinate the Screenings Compactor Units as the P & ID shows a 6" SCR/D pipe from		,		Noted	
Process Proc	555	DRW	-	-	N-009-09			•		Noted	
ORW - 0. 0222324255285279395 FeVE tagging selected No. 4 in Automation Requirement AG_RWF_007 Appeals of P 193898	556	DRW	-	-	N-012-09/D502-14HW3PS	The piping arrangement for the seal water system should be coordinated with the		•		Noted	
he for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime 2.55% pic specification 4.4 4.4 5 Supplement 1, not for the stime 2.55% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime is attorned to 0.75% pic specification 4.4 4.4 5 Supplement 1, not for the stime 1.4 5 Supplement 1, n	557	DRW	-	-		RWF tagging standard No. 4 in Automation Requirement AG_RWF_007 Appendix G P		Foley	10/15/2019	Noted	
Fig. 1 PkW N-033-00 The description at the DCS level for Al 9507-02 states Spend indication this should be provided by the description at the DCS level for Al 9507-02 states Spend indication this should be provided by the discription of the DCS level for Al 9507-02 states Spend indication this should be provided by the discription of the DCS level for Al 9507-02 states Spend indication this should be provided by the discription of the Spend ground the condensate MH is will be corrected in the 90% review set. South	558	DRW	-	-	N-022/23/24/25/26/27-09		received proposals, and were able to update the PID which is used for electrical design. Spec was not updated.	Volter	40/40/2040	Noted	
Order of the substitute of the						The description at the DCS level for Al 9507-02 states Speed Indication this should be	Will update for fillal.	Toukei	10/10/2019		
PRIVE Sear Barker Sea Sear Barker Sear Barker Sear Barker Sea Sear Barker Sea Sea			-	-		Combustible Gas/LEL	D501-14ODO, Section A will be corrected by revising the 18" FA to 30" FA to match	Foley	10/15/2019		
NRW - N-037-09. The speed control separate the PR ID does not show these signals. PRW - N-037-09. The speed control separate state DCJ should be outputs not inputs as shown. N-037-09. The speed control separate state DCJ should be outputs. This will be corrected in the 90% review set. N-037-09. The speed control separate shown on the PR ID. N-037-09. The speed control separate shown on the PR ID. N-037-09. The speed control separate shown on the PR ID. N-037-09. The Speed control separate shown on the PR ID. Noted			-	<u>-</u>		match what is shown on drawings D101-14HW3IS, D110-14ODO and D501-14ODO		Cowden	10/14/19		
Fig. 1 PRW			-	<u>-</u>		DCU but the P & ID does not show these signals.					
DRW - 1 12RECYPS1 12RECYPS1 which are not shown on the P& ID. Will add the reducers on the P&ID. Will other educers on the P&ID. Will correct discrepancies DRW - 1 40 90 00. Control Panel Schedule Schedule 9899 and the DCU number should in the DCU shown the P&ID. This will be added to 90% review set. DCU number changed from DCU-14 to DCU-50 E-700-08 If the VFD disconnect switch is opened up while the motor is running, the IGBT components may be damaged. Will control relays CR6, CR8 and CR1 operate fast enough to shut down the drive before damage is done to the drive? Sean Barker - 1 E-704-08 Control relay CR9 does not appear to have any contacts in this diagram. What does this relay do? Sean Barker - 2 E-110-12RECYPS1 This will be added to 90% review set. DCU number changed from DCU-14 to DCU-50 Foley 10/15/2019 Do you have a recommendation? It is not standard operational practice to open a disconnect while the motor is running, the IGBT components may be damaged. Will control relays CR6, CR8 and CR1 operate fast enough to the drive? Sean Barker - 2 E-704-08 Control relay CR9 does not appear to have any contacts in this diagram. What does this relay do? The control circuit schedule lists 10 conductors going from the VFD to the control station. Six wires are shown on the control diagram. But if the operation that could increase the number of conductors. For now they are just spare, but can be reduced. Michaud 10/15/2019 Noted	562	DRW	-				This will be corrected in the 90% review set.	Foley	10/15/2019	Noted	
her begin be	563		-	-	12RECYPS1	12RECYPS1 which are not shown on the P & ID.	Will add the reducers on the P&ID.	Edwards	10/15/2019	Noted	
Schedule 9999) and the DCU number should be 64 This will be added to 90% review set. DCU number changed from DCU-14 to DCU-50 South Barker This will be added to 90% review set. DCU number changed from DCU-14 to DCU-50 Do you have a recommendation? It is not standard operational practice to open a disconnect while the motor is running, the IGBT components may be damaged. Will control relays CR6, CR8 and CR1 operate fast enough to shut down the drive before damage is done to the drive? Sean Barker This will be added to 90% review set. DCU number changed from DCU-14 to DCU-50 Do you have a recommendation? It is not standard operational practice to open a disconnect while the motor is running on a drive. Electrical Design Guideline only states to provide auxiliary disconnect contacts to the drive to shut it down to prevent damage, and contact a couple manufacturers and get their thoughts. Sean Barker This will be added to 90% review set. DCU number changed from DCU-14 to DCU-50 Do you have a recommendation? It is not standard operational practice to open a disconnect while the motor is running on a drive. Electrical Design Guideline only states to provide auxiliary disconnect contacts to the drive to shut it down to prevent damage, and contact a couple manufacturers and get their thoughts. Will coordinate with I&C on function desire for speed switch Will coordinate with I&C on function desire for speed switch The control circuit schedule lists 10 conductors going from the VFD to the control station. What is the purpose of the other 5 wires? The control circuit schedule lists 10 conductors going from the VFD to the control station. What is the purpose of the other 5 wires? The provide auxiliary disconnect contacts to the drive to shut it down to prevent damage, local contact a couple manufacturers and get their thoughts. Will coordinate with I&C on function desire for speed switch Six wires are shown on the control diagram. But if the contractor doesn't control of conductors. For Michaud 10/15/20			-	-		shown on the rest of the diagram	Will correct discrepancies	Michaud	10/15/2019	Noted	
Sean Barker - E-700-08 E-700-08	565	DRW	-					Foley	10/15/2019	Noted	
Sean Barker - E-704-08 this relay do? Will coordinate with I&C on function desire for speed switch Michaud 10/15/2019 Noted The control circuit schedule lists 10 conductors going from the VFD to the control diagram. But if the contractor doesn't common the input voltage to the control station. What is the purpose of the other 5 wires? Sean Barker - E-110-12RECYPS1 of each pump. Motor control diagram V3 only shows 5 wires going to the control station. What is the purpose of the other 5 wires? There should be a detail showing how the outlets in between the sludge screening bins will be mounted and there exact location. In this drawing they appear to be mounted in the floor. They will be stanchion. Will provide detail. Michaud 10/15/2019 Noted Noted Noted Noted	566	Sean Barker	-	-	E-700-08	components may be damaged. Will control relays CR6, CR8 and CR1 operate fast	disconnect while the motor is running on a drive. Electrical Design Guideline only states to provide auxiliary disconnect contacts to the drive to shut it down to prevent damage, I	Michaud	10/15/2019		
568 Sean Barker - E-110-12RECYPS1 of each pump. Motor control diagram V3 only shows 5 wires going to the control station. Input voltage to the control station that could increase the number of conductors. For now they are just spare, but can be reduced. There should be a detail showing how the outlets in between the sludge screening bins will be mounted and there exact location. In this drawing they appear to be mounted in the floor. They will be stanchion. Will provide detail. Michaud 10/15/2019 Noted	567	Sean Barker	-	-	E-704-08	this relay do?		Michaud	10/15/2019	Noted	
569 Sean Barker - EF-110-14HW3IS will be mounted and there exact location. In this drawing they appear to be mounted in the floor. They will be stanchion. Will provide detail. Noted 10/15/2019	568	Sean Barker	-	-	E-110-12RECYPS1	of each pump. Motor control diagram V3 only shows 5 wires going to the control station. What is the purpose of the other 5 wires?	input voltage to the control station that could increase the number of conductors. For	Michaud	10/15/2019	Noted	
570 Sean Barker - EP-111-14HW3IS The control stations for the influent and effluent gates are mis-labeled. Will correct Michaud 10/15/2019 Noted	569	Sean Barker	-	-	EF-110-14HW3IS	will be mounted and there exact location. In this drawing they appear to be mounted in the floor.	They will be stanchion. Will provide detail.	Michaud	10/15/2019	Noted	
	570	Sean Barker	-	-	EP-111-14HW3IS	The control stations for the influent and effluent gates are mis-labeled.	Will correct	Michaud	10/15/2019	Noted	

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	San José-Santa Clara Regional Wastewater							(Quality Review Form	
	Regional Wastewater	r Facility———								
		File Name:		QRF Log Backcheck By Cit		Submittal Date		10/9/2019		
		Project Name: Document:			works Improvements Project 0% Design Drawings and Specs City Backcheck	Reviewer/s Project No.		City/CIP/O&	M	
		Document.		TVCW TICAUWOTKS T TOJCCE O	ON Design Drawings and Opens Only Backeneek	Backcheck Date		2/1/2020		
STRUCTIO	ONS: Critical issues may have a sign	nificant impact on rework, s	schedule, cost or risk and	d require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.					
				Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
#	Keviewei	Issue	rage muex	Drawing, Specification,		nesolution/ nesponse	Name	Date	& Approved	\$ 1,697,461
					Detail 2605-005 lists the disconnect mounting pedestal as hot-dip galvanized with galvanized mounting hardware. The Area Classification and Materials Selection lists all					
571	Sean Barker			EP-111-14HW3IS	mounting hardware and supports as stainless steel for this area. All the conduit in the				Noted	
571	Sean Darker	-	-	EP-111-14HW313	area is PVC coated rigid galvanized steal for protection from the corrosive environment				Noted	
					The pedestals should be made from a material that will give them the same protection as the equipment that is mounted on them.	Will coordinate to match the area classification table.	Michaud	10/15/2019		
572	Sean Barker	_	_	EP-112-14HW3IS	There are no disconnect switches shown for any of the valves on this page. Will the	Will coordinate with process and I&C on the desire for a central control station and			Noted	
312	Geall Baikei			L1 -112-1411W3I3	disconnects be part of the central control station that is listed in keynote 1?	disconnect panel. Per meeting on 10/16/19 will change these light poles at the platform of the pumps to	Michaud, Foley, Youker	10/15/2019	Noteu	
				EE 440 441 NAODO	There will not be a safe way to work on the lights mounted on 15 foot poles next to the	hinged poles. All other poles on site will remain non-hinged.				
573	Sean Barker	-	-	EF-110-14HW3PS	hand railings of this elevated area. The poles will need to be able to fold down or they need to be moved away from the railing.				Noted	\$ 3,000
					The manhole next to the Mid Point Chlorination Building for the fiber optic cable that	GMP Assumption: Include scope change.	Michaud	12/6/2019		
574	Sean Barker	-	-	E-105-8	runs from the Filter Building to TPS is missing	Will add.	Michaud	10/15/2019	Noted	
575	Sean Barker	-	-	E-708-08	Add a contact from the TDR relay to the DCU	Will review, but generally you don't want the TDR but some other status.	Michaud	10/15/2019		
576 577	Sean Barker Sean Barker	-	-	E-708-08 and E-707-08 E-708-08	The TDR relay should shut down the motor and send an alarm to the DCU The M contact that energizes the TDR relay should be normally open.	Will correct as needed. Will correct as needed.	Michaud Michaud	10/15/2019		
578	Sean Barker			EP-112-14BLDG64	, , , , ,	f Yes, aisle ways are a minimum 5' wide due to working clearances and drives are 4'	Monada	10/10/2010	Noted	
370	Seall Daikei		-	EF-112-14BLDG04	one of them has a catastrophic failure and needs to be replace.	deep. They can not, however be rotated 90deg and moved.	Michaud	10/15/2019	Noted	
579	Sean Barker	-	-	PM-301-14BLDG64	A section of railing at the north west side of the electrical building should be removable so that large items, such as circuit breakers, can be lifted with a forklift	Will change.	Michaud, Scoggins, Pieterick	10/15/2019	Noted	
					Detail 2605-003 lists the disconnect mounting plate as hot-dip galvanized with		33 -,			
					galvanized mounting hardware. The Area Classification and Materials Selection lists all					
580	Sean Barker	-	-	EF-120-14HW3GB	mounting hardware and supports as stainless steel for this area. All the conduit in the area is PVC coated rigid galvanized steal for protection from the corrosive environment				Noted	
					and the disconnects and mounting hardware are stainless steal. The pedestals should					
					be made from a material that will give them the same protection as the equipment that is mounted on them.	Will revise detail to refer to Area Classification Table.	Michaud	10/15/2019		
581	Sean Barker			EP-123-14HW3GB	The disconnects should be labeled on this sheet. It is really difficult to determine which		Micriada	10/13/2019	Noted	
201	Sean Barker	-	-	EP-123-14HW3GB	disconnect goes to each device.	Will label	Michaud	10/15/2019	Noted	
582	Sean Barker	-	-	EP-123-14HW3GB	The disconnects for valves 14VLV9604-01, -02 and -03 are missing	Due to working clearance issues the fused disconnects for those valves are located on the South handrail with the other disconnects for the grit washer/stirrers.	Michaud	10/15/2019	Noted	
					The conductor count for the valves appears to be too much. As an example, the gate	gg	monada	10/10/2010		
583	Sean Barker	-	-		valves list 18 conductors for 7 DI and 2 DO. It would seem that only 11 conductors are				Noted	
					needed for these signals. Please confirm that all the conductor counts are correct.	Conductor count is based on 2 conductors per signal and no "commoning".	Michaud	10/15/2019		
					The light mounted above the stairway cannot be serviced without setting up scaffolding.					
584	Sean Barker	-	-	EP-120-14HW3GB	Please move to a location that will allow access to the light without setting up scaffolding.	Will move to the North side of the stair landing	Michaud	10/15/2019	Noted	
505	Soon Barker				The safety officer for the Facility should study the 3D rendering and determine if all the	Will move to the North side of the stair landing			Needs discussion with City	
585	Sean Barker		-		lights can be accessed safely	Let me know of any requested changes.	Michaud	10/15/2019	electrical staff and Plant Safety.	
586	Sean Barker	_	-	EP-110-14ODO	Is one light enough to illuminate this area? If odor control is required to run 24 hours a day, operations and maintenance personnel may have to work on this equipment at	there is some luminance from the nearby pump station, will rerun model with facilities			Noted	
					night.	adjacent to each other to confirm.	Michaud	10/15/2019		
587	Sean Barker	-	-	EP-112-14BLDG64	Detail 2605-700 is for cable tray installation. There should not be any cable tray under the MCC. This detail should be removed.	Will remove	Michaud	10/15/2019	Noted	
					The fire alarm panel should not be located in the battery room. Personnel who service	Will Tolllove	IVIIOITAUU	10/10/2019		
588	Sean Barker	_	-	EP-112-14BLDG64	or monitor the fire alarm panel are usually are not trained to work around battery	Electrical PPE should only be required when working on equipment. Other option is to			Noted	
					systems operating at 125vdc and do not wear the PPE required for working in a battery room.	locate in the electrical room because there is no room in the control room. But that isn't ideal either.	Michaud	10/15/2019		
					The keynote states all power meters shall receive voltage measurements from the line	Noon of the Control o	monada	10/10/2010		
					side PTS of their respective bus. If the line to the power meters respective bus is shut					
				E-601-14BLDG64 Kevnote	down and the entire bus is fed from the other line, the power meters on the bus with the dead line will not receive any voltage measurements. The voltage measurements for					
589	Sean Barker	-	-	3	the feeder breakers should come from the bus PTS for their respective bus instead.				Noted	
					This way the meters will always have a voltage reading if their bus has voltage on it. The power meters for the main breakers should be connected to the line PTS so that					
					they can give indication that the line is live or dead.	Will revise language to be for the bus PTs	Michaud	10/15/2019		
590	Sean Barker	-	-		All the bus differential CTS should be 1200:5	Will revise	Michaud	10/15/2019		
591 592	Sean Barker Sean Barker	-	-	E-601-14BLDG64 E-603-14BLDG64	There should be a sync-check relay for the tie breaker The UPS should be cord and plug connected on both the line and load sides.	Will add as well as to specification 26 09 13 Will correct	Michaud Michaud	10/15/2019		
593	Sean Barker	-	-	E-608-14BLDG64	The AC connections diagram is missing the voltage input from the bus side PTS	Will add	Michaud	10/15/2019		
594	Sean Barker	-	-	E-608-14BLDG64	The protection relay is labeled BE1-851. A BE1-851 relay only has current connections		Michaud	10/15/2019	Noted	
	+				not voltage. Is this the correct relay?	No, will correct to match specification and previous requests.	IVIIOTAUU	10/15/2019	Ensure that all exposed cables in	
595	Sean Barker	_	-	Detail 2605-101	The conduit sleeve in the slab should extend up to the junction box to provide protection				JBs, manholes, handholes,	
					for the cord	allow for ease of cable removal). Will revise detail to include seal offs and conduit extended up to enclosure.	Michaud	10/15/2010	vaults, or cable trays are protected (firetaped).	
596	Sean Barker			Specification 26 05 05 2.07	Self laminating wire markers should not be used. Overtime the lamination turns yellow	·				
			-	B 2	and the wire marker becomes difficult to read.	Are you referring to the heat bone markers? Can remove.		10/15/2019		
597	Carlos Garcia	-	-	PIDs	See markup (pdf)	See Bluebeam Session for Responses	Foley	10/15/2019	Noted	

3	San José-Santa Cla Regional Wastewa	ara ater Facility							Quality Review Form	
2	Regional Wastewa	File Name:		QRF Log Backcheck By Ci	Sh. (2/4/2020)	Submittal Date	_	10/9/2019		
		Project Name:			lworks Improvements Project	Reviewer/s		City/CIP/O&	M	
		Document:			60% Design Drawings and Specs City Backcheck			7477/7701		
		Document.		New Headworks Froject - C	Design Drawings and Specs City Backcheck	Project No. Backcheck Date		2/1/2020		
истю	NS: Critical issues may have a	a significant impact on rewor	l k, schedule, cost or risk a	nd require immediate resolution. All co	mments need to be back-checked and approved by the reviewers.	Datacijeta Data	3	2/1/2020		
				Reviewer		Originator			Reviewer	
		Critical		Reference			Resolution		Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved \$	\$ 1,697,4
		10000			Maintain consistency in naming and searching: existing Plant drive units are called		Nume	Dute	Some tag number are still	Ψ 1,037,
9	Mike Jones	-	-	N-008-09 / sheet 146	DRU, drawing uses SCP - use DRU.	Tag number will be changed to DRU in 90% review set	Foley	10/15/2019	different, will need adjustment.	
					2.10, drawing 4000 00. 400 2.10.	GSFR is based on CIP Program Automation Guidelines, Appendix 04 "Asset Tagging		10,10,2010	ameren, mirrieda dajaennem	
0	Mike Jones	_	_	N-008-09 / sheet 147	Maintain consistency in naming: existing grit classifiers use CSFR, drawing uses GSFR	Convention".			Noted	
•	Willio Golloo			it doe do / dilect i ii	Thankair conditions in harming, existing girl diagonicio add cor ix, arawing adds cor ix	No change planned.	Youker	10/16/2019		
						No change planned.	Toukei	10/10/2019		
1	Mike Japas			N-008-09 / sheet 148	Unnamed equipment: we identify basket strainers as they usually require periodic				Needs further clarification during	
	Mike Jones		_	14-000-03 / SHEEL 140	cleaning (existing strainers use FLTR) - issue asset tag	Can't find basket strainers referred to on N-008-09 and N-009-09	Foley	10/16/2019	the 60%-90% design phase	
				+	Maintain consistency in naming: existing fire alarm control panels use LCP, drawing	Dant find basket strainers referred to on 14-000-03 and 14-003-03	I Oley	10/10/2019		
2	Mike Jones	-	-	N-008-09 / sheet 149	, , , , , ,	Panal number will be changed to LCD to conform to plant atomical	Foloy / Saskinger	10/40/0040	Noted	
					uses FACP	Panel number will be changed to LCP to conform to plant standards	Foley / Sackinger	10/16/2019		
3	Mike Jones	-	-	General	Review and conform to SOP AM.100.	Yes, this is the plan. City is providing updated Div-01 for CMMS requirements that will	False Bon	40/40/22/	Provided.	
				1		be compatible with SOP AM 100. Please provide current copy of this SOP.	Foley, Ryan	10/16/2019		
					Add the building fire alarm control panel (as fire suppression detection control panel,	The specification 28 31 00; Fire Detection and Alarm is included in Specification Volume	∍		City: Add to list of discussion	
4	Akilan Ananth	-	-	General	where provided) to the master specification list.	2 and is listed in the index to the specifications. Since there is no fire suppression			items with fire department.	
					where provided) to the master specification list.	systems on this project, the fire alarm control panel will not be be referred to as a "fire			items with the department.	
						suppression detection control panel" to avoid the obvious confusion it would create.	Forester	10/17/2019		
i	Craig Wilcox	-	-	Detail 3213-240	Pavement Type C3 correct cover from 1/2" to 2"	Agree, will correct.	Chandler	10/14/2019	Noted	
					Cast in Place Concrete Note 1 recommend using Type V cement in the concrete mixes	<u> </u>				
6	Craig Wilcox	_	_	G-031-01	(or Type II and V dual certified) due to both the corrosive nature of the soils and the				Needs further review as design	
	Ordig Wilcox			0 001 01	liquid contents to be contained/conveyed.	Type V is not required for exposure conditions	Scoggins	10/17/2019	progresses	
					Concrete Unit Masonry Note 18 recommend using #5 @ 32" OC as more practical than	Type V to not required for expectations	Cooggino	10/11/2010		
7	Craig Wilcox	-	-	G-031-01	#6 @ 48" OC in 8" CMU walls.	Preference noted. Reinforcing specific to structure will be shown on the facility drawings	Scoggins	10/17/2019	Noted	
8	Craig Wilcox	_	_	G-031-01	Deferred submittals add Specification 10 73 16, Manufactured Aluminum Canopies.	Will add.		10/17/2019	Noted	
)	Craig Wilcox		-	G-031-01	Deferred Submittals and Specification 10 73 16, Manufactured Aluminum Carlopies.	The IBC reference on page 2 is specifically identifying the International Code Council	Scoggins	10/11/2019	Noted	
_				0 17 11 10 70 10	Change specification references from IBC to CBC for compliance with II Project Design				N. c. I	
9	Craig Wilcox	-	-	Specification 10 73 16	Criteria	and International Building Code. There is separate CBC reference for the California	B	40/47/0040	Noted	
_						Building Code. This IBC reference will remain.	Pietrick	10/17/2019	No. 1	
0	Craig Wilcox	-	-	G-032-01	Structural Observation Table Item 7, Remove brackets [] from Stage descriptions.	Will do	Scoggins	10/17/2019	Noted	
1	Craig Wilcox	_	-	G-035-01	Remove Table 5 if not used.	Table will be left in to help identify that wind requirements were not overlooked, but			Noted	
						identified that they are not required.	Scoggins	10/17/2019		
					Civil and Geotechnical evaluation of emergency overflow basin side slope stability for	Temporary construction slope conditions will be designed and developed by the builder				
		Critical		R-002-14HW3, CG-301-	temporary excavated condition and permanent improved condition for all loading	and reviewed by the Engineer in the course of submittal reviews. It is the intent of the			Needs further review as design	
2	Craig Wilcox	Issue	-	05, C-100-14B	conditions (including seismic and potential for lateral spreading) that can effect the new	Engineer based on scope and discussions with City not to change the slope per the				
		13306		03, 0-100-14B	improvements and the basin slope.	original design; however we will run stability analyses to confirm concrete lining the EB			progresses	
					improvements and the basin slope.	does not change acceptable stability conditions.	Davis/Chandler	10/16/19		
2	Craig Wilson	Critical		Section A C 440 445	Delineate need for shoring of the existing structure to maintain full support and prevent				Noted	-
3	Craig Wilcox	Issue	-	Section A, S-110-11D	undermining and detrimental settlement.	Shoring requirements will be defined as design progresses	Scoggins	10/17/2019	Noted	
		0 ::: 1			Add notation for the Contractor to monitor existing structures with regular surveying					
4	Craig Wilcox	Critical	-	Section A, S-110-11D	during excavation, shoring and construction to alert the contractor of any detrimental				Noted	
		Issue			movement.	Will work with design builder and geotechnical engineer to define	Scoggins	10/17/2019		
				Section B on S-110-11D						
				Section A on S-301-11, S-						
		Critical		501-1P, Section A on S-	Place 2 rows of adhesive dowels (one each side) of the green streak hydrophilic water				Needs further review as design	
,	Craig Wilcox	Issue	-	110-1A, Section A on S-	stops per the manufacturers requirements to prevent concrete pop-out when the water				progresses	
		13300		110-1B, Section A on S-	stop expands.	Manufacturer requirements will be heeded. Two rows of reinforcing are not required per			p10g103303	
				110-18, Section A on S-		Sika-Greenstreak; Hydrotite product installation data.		10/17/2019		
				11U-1211VVZ,	Polocate the large coddle sine cupport to vertically align ever the contarting of the	Oncombinedit, Tryurotite product installation data.	Scoggins	10/11/2019		
	Crain Wiles:	Critical		D 420 44E	Relocate the large saddle pipe support to vertically align over the centerline of the				Noted	
6	Craig Wilcox	Issue	-	D-120-11E	existing wall so as not to overstress or deflect the existing conduit reinforced concrete	Mill de	\\/h:t-a	40/47/0010	Noted	
					roof.	Will do.	White	10/17/2019		
7	Craig Wilcox	Critical	_	Section A, S-110-2D	Include reinforcing steel in and around the new p[pipe collar to prevent brittle cracking,				Noted	
		Issue		, , , , , , , , , , , , , , , , ,	leaking and failure.	Information is included in pipe collar standard detail. Will add reference.	Scoggins	10/17/2019		
8	Craig Wilcox	Critical	_	Section B, S-110-2D	To comply with ACI 318 and 350 and indicate along the 3 foot wide surfaces to have	Not clear on comment, but appears related to the side surfaces of the slab/plug. ACI is			Needs further review as design	
	Craig Willow	Issue		JCCIIOII D, U-110-2D	reinforcing steel each way.	not interpreted to require reinforcing on surfaces not in flexure.	Scoggins	10/17/2019	progresses	
۵	Craig Wileev	Critical		Section A, S-110-1A	To comply with ACI 318 and 350 indicate in the new concrete to have reinforcing steel				Noted	
9	Craig Wilcox	Issue	-	Section A, S-110-1A	each way.	Intent is reinforced concrete. Details to be added as design progresses	Scoggins	10/17/2019	Noted	
0	Craig Wilcox		-	Sheet 189, S-110-11D	This sheet is a duplicate of sheet 173. Remove if the same sheet is exact duplicate.	Will do	Scoggins	10/17/2019		
		<u> </u>	i	Section A on S-110-	Recommend standard 90 degree hooks on each end of #6 bars to develop the	1	1 00			

Craig Wilcox

621

Recommend standard 90 degree hooks on each end of #6 bars to develop the

Sheet 189, S-110-11D Section A on S-110-12HW2,

reinforcing steel.

Will review detailing

Scoggins

10/17/2019 Noted

	San José-Santa Clara Regional Wastewate	r Facility						(Quality Review Form	
~	Regional Wastewate	File Name:		QRF Log Backcheck By Cit	ty (2/1/2020)	Submittal Date:		10/9/2019		
		Project Name:		,	works Improvements Project	Reviewer/s:		City/CIP/O&		
		Document:			50% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
						Backcheck Date		2/1/2020		
STRUCTIO	NS: Critical issues may have a sig	ınificant impact on rework, s	schedule, cost or risk an	d require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.					
				Daviewer		Ovinington			Basilassa	
		Critical		Reviewer Reference	T	Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
				3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,						,,,,,,,,,,
				Section A on S-110-						
				12RECYPS1, S-112-14B,						
				Sections B and C on S-302- 14HW3IS, Section A on S-						
				301-14HW3PS, Section C						
				on S-302-14HW3PS,						
				Section A on S-301-	Wall base construction joint change referenced detail change from 0315-154 to 0330-					
622	Craig Wilcox	Critical	-	14HW3GB, Section B and	005 and show hook dowels inward at the base of the walls for fixity and moment				Noted	
		Issue		C on S-302-14HW3GB, Section D and E on S-303-	resistance.					
				14HW3GB, Section F and						
				G on S-304-14HW3GB,						
				Section K on S-305-						
				14HW3GB, Section A on						
				S-301-14BLDG64, Section B on S-302-14BLDG64,						
				B 011 0 002 14BEB004,		Will review detailing.	Scoggins	10/17/2019		
623	Croig Wileov	Critical		Section A on S-110-14A	Verify with calculations that 4 inch depth of embedment is adequate for demand	,			Noted	
023	Craig Wilcox	Issue	-	Section A on 5-110-14A	moment/tension/shear and update as needed.	Will review	Scoggins	10/17/2019	Noted	
					Recommend adding construction joints at 20 feet on center each way and expansion joints at 100 feet on center each way to control cracking of these large placements of					
624	Craig Wilcox	Critical	_	Section A and B on C-301-	concrete slab in accordance with ACI 350 requirements. All construction joints and				Noted	
021	Craig Wiloox	Issue		14B	expansion joints are recommended to have water stops to prevent contaminated water				110.000	
					from leaking into the soil beneath.	Construction and expansion joints will be provided with 90% design	Chandler/Scoggins	10/14/2019		
625	Craig Wilcox	Critical	-	Section A and B on C-301- 14B	, , ,	Will consider, but is relative to joint spacing and cost difference in more joints versus		40/47/0040	Needs further review as design	
		Issue			arrest cracking. Groundwater buoyancy analysis is needed to determine the thickness and reinforcing of	added fiber.	Scoggins	10/17/2019	progresses	
626	Craig Wilcox	Critical Issue	-	Section A and B on C-301- 14B, C-501-14B	the slab to either resist the buoyant forces or add Pressure relief valves to prevent slab				Noted	
		issue		14B, C-301-14B	heaving from buoyancy.	Slab joints are not watertight.	Scoggins	10/17/2019		
007	One in Mile	Critical		Section A and B on C-301-	4 inch slab appears inadequate to resist any buoyancy and heavy truck traffic. Slab	Calculations for loading will be provided at 90%. Thinner than typical sections are			Needs further review as design	
627	Craig Wilcox	Issue	-	14B	may need to be much thicker with 2 curtains of reinforcing steel where trucks, loaders and buoyancy are present.	expected to perform adequately due to the low expected truck and loader frequency of use (expected to be 3-4 times per year).	Chandler/Scoggins	10/14/2019	progresses	
		0.77		0 11 1 0 001	At notch in bottom slab for screen the top reinforcing steel needs to have fully developed		Chandler/Geoggins	10/14/2013		
628	Craig Wilcox	Critical Issue	-	Section A on S-301- 14HW3IS	#8 straight bars each side of the notch just below the top of concrete at the notch area				Noted	
					that are then fully developed with the #8 bars that are interrupted.	Detailing will be better defined	Scoggins	10/17/2019		
629	Craig Wilcox	Critical Issue	-	14HW3IS	Do #5 @12" OC horiz in the walls meet ACI 350 reinforcing steel minimum requirements for environmental structures?	No. Will revise	Scoggins	10/17/2019	Noted	
620	Crain Wilesu	10000		Section D on S-302-	Recommend eliminating horizontal construction joint at EL 5.83 to eliminate WS, small		Jeogge	10/11/2010	Noted	
630	Craig Wilcox		-	14HW3IS	concrete placement and leakage potential.	Joints will be coordinated with design builder for constructability.	Scoggins	10/17/2019	Noted	
631	Craig Wilcox		-	Section E on S-303- 14HW3IS	Add reinforcing steel designations for the foundation concrete.	Will be provided	Scoggins	10/17/2019	Noted	
				141100313		Will discuss with corrosion engineer to provide corrosion resistant coating or update to	Scoggins	10/11/2019		
632	Craig Wilcox			S-120-14HW3PS	Suggest platform framing between grid lines 2 and 3 be Aluminum.	different material for exposure.			Noted	\$ 47,000
032	Craig Wilcox			3-120-14110031-3	Jouggest platform training between grid lines 2 and 3 be Aldminum.			10/0/0010	Noted	47,000
	+			Section A on S-301-	Eliminate Grid line 3 wall CJ's at Elevation -10.00 and Elevation -15.00 as these create	GMP Assumption: Include aluminum material.	Scoggins	12/6/2019		
633	Craig Wilcox	Critical	-		"pins" not transferring wall moments up and down vertically that will require revising the	These are construction joints with full continuity of reinforcing. Force transfer is same as			Noted	
	9	Issue		302-14HW3PS	reinforcing steel to much larger sizes and closer spacing.		Scoggins	10/17/2019		
		Critical			Recommend increasing reinforcing steel percentage from current 0.2% to greater than					
634	Craig Wilcox	Issue	-	S-110-14ODO	0.3% to comply with ACI 350 minimum steel requirements for slabs greater than 40 feet	Minimum reinforcing steel will be increased to provide minimum as required per ACI 350.	Scogging	10/17/2019	Noted	
					without joints and to mitigate shrinkage and temperature cracking. Size steel framing around deck opening as L 2x2x3/16 per Detail 0531-021 appears	330.	Scoggins	10/11/2019		
635	Craig Wilcox		-	S-122-14BLDG64	undersized.	Will be as required for capacity and serviceability	Scoggins	10/17/2019	Noted	
636	Craig Wilcox	Critical	-	S-122-14BLDG64	Indicate deck ledger detail 0531-001 is to occur at all walls (all 4 sides) and intermediate				Noted	
	-	Issue		Sections D and E on S-303	walls 0531-002.	Additional detail references and details will be provided for final design	Scoggins	10/17/2019		
637	Craig Wilcox	Critical	-	14BLDG64, Section F on S	Continue reinforcing steel across ramp concrete joints to avoid differential settlement				Noted	
	g	Issue		304-14BLDG64	vertical offsets creating trip and fall hazards.	Will add detail as design progresses	Scoggins	10/17/2019		
638	Craig Wilcox		-		Recommend all column ties be spaced at 6 inches on center for ductility during seismic	Ochonic and position to Time 1911		401/-15	Needs further review as design	
				14BLDG64 Specification 03 30 00	events and resistance to unbalanced moments from the beams above.	Columns are non-participating. Ties will be as required to meet ACI 318	Scoggins	10/17/2019	progresses	
				Cast-in-place Concrete,	Item C. 7. Cementitious material should also be using Type V cement in the concrete					
639	Craig Wilcox	Critical	-	Concrete Mix Design,	mixes (or Type II and V dual certified cement) due to both the corrosive nature of the				Needs further review as design	
		Issue		CLASS 5000F0S1W1C2	soils and the liquid contents to be contained/conveyed.				progresses	
				Supplement 2		Type V cement is not required for exposure conditions per ACI. Type II will be used.	Scoggins	10/17/2019		
				Specification 03 30 00 Cast-in-place Concrete,	Item C. 5. Cementitious material should also be using Type V cement in the concrete					
640	Craig Wilcox	Critical	-	Concrete Mix Design,	mixes (or Type II and V dual certified cement) due to both the corrosive nature of the				Needs further review as design	
-		Issue		<u> </u>	soils and the liquid contents to be contained/conveyed.				progresses	
				Supplement 1		Type V cement is not required for exposure conditions per ACI. Type II will be used.	Scoggins	10/17/2019		

	San José-Santa Clara Regional Wastewate	r Facility							Quality Review Form	
₹ 2'	Regional Wastewate	File Name:		QRF Log Backcheck By Cit	ty (2/1/2020)	Submittal Date:		10/9/2019)	
		Project Name:			Works Improvements Project	Reviewer/s:		City/CIP/O&		
		Document:		New Headworks Project - 6	60% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		7477/7701 2/1/2020		
STRUCTIO	DNS: Critical issues may have a sig	nificant impact on rework, s	schedule, cost or risk an	d require immediate resolution. All cor	mments need to be back-checked and approved by the reviewers.					
				Reviewer		Originator			Daviewer	
	T	Critical		Reference			Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
644	Craig Wileay	Critical		Specification 03 30 00	Page 8, Part 2.01 A. Should be using Type V cement in the concrete mixes (or Type II				Needs further review as design	
641	Craig Wilcox	Issue	-	Cast-in-place Concrete	and V dual certified cement) due to both the corrosive nature of the soils and the liquid contents to be contained/conveyed.	Type V cement is not required for exposure conditions per ACI. Type II will be used.	Scoggins	10/17/2019	progresses	
		Critical		Specification 03 30 00	Page 27, Part 3.09 F. Specify that liquid tightness testing is to occur prior to any	M	35			
642	Craig Wilcox	Issue	-	Cast-in-place Concrete	coatings or linings installation so the test is on the concrete and not the coating or lining	Indicated in item 6.b of that section.	Canadian	10/17/2019	Noted	
		0-111		0	Page 27, Part 3.09 F. 6. Specify that initial liquid filling of basins is to occur at the	indicated in item 6.0 of that Section.	Scoggins	10/17/2019		
643	Craig Wilcox	Critical Issue	-	Specification 03 30 00 Cast-in-place Concrete	maximum rate of 2 vertical feet per 24 hours so as not to wash out all the unhydrated	This is more stringent than required by ACI 350.1 and will not be included. Contractor is			Needs further review as design progresses	
		10000		Guet III piace Concrete	cement from cracks that can heal with the slow filling of the structures. Page 27, Part 3.09 F. 8. c. 1) Specify volume loss not to exceed 0.20 percent of	responsible for no visible leakage in accordance with that standard.	Scoggins	10/17/2019	p. 0g. 0000	
044	Oi Wil	Critical		Specification 03 30 00	contained liquid volume in 7 days after allowing the full volume to soak the basin being	This is more stringent than required by ACI 350.1 and will not be included. Contractor is			Needs further review as design	
644	Craig Wilcox	Issue	-	Cast-in-place Concrete	tested for 3 days. This more thorough testing will also typically produce a passing test	responsible for no visible leakage in accordance with that standard and reserves the			progresses	
					without retest for well placed and cured concrete. The architects/engineers of record shall stamp and sign each drawing as required by	option to allow additional submerged time where schedule permits.	Scoggins	10/17/2019		
645	Mike Cardellini	-	-	All Drawings	code, including each of the 8.5x11 standard details in Volume 5.	ok	Scoggins	10/17/2019	Noted	
					Please organize calculations to facilitate our review. Group calcs by building or project					
646	Mike Cardellini	-	-	Calculations	areas. Provide a table of contents. Provide a basis of design narrative for the various structural elements. Provide page numbers. Provide drawings references to connect				Noted	
					calculations to portions of the project they justify.	ok	Scoggins	10/17/2019		
647	Mike Cardellini	-	-		Provide public works' special inspection form with final submittals.	ok .	Scoggins	10/17/2019	Noted	
648	Mike Cardellini	-	-		Provide separate hard copy of geotechnical reports for review & filing	will coordinate with PM and project assistance to ensure delivery of hardcopies of report	Davis	10/16/19	Noted	
					For the various miscellaneous structural elements around the site, please provide a brie					
649	Mike Cardellini	-	-		explanation of any structural considerations. If any of the reinforced concrete is non- structural in nature, please identify this so we won't apply structural requirements during				Noted	
					plan review.	Will attempt to clarify	Scoggins	10/17/2019		
650	Mike Cardellini	-	-		S-110-11D is provided twice in the setsheets 173 and 189. The first one seems to be				Noted	
					a mistake. At the pie structure, please provide direction for the repairs of guardrails. Will these be	Will amend	Scoggins	10/17/2019		
651	Mike Cardellini	-	-		part of deferred submittals?	Will provide more information. Railing is also performance specified in documents	Scoggins	10/17/2019	Noted	
					Where the plug extends through the wall, and is cast up against existing concrete, we					
					recommend putting rebar each way on all exterior faces of new concrete. Being cast up				Needs further review as design	
652	Mike Cardellini	-	-	1/S-501-1P	against existing concrete is enough to provide shrinkage restraint which would trigger minimum shrinkage reinforcements in both directions. We recommend this be applied				progresses	
					throughout the project wherever concrete thickness exceeds 18 inches.	Will consider. This is not a structural criteria.	Scoggins	10/17/2019		
653	Mike Cardellini	-	-	A/S-110-1A	Provide missing info.	Will add detail as design progresses	Scoggins/Pieterick	10/17/2019	Noted	
654	Mike Cardellini	-	-	A/S-110-1B	Please confirm is this a 2'-0" thick wall without any reinforcement across the top?	Confirmed	Scoggins	10/17/2019		
655	Henry Zuo	-	65	HVAC Calculation	Where is the envelope heat gain of the Electrical Room?	Page 85, Table 1.1.B	Sackinger	10/17/2019	Noted	
656	Henry Zuo	-	66	HVAC Calculation	Any heat gains from envelope and through demise walls?	Envelope heat gains are calculated in the following section, pg 75. Ext walls are 922 Btu/hr. Partition is 431 Btu/hr.	Sackinger	10/17/2019	Noted	
657	Henry Zuo	_	71	HVAC Calculation	OA of 36 cfm is low and not sufficient for pressurization. Suggest 100 cfm or 20% OA				Needs further review as design	
007	Horry 200		7.1		damper position of rooftop unit.	Load calc accounts for 90 cfm OSA. This will be pulled off the IDEC unit in future. The project was directed to use 89/66 as design temperatures by the Architectural	Sackinger	10/17/2019	progresses Needs further review as design	
658	Henry Zuo	-	71	HVAC Calculation	OA temperature to be of 99.9% ASHRAE conditions, 100.7 deg F db / 68.3 wb	Design Guide, as documented in the BODR. No change planneed	Sackinger	10/17/2019	progresses	
659	Henry Zuo	_	74	HVAC Calculation	OA temperature to be of 99.9% ASHRAE conditions, 100.7 deg F db / 68.3 wb	The 2017 ASHRAE design temperature (0.4%) for nearby Moffett field is 88.1/65.5.			Needs further review as design	
	<u>, , , , , , , , , , , , , , , , , , , </u>				<u> </u>	Therefore 89/66 seems reasonable.	Sackinger	10/17/2019	progresses	
660	Henry Zuo	-	80	HVAC Calculation	How is 47.51 gpm water flow derived?	That would be the required flow if chilled water was used. Chilled water will not be used.	Sackinger	10/17/2019	Noted	
661	Henry Zuo	-	80	HVAC Calculation	Is the water flow from plant's 3W, Recycle Water, or 1W?	Neither. The software automatically includes a chilled water flow rate, even if no chilled	Cookinger	10/17/2012	Noted	
	1					water is used.	Sackinger	10/17/2019		
					a) Did you confirm satisfactory long term performance (in US installations) for all 3 of the specified manufacturers for <u>both</u> the screens <u>and</u> the compactor - installations of					
					equipment that are similar in size, bar spacing, service, etc. to this project.					
662	M Esquer	-	-	Spec 44_42_30 2.02.A.	b) You may want to reconsider specifying the screens and compactors as a package.	a) Huber, Kusters Water, and Enviro-Care make quality equipment. Huber has been			Noted	
					Some manufacturers make a good screen but not a good compactor, and vice versa. c) Many of the specified minimum thicknesses for screen components are less than	selected, and has strong presence in industry. b) agree, but Huber provides good				
					that provided by other top quality screen manufacturers.	screens and w-c's. Including the sluice completes the system and single-source responsibility. c) noted.	Youker	10/28/2019		
					Article 2.04.C.6 states that "a link system may be used" as an alternate to "chain	,	. Sultoi	10,20,2019		
000				Spec 44 42 30 2.04.C.6.	sprockets and roller chain." What is the link system?					
663	M Esquer	-	-	and 2.04.K.2.	Article 2.04.K.2 provides requirements for roller chain. I did not find any description of the "link system." For these type of screens, roller chain is typically used. Is a link	"A link system" was mistakenly carried over from another project which allowed Duperon			Noted	
					system used by one of the named manufacturers?	to bid. It was edited out of other parts.	Youker	10/28/2019		
664	M Esquer	_	_	Spec 44_42_30 2.04.K.2	Spec states that "roller type chain shall be made of hardened 400 stainless steel." Hube	or The Control of the			Noted	
	IVI ESQUEI			Opco 77_72_00 2.04.N.2	does not supply stainless steel rollers for their roller chain. They use polyamide rollers.	Agree. I saw that in their equipment proposal.	Youker	10/28/2019	Hotou	
665	M Esquer	-		Spec 44_42_30 2.05.D.4.		e In very rare case, screenings might accumulate at upstream end. But with sluice water	Verden	40/00/5=:-	Noted	
	·				upper end of the sluice?" Why would screenings need to be removed there? For the compactor wash water system, a single motorized valve is indicated. Typically,	source jetting in that end, not likely.	Youker	10/28/2019		
666	M Esquer		_	Spec 44_42_30 2.06.G.	multiple solenoid valves are provided at the wash water distribution manifold that are				Noted	
200	=04001			Dwg N-008-09	used to control wash water flow to the various locations in the compactor. These SVs	Agree that typically there are multiple solenoids. Will discuss with Huber. But a single	Voukor	10/20/2010		

300	San José-Santa Clara Regional Wastewater	Facility						(Quality Review Form	
2	8	File Name:		QRF Log Backcheck By City	y (2/1/2020)	Submittal Date	:	10/9/2019		
		Project Name:			works Improvements Project	Reviewer/s		City/CIP/O&	M	
	T	Document:		New Headworks Project - 6	0% Design Drawings and Specs City Backcheck	Project No.		7477/7701		
RUCTION	VS: Critical issues may have a sign	ificant impact on rework,	schedule, cost or risk and	d require immediate resolution. All com	nments need to be back-checked and approved by the reviewers.	Backcheck Date	e <u> </u>	2/1/2020		
		,	,							
	1			Reviewer		Originator			Reviewer	_
#	Reviewer	Critical Issue	Page Index	Reference Drawing, Specification,	Comments / Questions	Resolution / Response	Resolution Name	Date	Back-Checked & Approved	Cost 1,697,461
		issue		Spec 44_42_30 2.10			Name	Date	а другочец 3	1,097,401
667	M Esquer	-	-	Spec 40, 91, 01	Typically, controls for screens and compactors are included in their respective VCPs, with Start/Stop controls coming from the PCS to VCP.	Controls provided in plant SCADA controls.	Youker/Foley	10/28/2019	Noted	
668	M Esquer	-	-		Consider using differential level, rather than upstream level, to control screen operating speed. Higher operating speed is used to clean material from the screen faster, and differential level is a truer indication of screen blinding.	Agree. We've had conflicting direction on this topic. This control strategy can be refined in next phase of project.	Youker/Foley	10/28/2019	Needs further review as design progresses	
669	M Esquer	-	-	Spec 40_91_01 4.2	When a cleaning cycle begins, what stops the screens (e.g. level, time)?	Typically, screen will enter a cleaning cycle for a minimum time period. If the criteria to clean the screen has not been cleared, then the screen will continue to clean.	Youker/Foley	10/28/2019	Noted	
670	M Esquer	-	-	Spec 40_91_01 4.2	What happens if a screen fails?	Will add detail.	Youker/Foley	11/12/2019	Noted	
671	M Esquer	_	-	Spec 40_91_01	Multi-rake screens typically have an automatic reverse/anti-jam function. This function is		\	10/00/0010	Noted	
672	M Esquer	_	_	Spec 40_91_01	not currently included in the control strategy or equipment spec. It appears that the screenings compactors do not function in a "washing" mode. They	Coordination with Huber control strategy will occur during next phase of design.	Youker/Foley	10/28/2019	Noted	
	'			4.2	just run continuously in the forward direction when the sluice operates.	Will clarify Normally, only one pair is operating assumed the upstream pair. If a failure occurs of	Youker/Foley	11/12/2019		
673	M Esquer	-	-	4.2	Based on the capacity of the compactors, one compactor may have sufficient capacity to process the screenings, especially during dry weather. How would an operator select to operate only one of a pair?	the upstream pair, then the downstream pair would be put in service. Note: another commenter suggested an alternate arrangement of the w-c's such that more flexibility exists to choose which w-c is operating.	Youker/Foley	10/28/2019	Noted	
674	M Esquer	-	-	4.2	What happens if a compactor fails?	Will add detail.	Youker/Foley	11/12/2019	Noted	
375	M Esquer	-	-	Spec 40_91_01 4.2	What happens if there is a high level in the sluice?	There is an overflow to ahead of screens. There is also a high level alarm to notify condition.	Youker/Foley	10/28/2019	Noted	
676	M Esquer	-	-	4.4	What happens if a grit pump fails?	Will add detail.	Youker/Foley	11/12/2019	Noted	
677	M Esquer	-	-	Spec 40_91_01 4.4	What happens if a grit washer fails? If stirrer fails? If grit screw conveyor fails?	Will add detail.	Youker/Foley	11/12/2019	Noted	
678	M Esquer	-	-	4.4	Using the grit basin influent gates to "coarsely balance" flow split to the grit basins will likely not be very effective. However, the configuration of the pump discharge pipes into the grit basin influent channel will produce very uneven distribution of flow and solids to the grit basins and It may exceed the maximum hydraulic capacity of the HeadCells.	This was addressed in a previous QC comment. A wall is being added to better distribute the flow from the pumps.	Youker/Foley	11/12/2019	Provide CFD modeling memoranda and CFD model for review.	
679	M Esquer	-	-	Spec 40_91_01 4.4	The grit washer stirrer typically is not run continuously. Rather, it cycles on/off with timers.	Coordination with Huber control strategy will occur during next phase of design.	Youker/Foley	10/28/2019	Noted	
680	M Esquer	-	-	Spec 40_91_01 4.4 Spec 44_42_41 2.04.B.5.a. Dwg N-023-09	Grit level in the grit washer is typically measured with pressure sensor, not a level switch. P&ID and Spec 40_91_01 indicate Level Switch. Spec 44_42_41 indicates pressure probe. Coordinate the various documents.	Will coordinate	Youker/Foley	11/12/2019	Noted	
201	M Faguer			Spec 40_91_01	If a grit washer shuts down do to a LOW SPEED condition on the screw conveyor (or			,,	Drovide present central perretive	
881	M Esquer	-	<u>-</u>	4.4 Spec 40_91_01	other failures), what do the associated grit pump and grit tank do?	Will add detail in the process control descriptions to address this.	Youker/Foley	11/12/2019	Provide process control narrative.	
82	M Esquer	-	-	Spec 44_42_41	Typically, controls for the grit washer are included in a VCP with Start/Stop controls coming from the PCS to VCP.				Noted	
883	M Esquer	-	-	2.06. Spec 44_42_40 2.01.A.2.	Is there an "Or-equal" to HeadCell? Isn't this a sole source?	Controls provided in plant SCADA controls. We stated "or equal" to satisfy bidding requirements. Envirodyne makes a tray system, but hasn't been on market long, and inlet is different. We listed "or equal", and Huber proposed their GritWolf system, but we gave short consideration and moved on to Hydro International.	Youker/Foley Youker	10/28/2019	Noted	
684	M Esquer	-	-		Hydro International's Hydro Grit Cleanse is a very new product. Are there any existing successful operating installations?	We listed to satisfy bidding. Their installation list is very short, so HI was "penalized" during bid evaluation. In addition, they were higher bid than Huber. In the end, Huber product was selected.	Youker	10/28/2019	Noted	
885	M Esquer	-	-	Dwg N-006-09	Recommend providing Local/Field Jog Reverse switch and Start/Stop control.	Will review during 90% design. Per the first named manufacturer literature, this is not a standard feature.	Foley	10/28/2019	Needs further review as design progresses	
886	M Esquer	-	-		What is the purpose of the position switch (ZS) for the screen? Multirake screens do not typically have a "Home Position" switch.	This is the "Home" position that is included as part of the first named manufacturer.	Foley	10/28/2019	Noted	
887	M Esquer	-	<u>-</u>	Dwg N-008-09	For the compactor wash water system, a single motorized valve is indicated. Typically, multiple solenoid valves are provided at the wash water distribution manifold that are used to control wash water flow to the various locations in the compactor. These SVs are cycled on/off by the compactor VCP.	Design is per the manufacturers approval.	Youker/Foley	11/12/2019	Needs further review as design progresses	
888	M Esquer	-	-	Dwg S-111-14HW3IS	Provide access openings in deck at following locations: common screen influent channel, each screen channel upstream and downstream of screens, common screen effluent channel. Access is needed to inspect/maintain equipment, coatings, etc.	Will provide additional openings as discussed in workshops. GMP Assumption: Included 3 additional hatches or covered openings.	Scoggins	12/6/2019	Noted	
889	M Esquer	-	-	Dwg S-111-14HW3IS	What is the purpose of the checker plate behind the screen? It does not provide access. It should be eliminated and the concrete deck extended to the back of the screen.	Plating is provided to allow for additional space for screen installation and removal	Scoggins	10/28/2019	Noted	
90	M Esquer	-	-	Dwg D-100-14HW3IS	The configuration of the RS influent pipes entering into the small screen influent channel will produce very uneven distribution of flow and solids to the screens, especially if the center screen is operating. This will impact screen performance.	Per CFD model, the flow split is decent. As more material builds up on center screen, more flow passed through outer screen. Normally, there will be two screens in service. SOP could be to operate outer channels if it is an issue.	Youker	10/28/2019	Needs further review as design progresses, provide CFD model memo for review.	

San José-Santa Clara Regional Wastewater Facility			Quality Review Fo	rm
File Name:	QRF Log Backcheck By City (2/1/2020)	Submittal Date:	10/9/2019	
Project Name:	New Headworks and Headworks Improvements Project	Reviewer/s:	City/CIP/O&M	
Document:	New Headworks Project - 60% Design Drawings and Specs City Backcheck	Project No.:	7477/7701	
		Backcheck Date	2/1/2020	
TRUCTIONS: Critical issues may have a significant impact on rework, schedule, co.	st or risk and require immediate resolution. All comments need to be back-checked and approved by the reviewers.			
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•				Reviewer		Originator			Reviewer	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
		Issue		Drawing, Specification,			Name	Date	& Approved	\$ 1,697,40
					I agree with the comment that the stop plates may not be needed to isolate the influent					
004	M Farmer			D D. 400 441 IM/21C	gates because HW3 can be isolated and flow sent to HW2. The current configuration				Noted	
691	M Esquer	-	-	Dwg D-100-14HW3IS	creates a sizeable area in front of the gates in which grit can collect in front of closed				Noted	
					gates. This is especially true for the center channel which should be closed most of the time because of poor flow distribution (see previous comment).	Acknowledged. See previous responses.	Youker	10/28/2019		
					For the two level sensors (mounted in screen influent channel and screen effluent	Ackirowieugeu. Gee previous responses.	Toukei	10/20/2019		
692	M Esquer	_	-	Dwg D-111-14HW3IS	channel) I suggest moving the two sensors away from each other and try to select a	Will review. On influent, could move to either side of the large influent pipe. On			Needs further review as design	
002	20440.			2.19 2	location that will have minimal surface turbulence to get a good measurement.	effluent, we could put a couple feet between them.	Youker	10/28/2019	progresses	
					Confirm the proposed compactor layout with Huber. They typically will not provide a 90				Needs further review as design	
693	M Esquer	-	-	Dwg D-112-14HW3IS	degree elbow connected to the compactor. They require a 45 degree elbow.	Will review with them.	Youker	10/28/2019	progresses	
00.4	M 5			D D. 440, 441 IM/010	Make sure you size the screenings winch large enough to be able to move an almost full					l e e
694	M Esquer	-	-	Dwg D-112-14HW3IS	bin.	Have increased the size from 30%.	Youker	10/28/2019	Noted	
					What is the point of the single foul air drawoff point at the west bin? A single point won't	Each bin is provided with an 8-inch foul air duct extraction point suitable for connecting				
695	M Esquer	_	_	Dwg D-112-14HW3IS	do anything. If it is a connection for a future cover, how will that work for a bin that must	a flexible duct. The bin cover can be retrofit with an 8-inch nozzle for connecting the flex			Needs further review as design	
000	20440.			2.19 2 1.12 1 6.0	be moved to be filled?	ducting to it for ensuring odor containment. The flexible ducting allows for the bin to be			progresses	
						moved without compromising odor containment.	Youker/Cowden	10/18/19		
696	M Esquer	-	-	Dwg D-301-14HW3IS	Show Finished Grade on section.	Don't typically show finish grade on mechanical sections, but will add.	Youker	10/28/2019		
697	M Esquer	-	-	Dwg D-302-14HW3IS	Show Finished Grade on section.	Don't typically show finish grade on mechanical sections, but will add.	Youker	10/28/2019	INOTEG	
698	M Esquer	-	-	Dwg D-301-14HW3IS	Consider providing catwalk/access platform for sluice and/or sluice valves and gate	PMs have requested the addition of maintenance platforms.	Youker	10/28/2019	Noted	1
	+	1			which are 10 above the floor in compactor area. The configuration of the pump discharge pipes into the grit basin influent channel will	During a "normal" day, flows will range from 60 mgd to 150 mgd. So expect that 3 or 4	i oukei	10/20/2019		
					produce very uneven distribution of flow and solids to the grit basins. This may result in	grit basins will be in service all the time, and raw sewage pump operation will vary from				1
699	M Esquer	_	_	Dwg D-101-14HW3GB, D-	exceeding the maximum hydraulic capacity of the HeadCells. The proposed method to	1 to 3 pumps. In addition, we intend to perform a CFD evaluation of influent channel.			Needs further review as design	
000	20440.			102-14HW3GB,	"coarsely balance" flow split to the grit basins using the grit basin influent gates will likely				progresses	
					not be very effective.	split happen with no tools available.	Youker	10/28/2019		1
700	M Famuer		_	Dura D 420 441 IM/20D	·				Needs further review as design	
700	M Esquer	-	-	Dwg D-120-14HW3GB	Consider providing access platform around grit washers to access top of tank.	Will review with Project Management.	Youker	10/28/2019	progresses	
701	M Esquer	-	-	Dwg D-301-14HW3GB	Show Finished Grade on sections.	Don't typically show finish grade on mechanical sections, but will add.	Youker	10/28/2019		
702	M Esquer	-	-	Dwg D-302-14HW3GB	Show Finished Grade on sections.	Don't typically show finish grade on mechanical sections, but will add.	Youker	10/28/2019		
					Consistency in naming and searching: sheet 146 specifies 14SCP9521-01 /-02 for the					1
703	M. Jones	-	-	N-008-09 / sheet 146	entire compactor, it would be good to identify the motor. CMMS uses DRU as in	We can change but it is unclear if this is a directive to change. Please clarify. Motors	Wassisan/Falass	44/40/0040	Name motors, discuss with City	1
					"12DRU1361" for "Rag Press 1 (North) Drive Unit.	are not named for all equipment.	Youker/Foley	11/12/2019		
704	M. Jones			N-009-09 / sheet 147	Consistency in naming and searching: sheet 147 specifies 14SCP9521-03 /-04 for the entire compactor, it would be good to identify the motor. CMMS uses DRU as in	We can change but it is unclear if this is a directive to change. Please clarify. Motors			Name motors, discuss with City	
704	W. Jones	_	-	11-009-09 / Sileet 14/	"12DRU1361" for "Rag Press 1 (North) Drive Unit.	are not named for all equipment.	Youker/Foley	11/12/2019		1
				D-112-14HW3IS /Sheet	Consistency in naming and searching: sheet 232 uses 14SCP9521-01-02/-03/-04 for the		Touker/Toley	11/12/2013		
705	M. Jones	-	-	232	entire compactor, it would be good to identify the motor	are not named for all equipment.	Youker/Foley	11/12/2019	Name motors, discuss with City	1
700	M. Janes			N-022-09 thru N-027-09 /	Consistency in possing, evisting self-electificate use CCER, describe uses CCER	· ·	•		Name material discuss with City	
706	M. Jones	-	-	sheet 156 - 161	Consistency in naming: existing grit classifiers use CSFR, drawing uses GSFR	We can change but it is unclear if this is a directive to change. Please clarify.	Youker/Foley	11/12/2019	Name motors, discuss with City	
707	M. Jones	_	_	N-034-09 / sheet 165	Un-named equipment: we identify basket strainers as they usually require periodic	Dilip is reviewing with City. Please provide clear direction for any equipment that must			Noted	
101	W. GOTICS			14 004 007 311001 100	cleaning (existing strainers use FLTR)	have a tag name and number added to them.	Youker/Foley	11/12/2019		
708	M. Jones	-	-	N-039-09 / sheet 168	Consistency in naming: existing fire alarm control panels use LCP, drawing uses FACP		V 1 /= 1	4440/0040	Needs further review as design	1
				C 440 42DECVDC4 / sheet		Please confirm if this is directive to make a change.	Youker/Foley	11/12/2019	progresses	
709	M. Jones	-	-	S-110-12RECYPS1 / sheet	Recycle Pump Sta 1 is in area 14 not 12, rename the sheet?	Will review and update	Songgins	10/28/2019	Noted	
				S-110-12RECVPS1 / sheet	•	vviii review and update	Scoggins	10/20/2019		
710	M. Jones	-	-	202	Recycle Pump Sta 1 is in area 14 not 12, rename the sheet?	Will review and update	Scoggins	10/28/2019	Noted	
				S-110-12RECYPS1 / sheet	t	TYTH TO VION and apacito	Cooggino	10/20/2010		
711	M. Jones	-	-	203	Recycle Pump Sta 1 is in area 14 not 12, rename the sheet?	Will review and update	Scoggins	10/28/2019	Noted	1
					Manholes must comply CPC 719.6 (inlet and outlet connections shall be made by use of	f				
712	J. Carvallo	-	-	=	a flexible compression joint not less than 12 inches and not exceeding 3 feet). Please				Noted	1
					provide details on plans. Y-101-07	Agree, will update plans	Chandler	10/28/2019		
713	J. Carvallo	1 ₋ T	-	_	3" SS connection to 18" pipe on Y-101-07 should be made by wye branch not tee. Must				Noted	
					be directional fitting. Please revise and provide details on plans.	Agree, will update plans	Chandler	10/28/2019		
714	J. Carvallo	_	-	-	Water should be above sewer on y-101-07. Please clarify.	Water is typically installed above sewer piping. Will verify pipe design maintains that			Noted	1
		+ +			· · · · · ·	intent. Standard legand located on G-010-01. Additional keynotes to be provided at 90% to	Chandler	10/28/2019		
715	J. Carvallo	-	-	=	Provide notes or legend of what's being done on each page.	Standard legend located on G-010-01. Additional keynotes to be provided at 90% to further detail design.	Chandler	10/28/2019	Noted	1
716	J. Carvallo	_		-	Please label water pipes as per CPC 601.3	Agree, will update plans	Chandler	10/28/2019		
717	J. Carvallo		-	-	Provide elevation and slope for all gravity drain piping.	Agree, will update plans	Chandler	10/28/2019		
		1				V / F				
718	J. Carvallo	-	-	-	Provide meaning of x inside diamond note (Y drawings).	X represents place holder for coordinate tables to be completed at 90% design phase	Chandler	10/28/2019	Noted	1
719	J. Carvallo	-	-	-	Provide manhole details. (of pump systems and regular).	Agree, will update plans	Chandler	10/28/2019	Noted	
720	J. Carvallo	-	-	=	Could not find pages X-120-2D or D-120-2D	Will update drawing reference for 90%	Chandler	10/28/2019		
721	J. Carvallo	-	-	-	Provide details of how you will label buried air pipes and water pipes.	Will update labels at 90%	Chandler	10/28/2019	Noted	
722	J. Carvallo			_	What's the 8" PD pipe on Y-106-07 and Y-107-07 that's being attached to recycled				Noted	
				_	pump #4? Please provide information.	8" PD is discharge piping from Recycle PS to EBOS.	Chandler	10/28/2019		
723	J. Carvallo	-	-	-	Please label detail page on Y pages for pumps etc.	Additional labels to be provided at 90%	Chandler	10/28/2019	Noted	
					Building on page P-100-14HW3GB (please label building). What type of machinery is					
70 :					being install and type of waste going onto floor drains? Also, is it process pipping? If not,				Marad	
724	J. Carvallo	-	-	=	please meet the plumbing code- must provide traps, vents, trap primers, etc. as per code or explain if it's storm or reason for not putting on traps, etc. Show connection from	Will label. This is the Crit Rump College and all drainess in the process. No trainers			Noted	
							Sackinger	10/20/2010		
	I	1		İ	pump to termination.	vents required.	Sackinger	10/28/2019		4

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	San José-Santa Clara Regional Wastewate	F 78.							Quality Review Form	
₹57	Regional Wastewate			T			1			
		File Name:		QRF Log Backcheck By Cit		Submittal Date:		10/9/2019 City/CID/O8		
		Project Name: Document:			works Improvements Project 10% Design Drawings and Specs City Backcheck	Reviewer/s: Project No.:		City/CIP/O& 7477/7701		
		Document		TVCW T TCddworks T Tojcct C	070 Besign Brawnings and Opees Ony Backeneek	Backcheck Date		2/1/2020		
STRUCTIO	NS: Critical issues may have a sig	nificant impact on rework, s	schedule, cost or risk an	d require immediate resolution. All cor	nments need to be back-checked and approved by the reviewers.					
		Critical		Reviewer Reference		Originator	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
					Page P-120-14HW3GB. Label plumbing as roof or deck drain. Also, What's the area					
725	J. Carvallo	-	-	-	being drained to each of the roof/deck drain. The deck drain termination must no impede any walkway.	t Flow Stream is "FD" for "floor drain". Goes to splash blocks but all site drainage goes to process. Section shows this is out of the way.	Sackinger	10/28/2019	Noted	
726	J. Carvallo	-	-	-	Provide details of sump on page P-100-14HW3GB	Will reference the process drawings.	Sackinger	10/28/2019	Noted	
727	J. Carvallo	-	-	-	Show minimum required distance from side of sink to wall on page A-401-14BLDG64	This appears to be an accessibility question although CBC does not ask for the clear dimension between the sink and the wall. The dimension provided is for construction to ensure that plumbing stub-ups could be accurately placed in the floor. Title 24 requires that a clear floor area 30 wide centered on the Lavatory be maintained (no obstacles within 9" of the centerline). The plan shows 2'-6" from centerline of sink to the CMU. The wall is 4" thick the Waste receptacle is 8 inches deep so the clear space from the center line to the nearest obstacle is 1'-6". (twice what is required for accessibility.	Pieterick	10/28/2019	Need to discuss further with SECI	
728	J. Carvallo	-	-	-	Explain why there's no urinal on electrical building? Provide exception.	The code does not require a urinal and it seemed wasteful to put a urinal in a single occupant unisex toilet room. The electrical building is a normally un-occupied building. A single unisex toilet is being provided to accommodate plant staff that may come to this area of the plant to service the equipment. The code does not require anything more.	Pieterick	10/28/2019	Need to discuss further with SECI	
729	J. Carvallo	-	-	-	Show CFM for supplies at janitor room and bathroom on page M-112-14BLDG64	Will do.	Sackinger	10/28/2019		
730	J. Carvallo	-	-	-	Provide schedule for fire dampers	A schedule is usually not necessary.	Sackinger	10/28/2019	Schedule required, please provide.	
731	J. Carvallo	-	-	-	Provide title 24 mechanical sheets.	Will do.	Sackinger	10/28/2019		
732	J. Carvallo	-	-	-	What's FL exhaust on battery room?	Will say "Floor Exhaust" and reference detail.	Sackinger	10/28/2019	Noted	
733	J. Carvallo	-	-	-	Page P-102-14BLDG64. Drain in lower level must have traps, trap primers, vents and slope of 2% for 3". Also, pumped system must be as short as possible. Discharge line back water valve and gate valve must be 3" as per CPC 710.3 and should be installed as close to the pump as possible. Or explain why is being done indirect. Provide spect for all ejector pumps. No flat venting allowed (CPC 905.03) unless structural condition exists. Please modifications are considered as the condition of the con	s, d s CPC 710.3 does not apply because sewage is not being drained. Sump pump is spec'd in section 22 30 00 Plumbing Equipment.	Sackinger	10/28/2019	Need to discuss further with SECI	
734	J. Carvallo	-	-	-	isometric drawing and plan view.	Will do.	Sackinger	10/28/2019	Noted	
735	J. Carvallo	-	-	-	Water going to HVAC unit on roof must be protected. Please show on plans. Afte device, water must be labeled industrial water.	or Potable water is provided to the roof. It is protected by an air gap at the equipment, and a vacuum breaker at the hose bib.	Sackinger	10/28/2019	Show on drawing.	
736	J. Carvallo	-	-	-	All floor drains to have trap primers (hard drawn) as per CPC 1007.1	All tagged with a "P" suffix will be primed. CPC 1007.1 does not require copper, and PEX tubing is seen as a tougher, cheaper, and more corrosion resistant option.	Sackinger	10/28/2019	Needs further review as design progresses	
737	O&M			General	Septage station needs rock trap and containment curbs	Per client meeting 10/22/2019, individual rock traps are to be added at each HW3			Noted	
738	O&M			General	Need access platforms to screens, sluiceway, washer compactors, grit classifiers and	septage receiving lane. PM has provided direction to provide maintenance access in screens area, but not grit	Chandler	10/28/2019	Noted	
					diverter chutes Need overflow sluiceway for when the screening conveyor is out of service, may need	washer area.	Youker	10/28/2019		
739	O&M			General	wet bin as well	Will develop an easy method to divert sluice way into wet bin.	Youker	10/28/2019	Noted	
740	O&M			General	EOB design needs review - concrete thickness seems inadequate	Additional design to be performed at 90%	Chandler	10/28/2019	Noted	
741	O&M			General	May need additional stop plates and guides to allow isolation for gates and screens	1) stop plates not included in scope. Intent is to provide a slot so that a stop plate could be fabricated when required to be used. Therefore, gate locker not included. If stop plates to be added to scope, provide direction. 2) Downstream stop plate slots intentional left out. Downstream gate rarely used, normally open. If maintenance of downstream gate required, use HW 2. Downstream slots can be added. Provide direction.	Youker	10/28/2019	Needs further review as design progresses	
742	O&M			General	Explain how easy it is to remove equipment of the grit room basement?	Pump components can be placed on pallet, moved under monorail, and lifted up to grade/landing. From landing can move out to truck.	Youker	10/28/2019	Difficult, but workable. May need further review as design progresses	
743	O&M			General	Need access hatches at various locations on HW3 to allow for access	Locations will be added per discussion at 10/22 meeting GMP Assumption: Include additional hatches or covered openings.	Scoggins	12/6/2019	Noted	\$ 20,000
744	O&M			General	Need access entry points for the 96" RS	Per client meeting 10/22/2019, access points will be added at approximately the 1/3 and 2/3 points along the 96" RS pipeline	Chandler	10/28/2019	Noted	
745	O&M			General	What are the structures that will be hydraulically leak tested at the project?	All new water holding basins.	Scoggins	10/28/2019	Noted	
					Why is the septage being routed to an open tank, EBOS? This will cause odor issues in	Per client direction Septage Receiving is to be tied into EBOS so that the septage lanes			Needs further review as design	
746	O&M			General	the future, and the EBOS will have to be covered. Can the septage be tied into a MH downstream of EBOS and to HW3?	can be used if HW3 is offline and flow is routed to HW2. 90* vertical elbow inside EBOS can be added to keep septage pipe submerged and reduce odors.	Chandler/Cowden	10/28/2019	progresses	
747	O&M			General	can the screenings conveyor be fitted with dual blades to avoid jamming?	Will discuss with Huber, but do not believe that is option.	Youker	10/28/2019	Needs further review as design progresses	
748	O&M			General	CA structure sampling plan does not contain details for approval	Sampler design details will be added at 90%	White	10/28/2019		
749	O&M			General	Discuss size of gates required for isolation, and provide some information on gate "lockers"	isolation gates in front of influent screens are 2feet taller than normal maximum level. If a major equipment failure occurs, water level rises, and can go over top of gate. See response to 741 regarding gate locker.	Youker	10/28/2019	Noted	
750	O&M			City	Develop and describe control strategy for HW2/HW3 operation prior to signing the GMP.	The flow split has been discussed and preliminary replica modeling has been done to confirm the general concept is feasible. This details of the flow split and detailed process control narratives will be completed post 60% during the final design phase.	Youker/Foley	11/14/2019	Provide a draft and final Replica model calibration for review	
_										_

Sa	an José	-Santa Clara I Wastewater Fa	ailie.							Quality Review Form	
€57 K	egiona	i wastewater Fa	File Name:		QRF Log Backcheck By Cit	5. /2/4/2020)	Cubmittel Dete-		10/0/2010		
			Project Name:			y (2/1/2020) works Improvements Project	Submittal Date: Reviewer/s:		10/9/2019 City/CIP/O&I	M	
			Document:			60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
							Backcheck Date		2/1/2020		
TRUCTIONS:	: Critical iss	sues may have a significa	ant impact on rework	k, schedule, cost or risk and	d require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.					
					Reviewer		Originator			Reviewer	
#		Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Back-Checked	Cost
			Issue		Drawing, Specification,		,	Name	Date	& Approved	\$ 1,697,461
751 J.	. Au		-	-	Network Switches and Cat6 cable colors:	For the Modbus TCP networks (Unmanaged Switches): the FIRST network switch, have to take "Hirschmann SPIDER II 16TX 2DS-S EEC"; or "RS30-24020606SDAEHH" if you need more ports Need TWO Hirschmann SFPs (M-SFP-MX_LC_EEC) Other network switches can be: Hirschmann SPIDER II 8TX 1FX, SPIDER II 16TX EEC Modbus TCP to Modbus Serial converter: MOXA MGate_MB3270_3270I_QIG_v3				Noted	
752 J.	. Au		-	-	For the "800xA" and the "Control" networks (Managed Switches):	Network Cat6 cable color of Modbus network is "White" For the "800xA" and the "Control" networks (Managed Switches): Network switches can be: Hirschmann RS30-0802O6O6SDAEHH, RS30-1602O6O6SDAEHH, RS30-2402O6O6SDAEHH, RS40-0009CCCCSDHEHH network Cat6 cable color of 800xA-1 is "Purple" network Cat6 cable color of 800xA-2 is "Red" network Cat6 cable color of Ctrl-1 is "Yellow" network Cat6 cable color of Ctrl-2 is "Green"		Foley	11/4/2019	Noted	
750	Δ				HPC50 Modbus TCP	Default Gateway of all Modbus devices: 10.50.0.1				Marad	
753 J.	. Au		-	-	Network:	Modbus device IP Range: 10.50.0.101 10.50.0.254 Subnet Mask: 255.255. 252. 0	Will review during 90% design.	Foley	11/4/2019	Noted	
754 J.	. Au		-	-	For the IP addresses for HW3:	For HPC50 - HPC Control Net IP (Team NIC) 192.168.1.50; Subnet Mask 255.255.255.0; Primary; HPC Modbus IP- 10.50.0.90, 255.255.252.0; All other Modus TCP Devices - Device 1: 10.50.0.101, 255.255.252.0 For HPC51 -				Noted	
						HPC Control Net IP (Team NIC) 192.168.1.51; Subnet Mask 255.255.255.0; Redundant HPC Modbus IP- 10.50.0.91, 255.255.252.0; All other Modus TCP Devices - Device 1: 10.50.0.102, 255.255.252.0 Default Gateway - 10.50.0.1	Will review during 90% design.	Foley	11/4/2019		
755 J.				THE 30% QR	Color List	See "Sample Cabinet Profibus Start Topology.pdf"	Will review during 90% design.	Foley	11/4/2019	Noted	
INKES	JLVEI		I S FROIVI		.F	Odor Study should be referenced as 2015 CIP Program Study 3 Odor and Corrosion					
1		PW	Dan Peters	Appendix B	÷	Control Study	Done	Saunders	3/8/2019	Not done	
2		CDM	Ed Fernbach	Drawing	G-080-01	See attached markups	The comments will be incorporated as appropriate. Yes, does city staff have criteria for returning flow from EOB?	White	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
3		CDM	Ed Fernbach	Drawing	G-090-01	See attached markups	Will incorporate comments.	White	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
4		CDM	Ed Fernbach	Drawing	G-100-01	See attached markups	Note: This drawing is called "Design Information". This was a means of communicating some design calculations that were asked. As project moves forward, this drawing will be reduced and simplified to a normal Design Criteria dwg.	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
5		CDM	Ed Fernbach	Drawing	G-120-01	See attached markups	Grit Return will be added. The pipe time for Grit is under review. The response is covered in a different review comment.	Edwards	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
6		CDM	Ed Fernbach	Drawing	C-100-05	See attached markups	Responses provided in attached markups.	Chandler	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
7		CDM	Ed Fernbach	Drawing	Y-100-07	See attached markups	Responses provided in attached markup.	Chandler	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	

	San José-Santa Clara Regional Wastewate	A							Quality Review Form	
₹57	Regional Wastewate	File Name:		QRF Log Backcheck By Cit	by (2/4/2020)	Submittal Date:		10/9/2019		
		Project Name:		New Headworks and Heady	works Improvements Project	Reviewer/s:	(City/CIP/O&		
	I	Document:		New Headworks Project - 6	60% Design Drawings and Specs City Backcheck	Project No.: Backcheck Date		7477/7701 2/1/2020		
STRUCTION	 \S: Critical issues may have a si	gnificant impact on rework, s	chedule, cost or risk and	 d require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.	Backcheck Date		2/1/2020		
				Reviewer		Originator			Bardaman	
#	Reviewer	Critical	Page Index	Reference	Comments / Questions	Resolution / Response	Resolution		Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
8	СДМ	Ed Fernbach	Drawing	E-100-08	See attached markups	There will be detailed area site plans provided in future deliverables for more clarity. Overall site plan shall remain as is.	Tom	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
9	CDM	Ed Fernbach	Drawing	E-701-08	See attached markups	MV feeders will be in same concrete encased duct bank but will go to different handholes for fault isolation per Nelso. Pump size is still being discussed and will be coordinated.	Tom	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
10	CDM	Ed Fernbach	Drawing	N-001-09	See attached markups	See responses on drawings	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
11	CDM	Ed Fernbach	Drawing	N-002-09	See attached markups	See responses on drawings	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
12	CDM	Ed Fernbach	Drawing	N-004-09	See attached markups	See responses on markups	·	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
13	CDM	Ed Fernbach	Drawing	N-005-09	See attached markups	See responses in markup.	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
14	CDM	Ed Fernbach	Drawing	N-006-09	See attached markups	See responses in markup.	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
15	CDM	Ed Fernbach	Drawing	N-007-09	See attached markups	See responses in markup		3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
16	CDM	Ed Fernbach	Drawing	N-008-09	See attached markups	See responses in markup.	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
17	CDM	Ed Fernbach	Drawing	N-011-09	See attached markups	See responses in markup.	·	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
18	CDM	Ed Fernbach	Drawing	N-017-09	See attached markups	See responses in markup.	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
19	CDM	Ed Fernbach	Drawing	N-018-09	See attached markups	See responses in markun	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	

See responses in markup.

Foley

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		Document:			60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
						Backcheck Date		2/1/2020		
NSTRUCTIONS:	Critical issues may have a sign	ificant impact on rework	k, schedule, cost or risk and	require immediate resolution. All coi	mments need to be back-checked and approved by the reviewers.					
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		Issue		Drawing, Specification,		_	Name	Date	фр. с. с.	\$ 1,697,461
20	СДМ	Ed Fernbach	Drawing	N-025-09	See attached markups	See responses in markup.	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
21	СДМ	Ed Fernbach	Drawing	N-026-09	See attached markups	See responses in markup.	Foley	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
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23	CDM	Ed Fernbach	Drawing	R-001-05	See attached markups	Odor control location has been moved.	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
24	СДМ	Ed Fernbach	Drawing	R-003-05	See attached markups	Connection to wetwell will be below El 13, and above normal high water level. Flap valve used to prevent backflow out. 2) Can reduce channel length and rely on headloss to distribute flow.	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
25	СДМ	Ed Fernbach	Drawing	R-004-05	See attached markups	Comment not applicable to new configuration	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
26	СДМ	Ed Fernbach	Drawing	R-001-14HW3	See attached markups	Will develop OA duct routing; 2) Can include stop plate guides but is a change in scope. City to provide direction if a change is to be made. 3) stair tower access to grit pumps not applicable to new configuration	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
27	CDM	Ed Fernbach	Drawing	R-002-14HW3	See attached markups	meter pit removed; 2) pump discharge pipe revised; 3) will attempt to standardize channel widths	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
28	CDM	Ed Fernbach	Drawing	R-003-14HW3	See attached markups	Moved grit washers closer together.	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
29	CDM	Ed Fernbach	Drawing	R-004-14HW3	See attached markups	Need direction on how much maintenance platform to add around screens (platforms not in cost?); 2) Isolation gates are graphic placeholder, but good point on height.	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
30	CDM	Ed Fernbach	Drawing	R-008-14HW3	See attached markups	Headcell drain: Intend to see if Grit Pump can pump back to RS Wetwell, so would require alternate discharge pipe routing	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
31	CDM	Ed Fernbach	Drawing	R-012-14HW3	See attached markups	Will not be able to slope down and have OA above grade - will block access to EOB. Will have other means of removing condensation.	Youker	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	
32	CDM	Ed Fernbach	Аррх А		See attached markups	Grit Return will be added. The pipe time for Grit is under review. The response is covered in a different review comment.	Maestri	3/8/2019	E. Fernbach's comments from the 30% design drawings/specs have not been addressed. Jacobs should address these issues during the 30-60% phase.	

	<mark>San José-Santa Clara</mark> Regional Wastewater	e m.							Quality Review Form	
₹51	Regional Wastewater	File Name:		QRF Log Backcheck By Ci	h./2/4/2020)	Cultural to Land		10/0/2010		
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		Document:			60% Design Drawings and Specs City Backcheck	Project No.:		7477/7701		
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#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$ 1,697,461
33	CDM	John Gallegos	Аррх F		Include date of submission to client for tracking purposes, or will this be tracked on separate report?	is this the date a particular item is submitted or the file?	Maestri	3/8/2019	Tracking the approvals and reviews during the process to insure buy-in from all groups affected for maintaining of plant operations prior to critical tie-ins.	
ther It	ems Identified dur	ing 60% Des	ign Review a	nd 60% Estimate F	ı Review	is the date a particular item is submitted of the ine:	iviaestii			
7(1101 11			igii itoviow a		(CVICI)	Driven by permitting				
Supp01	10/22 workshop decision				Add another pump station to capture all stormwater flows from new impervious surfaces and return to headworks.	GMP Assumption: Direction from City - Include piping, storm drainage structures and pumps within EBOS. Exclude pump station structure.		12/6/2019	Continue discussion with City during 60%-90% phase	\$ 475,000
Supp02	10/22 workshop decision				Update design to have a 1.5-in washdown hose bib at each septage receiving station, rock traps at each lane openings, pad for small dumpster for septage drivers to empty rock traps into, and require hauler to empty and dump into the bin.	GMP Assumption: Include scope change.		12/6/2019	Continue discussion with City during 60%-90% phase	\$ 41,000
Supp03	10/22 workshop decision				Move septage lanes to north to provide pipe run to EBOS and add "Do Not Enter" signs to north end of lanes and directional arrows to control traffic flow through septage receiving lanes.	GMP Assumption: Assume scope tradeoff by moving location, no additional scope included.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp04	10/22 workshop decision				Raise pavement grade around east end of Influent Screening to match pavement grade to top of deck elevation for better access on that side of the structure.	GMP Assumption: Assume no scope change.			Continue discussion with City during 60%-90% phase	
Supp05	10/22 workshop decision				Move the RW fill station so that it is not in the way of the access road.	GMP Assumption: Do not move location. Protect with bollards.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp06	10/22 workshop decision				Eliminate 48" Santa Clara jumper line from HW2 and any work on the HW2 septage receiving from the scope.	GMP Assumption: Removed.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp07	10/22 workshop decision				Return to the previous design of routing S Milpitas to EBOS Compartment C so that once interceptor 1 is routed there, they both come together as one line from Zanker Rd	GMP Assumption: Use 30% Design concept.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp08	10/22 workshop decision				Confirm with the hydraulic model if this new design can work and review other options to allow for Compartment B to be isolated in the future.	Action Item/Design Change GMP Assumption: Utilize sketch provided by City.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp09	10/22 workshop decision				Review all gates and provide a means to isolate gates for maintenance without shutting down the entire facility. Provide gate locker and stop plates as required to allow for isolation. Provide as many as required to isolate one gate at a time. Philosophy will be to have stop gates/guides on either end of the screens to be able to isolate each channel.	GMP Assumption: Included in Item #230.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp10	10/22 workshop decision				Add platform to allow maintenance access to the top of the screens.	GMP Assumption: Included in Item #253.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp11	10/22 workshop decision				Extend the existing sluice opening out to the driveways so that an extra wet bin can be added in extreme wet weather conditions. Provide means for liquid from the bin to get into the drain.	GMP Assumption: Included in Item #255.		12/6/2019	Continue discussion with City during 60%-90% phase	
Supp12	10/22 workshop decision				Provide a way to pull the sump pumps out of the pit in the basement. Confirm equipment can be removed from the basement easily.	GMP Assumption: Include hoist and bracket.		12/6/2019	Continue discussion with City during 60%-90% phase	\$ 2,500
Supp13	10/22 workshop decision				Raise height of the compactors canopy to allow for boom truck to be located under it.	GMP Assumption: Do not change scope.		12/6/2019	Continue discussion with City during 60%-90% phase	
• • • • • • • • • • • • • • • • • • • •	10/22 workshop decision				Move the RPS valves to above ground and add bollards around them. Provide a ships ladder on the outside of the electrical building, instead of a ladder from	GMP Assumption: Assume scope is tradeoff. Move items above grade.		12/6/2019	Continue discussion with City during 60%-90% phase	
	10/22 workshop decision				inside the hall.	GMP Assumption: Included in Item #219.		12/6/2019	Continue discussion with City during 60%-90% phase Continue discussion with City	
	10/22 workshop decision				Add cage to odor control ladder.	GMP Assumption: Assumed included with Odor Control equipment bid adjustment.		12/6/2019	during 60%-90% phase Continue discussion with City	
•••	10/22 workshop decision 10/21 workshop decision				Remove air receiver from design. Cost estimate will need to be updated to reflect more significant fiber replacement than	GMP Assumption: Include scope change.			during 60%-90% phase Continue discussion with City	\$ 100,000
	60% internal review comme	nt			shown in the 60%. Temporary electrical service needs to be 1200A to accommodate the crane power	GMP Assumption: Include scope change. GMP Assumption: Include scope change.			during 60%-90% phase Continue discussion with City	\$ 100,000
	10/30 Meeting				needs. Redesign Grit Facility to move pumps under channel. (Cost for design and cost	GMP Assumption: Do not change scope.			during 60%-90% phase Continue discussion with City	\$ -
	Verbal City Comment				estimating. Construction savings unknown until design is redone.) May need to stabalize stockpile during time if inactivity.	GMP Assumption: Include general contractor approach.			during 60%-90% phase Continue discussion with City during 60%-90% phase	
	Verbal City Comment				City may seek to replace fencing south of Ferric in lieu of relocate existing fence.	GMP Assumption: Include scope change.			Continue discussion with City during 60%-90% phase	\$ 38,400
Supp23	Verbal City Comment				Valley gutters may be City preference for valley lines at new HW3 paving.	GMP Assumption: Include scope change.			Continue discussion with City during 60%-90% phase	\$ 14,400
Supp24	Jacobs Internal QC Comme	nt			Add VFDs to grit pumps.	GMP Assumption: Include scope change.			Continue discussion with City during 60%-90% phase	\$ 53,300
Supp25	Jacobs Internal QC Comme	nt			Additional valves may be needed to isolate lines near HW3, where connecting into existing systems.	GMP Assumption: Include scope change.		12/6/2019	Continue discussion with City during 60%-90% phase	\$ 60,000
Supp26	Jacobs Internal QC Comme	nt			Add to replace piping on 84" RS North Loop. Replace to where it goes submerged.	GMP Assumption: Include interior coatings system up to where line dips and becomes submerged.		12/6/2019	Continue discussion with City during 60%-90% phase	\$ 3,300
Supp27	Jacobs Internal Item				Instrument air - per sketch with 60% design memo with client comments at 60% incorportated into that design.			12/6/2019	Continue discussion with City during 60%-90% phase	\$ 230,000

	<mark>San José-Santa Clara</mark> Regional Wastewater	e						Quality Review Form	
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		File Name: Project Name:		QRF Log Backcheck By Ci	ty (2/1/2020) works Improvements Project	Submittal Date: Reviewer/s:	10/9/2019 City/CIP/Od		
		Document:			60% Design Drawings and Specs City Backcheck	Project No.:	7477/770		
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Supp28	Jacobs Internal Item				WTR3 water system per sketch with 60% design memo with client comments at 60% incorporated into that design. 12" WTR3 fitting and valves not shown - assume valves at every 400', at every leg of tees and at capped ends. Assume restrained joint flanged caps as ends for removal for connection to future system.		12/6/2019	12" WTR line could be upsized to 14" from new the P&E building to HW2. Add a WTR3 feeder pipe to HW2	
Supp29	Jacobs Internal Item				Scope at P&E building not all detailed in 60%. Cost estimate is based on: 1) rereoute interior sanitary drain piping to an existing sump in the lowedt level, Sludge Concentration Room, rom existing sanitary drain sources on ground floor. 2) replace existing sump pumps with (2) - 4HP, 460V, 3ph, with motor starters located in package panels. 3) reroute new dicharge pipe, 4" PVC, from sumppump system through south wall of facility, then buried in yard to tie-in to an existing 18" cooling water pipe at a new manhole. The CW gravity pipe is intercepting with new SD piping system east of existing HWK1 facility. 4) rereoute existing j8" roof draine pipe fron inside the facility, through an exterior wall to discharge on grade.		12/6/2019		
					As allowed by the geotechnical report, pipe backfill material is assumed as per the		12/0/2019		
Supp30	Jacobs Internal Item				following: - Pipe bedding material is a layer of recycled aggregate base and a layer of stabilization rock - Pipe zone material is recycled aggregate base - Backfill above pipe zone is native material and top soil - Backfill above pipe zone under a road is native material to the bottom of the road section		12/6/2019		
Supp31	Client Direction				Scope of work does not to include any electrical changes to the power sources of valves, gates or other instruments or equipment in Headworks 2.		12/6/2019		
Sunn32	Client Direction				The fiber optic network will be hardwired and will be arranged per the sketches attached				
Ouppoz	Olichi Birection				to the October 21st electrical and I&C workshop. The GMP was agreed upon before the subsurface report was finalized.		12/6/2019		
Supp33	Subsurface Investigation Report S Decision Log				The plan and profile drawings included in the subsurface investigation report superceed the 60% design documents. As the project advances from 60% to 100%, the starting point of the civil and yard pipe drawings will be the drawings included in the subsurface investigation report.		12/6/2019		
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DL01					What is the driver for lining the Emergency Overflow Basin as part of the headworks project scope of work?	Liner is desired to allow the basin volume to be used by operations on a non-emergency basis to facilitate plant maintenance, shutdowns and other construction related events. 10/15/18 - Direction from stage gate is to incorporate concrete liner for the EOB.	12/6/2019		
DL02					As an option to achieve project budget, should the project consider defining a Phase 1 EPHWWF, allowing for expansion to accommodate the 2040 EPHWWF should it become a reality?	Evaluations and discussion at this workshop and others leading up to the stage gate determined that the facility will be designed for the 2040 EPHWWF.	12/6/2019		
DL03					Interceptor solids deposition and current flushing methods effectiveness	City provided information and descriptions that are documented in the workshop notes for treatment process alternatives No. 1 & No. 2 workshops 8/20/2019: The pumping before grit is a key improvement to the design in the 30% that will allow RWF to more easily "flush" interceptors.	12/6/2019		
DL04					Grit and screenings hauling truck traffic access	8/20/2019: Access gate location could be Zanker Road gate or Los Esteros gate. Per 60% design, no permanent access and paving from Zanker is included in project.	12/6/2019		
DL05					Vactor and septage dumping - truck access, adequacy of current practice and benefits of incorporating improvements into HW3 design. Is a new septage receiving station required?	10/11/2018 Jacobs will develop alternatives to the packaged units that will accommodate 2 simultaneous septage trucks; 20 septage trucks per day, that will directly discharge to HW3. Vactor trucks are much less frequent (couple per year) and they just need a slab that will drain so material can be dried and later disposed of. 11/29 Decision: at least two septage receiving stations - no package units. Use quick connect or route hose into drain into a customized cone. Locate as close to HW3 channel as possible. One vactor truck dumping station. See 11/29 meeting notes. 08/20/2019: See 60% design, 3 septage holes, one vactor location, pipe discharge to EBOS by gravity.	12/6/2019		
DL06					Structure A modifications - benefits, funding source, responsibility for operation	Structure A modifications will not be considered farther. Interceptor isolation to be developed at the EBOS in conjunction with HW3 flushing options. Any structure A improvements to allow the flow in that structure to be monitored at the Plant will be done outside of this contract	12/6/2019		
DL07					Impact of using Interceptor 1 only for current EPHWWF peak flow	Interceptor 1 receives flows from sources that cannot be isolated so this option is not viable.	12/6/2019		
DL08	<u> </u>				Noise, environmental and odor control concerns, indicative design site vs. alternate site	Evaluated through the TBL+ update that was incorporated into the stage gate for site selection.	12/6/2019		
DL09					Degree of equipment automation desired	Equipment running automated. Startup after an outage is manually started up by staff in the control room.	12/6/2019		
DL10					Availability and reliability of plant water system	8/20/2019: Use plant water as primary source and tap into adjacent 16" recycle water for backup. The W3 water will not be available at start-up so HW will use Recycled Water as primary until W3 is available.	12/6/2019		

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DL11					Need for HW2 chimney structure modifications	Chimney structure modifications are not required based on HW2 anticipated frequency	12	0/0040		
DL12					HW2 grit removal performance	of use and project budget constraints. Grit basin performance was discussed and will need to be optimized by controlling the level in the RSPS2 wet well.		6/2019	The grit basin and associated pumping performance testing and acceptance protocols will need to be revised pending discussions with Jacobs and the vendor(s). Comments have been provided to Jacobs on revising the testing and acceptance protocol.	
DL13					Issues associated with exposed equipment	Discussion corrosion control and environmental concerns. 8/20/2019: See 60% design	40	0/0040		
DL14					Issues associated with current degree of screening	for protective coatings and material selections. Discussed issues associated with previous screens and new HW2 duperon screens. Included discussion of accumulation in digesters and new digester screening installation. Multi-Rake. PDR Table 4-4	12/	6/2019		
DL15 DL16					Screen type Screen media (perforated vs. bar and open area)	Multi-Rake, PDR Table 4-4 Multi-rake bar screens are preferred type, final decision on bar spacing to be made at 11/1 workshop. 11/1/18: Spacing discussed on 11/1 final decision to be made based on additional information to be provided by Jacobs. 11/29: Sizing will be 3/8".		6/2019		
DL17					One vs. two-stage screening	Two stage not recommended.	12/	6/2019		
DL18					Method of screenings transport (sluice, screw, belt)	8/20/2019: See 60% design submittal for latest. As part of City comments and discussions - belt conveyor eliminated.	12/	6/2019		
DL19					Degree of screenings washing required	Proposed washer/compactor equipment is acceptable.	12/	6/2019		
DL20					Degree of screenings compaction required	Proposed washer/compactor equipment is acceptable.	12/	6/2019		
DL21					Number of redundant washer compactors	Use 4 washer compactors.		6/2019		
DL22					Issues associated with current degree of grit removal	NA	12/	6/2019		
DL23					Issues associated with grit settling in screen channels	Issues with grit associated with interceptors and screen channels and EBOS. Incorporated into treatment alternatives no. 2 flushing options discussions.	12/	6/2019		
DL24					Design grit cutpoint	Confirmed (6) 12x12 headcell units with ~170 micron cutpoint at ~40 mgd per unit.		6/2019		
DL25					Grit removal technology	Headcell, Submittal 02-1310-3 - Process Equipment Recommendations Confirmed (6) 12x12 headcell units with ~170 micron cutpoint at ~40 mgd per unit for	12/	6/2019		
DL26					Grit basin redundancy (HW3 or HW2)	HW3.		6/2019		
DL27					Grit pump preference	Recessed impeller		6/2019		
DL28 DL29		+		+	Grit pump mechanical seals or packing Grit pump redundancy	Mechanical seals are used throughout the plant. Confirmed single inline duty grit pump per headcell with one shelf spare.		6/2019 6/2019		
DL30		+			Continuous vs. intermittent grit pumping	Headcells operate on a continuous basis.		6/2019		
DL31					Grit slurry piping - dedicated pumps and washer vs. manifolding	Confirmed dedicated pumps and washer configuration per train.		6/2019		
DL32					Grit basin flush water - plant water or grit basin effluent	WTR3 will be primary source and RW will be secondary source for back-up.		6/2019		
DL33					Grit washer technology Dewatered grit transport	PDR Table 4-9 and Submittal 02-1310-3 - Process Equipment Recommendations Discussed option to utilize semi trailers in lieu of dumpsters at treatment process alternatives No. 2. Jacobs will follow up with additional information to confirm dumpster approach. 11/29: Dumpster arrangement confirmed with canopy and two installed dumpsters. Room for a spare on site. Units will continue to be removed by the contracted company. 08/20/2019: 60% design reflects new layout with 2 dumpsters and no belt conveyor.		6/2019		
DL35					Combined or separate screening and grit dumpsters	Plant currently separates screenings and grit and that is the basis of their current disposal contracts so direction is to maintain separate operation.	12/	6/2019		
DL36					Haul truck traffic issues	8/20/2019: Per 60% design, no permanent access and paving from Zanker is included in project, just lots of paving around new headworks area.	12/	6/2019		
DL37					Open vs. covered dumpster vs fully enclosed in a building	10/11/18: Issue has been discussed but firm decision/direction has not been confirmed. Open dumpsters appear to be acceptable if screenings and grit washing is up to current technology capability. 11/15 update: Odor concerns have been raised again on 11/15 and odor modeling is being performed to help make a determination if the dumpsters should be open/enclosed/covered. 11/29 update: additional odor simulations ran confirming dumpsters are not a significant odor source. the dumpsters will continue to be located under a canopy. a means to pull off odor to the odor control system will continue to be evaluated. 08/20/2019: 60% design - not enclosed, but future drops for connecting to odor control system for dumpsters provided.	12/	6/2019		
DL38					Dumpster loading method	11/1/18: Discussed at workshop, Jacobs to propose additional dumpster configuration alternatives/ideas. 11/29: dumpster configuration confirmed. See presentation for layout. 08/20/2019:60% design shows new dumpster loading with no belt conveyor.	12/	6/2019		
DL39					Dumpster ownership	Confirmed dumpsters are owned by contract hauler. Intend to continue this approach.	12/	6/2019		
DL40					Influent pump location up/down stream of grit removal?	Pumping before grit allows for flushing of interceptors. This should reduce the concern that slugs of grit/debris get flushed into the headworks during a storm. Documented by e-mail (see #153) and in 30% design and associated documents.	12/	6/2019		

	San José-Santa Clara						Q	Quality Review Form	
	<mark>San José-Santa Clara</mark> Regional Wastewater Fa	acility							
		File Name:		QRF Log Backcheck By Cit	2 (* * * * *)	Submittal Date:	10/9/2019		
		Project Name:			works Improvements Project	Reviewer/s:	City/CIP/0&M	<u> </u>	
		Document:		New Headworks Project - 6	60% Design Drawings and Specs City Backcheck	Project No.:_ Backcheck Date	7477/7701 2/1/2020		
STRUCTION	S: Critical issues may have a significa	ant impact on rework,	schedule, cost or risk and	require immediate resolution. All con	nments need to be back-checked and approved by the reviewers.	Dackcheck Date	2/1/2020		
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ı		Critical		Reviewer Reference	T	Originator	Resolution	Reviewer Back-Checked	Cost
#	Reviewer	Issue	Page Index	Drawing, Specification,	Comments / Questions	Resolution / Response	Name Date	& Approved	\$ 1,697,461
DL41					Influent pump type	Submittal 02-1310-3 - Process Equipment Recommendations confirms VTSH pump station over a dry pit pump station configuration and corresponding TBL+ analysis.	12/6/2019		
DL42					Influent pump wet well type	Design per HI standards based on selected pump type requirements.	12/6/2019		
						08/09/18: PDR moved flow metering upstream of pumping. Jacobs to further explore			
DL43					Flow metering up/down stream of pumping	this concept after site selection is made. 10/15/18: Leading up to stage gate selection decision to meter flow downstream of pumps with multiple small meters was confirmed at site selection No. 2 workshop.	12/6/2019		
DL44					Interceptor odor control (degree of upstream negative pressure)	Given upstream EBOS and hydraulic conditions odor control of interceptors by the headworks 3 system is not feasible.	12/6/2019		
DL45					Odorous air treatment technology at headworks 3	Ability to treat H2S > 100 ppm within equipment performance guarantees.	12/6/2019		
DL46					Indicative Design Site or Near EBOS Site	BDR shows site and 30% confirms near EBOS site as path forward.	12/6/2019		
DL47					What levels for decision making are defined What are the criteria for revisiting/changing a previous decision? Who approves re-		12/6/2019		
DL48					evaluation?	Project team will evaluate on a case by case basis.	12/6/2019		
DL49					Which decisions can be made in workshops (impact rating system)?	Use this log to screen for decisions that must be escalated.	12/6/2019		
DL50					Which decision go to interim stage gate? What documentation is required. Other info needed to make site selection decision?	Use this log to screen for decisions that must be escalated.	12/6/2019		
DL51					Do any of the TBL+ criteria need updating?	TBL+ updated and developed for site selection No. 2 workshop.	12/6/2019		
DL52					What are the Near EBOS site odor control issues?	Issues reviewed and discussed at site selection No. 2 workshop. BTF system can meet odor model assumptions for RWF odor fence line.	12/6/2019		
DL53					What is the extent/character of grit settling in the EBOS?	City has provided information and photos on the amount of grit that settles in the EBOS. Some improvements will be made, but a wide spot in the line for large debris is a			
DESS					What is the extendential acter of grit setting in the EBOS:	valuable feature.	12/6/2019		
DL54					Overall maintenance access, including electrical	The 60% design shows a full basement under the electrical building.	12/6/2019		
DL55					Interceptor configuration/future changes to interceptors	Discussed at multiple workshops. HW3 facility at near EBOS site is considered better for future interceptor changes.	12/6/2019		
						08/09/18: City comment (from Ed Fernbach) is that Jacobs should proceed with layout	12/0/2010		
DL56					Grit basin configuration (opposing basins vs. lined up)	that provides best performance, dependent upon site selection location.08/20/2019: 60% design shows latest layout; Includes incorporation of some City modifications			
						suggested at 30%. 08/09/18: City expressed concern with N+1 being shared between HW2 and HW3,	12/6/2019		
						when HW3 is in Near EBOS location.			
DL57						08/13/18: City stated they are more confident in shared N+1, when HW3 is in Near			
					both headworks approach at either site location.	EBOS location. City asked Jacobs to further evaluate hydraulics when HW3 units are offline. 11/15: decision made to have HW3 be able to pass 209mgd with one unit off			
						line. See decision 141	12/6/2019		
DL58					Electrical gear shall be powered from M3 and M5	Direction provided by Nelso. Drawings provided on 10/10 showing spare breaker locations; 2019-08: 60% design shows this design decision.	12/6/2019		
					Facility numbers and available loop numbers are required for all facilities that will be	question submitted via RFI on 10/11. Running list being provided to Jacobs as			
DL59					modified/added as part of this project.	additional facilities are identified. 8/20/2019: 60% design shows this design decision.	12/6/2019		
DL60					NEMA 1 enclosures should be specified for MCCs	Direction provided by Nelso on 10/10 site visit and meeting	12/6/2019		
DL61					There is at least 1 spare 5" between coming out of M3 and M5 to use within the existing	Direction provided by Nelso on 10/10 site visit and meeting	40/0/0040		
DL62					ductbank systems There will be an HOA switch on a VFD and no hand control (except to look at status) on	Direction provided by Nelso on 10/10 site visit and meeting	12/6/2019		
					the VFD HIM Feeders from M3 and M5 can be combined in a single ductbank but should be routed		12/6/2019		
DL63					through separate handholes	Direction provided by Nelso on 10/10 site visit and meeting	12/6/2019		
DL64					No sole source on switchgear is required. They can be Eaton, Powell, or ABB/GE, would like relays and breakers as defined in documentation handed to us at the meeting	Direction provided by Nelso on 10/10 site visit and meeting	12/6/2019		
DL65					Zone interlock not needed for S level switchgear	Direction provided by Nelso on 10/10 site visit and meeting	12/6/2019		
DL66 DL67					VFDs shall be heavy duty instead of normal duty 4160V to 480V transformers cannot exceed 2000kVA	Direction provided by Nelso on 10/10 site visit and meeting Direction provided by Nelso on 10/10 site visit and meeting	12/6/2019 12/6/2019		
DLOI					Map or schematic of the DCS fiber system throughout the plant including handholes,		12/0/2019		
DL68					available spares, patch panel locations, duct bank routing and number of strands – to be provided by City of San Jose	Provided in 10/18 workshop; 08/20/2019: Additional fiber splicing and rerouting requested. City confirm 60% meets expectations.	12/6/2019		
DL69					The design criteria states that outdoor electrical equipment needs a heater. Does this	Direction provided in 10/18 workshop.			
					include local control stations and disconnects? Conformity of stainless steel, 304SST or 316SST - to be discussed among all Jacobs	Discussion noted that RS has high chlorides. Dan to track down the location of this data	12/6/2019		
DL70					disciplines with recommendation made to City Would like an example make and model for disconnects with auxiliary contacts for 1	for documentation.	12/6/2019		
DL71					phase and 3 phase loads – to be provided by City of San Jose		12/6/2019		
					List of manholes Jacobs would like investigated. Either with a list of conduits and cables				
DL73					routed through them or pictures/videos of them – list to be provided by Tiana, investigation by City of San Jose	8/20/2019: All information available form the city has been provided.	12/6/2019		
DL74					Confirm MCC starters are to have all signals hardwired in addition to Modbus cable.	8/20/2019: 60% shows both being provided. Clear direction was not provided in workshops.	12/6/2019		
DL75					Confirm VFDs for influent pumps are to be 18 pulse with no bypass starters.	see workshop notes for discussion	12/6/2019		
DL76					Confirm if a stand alone UPS is required for backing up power for DCS, instrumentation	Discussed at workshop. City to provide a preferred manufacturer list.			
: •					and fire alarm panel.	The state of the s	12/6/2019		

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					Is all mechanical and electrical equipment that is required to operate the Headworks	30% comment had implication that equipment and structures should meet Risk Category IV. 8/20/2019: See 60% design specification section 01 45 36 for Equipment			
DL77					Facility intended to be seismically certified through shake table testing as required for	Seismic Certification requirements and equipment list of items where certification is			
DETT					Risk Category IV structures?	requested. Need calculations and self-certification by mfr. No shake table testing is			
						being required.	12/6/2019		
DL78					Digital inputs and outputs to the DCS are to be 24V DC	City stated preference is 24V for staff safety.	12/6/2019		
DL79					What is the desired auto restart sequence for the facility?	After outage the plant is started up manually via the control room.	12/6/2019		
								Note that Jacobs should include	
DLOO					There will be no PLCs in local control panels at equipment. DCS will control process	8/20/2019: FAT for process equipment will not include any controls testing. Controls will		spec revisions to specification 23	
DL80					equipment.	be provided by ABB panels.		13 13, Section 2.17 provided as part of the 60% comments. This	
							12/6/2019	will be noted in Bluebeam.	
DI 04					Workstation in the to be included in the DCS/Control Room. What kind of work station		12/0/2010	Will be noted in Blackedini	
DL81					is desired?	Dual screen workstations with thick clients.	12/6/2019		
DL82					What MIS networks are required? City Enterprise, Telephone, CCTV, Security? Fire	Enterprise network, CCTV, telephone, provisions for security			
D202					alarm is anticipated.		12/6/2019		
DL83					What are the preferred vendors for instrumentation instruments?	Discussed at workshop. City to provide a preferred manufacturer list. 8/20/2019: 30% comments provided direction and has been incorporated into the design.	12/6/2019		
						8/20/2019: City has not provided direction on the number to use. The 60% has place	12/0/2019		
DL84					What should the new DCU number be? City provided numbering	holder numbers that will be updated once direction if provided.	12/6/2019		
					Boylow of the programment strategy for 19 C aguinment and integration on Cogon and	08/20/2019: I&C procurement package reviewed with City that has roles of Jacobs as			
DL85					Review of the procurement strategy for I&C equipment and integration on Cogen and discuss the potential for a different approach on this project.	coordinator and ABB/TSI as software integrator; panels will be built and procured			
						through ABB/TSI. Jacobs to procure instruments.	12/6/2019		
					What version of electrical codes are to be followed? Current listing is CEC – California				
					Electrical Code (2016)				
					California Energy Code (2016) NFPA 70E – Standard for Electrical Safety in the Workplace				
DL86					NFPA 820 – Standard for Fire Protection in Wastewater Treatment and Collection	The codes are listed in the BDR.			
					Facilities				
					IBC - International Building Code (2012), California amendment (2013)				
					NFPA 70 – National Electric Code (2011)		12/6/2019		
DI 07					What utility services does the city want stubbed up/routed to Headworks 3, regardless i	12014-02: 30% comment regulact air line 2014-08: See 60% decide for accumptions on 1			
DL87					it is needed as part of this project or not?. See notes below. WTR3 and instrument air are both being added as part of this project	piping for plant instrument air and for WTR3.	12/6/2019		
					Are bypass starters required for the raw sewage pumps? (the HDWK 2 pumps have	Discussed at workshop that the redundancy is built in via the number of process trains.	12/0/2019		
DL88					VFDs with bypass starters	2019-08: 60% design shows no bypass starters.	12/6/2019		
DL89					When will an up-to-date PTW short circuit and coordination study be available?	City to provide short circuit level for the MV feeders now. Updated model to be provided			
DLOS					Tribut thin art up to date if it is short or out and coordination study be available:	closer to 60%.	12/6/2019		
DL90					How many spare breakers are desired in the MV switchgear?	2019-08: See 60% design for assumptions on spares. City discussed adding more	10/0/0010		
DL91		+		+	When are disconnects required?	capacity for future such as storm drain pump station. Design criteria is not consistent. City provided direction.	12/6/2019 12/6/2019		
DL91		+			What kind of enclosures are preferred in wet/indoor locations	Nema 4X	12/6/2019		
DL93					What electrical equipment located outdoors requires heaters?	Motors only. Not required for control stations.	12/6/2019		
DL94					Are spare conduits required for the 5KV ductbanks?	one spare from each substation for new ductbanks.	12/6/2019		
DL95					Design criteria for UPS sizing is to be based on 30 minutes at full load + 50%.		12/6/2019		
DL96					Where should instrument power come from? UPS via the DCS or UPS via a panelboard?	Panelboard.	12/6/2019		
						2019-08: See 60% design for assumptions on camera locations. City is asked to review	12/6/2019		
DL97					Is CCTV required?	them as part of the 60%.	12/6/2019		
						Conduit and pull boxes for door switches and card readers. No decision made on door			
DL98					What security provisions are required?	hardware. Route conduits to the same panel as the CCTV. 2019-08: Need City to			
D:						confirm security camera assumptions are okay.	12/6/2019		
DL99					What system are combustible gas detectors tied to? SCADA or Fire Alarm	SCADA 2019-08: Still needs to be confirmed. At this time no provisions included for the public	12/6/2019		
DL100					What is the design criteria for the public address system?	address system.	12/6/2019		
DI 12:		+				Radio extenders to be provided as needed. 2019-08: Need information from City on	12,0/2013		
DL101		ı		ı	What is the design criteria for the radio system?	as a wine die authorise and	12/6/2010		I

DL102

DL103

DL104

DL105

DL106

DL107

DL108

DL109

DL110

required equipment.

see workshop notes

see workshop notes

latest two units on roof.

City to install the phone system.

Refer to architectural guidelines.

2019-08: Decisions reflected in 60% design.

completed. Need to confirm interim back-up source.

Telephone is voice over IP. MIS system will extend this system to the electrical building.

BDR shows 100% redundant indirect evaporative cooling. 2019-08: 60% design shows

2019-08: the lime treatment and concrete lining of basin cannot be completed in dry

2019-08: See yard piping. W3 loop at HW3, it will be feed with RW until W3 work is

980 loader and backhoes on ramp and slab. No vehicular access on slopes

control board will need to be notified it will be out of service.

season only. Construction activities will need to be done year round. The regional quality

Size of trucks that need to access headworks 3

Emergency basin equipment access design criteria

I&C equipment design criteria

Access on Roof Tops.

What is the design criteria for the telephone system?

Electrical equipment and systems analysis design criteria

What type of HVAC is desired for the Electrical Building? DX vs Evap cooling?

Ability to take emergency overflow basin out of service during construction

Packages vs custom? Ground mount vs wall or roof mount? Custom vs packages?

Architectural design criteria for ADA access, LEED certification, Cal Green and Solar

Utility Water will have two power sources - the recycled water line and the W3 water

12/6/2019

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DL111					What should the FEE of the facilities be?	2019-08: 60% design assumed 13.0 FFE for electrical building and transformers per direction from workshops and CIP project management team.	12/6/2019		,,,,,,,,,,
DL112					What will the main access point be for septage haulers for the new Headworks 3 site?	2019-08: The site is being designed to accommodate traffic flow from either direction. The 60% documents show the main access to be from the main gate. No improvements to the culvert/bridge have been included, per direction from the program. The road will continue to be one-lane.	12/6/2019		
DL113					The only parking planned for a the site will be service vehicles and as required for handicap parking.		12/6/2019		
DL114					Although not currently shown as on the site tour route, the facility should be designed to expect tours. The facility will be designed to comply with Zone 4 architectural aspects.		12/6/2019		
DL115					Does the City have a preference to the electrical building materials? CMU vs. metal (the current pricing is based on metal).	CMU Block. Architectural features to comply with Zone 4 requirements and similar to HDWK 2 electrical building.	12/6/2019		
DL116					Confirm feasibility of shutting down C street to vehicular traffic between California	is being done for construction activities but not permanently	40/0/0040		
-		+			Structure and RS Pump Station.	Hydraulics show 12mgd is needed based on the current flow management strategy.	12/6/2019		
DL117					what should the design capacity of the emergency basin be?	The overflow weirs can be raised to accommodate this without modifications to the basin walls.	12/6/2019		
DL118					Electrical building to have toilet room located adjacent to the control room with exterior access for the septage haulers. Provide natural light within the rooms via windows where possible (no sky lights). Battery room to have exterior access, as well as interior	yes			
DL119					access if possible. Handrails shall be 3-rail.	ves	12/6/2019 12/6/2019		
DL120					Routing of the 96" to California structure and connection from California structure to RS PS to be determined, potentially rerouted. 3/21 update: final determination was to rout from HW3 to the CA structure through C Street.		12/6/2019		
DI 404					· ·		12/0/2019		
DL121					Structural, civil and architectural design criteria as noted in the workshop presentation.		12/6/2019		
DL122					Dumpster loading method	Local control/no cables	12/6/2019		
DL123					Grit conveyance technology	2019-08: Belt conveyor was called for in the PDR but was deleted per 30% comment.	12/6/2019		
DL124					Confirm if Knife Gate Valves are acceptable for raw sewage isolation valves	Bonnetless knife gates	12/6/2019		
DL125 DL126					Confirm if pinch valves are acceptable for grit isolation valves. Confirm preferred valves, gate and actuator vendors	2019-08: Included in 60% design and no comments received on valves. Limitorque	12/6/2019 12/6/2019		
DL127					Confirm air conditioner type and location for electrical room equipment.	2019-08: Design around one vendor, but allowing for 3 potential vendors.	12/6/2019		
DL128					Confirm if smoke purge-removal ventilation is required for MCC rooms.	2019-05: 30% design has no fire sprinkler or fire suppression equipment. SJFD had comment asking if it would be provided. 2019-08: Jacobs response - not required by code based on building size. 60% design has no fire suppression equipment for electrical building or any structure for that matter. City requested fire alarm be included.	12/6/2019		
DL129					Confirm if potassium permanganate chemical filters are required for hvac units.	2019-05: were not required based on discussion with plant staff and were not included in the BDR. 2019-08: they have been included for the 60%. Have specified the refillable cartridges.	12/6/2019		
DL130					Verify if galvanized ductwork is acceptable in electrical rooms	2019-05: recommended by HVAC engineer and were included in 30%.	12/6/2019		
DL131					Is the Honeywell WEBs-AX/Niagara AX unit required for HVAC controls?	2019-08: the HVAC control is not sole sourced in the 60%.	12/6/2019		
DL132					Discuss submerged sump inlets	2019-08: This is not being included as it is not Jacobs best practice. This was not included in the BDR and no comment was made.	12/6/2019		
DL133					What is required for make-up air filtration?	2019-08: provided chemical filters as noted in comment 131.	12/6/2019		
DL134					Confirm water type for fire protection, WTR1 or WTR4? Is it looped?	HW project needs to coordinate with the CIP Fire Protection and Life Safety program that is currently developing updated requirements. Later follow-up provided to use looped WTR4.	12/6/2019		
DL135					Is this project to bring the water service to the site?	Interface points are currently being coordinated. 2019-05: W1 brought to site. 2019-08:			
DL136					Is a fully automatic fire sprinkler system desired? 2/27: with the move of the electrical	See 60% for water service assumptions - using W1, W4, RW with future W3. Preference is to avoid fire suppression systems. Recent project experience with fire department has required dry systems in electrical rooms. Will address with fire	12/6/2019		
DL137					building away from the other facilities all buildings are exempt. No system required. Is odor control required at headworks 2? If so what technology?	department. This City does not want wet pipe sprinklers in electrical rooms. 11/8/18:Recommendation to defer HW2 odor control to future project to be combined with primary clarifier odor control project. 11/29/18: It was agreed to by Isaayas that HW2 odor control is not required as part of this project to address odor issues. See workshop notes for additional details on the additional modeling completed that resulted	12/6/2019		
DI 129					In HDDE on accontable alternative to alone lived Duntile lives	in this decision. Existing plant has lots of gldi, maintenance staff expressed preference to maintain	12/6/2019		
DL138					Is HDPE an acceptable alternative to glass lined Ductile Iron	consistency. 2019-08: BDR and 30% comments were made by City (Ed) to specify HDPE. Both materials are specified as acceptable options. PDR indicated this flow was to be routed to Recycle PS2 but that is not feasible due to	12/6/2019		
DL139					Confirm filter backwash overflow routing approach that was proposed in the 2012 drawing set can be carried forward and implemented.	size and gravity flow routing constraints. This was not the concept developed in 2012. Best solution is to route by gravity as proposed in 2012. 2019-08: Design evolution shown in 60% so the filter backwash flow shall be routed to the coffin structure via an existing 84" pipeline. A box shall be added to tie in the new pipe to the existing line. Cross-reference with item #169	12/6/2019		
DL140					Flow measurement method for Headworks 2. 3/1: Decision made to back calculate the	See item #166. No HW2 meter replacement or changes.			
		1		1	flow measurement		12/6/2019		

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DL141					Design criteria for number of pumps and design criteria for Headworks 3 capacity.	Cross-reference with item #164.		12/6/2019		
DL142					Flow, identified in PDR Section 4.12.1 last paragraph, from 18-inch P&E Building Cooling Water Drain will be eliminated and does not need to be redirected as part of the	Direction provided by Dilip				
DETTE					Headworks 3 design.	Direction provided by Bilip.		12/6/2019		
DI 440					Flow, identified in PDR Section 4.12.1, from Digester Overflow will be eliminated as part	Direction associated by Diffe				
DL143					of the Digester project and will not be included in flows to be recycled by Recycle PS1.	Direction provided by Dilip.		12/6/2019		
					Flow, identified in PDR Section 4.12.1, from Digester Gas Compressor Cooling will be					
DL144					eliminated as part of the Digester project and will not be included in flows to be recycled by Recycle PS1.	Direction provided by Dilip.		12/6/2019		
DL145					Electrical building adjacent to raw sewage pumping with a shared wall. Pumps can be	2018-09: See latest 60% design shows electrical building no longer adjacent to pump		1.2,0/2010		
DL146					accessed on both sides of the pump station. "Basement" or 'Vault" to be under a portion of the electrical room.	station. 2018-09: See latest 60% design shows electrical building basement configuration.		12/6/2019 12/6/2019		
					·	30% design included some cable trays. 2018-09: See latest 60% design shows		12/0/2019		
DL147					Cable trays proposed for routing of cables in the basement area.	electrical building basement configuration with no cable trays.		12/6/2019		
DL148					Provide space on site for extra dumpsters (1 for grit and 1 for screenings) Are stop logs or gates to be used for isolation of interceptors at EBOS? Jacobs			12/6/2019		
DL149					provided cost to the City. Decision was made to use existing stop logs.	Cost model as an allowance for stop logs at EBOS.		12/6/2019		
DL150					Design Criteria for the influent screen is N+1 at Dry Weather Peak Hour (209mgd).	Size rating should have little impact on cost model since the screens were already oversized for a flow close to this.		12/6/2019		
DL151					Design Criteria for the grit removal to be N+1 at Dry Weather Peak Hour (209mgd).	No change to current design. Criteria was already met with the 6 units as previously				
DE101					Gravity drain the sluice and other equipment, to the extent possible, to avoid the use of	proposed. 2019-08: pumps are required. There are redundant units and they are on the same		12/6/2019		
DL152					sump pumps for the plant drains.	backup power source as the RS pumps.		12/6/2019		
DL153					Relocated pumping up stream of grit removal.	Cross reference with item #40. Provided direction to include this as part of this project. Install in 96" pipeline trench.		12/6/2019		
DL154					Include a portion of the 12" WTR3 loop in this project.	Cross reference with #87; 2019-06: 30% comment 21 asked from pipe to extend to east				
DI 455						towards Zanker. 2019-08: See 60% design for piping loop for WTR3 system.		12/6/2019		
DL155					Groundwater to be tested during construction prior to returning it to EBOS			12/6/2019		
DL156					All stormwater across plant to be treated at the plant not returned to natural drainages. A recycle pump station will be used to collect the follows that will be routed to EBOS.	QC Review comment. 2019-08: 60% design has paved areas in HW3 will drain water to storm drain system that is routed to pump station				
		+			Route odor ductwork to the dumpsters. Install a fixed drop at each dumpster location fo	r		12/6/2019		
DL157					future.	QC Review comment.		12/6/2019		
DL158					Create a route around EBOS for the septage haulers. Reconfigure the site and move the fence as needed.	Dan to work with City on any required permitting or approval issues.		12/6/2019		
DL159					Proceed with the base case route for the 96" pipeline.			12/6/2019		
DL160					High pressure washdown requested by operations 1.5" connected to a hydrant When washer compactors fail, plant staff would like a dumpster with a filter bottom for	Need to confirm if this is City supplied through vendor or if this needs to be supplied by		12/6/2019		
DL161					drainage	Jacobs. Some dollars in cost model for dumpsters.		12/6/2019		
DL162					Relocate the existing sample station to the CA structure.	2019-08: City to review configuration shown on 60%.		12/6/2019		
DL163					Add Plant instrument air at HW3. Extend the existing line to this facility.	Cross reference with #87; 2019-08: See 60% design for piping. City to review 60% and provide comment.		12/6/2019		
					Proceed with VTSH pump type with 5 pumps total to limit size of pumps to a model that	Options provided in workshop. Direction to proceed provided in email by City PM. 2019-				
DL164					is currently operational in the marketplace. Issue procurement documents for both VTSH and centrifugal pumps to encourage a competitive bid environment. Use best	08: TBL for dry pit vs. VTSH included in Submittal 02-1310-3 - Process Equipment				
					value approach to confirm pump type.	Recommendations		12/6/2019		
					Extend the 84" RS from CA Structure to RSDS so that it does not go through RDSD but ties in directly to the north loop. 6.RS Mixer Structure can be modified after	Options presented in meetings. Direction provided by City to not route pipe into				
DL165					Headworks 3 is commissioned by routing all flows through the south RS loop after	RSPS1.				
					Headworks 1 is off-line. Do not install flow meters for Headworks 2. Use the primary clarifier meters to measure	Options presented in workshop. Direction provided by project PM via email. 2019-08:		12/6/2019		
DL166					the total flow of the plant and back calculate Headworks 2 flow.	60% design includes no HW2 meter replacement. Cross-reference with #140.		12/6/2019		
DL167					The filter backwash flow shall be sized for two filter backwashes simultaneously. Pipe to be sized accordingly.	Criteria provided via email from City.		12/6/2019		
					Storm drain and existing drain lines required to be relocated when HW1 is demolished			12/0/2013		
DL168					shall all be routed together to a single recycle pump station if hydraulically feasible	2019-08: See 60% design for proposed one recycled pump station in HW1/HW2 area.		12/6/2019		
					The filter healqueah flow shall be routed to the seffic atrusture via an eviating 94"	Multiple entiting were considered. Direction provided by project DM to proceed with this		12/0/2019		
DL169					The filter backwash flow shall be routed to the coffin structure via an existing 84" pipeline. A box shall be added to tie in the new pipe to the existing line.	Multiple options were considered. Direction provided by project PM to proceed with this option. 2019-08: See 60% design for proposed solution. Cross-reference with #139.		12/6/2019		
DI 170					Reroute Milpitas to the pie structure in an effort to minimize the amount of shutdown	209/ Commont 4 40 F0		12/0/2019		
DL170					and temporary bypassing needed to make Milpitas improvements	30% Comment 4, 49, 59		12/6/2019		
DL171					Concern with EOB lining transition to lined earthen embankment. City encounters issues with squirrels/rodent burrowing below concur	30% Comment 12 and 55. See 60% design - pave top of EOB road so squirrels cannot get under liner. Need City to confirm and check with CEQA.		12/6/2019		
DL172					Provide curb along EOB drive adjacent to HW3.	30% Comment 54.		12/6/2019		
DL173					Seal water for VT pumps comes from WTR3 and RW as back-up. If Filters fail, this water is not available. Proved additional source of water			12/6/2019		
DL174					Raise walls of coffin structure to reduce chance of flooding.	Do not include		12/6/2019		
DL175					Reconfigure Grit Facility to reduce pump room size. Reconfigure coanda units and remove belt conveyor to optimize grit facility footprint.	Comment 112		12/6/2019		
DL176					Do not use cable tray on the project	email from Nelso providing direction to not use cable tray		12/6/2019		

Sa	n José-Santa Clara							Qu	ality Review For	m	
₹ Re	gional Wastewater	r Facility									
		File Name:		QRF Log Backcheck By City (2/1/2020)		Submittal Date:		10/9/2019			
		Project Name:		New Headworks and Headworks Improvements Pi	roject	Reviewer/s:	(City/CIP/O&M			-
		Document:		New Headworks Project - 60% Design Drawings a	nd Specs City Backcheck	Project No.:		7477/7701			-
						Backcheck Date		2/1/2020			
TRUCTIONS:	Critical issues may have a sigr	nificant impact on rework	, schedule, cost or risk and	require immediate resolution. All comments need to be back-che	cked and approved by the reviewers.						•
						1					
		1 0 11 1		Reviewer		Originator	Resolution		Reviewer Back-Checked		
#	Reviewer	Critical Issue	Page Index	Reference Drawing, Specification,	Comments / Questions	Resolution / Response	Name	Date	& Approved	\$	Cost 1,697,4
					ent meters (total 4) and valves to be replaced in-kind to match						
L177					s are not designed to include the automation guideline	Based on discussions with CIP management.					
				requirements.				12/6/2019			
					replaced will be replaced in kind, reusing existing electrical wiring						
L178					nprovements are not designed to include electrical or automation	Based on discussions with CIP management.					
				guideline standards.				12/6/2019			
1.470					offluent meters (total 4) replacement, will need to do during dry						
L179					ned. No back-up pumping or piping to be provided when piping			40/0/0040			
				north and south of PE	P are shutdown.			12/6/2019		_	
DL180				For Primary Clarifier In	influent meters (total 4) to be replacement which will need piping						
JL 100				north and south of PE	P are shutdown, no condition assessment work is included.			12/6/2019			
				+		Per City Standard 15.2.02E, abandoned pipes are to be filled. Not included in this		12/0/2013			
L181				No abandoned pipes a	are filled.	project.		12/6/2019			
				The Deep 1999	a hazar all and distribute a Otto harder all a mandal (lafe).	On-site meetings occurred July 16-17 where the Jacobs (Replica) model and CDM					
DL182					s been aligned with the City hydraulic model (InfoWorks) and is	(InfoWorks) model were compared and minor tweaks made. It was agreed the Replica					
				acceptable.		and InfoWorks models are aligned and acceptable to the city.		12/6/2019			
DL183				Update Division 01 with	th no changes to Parts 1 to 3. Make changes in Part 4 with City	Coordinate with Hawkins contract.					
				approval.		Coordinate with Hawkins contract.		12/6/2019			
DL184				All grubbings, excavat	ed soil, and base rock will remain on-site.			12/6/2019			
L185				Provide provisions for	future carbon unit for odor control system.	This is permit driven to facilitate the need for permanement or temporary		12/6/2019			
						Recycle Water will be used as the primary water source unit until the WTR3 loop is					
DL186				Provide carbon canisto	er to serve the Bio Trickling Filter.	available. Once WTR3 is the primary source, RW will remain as a potential backup.					
22.00				Tovido carbon carnot	or to corre the Bio Thomany Filter.	This is required because because the recycle water has high residual chlorine that can					
						kill the bacteria.	·	12/6/2019			

Quality Review Form

Review Date: 10/18/2019
Reviewer/s: City/CIP/O&M File Name: QRF Comments from City Bluebeam Session Project Name: New He

Document: **** CIP comments are on gray rows. Jacobs responses are in the white row direction below the comment Project No.: 7477/77

Cir comments	rare on gray rows: sacoo.	a responses are in the write row direction below the comment					ÿ 555,62
Author (in gray row Responder (in white							Direct Costs (Appropirate markup addressed in the Cos
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder Date Answered	Backchecked	Model by company
VOLUME 1							
TAKEMOTOMW	01 14 00-1	01 14 00 1.03 A "Essential elements" is vague and should be better defined.		3	Ryan		
jr011131	01 14 00-1	This is City standard language. City to suggest an allowable change.		3	10/31/2	019	
		General Div 01 - Comments: - There are lot of repetitive requirements and statements within and					
		amongst the Div 01 specifications Reference names are not consistently used in the Div 01 specs	5.				
		For example, City, Jacob's Engineer, Design-Builder, and subcontractor are used and the					
		relationship amongst these terms is unclear. Some specs read as if they are requirements for the design-builder and some appear to be for the subcontractor Confirm applicable CBC code, i.e.					
TAKEMOTOMW	01 14 00-1	2016 or 2019 CBC.		3	Ryan		
TAREIVIOTOIVIV	01 14 00-1	City is requesting a complete update using latest updated Div-01, some are still be provided. The		3	Nyan		
		terms for DB will become CONTRACTOR and all others become ENGINEER - this is all City provided					
jr011131	01 14 00-1	items.		3	10/31/2	019	
TAKEMOTOMW	01 14 00-2	01 14 00 1.04 A Facility Main Gate needs to be defined and/or shown on the drawings		3	Ryan		
jr011131	01 14 00-2	This can be modified.		3	10/31/2	019	
ĺ		01 14 00 1.04 D. suggest defining chemical or other deliveries frequency and route. Define any					
TAKEMOTOMW	01 14 00-2	other specific routes are access points within the construction work limits.		3	Ryan		
jr011131	01 14 00-2	Good idea. Need City to provide this information.		3	10/31/2	019	
TAKEMOTOMW	01 14 00-3	01 14 00 1.06 A.2 - Are they 28 days calendar days?		3	Ryan		
jr011131	01 14 00-3	yes, all Div-01 will be revised to City version.		3	10/31/2	019	
TAKEMOTOMW	01 14 00-3	01 14 00 1.06 - Are there any limitations on the length of shutdowns, seasonal restrictions, etc.		3	Ryan		
jr011131	01 14 00-3	This has been submitted to City and they are reviewing the proposed shutdowns table.		3	10/31/2	019	
TAKEMOTOMW	01 14 00-4	01 14 00 1.08 D - The main process units are not included it the list required facilities for operation	1?	3	Ryan		
		This is City standard language. Does City want us to add this in Part IV? This is certainly implied					
jr011131	01 14 00-4	elsewhere.		3	10/31/2	019	
TAKEMOTOMW	01 14 00-6	01 14 00 1.09. B Does this requirement apply to Minor shutdowns as well?		3	Ryan		
. 044434	04.44.00.6	Good. This is being revised with proposed shutdown table. There will need to be process		2	40/24/5	040	
jr011131	01 14 00-6	interruptions outside of this window. 01 14 00 3.05 - Seem like some of the PSR descriptive text should be in Part 1.07 instead of in Part		3	10/31/2	019	
TAKEMOTOMW	01 14 00-9	3.05.		3	Down		
jr011131	01 14 00-9	Makes some sense. This City standard, so need input if they want to do this change now or later		3	Ryan 10/31/2	010	
JIOIIISI	01 14 00-3	01 14 00 3.04 - Project specific work sequence descriptions, requirements, milestones, etc. need to	0	3	10/31/2	015	
TAKEMOTOMW	01 14 00-9	be added.	0	2	Ryan		
7.11.0.10.10.11.11	0111003	Agree. Table of proposed shutdowns had been provided to City for review and further refinement	:	-	Nya.i		
jr011131	01 14 00-9	The plan is to add to this section.		3	10/31/2	019	
TAKEMOTOMW	01 31 13-2	01 31 13 1.03 B Confirm acceptable documentation. Photos, video, other?		3	Ryan		
jr011131	01 31 13-2	This specification will be removed.		3	10/31/2	019	
TAKEMOTOMW	01 33 00-2	01 33 00 1.01 J 2019 CBC goes into effect Jan 1, 2020. Confirm applicable version		3	Ryan		
		Package submitted to City building department for review under 2016, so our understanding is the	at				
jr011131	01 33 00-2	this is the code to use for this project. If different code is necessary, City needs to confirm ASAP.		3	10/31/2	019	
		01 35 43 1.02 A.1 - Not clear what the "construction enabling area" is. The City is responsible for					
TAKEMOTOMW	01 35 43.01-1	dust control in this area?		3	Ryan		
		Under discussion with City. This will need to be a shared responsibility among on-site contractors.					
		We plan one water truck that can be used to water main road in the enabling area when we use it			/ /		
jr011131	01 35 43.01-1	for construction activities.		3	10/31/2	019	
TAKEMOTOMW jr011131	01 35 43.01-1 01 35 43.01-1	01 35 43 1.02 A Is RWF the same as "Facility"? Yes, should be FACILITY. New version from City should correct this.		3	Ryan 10/31/2	010	
TAKEMOTOMW	01 45 00-3	on 45 00 1.05 - Update CBC references as appropriate.		3	10/31/2 Ryan	019	
jr011131	01 45 00-3			3	10/31/2	010	
1011121	U1 43 UU-3	Okay. 01 50 00 1.02 A.4.a - Appears the text for 4.a should be part of item 4., not the first item under ite	m	3	10/31/2	013	
TAKEMOTOMW	01 50 00-1	4.		3	Ryan		
jr011131	01 50 00-1	City to confirm but we think this is City's intent. Will review.		3	10/31/2	019	
TAKEMOTOMW	01 50 00-2	01 50 00 1.04 A - The location and availability of power needs to be confirmed		3	Ryan		
jr011131	01 50 00-2	This will be updated based on negotiations of GMP. Power to be used from City.		3	10/31/2	019	
TAKEMOTOMW	01 50 00-2	01 50 00 1.04 D - The location and availability of water needs to be confirmed		3	Ryan		

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Author (in gray ro Responder (in whi	ite							Direct Costs (Appropirate markups addressed in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter Cate	gory	Assigned Responder	Date Answered	Backchecked	Model by company)
jr011131	01 50 00-2	Okay. Does City want to add additional items. May want to add filling of EOB and water for testing? 01 50 00 1.04 D.4 - Any flow or quality requirements for the discharge or return of testing or other	3	3		10/31/20	19	
TAKEMOTOMW	01 50 00-3	water to the treatment plant? No limitations identified, but could be added - might add for diesel impacted groundwater	3	3	Ryan			
jr011131	01 50 00-3	volumes/levels.	3	3		10/31/20	19	
TAKEMOTOMW	02 41 00-1	Suggest defining "Abandon"	3	3	Ryan			
jr011131	02 41 00-1	Okay, can be done.	3	3		10/31/20	19	
VOLUME 2								
Marianojl	26 05 05-20	Where is the circuit schedule designation convention shown?	3	3	Michaud	10/20/20	19	
		Circuit schedules are on the drawings and are: $P = power\ C = discrete\ A = analog\ D = data$ designation above followed by end device equipment tag number. Will add description of						
ttom	26 05 05-20	designation to the legend.	3					
Marianojl	26 05 33-29	Similar to conductors, where is the raceway schedule designation convention shown. Will modify sentence. Convention will be identified on the legend. Raceways shall be source and	3	3	Michaud	10/20/20	19	
ttom	26 05 33-29	load at each point.	3	3				
Marianojl	26 05 70-1	Will harmonic analysis be included?	3	3	Michaud	10/20/20	19	
ttom	26 05 70-1	No, after initial analysis via design, no further harmonic analysis is needed as there are not many drives on the LV system and the MV drives sufficient to mitigate harmonics.	3	3				
	20 05 70 4	Harmonic analysis study will not be required. However, during the commissioning harmonic	•		A Color	40/20/20		
nelsopetroni ttom	26 05 70-1 26 05 70-1	distortion readings should be taken. N. Petroni Can add.	3		Michaud	10/20/20	19	
nelsopetroni	26 09 13-2	Call add.	3		Michaud	10/20/20	10	
ttom	26 09 13-2	will revise	3		Wiichauu	10/20/20	13	
nelsopetroni	26 09 13-2	BE1-851	3		Michaud	10/20/20	19	
ttom	26 09 13-2	Will revise	3			., ., .		
nelsopetroni	26 09 13-5	SEL587Z	3	3	Michaud	10/20/20	19	
ttom	26 09 13-5	Will revise	3	3				
nelsopetroni	26 12 02-4	Minimum of 5% ??	3	3	Michaud	10/20/20	19	
		Can go lower from some manufacturers, but likely in the 5-6% range. Can add a minimum if						
ttom	26 12 02-4	desired. the LV MCC is rated for 65kA so the lower %Z is not a concern.	3					
nelsopetroni	26 12 02-5	Fuses are NOT required.	3		Michaud	10/20/20	19	
ttom	26 12 02-5	Will remove	3		Add to the second	10/20/20	40	
nelsopetroni	26 13 13-2	Delete: Swgr does not need to meet any PG&E requirements	3		Michaud	10/20/20	19	
nelsopetroni	26 13 13-2 26 13 13-4	Deleted Remove Square D from list	3		Michaud	10/20/20	10	
ttom	26 13 13-4	Will remove	3		Wiichauu	10/20/20	13	
nelsopetroni	26 13 13-4	Ground and Test Device	3		Michaud	10/20/20	19	
ttom	26 13 13-4	Can add	3		Wiichada	10/20/20	13	
nelsopetroni	26 13 13-4	Siemens	3		Michaud	10/20/20	19	
ttom	26 13 13-4	Will fix	3			., .,==		
nelsopetroni	26 13 13-4	Move Powell to position 2	3		Michaud	10/20/20	19	
ttom	26 13 13-4	Will move	3	3				
nelsopetroni	26 13 13-6	5. Provide cable supports. 6. Provide insulated boot covers for power terminal connections.	3	3	Michaud	10/20/20	19	
ttom	26 13 13-6	Will add	3					
nelsopetroni	26 13 13-6	5. Any louvers shall have provisions for filters.	3		Michaud	10/20/20	19	
ttom	26 13 13-6	Will add	3					
nelsopetroni	26 13 13-6	copper	3		Michaud	10/20/20	19	
ttom	26 13 13-6	Will edit	3		NA:-hd	40/00/00	10	
nelsopetroni ttom	26 13 13-6 26 13 13-6	to facilitate the connection of field cable shields. Will edit	3		Michaud	10/20/20	19	
LLUIII	20 13 13-0	An external 125VDC panel board shall provide one 40 amps breaker for breaker trip/close control,	3	•				
nelsopetroni	26 13 13-7	for the bus differential protection and the network switch power supply.	3	3	Michaud	10/20/20	19	
ttom	26 13 13-7	Will revise	3	3				
	20 12 12 0	Minimum of ten electrically independent stationary "a' & "b" auxiliary contacts that are wired to		,	NA:-bd	40/00/20	10	
nelsopetroni	26 13 13-9	terminal blocks.	3		Michaud	10/20/20	19	
ttom	26 13 13-9 26 13 13-9	Will add TOC - Minimum of six electrically independent "a" & "b" contacts wired to terminal blocks	3		Michaud	10/20/20	10	
nelsopetroni ttom	26 13 13-9 26 13 13-9	Will add	3		IVIICIIduu	10/20/20	19	
nelsopetroni	26 13 13-10	Will add 35:01:00			Michaud	10/20/20	19	
ttom	26 13 13-10	Will revise	, 3			10,20,20		
tto		All terminals (except for CT wiring) shall have a sliding link that provided a means of opening the						
nelsopetroni	26 13 13-11	All terminals (except for CT wiring) shall have a sliding link that provided a means of opening the circuit without removing any wiring.	3	3	Michaud	10/20/20	19	

Author (in gray row Responder (in whit rows)		Comments (in gray rows) Responses (in white rows)	ommenter Category	Assigned Responder	Date Answered Backchecked	Direct Costs (Appropirate markup addressed in the Cos Model by company
nelsopetroni	26 13 13-13	Do not mounted test switch on door.	3	Michaud	10/20/2019	model by company
tom	26 13 13-13	Will revise	3	IVIICIIauu	10/20/2019	
elsopetroni	26 13 13-13	Relays for Bus Differential: SEL587Z or similar.	3	Michaud	10/20/2019	
om	26 13 13-14	Will add	3	WIICHAGA	10/20/2015	
elsopetroni	26 13 13-15	Breaker status LEDs shall be integrated with the breaker control switch.	3	Michaud	10/20/2019	
om	26 13 13-15	Will revise	3	Wiichauu	10/20/2019	
elsopetroni	26 13 13-16	Replace this section with text in ATTACHMENT TO 23 13 13 Section 2.17	3	Michaud	10/20/2019	
om	26 13 13-16	Will check and revise as necessary	3	IVIICIIduu	10/20/2019	
3				Michaud		
om	26 13 13-16	See attachment	3	Michaud		
	26 13 13-16	Will revise per attachment	3	Michaud		
G	26 13 13-16		3			
elsopetroni	26 13 13-16		3	Michaud		
elsopetroni	26 13 13-16	Black letters with white background	3	Michaud	10/20/2019	
om	26 13 13-16	Will revise.	3			
arianojl	26 19 23-1	Will this need to meet IEEE-519?	3	Michaud	10/20/2019	
om	26 19 23-1	These drives will meet 519	3			
Isopetroni	26 19 23-10	Prefer to use SEL849	3	Michaud	10/20/2019	
om	26 19 23-10	Will revise	3			
Isopetroni	26 33 23-4		3	Michaud	10/20/2019	
om	26 33 23-4	no comment	3			
elsopetroni	26 33 23-4	Connection: Cord and Receptacle	3	Michaud	10/20/2019	
om	26 33 23-4	Will revise	3			
		The UPS shall be quickly replaced by unplugging the input connectors on the input & output and				
elsopetroni	26 33 23-4	plugging a new UPS.	3	Michaud	10/20/2019	
om	26 33 23-4	Will add more description	3	menada	10,20,2013	
htr	28 31 00-9	125	3	Rausch	10/20/2019	
naestri	28 31 00-9	will change	3	naascii	10/20/2013	
ihtr	28 31 00-9	Min. of 8	3	Rausch	10/20/2019	
naestri		okav. will revise	3	Ndustii	10/20/2019	
naestri	28 31 00-9		3			
		to be horns and shall sound the three-pulse temporal pattern specified for fire alarm systems by the			/ /	
nhtr	28 31 00-13	California State Fire Marshal.	3	Rausch	10/20/2019	
maestri	28 31 00-13	okay. will specify that.	3			
		Its not entirely clear where this is required. The geotech report says it should be used when "when				
AKEMOTOMW	31 23 23.15-6	subgrade soils are too soft or wet." How will this be determined during construction?	3	Davis	10/20/2019	
		Will clarify/correct. The intent is to identify remove material in the unexpected event that the				
davis1	31 23 23.15-6	material is unusually soft or organic that is undesirable.	3			
		Per geotech report " Rocks greater than 0.5 inches in any dimension should not be permitted in				
AKEMOTOMW	31 23 23.15-9	backfill."	3	Davis	10/20/2019	
davis1	31 23 23.15-9	Will add limitation to this bullet list	3			
		Per geotech report trench backfill under structures or pavement "should be mechanically				
AKEMOTOMW	31 23 23.15-9	compacted to at least 95 percent of maximum dry unit weight"	3	Davis	10/20/2019	
davis1	31 23 23.15-9	will clarify per the geotechnical design report and/or specifications	3			
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
OLUME 3						
G	00 01 10-4	Fire Extinguishers	3	Rausch	10/20/2019	
naestri	00 01 10-4	This is a markup of the table of contents. Unclear what the comment is referring to	3	0501	10, 20, 2013	
G	00 01 10-7	Are we specifying CFD model requirements in another spec, or just in the contract?	3	Crook	10/20/2019	
	00 01 10-7	CFD Modeling has been performed by Jacobs and is not required by the Manufacturer. HI standards	3	CIOUK	10/20/2015	
rook	00 01 10-7		3			
crook	00 01 10-7	only recognize physical modeling as required for conformance.	3			
		Might need the following specifications, or sections in the VTSH pump specification describing the				
		following in more detail - 1. Vibration and Critical Speed Control and Monitoring 2. Mounting and				
G	00 01 10-8	Alignment	3	Crook	10/20/2019	
rook	00 01 10-8	The VTSH pump spec includes sections covering vibration monitoring, mounting and alignment.	3			
G	33 05 01-2	Does Jacobs anticipate HS-25 loading anywhere?	3	Chandler	11/12/2019	
		HS-20 loading is standard. Designing for HS-25 could have an impact to pipe wall thicknesses. This				
am Chandler	33 05 01-2	was discussed during 12NOV2019 meeting and agreed no change to scope.	3			
		Not all submittals are informational, add reference to contract where we classify some submittals				
G	33 05 01-2	as imfornation and some submittals requiring action.	3	Chandler	10/20/2019	
		You are right, only this one item is. Action submittal requirements for conveyance piping are			., .,	
am Chandler	33 05 01-2	described in part A of this subsection of the spec.	3			
chanaici	55 05 01 2	How does Jacobs determine where 304SS and 316SS materials should be used? Follow SJ pipe	3			
	22.05.01.5	guidelines and specifically request exemptions to the piping guidelines. This comment is TYP, and	3	Manada: Chandi	10/20/2010	
3	33 05 01-5	shall apply to all specifications.	3	Maestri, Chandler	10/20/2019	

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rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder Dat	e Answered	Backchecked	iviodei by	company)
Sam Chandler	33 05 01-5	The design is per the BODR and the corrosion memo recommendations. The SJ guidelines were reviewed when those recommendations and the BODR were developed.		3					
balli Cilaliulei	33 03 01-3	Change to "Design Builder"? TYP comment applies to all specifications where "Jacobs' Engineer" is		3					
DG	33 05 01-6	used. This specification is between the City and Jacobs, not subs and Jacobs.		3	Maestri, Chandler	10/20/201	9		
Sam Chandler	33 05 01-6	Will revise as agreed upon in discussions about the Div 1 specs.		3	Wacstri, Charact	10/20/201	,		
DG	33 05 01-6	Include pipe lay diagram as part of the submittal list		3	Chandler	10/20/201	9		
Sam Chandler	33 05 01-6	Will update		3		., .,			
DG	33 05 01-6	Notify Design Builder?		3	Maestri, Chandler	10/20/201	9		
Sam Chandler	33 05 01-6	Will revise as agreed upon in discussions about the Div 1 specs.		3					
DG	33 05 01-8	"or where required per manufacturer's recommendation, or independent calculations'		3	Chandler	10/20/201	9		
Sam Chandler	33 05 01-8	Will update		3					
DG	33 05 13-11	Modify to give yourself some leeway, may not be possible to maintain flow, may need to bypass.		3	Chandler	10/20/201	9		
Sam Chandler	33 05 13-11	Will update to include bypass pumping/piping.		3					
		"and all connections to existing infrastructure", or similar. Basically, you will need to test							
DG	33 05 13-12	connections to existing manholes as well, just not the new MHs.		3	Chandler	12/6/201	9		
		Will update							
C Cl	22.05.42.42	CMD to see the see that the see		_					
Sam Chandler	33 05 13-12	GMP Assumption: No scope change.		3					
20	22.05.42.42	Add sentence requiring gaskets and appurtenances on existing manholes shall be replaced by the			61		•		
DG	33 05 13-12	Design Builder if they do not provide a good enough seal		3	Chandler	12/6/201	9		
		This adds scope to contract and is not standard for Jacobs projects							
Sam Chandler	33 05 13-12	GMP Assumption: No scope change.		3					
Sain Chandler	33 03 13-12			3					
		These submittals may not be information only if needing review by the Fire Department. Again,							
DG	33 12 19-1	include this submittal in the submittal list, and refer to spec that contains the Isubmittal list requiring action, or information only.		3	Chandler	10/20/201	n		
Sam Chandler	33 12 19-1	Will update to move Certificate of Compliance into Action Submittals.		3	Cilandiei	10/20/201	9		
Sain Chandler	33 12 19-1	What is a rule for placing hydrants on site? Are there rules governing distance from critical		3					
		infrastructure, or maximum distance between hydrants? Check with the Fire Department on							
DG	33 12 19-3	locations and no. of hydrants required for the site prior to finalizing design.		3	Chandler	10/20/201	۵		
Sam Chandler	33 12 19-3	Hydrant spacing is determined by California Fire Code, Appendix C.		3	Chandlei	10/20/201	9		
DG	33 13 00-3	Add "3", and list all the pipes requiring disinfection as part of the HW project		3	Chandler	10/20/201	9		
Sam Chandler	33 13 00-3	Will update		3	Change	10/20/201	,		
Jam Chanaici	33 13 00 3	Unsure why here, redundant. Compare specs with design guidelines drawings to ensure							
DG	33 41 01.03 DATA SHEET-1	consistency. Else, refer to design drawings if possible. TYP comment for other pipe tables as well.		3	Chandler	10/20/201	q		
50	33 41 01.03 DATA SHEET 1	Redundant with what - City standards, other Jacobs project specs, or ? The data sheets are		3	Chanaci	10/20/201	,		
		standard Jacobs data sheets intended to provide additional information to supplement piping specs							
Sam Chandler	33 41 01.03 DATA SHEET-1	and remove clutter from design drawings.		3					
Sam Chanaici	33 11 01:03 27(7)(3)(2) 1	Since Jacobs is disturbing the existing clay liner, Jacobs to verify and confirm whether the							
		Emergency Overflow Basin needs to be leak tested in accordance with applicable State and Federal							
		law. This verification is to be done prior to beginning work on the EOB should leak testing be							
DG	33 47 13.06-5	required prior to disturbing the existing clay liner.		3	Davis	12/6/201	9		
						, -,			
		City should review the current NPDS requirements to confirm if it is required. Jacobs and the City							
		are still in discussions on this issue. It will be clarified in the GMP if this is included in the current							
		scope of work							
		GMP Assumption: Include conducting one test. Assume City fills basin from existing nozzles, Kiewit							
pdavis1	33 47 13.06-5	supports, and Jacobs monitors for leak.		3				\$	14,000
DG	33 47 13.06-5	for how long?		3	Davis	10/20/201	9		
		this is a mixed/prepared base that requires setting up so no heavy duty construction traffic							
		permitted upon completion of subbase layer under concrete lining. concrete lining is to be placed							
pdavis1	33 47 13.06-5	directly over prepared soil-lime barrier		3			_		
DG	33 47 13.06-5	"DB"		3	Davis	10/20/201	9		
pdavis1	33 47 13.06-5	will add		3			_		
TAKEMOTOMW	35 20 16.25 SUPPLEMENT-2			3	Edwards	10/20/201	9		
		Will verify seating head, which is to the centroid of the gate disc when closed, and update as							
dedwards	35 20 16.25 SUPPLEMENT-2	•		3					
TAKEMOTOMW		Add travel distance to all self contained gates.		3	Edwards	10/20/201	9		
dedwards	35 20 16.25 SUPPLEMENT-2			3					
TAKEMOTOMW	35 20 16.25 SUPPLEMENT-2			3	Edwards	10/20/201	9		
dedwards		Will add header row on second page.		3					
DG	35 20 16.25 SUPPLEMENT-4	Indicate which gates are electrically actuated, and which ones are manually operated		3	Edwards	10/20/201	9		

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rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder Date A	nswered	Backchecked	Model b	y company)
dedwards	35 20 16.25 SUPPLEMENT-4	This will be clarified in the Operator Type/Control Style column Include list of fabricated stop plates to this table; suggest changing spec title to "Fabricated Stop Gates and Slide Gates". The City may want Jacobs to provide stop plates/gates as part of the projec	t	3					
DG	35 20 16.25 SUPPLEMENT-4	to isolate the screenings channel - see drawing comment log and discuss with ops on 10/22.		3	Edwards	10/20/20	19		
dedwards	35 20 16.25 SUPPLEMENT-4	Will add stop gate plate schedule if stop gate plates will be supplied on the project. 40 50 15 1.03 A - Is the definition of wetted or submerged areas intended to be used to identify locations with specific material or coating requirements? If so specific requirements for pipes		3					
TAKEMOTOMW	40 05 15-1	supports located in these areas are not included in this specification section.		3	Edwards	10/20/20	19		
		Per paragraph 2.01.C, pipe support materials are in accordance with the Material Selection Table a shown in the General Section of Drawings. This table identifies each area within the project and	s	-		20,20,20			
dedwards	40 05 15-1	defines the pipe support material required for that area. Who is designing the pipe supports? Add line stating "All pipe supports are designed by the	"	3					
DG	40 05 15-2	(DB, Vendor, combination thereof, etc.)		3	Edwards	10/20/20	19		
dedwards	40 05 15-2	The DB is designing the pipe supports. This will be clarified in the 90% documents		3					
DG	40 05 15-2	Does this have to comply with Cat. IV requirements?		3	Edwards	10/20/20	19		
dedwards	40 05 15-2	Yes, Cat. IV will be utilized for the seismic design of the pipe support systems		3	01	401001	••		
DG .	40 80 02-1	3.01 (TYP)		3	Crook	10/20/20	19		
scrook	40 80 02-1	Noted, will correct.		3					
200	40.00.02.4	Add "D" that briefly describes the extent of the structures/systems (upstream/downstream		_	6	40/20/20	••		
DG scrook	40 80 02-1 40 80 02-1	boundary conditions) that are being physically modeled as part of this Contract. This is already described in 3.02.		3	Crook	10/20/20	19		
DG	40 80 02-1	B. All software package source files shall be provided to the City, upon request.		3	Crook	10/20/20	10		
scrook	40 80 02-2	This will be incorporated.		3	CIOOK	10/20/20	19		
SCIOOK	40 80 02-2	Who owns the physical model? If the City owns the model, state "physical model shall be provided		3					
DG	40 80 02-2	to the City upon request". City may elect to display the model, as required.		3	Crook	12/6/20	19		
		The size of the model makes it unlikely to be transportable. This was still under discussion as this document was being finalized. If this is to be provided will be clarified the GMP, if it is not clarified then providing the model to the City is not included in the GMP.							
scrook	40 80 02-2	GMP Assumption: Assume physical model can be shipped and include costs within cost model.		3				\$	15,000
DG	40 80 02-4	DB		3	Crook	10/20/20	19		
scrook	40 80 02-4	Will modify in 90% spec.		3					
DG .	40 80 02-5	Move to Part 1? This is general summary of spec.		3	Crook	10/20/20	19		
scrook DG	40 80 02-5 40 90 00	Movement to Part 1 will be considered.		3	F-I	10/20/20	10		
byouker	40 90 00	Add S.No. so we have count of the I/O list This will be provided in the 90%		3	Foley	10/20/20	19		
DG	40 90 00	Add headers to all I/O pages (TYP)		3	Foley	10/20/20	10		
byouker	40 90 00	this will be fixed in the 90% design phase		3	Toley	10/20/20	13		
DG	40 90 00	Incorrect HW3 DCU numbering (TYP) - change from 14 to 50.		3	Foley	10/20/20	10		
byouker	40 90 00	okay		3	Toley	10/20/20	1,5		
DG	40 90 00-1	Include some in this specification the table from the SI scope of work that clearly designates what work Jacob is doing as opposed to what the SI is doing. There should be no ambiguity in scope. This is covered in the contract between Jacobs and the sub. Will discuss further with the City how		3	Foley	10/20/20	19		
byouker	40 90 00-1	much of this needs to be included in this spec.		3					
DG	40 90 00-2	"shall be"		3	Foley	10/20/20	19		
byouker	40 90 00-2	Will review "shall be" vs "will be"		3	Toley	10/20/20	1,5		
DG	40 90 00-2	Indicate version		3	Foley	10/20/20	19		
byouker	40 90 00-2	Will update		3	,	,, 20			
DG	40 90 00-2	Specify version of the Automation Masterplan		3	Foley	10/20/20	19		
byouker	40 90 00-2	ok		3					
DG	40 90 00-2	Indicate version of SOP AM100		3	Foley	10/20/20	19		
byouker	40 90 00-2	Will update Some abbreviations listed in the spec are not on the drawings, check and make sure they are		3					
DG	40 90 00-3	consistent throughout (TYP comment for all specifications including abbreviations)		3	Foley	10/20/20	19		
byouker	40 90 00-3	If the abbreviation is listed in the spec, and not used on drawings, then they are coordinated.		3					
DG	40 90 00-6	See comment on Page 1, insert scope table		3	Foley	10/20/20	19		
byouker	40 90 00-6	see response above.		3					
DG	40 90 00-6	add "and associated weather protection shields"		3	Foley	10/20/20	19		
byouker	40 90 00-6	Not necessary to add language.		3					
DG	40 90 00-12	Is Jacobs providing the loop diagrams, or is the PCI?		3	Foley	10/20/20	19		
byouker	40 90 00-12	Jacobs is providing them		3					
DG	40 90 00-16	We allso need an "O&M coordination meeting" to get CIP, O&M, Jacobs, the PCI, and Kiewit on the same page.		3	Foley	10/20/20	19		
	.0 30 00 10	···- F-0-·		,	,	10/20/20	-		

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byouker	40 90 00-16	Will add.		3	5.1.	40/20/204	•	
DG .	40 90 00-18	Is all field instrumentation being provided by Jacobs without exception>		3	Foley	10/20/201	9	
byouker	40 90 00-18	Some provided by equipment manufacturer to Jacobs, but in the end yes it is all provided by Jacob		3				
DG	40 90 00-20	Colors to be provided by the City	J.	3	Foley	10/20/201	9	
50	10 30 00 20	City to provide at least 8 weeks prior to the 90% submittal if it is to be listed specifically in the		3	10.07	10/20/201		
byouker	40 90 00-20	specifications.		3				
		Has the DCU and LCP manufacturer been discussed with the City? Is this equipment similar to what	:					
DG	40 90 00-27	ABB is currently helping the City install?		3	Foley	10/20/201	9	
		these are being provided by ABB and will be similar to what is currently being provided under other	r					
byouker	40 90 00-27	contracts.		3				
DG	40 90 00-32	Note to City: These colors need to be reviewed and confirmed. Same for wiring.		3	Foley	10/20/201	9	
byouker	40 90 00-32	Acknowledged.		3		/ / /		
DG	40 90 00-35	Are the required test documentation defined somewhere?		3	Foley	10/20/201	9	
byouker	40 90 00-35	these will be further defined in the 90% design documents. Does the City have he right to reject testing? Consider including the FAT requirements in the		3				
DG	40 90 00-35	submittal list.		3	Foley	10/20/201	۵	
byouker	40 90 00-35	yes		3	Toley	10/20/201	3	
DG	40 90 00-35	What are Unwitnessed Factory Tests, and is this defined?		3	Foley	10/20/201	a	
byouker	40 90 00-35	Factory tests which are not attended by Jacobs.		3	Toley	10/20/201	,	
by ounce	10 30 00 33	It appears that the corrosion protection work for the project are being done by Jacobs, SJE and a 3i	rd					
DG	40 90 00-35	party		3	Foley/Wenger	10/20/201	9	
byouker	40 90 00-35	This is the corrosion protection of the control panels.		3				
DG	40 90 00-36	Jacobs to provide copies of all FATs distributed to the vendors for review.		3	Foley	10/20/201	9	
byouker	40 90 00-36	Jacobs will provide all test documentation		3				
DG	40 90 00-37	Does this refer to Jacobs? I assume equipment not purchased by the PCIS is provided by Jacobs.		3	Foley	10/20/201	9	
byouker	40 90 00-37	Correct.		3				
DG	40 90 00-38	This is a little confusing, may need further discussion. As has been commented elsewhere, these specifications are the contractual agreement between the DB and the City. However, these specifications read like they are a contract between Jacobs and the subcontractor. Further discussion is required prior to making the changes throughout the specifications.		3	Foley	10/20/201	9	
byouker	40 90 00-38	Agreed.		3	Toley	10/20/201	,	
DG	40 90 00-40	All performance test data and documentation to be provided to the City		3	Foley	10/20/201	9	
byouker	40 90 00-40	The documentation to the City does not belong in the specification.		3	,			
DG	40 91 00	Add S.No.		3	Foley	10/20/201	9	
byouker	40 91 00	this will be added in the 90% design phase		3				
DG	40 91 00	Add headers		3	Foley	10/20/201	9	
byouker	40 91 00	Will add		3				
DG	40 91 00	Where is model no. listed? (TYP for all data sheets with model numbers listed)		3	Foley	10/20/201	9	
byouker	40 91 00	Will be listed during next phase of design.		3				
DG	40 91 00	Add location of analyzers (or meters, etc. TYP for all data sheets)		3	Foley	10/20/201	9	
byouker	40 91 00 40 91 00	Tag number provides information as to location. When Loop Title is added, this will also help. All warranty requirements are being reviewed by the City.		3	Fala	10/20/201	0	
DG byouker	40 91 00	All warranty requirements are being reviewed by the City. Acknowledged.		3	Foley	10/20/201	5	
DG	40 91 00	Add number of analyzers (or meters, TYP comment for all data sheets)		3	Foley	10/20/201	a	
byouker	40 91 00	There is one data sheet for each instrument.		3	Toley	10/20/201	3	
-,		O&M wants a list with all equipment used in the project - make and model for review before the						
DG	40 91 00	GMP? The City has seen some of the models/makes, but not everything in one place for review.		3	Foley	10/20/201	9	
		The manufacturer is identified in the instrument list. the only manufacturer that was in question is	i					
byouker	40 91 00	the mag meters, which is being discussed at the PM level		3				
DG	40 91 00-1	Are these eO&Ms?		3	Foley	10/20/201	9	
byouker	40 91 00-1	O&Ms are submitted electronically.		3				
DG	40 91 00-1	"The DB shall rectify"		3	Foley	10/20/201	9	
byouker	40 91 00-1	Believe this is correct as written.		3				
DG .	40 91 00-2	Refer version		3	Foley	10/20/201	9	
byouker	40 91 00-2	version number will be added		3	r.t.	40/22/22	•	
DG	40 91 01 SUPPLEMENT-1	Confirm whether a third PS is needed at HW3		3	Foley	10/20/201	9	
byouker DG	40 91 01 SUPPLEMENT-1 40 91 01 SUPPLEMENT-2	Per recent direction, a 3rd pump station for storm water will be added. add a line stating why 209 mgd is the design criteria (DWF)		3	Fala	10/20/201	0	
	AUMI UL SUPPLEMENT-2	agg a mie statink wux zoa mko is me deziku chieria (DMF)		3	Foley	10/20/201	9	

						Direct Costs
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		40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screenings Handling, 3rd paragraph: As noted in the 30% review, operating the compactors in pairs (as currently configured) requires that both dumpsters need to be in-service. This will require additional hauling 0&M as the dumpsters will likely be hauled away before they are full due to odor potential. In addition, one of the screenings washer in each pair will need to be turned off when a dumpster is not present (i.e. during pick up and hauling). O&M staff will need to isolate and turn off those washers when this				
TAKEMOTOMW	40 91 01 SUPPLEMENT-3	occurs.	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-3	Agree. Will review wording.	3	roley, rouker	10/20/2013	
		40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screenings Handling, 2nd paragraph: Note the trough operation timer needs to be based on when the cleaning cycle ends not when it				
TAKEMOTOMW	40 91 01 SUPPLEMENT-3	starts. Last sentence is incomplete.	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-3	Agree	3			
		40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screens: Under lead/lag/standby the number of screens in service is controlled by flow or by HIGH LEVEL upstream. Will the standby				
TAKEMOTOMW	40 91 01 SUPPLEMENT-3	screen be automatically called into service if needed?	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-3	Yes.	3			
TAVENACTORAN	40.04.04.CUDDI FMENT 2	40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screenings Handling: The term IN- SERVICE screen cleaning status seems redundant. Only in service screens would be cleaned.	2	Falan Mandaa	10/20/2010	
TAKEMOTOMW	40 91 01 SUPPLEMENT-3 40 91 01 SUPPLEMENT-3	Simpler to just state that the trough will run when any screens are cleaned.	3	Foley/Youker	10/20/2019	
byouker	40 31 01 30 LAFEMEN 1-3	Agree. 40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screens: Not clear what OFF-TIME	3			
TAKEMOTOMW	40 91 01 SUPPLEMENT-3	means; please define.	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-3	The time between screen cleaning cycle.	3		23,23,2020	
		40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screens, 4th paragraph: What takes				
		precedent for clearing a High Level condition, putting more screens in service or increasing the cleaning speed? How does the speed increase work with regard to sequential cleaning? The speed on the screen being cleaned could be continually increased, meanwhile other screens would continue to accumulate material, increasing headloss. Suggests adding more detail on how				
TAKEMOTOMW	40 91 01 SUPPLEMENT-3	increasing speed will be used.	3	Foley/Youker	10/20/2019	
		Will develop more during next phase of design. But in general, the screens will be called to clean; if differential increases, then speed increases; at 100% speed, if high level, then bring on additional				
byouker	40 91 01 SUPPLEMENT-3	screen.	3			
		40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screens: Is there a distinction between HIGH LEVEL and HIGH DIFFERENTIAL LEVEL? As written both terms a used to in reference to the start of a cleaning cycle. This is especially important because the water level in the screening channel is influence by the Raw Sewage PS operating water level. The operation of the RSPS needs				
TAKEMOTOMW	40 91 01 SUPPLEMENT-3	to be factored into the control and setpoints used for the screens.	3	Foley/Youker	10/20/2019	
		Agree. High level is absolute level, high differential is different between upstream/downstream. Starting a RS Pump could draw down the downstream level and create a high differential. Will be				
byouker	40 91 01 SUPPLEMENT-3	working on strategies during next phase.	3			
DG	40 91 01 SUPPLEMENT-4	Discuss Structure A and that the City is planning to install a level sensor at Structure A. If so, will the HW3 pumps factor in levels at Structure A?	3	Foley	10/20/2019	
byouker	40 91 01 SUPPLEMENT-4	Will review and add if pertinent	3	roley	10/20/2019	
Бубаксі		40 91 01 Supplement 4.3 Raw Sewage Pump Station 3, Raw Sewage Pumping, 2nd paragraph: Since the RSPS directly controls the water level in the screens, the cleaning cycle needs to be coordinate with operation of the screens. Also confirm anticipated water level changes with screen manufactures. Some manufactures require a minimum water depth in the screen channel to	J			
TAKEMOTOMW	40 91 01 SUPPLEMENT-4	provide flushing to keep debris out of the lower chain sprockets.	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-4	Will review. The lowest operating setpoint still provides considerable depth in channels.	3		., .,	
TAKEMOTOMW	40 91 01 SUPPLEMENT-4	40 91 01 Supplement 4.4 HW3 Grit Removal: Grit pumps are also dedicated to a specific grit unit	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-4	Correct.	3			
TAKEMOTOMW	40 91 01 SUPPLEMENT-4	40 91 01 Supplement 4.2 HW3 Screenings Removal, Influent Screenings Handling, 4th paragraph: Discussion on compactor operation is similar to the discussion on sluice trough operation. Clarify if the operation of the two is tied together in the control system (i.e. both operate at the same time with the same operator timers input/variables) or if the systems are operated independently.	3	Foley/Youker	10/20/2019	
hvouker	AO O1 O1 CURRIENT A	Will review. But intent is that both w-c's operate with same controls. If a dumpster is removed, the	3			
byouker	40 91 01 SUPPLEMENT-4	w-c is taken out of service and is not available for operation. 40 91 01 Supplement 4.3 Raw Sewage Pump Station 3, Raw Sewage Pumping, 4th paragraph:	3			
TAKEMOTOMW	40 91 01 SUPPLEMENT-4	40 91 01 Supplement 4.3 kaw Sewage Pump Station 3, kaw Sewage Pumping, 4th paragraph: Assume 95% refers to % speed.	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-4	Correct, 95% speed.	3	i diey/ rouker	10/20/2019	
_, , , , , , , , , , , , , , , , , , ,	.5 52 52 551 ELIVIDIA 1-4		,			
dbpeters	40 91 01 SUPPLEMENT-4	Will information on interlocks and alarms be added to this spec section? (typical of all equipment).	3	Foley/Youker	10/20/2019	
byouker	40 91 01 SUPPLEMENT-4	Yes. more complete loop descriptions will be developed.	3			

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ows)	Page Label	Comments (in gray rows) Responses (in white rows) Commenter	Category	Assigned Responder	Date Answered	Backchecked	Model by company)
AKEMOTOMW	40.04.04.CUDDLENATNT 4	40 91 01 Supplement 4.3: Will an additional pump be called to run sooner, i.e. before the set period	2	F=1=//=1-=-	10/20/20	110	
youker	40 91 01 SUPPLEMENT-4 40 91 01 SUPPLEMENT-4	expires, if the level continues to drop? Control strategies being evaluated, in conjunction with RSPS2.	3	Foley/Youker	10/20/20)19	
G	40 91 01 SUPPLEMENT-4	Should HW3 and HW2 be controlled off of flow?	3	Foley	10/20/20	110	
16	40 91 01 SUPPLEMENT-4	No, cannot control two pump stations on flow. One is flow controlled, and the other is level	3	Foley	10/20/20	119	
		controlled to pump the balance of flow. In the case of flow controlled, this can be in the form of					
youker	40 91 01 SUPPLEMENT-4	"constant speed" or "base loading".	3				
younci	10 31 01 0011 221112111 1	This implies the flushing valve is operated based on the grit pump operation. The paragraph above					
		on this page indicated the flushing valve operated based on the grit unit inlet gate being open.					
AKEMOTOMW	40 91 01 SUPPLEMENT-5	Please confirm.	3	Foley/Youker	10/20/20)19	
youker	40 91 01 SUPPLEMENT-5	Will review sequence of valve.	3	,			
		Trying to balance flow amongst 3 or 4 units by throttling the inlet gates may be challenging.					
		Additional details are needed for this operation and specifically how the PCS will try to balance flow					
AKEMOTOMW	40 91 01 SUPPLEMENT-5	across multiple units.	3	Foley/Youker	10/20/20)19	
youker	40 91 01 SUPPLEMENT-5	Agree. will develop during next phase of design.	3				
AKEMOTOMW	40 91 01 SUPPLEMENT-5	Confirm that the inlet gates and motorized actuators are beings specified for modulating duty.	3	Foley/Youker	10/20/20)19	
youker	40 91 01 SUPPLEMENT-5	Not 4-20mA, but Open/Stop/Close with position feedback.	3				
		Note that at some point between 209 MGD and 260 MGD to HW3, the grit effluent weirs will					
		become submerged. It is unlikely that the flow balancing scheme will be able to function during					
AKEMOTOMW	40 91 01 SUPPLEMENT-5	this condition given the relatively low headloss over a submerged weir.	3	Foley/Youker	10/20/20)19	
		The weirs become submerged at total flows greater about 350mgd (which creates high level in					
		California Structure), then a function of the flow split between HW2 and HW3. So the flow splitting					
youker	40 91 01 SUPPLEMENT-5	function deteriorates at very high flows.	3				
	40.04.04.04.04.00.51.451.7.0	First sentence indicates bins will have hinged covers. The second sentence indicates covers will be	_	File Mr. Liv	40/20/20		
AKEMOTOMW vouker	40 91 01 SUPPLEMENT-6 40 91 01 SUPPLEMENT-6	provided in the future if needed. Please confirm.	3	Foley/Youker	10/20/20)19	
AKEMOTOMW	40 91 01 SUPPLEMENT-8	Covers would be provided in future if required. Not by DB Contractor. Assume pumps will be operated based on a level sensor? Confirm.	3	Foley/Youker	10/20/20	110	
vouker	40 91 01 SUPPLEMENT-8	Pumps will be operated based on Level-control.	3	roley/ fouker	10/20/20)19	
youkei	40 91 01 30FF LLIVIENT-8	Is this higher than the pump operation High-High Level listed above? Need to reconcile alarm/set-	3				
AKEMOTOMW	40 91 01 SUPPLEMENT-8	point naming.	3	Foley/Youker	10/20/20	119	
youker	40 91 01 SUPPLEMENT-8	Agree. Setpoints, delays, and alarm levels will be reviewed.	3	roley, rounci	10/20/20	,13	
younci	10 31 01 3011 221112111 0	Theoretically the High-High Level will always be active immediately after LAG1 turns on. How long					
AKEMOTOMW	40 91 01 SUPPLEMENT-8	does the system wait before it turns after LAG2, etc.?	3	Foley/Youker	10/20/20)19	
		Setpoints to be determined/verified. There would also be a delay to allow Lag1 pump to lower the					
youker	40 91 01 SUPPLEMENT-8	liquid level. If it doesn't in approx 20-30 seconds, then Lag2 pump would start	3				
G	40 91 01 SUPPLEMENT-8	Discuss sampling, are we providing a pump?	3	Foley	10/20/20)19	
youker	40 91 01 SUPPLEMENT-8	There is a sampler being added at California Structure with no pump.	3				
AKEMOTOMW	40 91 01 SUPPLEMENT-9	Confirm High Level alarm naming.	3	Foley/Youker	10/20/20)19	
youker	40 91 01 SUPPLEMENT-9	Will review naming of level setpoints, alarm setpoints.	3				
		Lot of information, will be helpful if condensed. Include a table showing operation strategy for all					
G .	40 91 01 SUPPLEMENT-9	pump systems. This can be expanded later on to include actual level information.	3	Foley	10/20/20)19	
youker	40 91 01 SUPPLEMENT-9	Acknowledged. Can discuss if required during next phase of design.	3	5.1. No. 1	40/20/20	240	
AKEMOTOMW	40 91 01 SUPPLEMENT-9	Missing control sentence for turning off the lead pump, which would still be on at this point.	3	Foley/Youker	10/20/20	119	
youker AKEMOTOMW	40 91 01 SUPPLEMENT-9 40 91 01 SUPPLEMENT-9	Will add. Is this High Level different than than high level used for Pumps 1 and 2?	3	Enlay/Vaukar	10/20/20	110	
youker	40 91 01 SUPPLEMENT-9 40 91 01 SUPPLEMENT-9	Yes. Will correct naming of the different level used for Pumps 1 and 2?	3	Foley/Youker	10/20/20	113	
youker G	40 95 80-2	Management Information System	3	Foley	10/20/20	119	
youker	40 95 80-2	Will added/correct.	3	. 0.01	10,20,20		
elsopetroni	40 95 80-3	specs missing	3	Foley	10/20/20)19	
youker	40 95 80-3	Will review and add as needed.	3	,	10/20/20		
G	40 95 80-6	Ensure that FO cable used is the one specified earlier by the City	3	Foley	10/20/20)19	
youker	40 95 80-6	Will review.	3		., -,-		
G	40 95 80-7	See comment on fiber make/model required by City	3	Foley	10/20/20)19	
youker	40 95 80-7	Acknowledged.	3				
elsopetroni	40 96 00-3		3	Foley	10/20/20)19	
ouker/	40 96 00-3	Will revise.	3				
elsopetroni	40 96 00-3	Headworks #3	3	Foley	10/20/20)19	
youker	40 96 00-3	Will revise	3				
G	40 96 00-4	How many workshops are planned?	3	Foley	10/20/20)19	
youker	40 96 00-4	6 are listed. Some could be combined.	3				
G	40 96 00-9	version?	3	Foley	10/20/20)19	
ouker/	40 96 00-9	version number will be added	3				
G	40 96 00-12	The City would like to review and approve all graphics prior to purchase.	3	Foley	10/20/20)19	
youker	40 96 00-12	it will be part of the software review process.	3				
G	40 99 90-1	Add "C." listing all the package control system provided as part of the project.	3	Foley	10/20/20		

Author (in gray rows) Responder (in white rows)	Para label	Comments (in gray rows) Responses (in white rows)	Commenter Cat		Assistant Research		Backchecked	Direct Costs (Appropirate markups addressed in the Cost Model by company)
	Page Label			egory	Assigned Responder	Date Answered	васкспескей	wioder by company)
byouker DG	40 99 90-1 40 99 90-2	Currently no packaged control systems. All controls in SCADA.		3	Falan	10/20/20	10	
DG	40 99 90-2	Who will be performing the anchoring and bracing calculations, the DB or vendors? See 01 88 15. Sometimes the vendors do it, but usually they provide the information for the DB		3	Foley	10/20/20	19	
byouker	40 99 90-2	Contractor to perform.		3				
DG	40 99 90-3	"or equal"		3	Foley	10/20/20	10	
byouker	40 99 90-3	Will add.		3	Toley	10/20/20	13	
by ounci	10 33 30 3	Note to City: Verify whether the manufacturers and model numbers are acceptable. Per City,		,				
		Jacobs to provide a list of equipment and vendors in one table for City to review and approve prior						
DG	40 99 90-5	to GMP.		3	Foley	10/20/20	19	
byouker	40 99 90-5	Acknowledged.		3	·			
		Jacobs to verify sizing of all control panels prior to GMP to ensure a) the panels, switchgears, etc. fil through the double doors of the electrical building, and b) to ensure that there is enough room in the electrical building to move paneling from one end of the room to the other (in case anything						
DG	40 99 90-5	needs to be replaced)		3	Maestri	10/20/20	19	
byouker	40 99 90-5	acknowledged		3				
DG	40 27 02 SUPPLEMENT-1 P	Complete table with Tag Numbers		3	Edwards	10/20/20	19	
dedwards	40 27 02 SUPPLEMENT-1 P	Tag numbers will be added.		3				
DG	40 27 02 SUPPLEMENT-3 P	?		3	Edwards	10/20/20	19	
dedwards	40 27 02 SUPPLEMENT-3 P	This is backflow prevented WTR1.		3				
DG	41 22 23.20-1	Call out location		3	Youker	10/20/20	19	
Bryan Youker	41 22 23.20-1	Equipment No. and Name are consistent with all sections. No "location" needed.		3	Vaules	40/00/00	10	
TAKEMOTOMW	41 22 23.20-3	Materials of construction not specified.		3	Youker	10/20/20	19	
Bryan Youker	41 22 23.20-3	Intent for manufacturer's standard.		3	Varilian	10/20/20	10	
TAKEMOTOMW Bryan Youker	41 22 23.20-3 41 22 23.20-3	Stainless steel Will add "stainless steel".		3	Youker	10/20/20	19	
DG Bryan Youker	41 22 23.20-3	Considering the location, suggest this be NEMA 6P or similar		3	Youker	10/20/20	10	
Bryan Youker	41 22 23.20-3	NEMA 4X is sufficient for this application.		3	Toukei	10/20/20	19	
biyan roukei	41 22 23.20-3	NEWIA 4X IS SUFFICIENT FOR THIS application.		3				
TAKEMOTOMW	41 22 23.20-4	Confirm coating system does not need to comply with the protective coating specification provided		3	Youker	10/20/20	19	
Bryan Youker	41 22 23.20-4	Manufacturer's standard is sufficient.		3	Tounci	10/20/20	2.5	
TAKEMOTOMW	41 22 23.20 SUPPLEMENT-1			3	Youker	10/20/20	19	
Bryan Youker		No winches needed for grit dumpsters.		3				
TAKEMOTOMW	41 22 23.20 SUPPLEMENT-1	Confirm required winch capacity needed to move the dumpster when full/partially full.		3	Youker	10/20/20	19	
		10 tons is sufficient. Winch is used when dumpster is partially full. when dumpster is full, no need						
Bryan Youker	41 22 23.20 SUPPLEMENT-1	to move. If it is determined that we have to remove VOCs, would we go with the same manufactures, and		3				
DG	44 31 00-7	how would this experience requirement change?		3	Cowden	10/20/20	19	
scowden	44 31 00-7	Same manufacturers but would likely want some specific experience related to VOC removal.		3	comacii	10/20/20	23	
DG	44 31 00-9	Why no consideration of "or equals", other specifications contain the "or equal" clause.		3	Cowden	10/20/20	19	
		We need to be more specific related to bio-trickling filter suppliers. There are other suppliers that				, , ,		
scowden	44 31 00-9	are less reputable. Need to protect the City.		3				
DG	44 31 00-9	What is the source of this H2S inlet information?		3	Cowden	10/20/20	19	
scowden	44 31 00-9	See previous Odor Study dated 2015. H2S levels developed directly from measured data.		3				
DG	44 31 00-10	Mention source of information		3	Cowden	10/20/20	19	
		Source of WTR3 water quality came from multiple data points provided by the City. I don't see a						
scowden	44 31 00-10	reason to include the source of information in a technical specification.		3				
DG .	44 31 00-10	Add "Surface Loading Rates" in cfm/ft2		3	Cowden	10/20/20	19	
scowden	44 31 00-10	Surface Loading rate will be added to next spec iteration.		3				
DG	44 31 00-18	Basket strainers need tag numbers		3	Cowden	10/20/20	19	
scowden	44 31 00-18	Tag number will be added.		3	Camilan	40/00/00	10	
DG scowden	44 31 00-18 44 31 00-18	Do we need a sampling pump and port at the bottom of the odor control system? The sampling pump is located in the water control panel. No need for an additional port.		3	Cowden	10/20/20	19	
DG	44 31 00-18 44 31 00-19	What is the quantity?		3	Cowden	10/20/20	10	
scowden	44 31 00-19	Quantity is dictated by Supplier.		3	COWUCII	10/20/20	1.5	
3cowucii	77 J1 UU-13	If required to remove VOC's, do the FATs change? For example, we may need the mfr. to prove that		J				
DG	44 31 00-20	they can meet our threshold limits prior to installation on site.		3	Cowden	10/20/20	19	
		If we require VOC removal limits, there really isnt any Factory Tests that can "prove" performance. We would simply include performance limits and the Supplier would be required to meet as part of						
scowden	44 31 00-20	their Performance Guarantee.		3				
		Suggest adding reference to Section 40 99 90 as done on other specs for additional details on what		_				
		is required from the Manufacturer in order to integrate the Manufacturer's standard control logic						
TAKEMOTOMW	44 42 30-3	into the PCS.		3	Youker	10/20/20	19	
Bryan Youker	44 42 30-3	Will make consistent with other specs with similar requirements.		3				
TAKEMOTOMW	44 42 30-5	316L		3	Youker	10/20/20	19	
Bryan Youker	44 42 30-5	Agree. will revise to 316L		3				

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rows)	Page Label		menter Category	Assigned Responder Date Answered	Backchecked	iviodel by	company)
TAKEMOTOMW	44 42 30-5	Not clear what is meant by scrapers. Scrapers are required to clean screenings off of the rakes and into the discharge chute per spec language below.	3	Youker 10/20/	2010		
Bryan Youker	44 42 30-5	Will review and clarify if required.	3	10/20/	2019		
TAKEMOTOMW	44 42 30-5	Confirm minimum water elevation during RS PS cleaning cycle.	3	Youker 10/20/	2010		
TAREINIOTOWW	44 42 30-3	Minimum water level could be less than -1.0, but this is not a design condition in terms of flow rates. In addition, the actual HGL during a flushing cycle has yet to be determined and will be a	3	10/20/	2013		
Bryan Youker	44 42 30-5	matter of trial-and-error to move material.	3				
TAKEMOTOMW	44 42 30-5	Hydraulic profile shows EL 2.53. Confirm this is at the max RS PS operating level.	3	Youker 10/20/	2019		
		The max RS PS level could be a little higher, but from a design perspective EI 2.5 is accurate. If					
Bryan Youker	44 42 30-5	water is deeper, then less headloss through screen.	3				
TAKEMOTOMW	44 42 30-6	upstream	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-6	Max level and max upstream level are essentially the same. Will add "upstream" to clarify.	3				
DG	44 42 30-7	what is the angle of the discharge chute from the horizontal? 60-degrees? state.	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-7	Will state minimum angle.	3				
TAKEMOTOMW	44 42 30-7	316?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-7	Will confirm with manufacturer.	3				
DG	44 42 30-7	Scraper blade made of UHMW material?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-7	Will verify with manufacturer standard design.	3				
DG	44 42 30-7	typ 4mm thick	3	Youker 10/20/	2019		
		1/8" is adequate to guide material from screen to sluice. Will confirm with screen manufacturer					
Bryan Youker	44 42 30-7	typical thickness.	3				
DG	44 42 30-7	Provide shock absorbers to cushion the release of the wiper.	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-7	Will confirm with manufacturer.	3				
DG	44 42 30-7	Provide a flange rubber discharge chute guide (min 6mm thick) to direct screenings to the conveyor	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-7	I don't think this is necessary if chute directs material into sluice.	3				
TAKEMOTOMW	44 42 30-7	Confirm material. All other components are listed as 316 or 316L.	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-7	Will confirm with manufacturer.	3				
TAKEMOTOMW	44 42 30-8	Type?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-8	Will get input from mfr.	3				
TAKEMOTOMW	44 42 30-8	Chain guides are specified in the previous subheading. Reconcile.	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-8	Will clean up.	3				
TAKEMOTOMW	44 42 30-8	Type?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-8	per other comments, Huber uses	3				
TAKEMOTOMW	44 42 30-9	Confirm location, typically near the top of the screen.	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-9	Will clarify	3				
TAKEMOTOMW	44 42 30-9	Redundant	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-9	Agree. will delete.	3				
TAKEMOTOMW	44 42 30-9	Is there a minimum flume flow?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-9	No.	3				
		Is the sluice cover a hinged cover panel with handles? How many sections of cover panel/ Suggest					
DG	44 42 30-10	3 or 4 sections to facilitate easy removal.	3	Youker 12/6/	2019		
		4-ft max length; bolted, not hinged. Per 10/22 meeting City would prefer hinged if possible. Will					
		review if it is feasible to still allow for the needed access. This would have a cost impact.					
Bryan Youker	44 42 30-10	GMP Assumption: Include 6 hinged panels.	3			\$	6,000
TAKEMOTOMW	44 42 30-10	Schedule? 10? 40?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-10	Will add Sch 10.	3				
		General Comment: Verify that all vendors are meeting CIP seismic guideline requirements, via					
DG	44 42 30-10	testing or calculations (TYP for all disciplines)	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-10	Covered in 01 45 36.	3				
TAKEMOTOMW	44 42 30-10	Seismic requirements?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-10	Defined in Structural spec. Can reference from here.	3				
TAKEMOTOMW	44 42 30-11	Requirements for gate type or material?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-11	This part of design still in development.	3				
TAKEMOTOMW	44 42 30-11	Type?	3	Youker 10/20/	2019		
Bryan Youker	44 42 30-11	Will provide V#.	3				
DG	44 42 30-14	A380-99	3	Youker 10/20/	2019		
RW057495	44 42 30-14	Will update.	3				

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rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder Date Answered	Backchecked	Model by co	
	·	Are the only spare parts provided the tools? Recommend the following be included: 1. Two (2) sets of 3/8" rake bars, or two sections of 3/8" screen face. 2. Four (4) sets of rakes/combs. 3. Two (2) five foot long chain segments 4. Two (2) lower bearing assemblies 5. Two (2) wipers for scrape: 6. Two (2) proximity switches 7. Two (2) of each size fuse used in the control panels 8. Two (1) of each type of indicator light used in the control panels 9. Two (2) of each type of relay used in the control panels 10. One (1) of each type of I/O card used for the PLC in the control panels 11. One						
DG	44 42 40-3	(1) spare PLC power supply used for the PLC in the control panels.		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-3	Will coordinate final spare parts list per discussions with Owner.		3				
TAKEMOTOMW	44 42 40-3	6 x 46 = 276 mgd per B.1. Peak flow listed in A.3 is 260 mgd.		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-3	Total peak flow = 5 x 52mgd (Raw Sewage Pumps). O&M wants a table with all the major equipment and associated spare parts recommended for		3				
DG	44 42 40-3	review.		3	Youker 10/	20/2019		
kmaestri	44 42 40-3	acknowledged		3				
TAKEMOTOMW	44 42 40-4	This list doesn't include any requirements for or to provide the inlet distribution manifold.		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-4	Will add description.		3				
DG	44 42 40-5	This training should cover day and night shifts (TYP for all equipment)		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-5	Acknowledged.		3				
		Add section stating something to the effect of the following - If the manufacturer's field service time required by this section is not sufficient to properly place the equipment into operation, and the requirement for additional time is beyond the manufacturer's responsibility, additional time shall be purchased by Design Builder to correct deficiencies in installation, equipment, or material without additional cost to the City. THIS IS TYPICAL, ADD ABOVE LANGUAGE TO MANUFACTURER!	s					
DG	44 42 40-5	SERVICES FOR ALL EQUIPMENT		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-5	This is not covered in the technical specifications. This language is included elsewhere.		3				
DG	44 42 40-5	Does this correlate with what is in the contract?		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-5	Will coordinate with Startup and Testing. Add paragraph stating If required, the DB shall take corrective action and have the units retested to ensure full compliance with the specified requirements without additional cost to the City. THIS IS TYPICAL, ADD ABOVE LANGUAGE TO PERFORMANCE TESTING SECTION FOR ALL		3				
DG	44 42 40-5	EQUIPMENT		3	Youker 10/	20/2019		
Bryan Youker	44 42 40-5	This is not covered in the technical specifications. This language is included elsewhere.		3				
TAKEMOTOMW	44 42 40-5	Confirm there are no requirements for performance testing of grit removal and or headloss.		3	Youker 10/	20/2019		
B	44 42 40 5	Testing requirements being discussed and negotiated with Startup and Testing team. Will		2				
Bryan Youker	44 42 40-5	coordinate with final outcome. Performance testing of the grit capture is required, DB to coordinate with Headcell to define the		3				
DG	44 42 41-7	parameters of the test.		3	Youker 12	2/6/2019		
		This is still in discussion.		3	Tource 11	,,0,2013		
kmaestri	44 42 41-7	GMP Assumption: Include performance test.		3			Ś	25,000
DG	44 42 41-7	Where are spare part requirements?		3	Youker 10/	20/2019	ş	25,000
D G	77 72 71 /	Section 1.06. Currently no spare parts listed. Will coordinate final spare parts with final discussion	S	3	Tourci	20/2013		
Bryan Youker	44 42 41-7	with Owner.		3				
TAKEMOTOMW	44 42 41-7	Confirm that performance testing of the grit capture criteria is not required.		3	Youker 10/	20/2019		
Bryan Youker	44 42 41-7	This has been part of Startup Testing discussions.		3				
DG	44 42 48.01-1	Call out location of sampler(s) and function		3	White 10/	20/2019		
R White	44 42 48.01-1	Will do.		3				
		This is going to be the main sampling station for the RWF, is one sample adequate? City to verify						
DG	44 42 48.01-1	whether more than one new sampler is required. Discuss with city.		3	White 12	2/6/2019		
R White	44 42 48.01-1	GMP Assumption: Assume no scope change.		3				
TAKEMOTOMW	44 42 48.01-2	Sample tubing? Sample bottles?		3	White 10/	20/2019		
R White	44 42 48.01-2	Will add. Make sure the sampler is located in a suitable location to pull suction from the CA structure,		3				
DG	44 42 48.01-3	provide calculations for review.		3	White 10/	20/2019		
R White	44 42 48.01-3	Will provide documentation.		3				
DG	44 42 48.01-3	why does this spec say "each sampler", only one sampler is provided?		3	White 10/	20/2019		
R White	44 42 48.01-3	Will clarify.		3				
TAKEMOTOMW	44 42 48.01-6	Five days of support for a sampler seems like too much. Confirm.		3	White 10/	20/2019		
R White	44 42 48.01-6	Will confirm.		3				
TAKEMOTOMW	44 42 56.03-2	Is this provided somewhere?		3	Crook 10/	20/2019		
scrook	44 42 56.03-2	This is still being negotiated and can be accessed via the Project Management.		3		1001000		
DG	44 42 56.09-1	This section can be removed.		3	Edwards 10/	20/2019		
kmaestri	44 42 56.09-1 44 42 56.09-7	acknowledged		3	Crook	20/2019		
DG	44 42 50.09-7	A separate section for vibration testing of the VTSHs is required		3	Crook 10/	20/2019		

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scrook	44 42 56.09-7	That is covered in the VTSH specification, not in this specification.	Commenter Categor	y Assigned Responder	Date Allswereu	Dackeneckeu	Woder by co	отпратту
CTOOK	44 42 36.09-7	There are little to no equipment or component specification requirements listed in Part 2. This	3					
AKEMOTOMW	44 42 56.12-4	specification is written more like a performance spec. Confirm.	3	Youker	10/20/201	q		
ryan Youker	44 42 56.12-4	Equipment/component specs are part of the data sheet at end of section	3	TOURCE	10/20/201	.,		
AKEMOTOMW		No efficiency requirement? Confirm.	3	Youker	10/20/201	0		
Bryan Youker		Not for these pumps. Want a pump to deliver flow at stated TDHs.	3	Toukei	10/20/201	.9		
OG		4 empty page, or are were there more valves on this page that were not included?	3	Edwards	10/20/201	0		
			3	Euwalus	10/20/201	.9		
ledwards	224	4 Will Verify. I believe it's an accidental blank page.	3					
OLUME 4								
TAKEMOTOMW	A-110-14BLDG64	Class is assessing discontinu	3	Pieterick	10/20/201	0		
		Slope is opposite direction.		rieterick	10/20/201	.9		
epieteri	A-110-14BLDG64	Will reverse the arrow. Confirm that there is enough room to remove equipment from NE corner of room to the double	3					
	A-110-14BLDG64		3	Process and	40/20/20	•		
)G	A-110-14BLDG64	doors on the SW corner of room.	3	Pieterick	10/20/201	.9		
		The North path to the double door never gets less than 7'-0" wide which should be plenty of space to maneuver the equipment to the door. The south path to the SW door is 5'-6" wide but the units						
pieteri	A-110-14BLDG64	do not have to turn to get to the door. We confirm the equipment can be removed from this plan.	3					
,		Add door to keep wind-blown debris from gathering in this hallway Could then delete door to						
Ibpeters	A-110-14BLDG64	control room perhaps.	3	Pieterick	12/6/201	9		
abpeters	7, 110 1 1525 00 1	The battery room needs to have the door open to outside and the staff requested that the toilet		ricterion	12,0,202			
		room open to the outside. It is expected that the elevated floor will lessen the debri that might blow into this alcove. Per 10/22 meeting we will review the layout and figure out if there's a modification that will be made to accomodate the intent of the comment.						
	A 440 44DLDGG4	CMD Assessment and the control of th	2					20.00/
epieteri	A-110-14BLDG64	GMP Assumption: Include scope change.	3				\$	30,000
OG .	A-202-14BLDG64	Confirm that doorway is big enough for equipment access (VFDs etc.) THE CLEAR OPENING WITH THE TRANSOM REMOVED IS 7'-10 WIDE AND 8'-11" TALL. THE BIGGEST GEAR IS 8'-2" TALL AND 4 FT WIDE X 8 FT LONG. THE DOOR SHOULD HAVE PLENTY OF SIZE TO MOV		Pieterick	10/20/201	9		
pieteri	A-202-14BLDG64	EQUIPMENT IN AND OUT .	3					
)G	A-301-14BLDG64	Discuss location of roof access ladder with City electrical and ops	3	Pieterick	10/20/201	9		
pieteri	A-301-14BLDG64	Will locate ships ladder near the transformers as documented in the 10/22 meeting.	3		., .,			
)G	C-003-05			Chandler	10/20/201	9		
maestri	C-003-05	will consider renaming	3		., .,			
AKEMOTOMW	C-003-05	Structure ID for Headworks 1 should be 1HW1 in the legend.	3	Chandler	10/20/201	9		
am Chandler	C-003-05	Will verify with City staff and update	3		,,			
ann enanaier	2 003 03	There are 3 types of dashed lines used on this sheet, but only one shown in the legend. Its not clea						
AKEMOTOMW	C-003-05	what the distinction is amongst the three.		Chandler	10/20/201	q		
iam Chandler	C-003-05	Will add missing line types to legend.	3	Chanaici	10/20/201			
alli Cilalidiei	C-003-03	Seems like the single lane over the drainage culvert could be a traffic bottleneck. Adding a secondary construction access point on the east side (e.g. from Los Esteros Rd) may be beneficial if available. Also consider requiring a temporary pedestrian boardwalk or similar, adjacent to vehicle						
AKEMOTOMW	C-003-05	culvert crossing for safety.	3	Chandler	10/20/201	.9		
		Per meeting with client 10/22, Jacobs is not required to provide widening of the bridge or						
Sam Chandler	C-003-05	pedestrian improvements.	3					
TAKEMOTOMW	C-003-05	Contractor access arrow only points toward Zanker Road. It the intent that this would be used as a exist only? All other access arrows point both directions.	n 3	Chandler	10/20/201	9		
		Will add arrows pointing both directions. Zanker Road is primary entrance/exit for construction			, 20, 203			
am Chandler	C-003-05	traffic.	3					
AKEMOTOMW	C-003-05	Work limits extended off the left side of the page and are not shown on the other Staging drawing.	3	Chandler	10/20/201	9		
iam Chandler	C-003-05	Will adjust drawing limits to show full work area.	3					
AKEMOTOMW	C-004-05	Should the Construction Trailer Area be shown within the Contractor work limits?	3	Chandler	10/20/201	.9		
iam Chandler	C-004-05	Yes, will update.	3		., .,=			
OG	C-004-05	See CAD standards for location	3	Chandler	10/20/201	9		
maestri	C-004-05	will move What is the distinction between the 15 acre soil disposal area and the 40 acre soil disposal area?	3		,,			
	C-004-05	Are there any requirements for what can or can't be stored or disposed here? Any requires for the finished condition of these areas at the end of construction?	3	Chandler	10/20/201	9		
AKEMOTOMW	C 00 1 05							
		The 15-acre disposal area is where the HW3 project intends to place soil within the 40-acrea area identified by the City for soil disposal. Post construction, the soil added to the 15-acre area will be						
am Chandler	C-004-05	identified by the City for soil disposal. Post construction, the soil added to the 15-acre area will be spread to a maximum of 1' thickness.	3					
am Chandler OG	C-004-05 C-004-05	identified by the City for soil disposal. Post construction, the soil added to the 15-acre area will be spread to a maximum of 1' thickness.	2 3	Chandler	10/20/201	9		
am Chandler	C-004-05	identified by the City for soil disposal. Post construction, the soil added to the 15-acre area will be spread to a maximum of 1' thickness.		Chandler Chandler	10/20/201 10/20/201			

City Combined BlueBeam Comments - Jacobs Responses 20191124.xlsx

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Author (in gray ro Responder (in wh	nite					Direct Cost (Appropirate ma addressed in th	narkups he Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter Catego	ry Assigned Res	ponder Date Answered Backchecked	Model by comp	pany)
kmaestri	C-100-05	will fix	3				
TAKEMOTOMW	C-100-05	Lane not shown in the background	3	Chandler	10/20/2019		
kmaestri	C-100-05	will coordinate	3				
20	0.400.440	What loading was assumed to reduce the concrete thickness to 4-inches? What City equipment was		Charalles	42/5/2040		
DG	C-100-14B	assumed to be used in the basin?	3	Chandler	12/6/2019		
		Further refining of the liner will be done at 90%.					
Sam Chandler	C-100-14B	GMP Assumption: No scope change required.	3				
TAKEMOTOMW	C-100-14B	Confirm extents where detail 5 should be used versus detail 2.	3	Chandler	10/20/2019		
kmaestri	C-100-14B	will do	3	Chanaici	10/20/2013		
TAKEMOTOMW	C-101-05	Table needs to be completed.	3	Chandler	10/20/2019		
Sam Chandler	C-101-05	Agree, coordinate tables will be populated at 90%.	3				
TAKEMOTOMW	C-103-05	Table needs to be completed.	3	Chandler	10/20/2019		
kmaestri	C-103-05	yes will do at 90% design	3				
TAKEMOTOMW	C-104-05	Complete table.	3	Chandler	10/20/2019		
kmaestri	C-104-05	to be done at 90%	3				
TAKEMOTOMW	C-104-05	If this is a concrete structure, are guard posts needed to protect it?	3	Chandler	10/20/2019		
Sam Chandler	C-104-05	Guard posts protect above grade piping and equipment above grade.	3				
TAKEMOTOMW	C-104-05	What is the clearance requirement between the guard posts and the structure or piping?	3	Chandler	10/20/2019		
kmaestri	C-104-05	per previous response they will be offset by 3'	3				
TAKEMOTOMW	C-104-05	S-110-1A is a structural drawing and does not show the required civil surface improvements	3	Chandler	10/20/2010		
Sam Chandler	C-104-05 C-104-05	required in this area. Those details need to be added. Agree, will update site plan with restoration work required by demo at Milpitas Structure.	3	Changier	10/20/2019		
TAKEMOTOMW	C-104-05	Why 4' spacing on one side and 3' spacing on the other?	3	Chandler	10/20/2019		
TAKEIVIOTOIVIV	C-104-05	Bollards have 4' spacing center to center and are offset from the vault by 3'. Will revise dimension	3	Chandle	10/20/2019		
Sam Chandler	C-104-05	locations to clarify.	3				
TAKEMOTOMW	C-105-05	Need to define what surface the pavement will be meeting up against.	3	Chandler	10/20/2019		
kmaestri	C-105-05	will address in 90% design	3		20/20/2020		
TAKEMOTOMW	C-105-05	Surface restoration for the wetland area needs to be defined.	3	Chandler	10/20/2019		
kmaestri	C-105-05	will coordinate	3		· ·		
TAKEMOTOMW	C-105-05	Need to define what surface the pavement will be meeting up against.	3	Chandler	10/20/2019		
kmaestri	C-105-05	will address in 90% design	3				
TAKEMOTOMW	C-106-05		3	Chandler	10/20/2019		
kmaestri	C-106-05	no response needed for this one	3				
TAKEMOTOMW	C-106-05	Material needs to be defined. Gravel?	3	Chandler	12/6/2019		
		Asphalt ground cover per client's preference to not have gravel and associated weed growth/maintenance issues.					
Sam Chandler	C-106-05	GMP Assumption: Include additional paving around Odor Control and in front of Screening.	3			\$	32,329
TAKEMOTOMW	C-106-05	Material needs to be defined. Gravel?	3	Chandler	10/20/2019		
Sam Chandler	C-106-05	Ground cover here will be asphalt.	3				
TAKEMOTOMW	C-106-05	Are the abbreviations PC and PI defined anywhere?	3	Chandler	10/20/2019		
Sam Chandler	C-106-05	Will update abbreviations list at beginning of plan set.	3				
TAKEMOTOMW	C-106-05	Coordinates for this edge are not defined.	3	Chandler	10/20/2019		
kmaestri	C-106-05	will add	3		10/00/00		
TAKEMOTOMW	C-106-05	Edge of existing pavement? New surface is shown as gravel.	3	Chandler	10/20/2019		
Sam Chandler TAKEMOTOMW	C-106-05	Surfacing should be shown as new pavement.	3	Chandler	10/20/2010		
kmaestri	C-106-05 C-106-05	Leaders are not point to corner of structure. Confirm coordinates will do	3	Changler	10/20/2019		
TAKEMOTOMW	C-106-05	This is a physically separate structure from the Grit Basins. Suggest define coordinates.	3	Chandler	10/20/2019		
kmaestri	C-106-05	will coordinate with structural	3	Cilanulei	10/20/2019		
TAKEMOTOMW	C-100-05	Material needs to be defined. Gravel?	3	Chandler	10/20/2019		
Sam Chandler	C-107-05	Per meeting with client 10/22, ground cover here will be grass.	3	Chandier	10/20/2013		
TAKEMOTOMW	C-107-05	Is this lead meant to indicate where the fence should be relocated to?	3	Chandler	10/20/2019		
		No, it is meant to indicate fencing to be relocated. Fencing location was updated to reflect changes			, , ,		
Sam Chandler	C-107-05	made during the Iron Salt project and the leaders weren't moved.	3				
TAKEMOTOMW	C-107-05	Coordinate needed?	3	Chandler	10/20/2019		
kmaestri	C-107-05	will review	3				
TAKEMOTOMW	C-107-05	This detail is not included with the standard detail package.	3	Chandler	10/20/2019		
Sam Chandler	C-107-05	Detail to be added at 90%	3				
TAKEMOTOMW	C-107-05	Material needs to be defined. Gravel?	3	Chandler	10/20/2019		
		Per meeting with client 10/22, existing ground cover (mostly gravel) will be maintained around					
Sam Chandler DG	C-107-05 C-107-05	EBOS. Add note "Slope Finish Grade away from structures and evenly to drains"	3	Chandler	10/20/2019		

Author (in gray row Responder (in whit	te							Direct Costs (Appropirate markup addressed in the Cos
rows)	Page Label		Commenter	Category	Assigned Responder		Backchecked	Model by company
AKEMOTOMW	C-107-05	Material needs to be defined. Gravel?		3	Chandler	10/20/20	119	
Charalles	0.407.05	Per meeting with client 10/22, existing ground cover (mostly gravel) will be maintained around		2				
am Chandler	C-107-05	Ferric Chloride.		3				
TAKEMOTOMW	C-108-05	Depiction for relocated chainlink fence does not appear to be complete. Chainlink fence linework		3	Chandler	10/20/20	110	
AKEIVIOTOIVIW	C-108-05	does not match what is shown in the Civil Legend drawing. Existing fence line work needs to be updated to reflect changes made with Iron Salt project. New		3	Chandler	10/20/20	119	
Sam Chandler	C-108-05	fence will be coordinated with those updates.		3				
OG	C-108-05	"ed"		3	Chandler	10/20/20)19	
Sam Chandler	C-108-05	Will correct.		3		,,		
AKEMOTOMW	C-301-14B	Ridge does not appear to be centered. How will location be determined?		3	Chandler	10/20/20	119	
		Crown of road is centered. Section view cuts off outside edge of road, will update at 90%. Grading						
am Chandler	C-301-14B	not changing, existing crown location will be matched.		3				
AKEMOTOMW	C-301-14B	Is there a detail for the 4" thick liner sections?		3	Chandler	10/20/20	19	
iam Chandler	C-301-14B	Yes, see detail 1 on C-501-14B		3				
Ibpeters	C-501-05	Does this pipe slope towards EBOS? Will odor control be effective sucking off the end of this line?		3	Chandler	10/20/20	119	
iam Chandler	C-501-05	Pipe slopes towards EBOS. Detail will be updated to show sloped pipe.		3				
		Consider adding a rock trap downstream on the 12" SP. Any debris that makes into the pipe will						
AKEMOTOMW	C-501-05	end up in EBOS and will be difficult to remove from that location.		3	Chandler	10/20/20	19	
am Chandler	C-501-05	Per meeting with client 10/22, rock traps will be provided at each septage receiving pipe		3	a			
AKEMOTOMW	C-501-05	Additional detail dimensions and elevations need to be added to the sheet. will add.		3	Chandler	10/20/20	119	
maestri	C-501-05			3	Chandles	10/20/20	110	
FAKEMOTOMW Sam Chandler	C-501-05 C-501-05	Confirm there is not curb here as indicated in Section B below. Containment curb will be provided at this location.		3	Chandler	10/20/20	119	
TAKEMOTOMW	C-501-05	Will there be a grate or basket to prevent large debris from entering the pipe?		3	Chandler	10/20/20	110	
AKLIVIOTOIVIV	C-301-03	Per meeting with client 10/22, rock traps will be provided at each septage receiving pipe, a		3	Citationer	10/20/20	113	
Sam Chandler	C-501-05	dumpster provided to empty rock traps into, and washdown hose bibs.		3				
DG	C-501-05	sp.		3	Chandler	10/20/20)19	
maestri	C-501-05	will fix		3		,,		
DG	C-501-05	Rename to Septage Receiving Station		3	Chandler	10/20/20	119	
kmaestri	C-501-05	will do		3				
TAKEMOTOMW	C-501-14B	If there is a curb here where does runoff go? Per grading plans, drainage is slope to the curb		3	Chandler	10/20/20	119	
Sam Chandler	C-501-14B	Curb cutouts will be provided to allow drainage into EOB. Additional detail to be provided at 90%.		3				
TAKEMOTOMW	CE-101-05	Key note is not pointing to anything specific. Refers to pipe trench, but none shown		3	Chandler	10/20/20	119	
kmaestri	CE-101-05	will fix		3				
TAKEMOTOMW	CE-101-05	These arrows are pointing to an area with not BMPs shown.		3	Chandler	10/20/20)19	
Sam Chandler	CE-101-05	Will update and provide BMPs where appropriate.		3	a.	/ / /		
TAKEMOTOMW	CE-101-05	Linework not defined/ labeled, typ.		3	Chandler	10/20/20	119	
Sam Chandler FAKEMOTOMW	CE-101-05 CE-101-05	Will add labels or add to legend at 90%. Not clear what the purpose of this arrow is. Are BMPs needed in this drainage area?		3	Chandler	10/20/20	110	
Sam Chandler	CE-101-05 CE-101-05	Arrows will be updated to reflect drainage patterns within the project work limits.		3	Changler	10/20/20	119	
TAKEMOTOMW	CE-101-05	Suggest adding the work limits to this sheet to help clarify areas where BMPs will be needed.		3	Chandler	10/20/20	110	
maestri	CE-101-05	will consider		3	Chanalei	10/20/20	,15	
TAKEMOTOMW	CE-101-05	Runoff from top of structure?		3	Chandler	10/20/20)19	
iam Chandler	CE-101-05	Yes, parts of the structure runoff to surrounding paving.		3		,,		
OG	CE-102-05	Does this point refer to the extent of paving? If so state.		3	Chandler	10/20/20	19	
		Note identifies bridge as second location for construction access to HW3. Paving limits are						
Sam Chandler	CE-102-05	identified on site plans. Will change arrow to indicate this road in a more general manner.		3				
TAKEMOTOMW	CE-102-05	Not clear what TC-1 means.		3	Chandler	10/20/20	19	
am Chandler	CE-102-05	TC-1 will be replaced by callout to Keynote 5, which defines TC-1.		3				
OG .	CE-102-05	Refer specification and/or documents detailing the SWPPP.		3	Chandler	10/20/20	119	
maestri	CE-102-05	will do		3				
AKEMOTOMW	CE-102-05	Fix leader		3	Chandler	10/20/20	19	
maestri	CE-102-05	ok		3	Chandles	40/00/00	110	
OG	CE-102-05	Follow placement and format of notes for all drawings		3	Chandler	10/20/20	119	
:maestri :AKEMOTOMW	CE-102-05 CE-102-05	ok Line work for erosion control fence next to EOB not shown. Should be added		3	Chandler	12/6/20	110	
AKENIUTUNW	CE-102-05	EOB is grass lined, will be grubbed prior to placement of the liner, and drains back to EBOS. Any		3	Cildifalet	12/6/20	113	
		runoff from HW3 that gets into EBOS will go back into the treatment system and will not leave the						
		plant. Erosion control barrier measures at the EOB discharge structure in the SE corner can be						
		added at 90%.						
iam Chandler	CF-102-05	GMP Assumption: Assume no scope change.		3				
alli Cilaliulei								

Author (in gray rov Responder (in whi	ite					Direct Costs (Appropirate markups addressed in the Cost
rows)	Page Label		Commenter Category	Assigned Respon	nder Date Answered Backchecked	Model by company)
kmaestri	CE-102-05	will fix as agreed to per Division 1 meetings	3	Charaltan	10/20/2010	
TAKEMOTOMW	CE-102-05	Fix leader	3	Chandler	10/20/2019	
kmaestri TAKEMOTOMW	CE-102-05 CE-103-05	ok Callouts needed for SWPPP control measures needed in this area?	3	Chandler	10/20/2019	
Sam Chandler	CE-103-05 CE-103-05	Yes, will update.	3	Chandler	10/20/2019	
DG Chandler	CE-103-05 CE-103-05	Did you mean the "RWF"?	3	Chandler	10/20/2019	
Sam Chandler	CE-103-05	Yes, will update.	3	Chandlei	10/20/2019	
DG	CE-103-05	Add note on height of stockpile and other general design criteria (where sloped to, etc.)	3	Chandler	10/20/2019	
kmaestri	CE-103-05	will coordinate with the specs and add as needed	3	Chanaici	10/20/2019	
DG	CE-103-05	Should this be in a spec?	3	Chandler	10/20/2019	
50	CL 103 03	Should this be in a speed.	3	Chanaici	10/20/2013	
Sam Chandler	CE-103-05	Note should be part of the "General" notes. Will verify matches with erosion control spec language.	3			
dbpeters	CE-103-05	Need a grading and drainage plan for the stockpile area	3	Chandler	10/20/2019	
Sam Chandler	CE-103-05	Will add plan with 90% design.	3			
TAKEMOTOMW	CF-100-05	Does the space below the grit inlet channel need to be considered for occupancy requirements?	3	Chandler	10/20/2019	
Sam Chandler	CF-100-05	No, that space is not accessible and unavailable for occupation.	3		4, 4,	
DG	CF-100-05	Is it standard practice for Jacobs to design to NFPA 820, and is this design in accordance with NFPA 820? Or is the assumption that the City of San Jose will not adhere to NFPA 820 in the design year? This drawing shows only the site civil components related to the fire protection and is not all	3	Chandler	10/20/2019	
		encompassing. The applicable requirements of NFPA 820 as a referenced standard to the NEC are				
Forester	CF-100-05	incorporated into the overall design.	3			
DG	CF-100-05	Verify location with Fire Dept.	3	Chandler	10/20/2019	
Sam Chandler	CF-100-05	Fire hydrants are placed per spacing requirements of the California fire code.	3		4, 4,	
DG	CF-100-05	Add Sheet Notes regarding codes being followed and any exemptions provided by the Fire Dept.	3	Chandler	10/20/2019	
Forester	CF-100-05	The large number of codes, statutes, standards and references that have governance over the design is far to extensive to list out on a drawing intended to show the elements of the design resulting there from.	3			
Torester	CI-100-03	Add general note "Irrigation pipes and appurtenances will be rerouted where interferes with new	3			
DG	CG-103-05	facilities"	3	Chandler	12/6/2019	
DG	CG-103-03	Will add note to plans.	3	Chandler	12/0/2019	
Sam Chandler	CG-103-05	GMP Assumption: Include scope change.	3			\$ 10,000
TAKEMOTOMW	CG-103-05	The perimeter boundary of the work area needs to be defined.	3	Chandler	10/20/2019	
Sam Chandler	CG-103-05	Will update with coordinates.	3		·	
TAKEMOTOMW	CG-103-05	Not clear what this line is?	3	Chandler	10/20/2019	
		Existing edge of pavement to be restored after 96" RS pipe construction. Sawcut line missing. Will				
Sam Chandler	CG-103-05	update.	3			
TAKEMOTOMW	CG-103-05	Should a ridge line be shown here?	3	Chandler	10/20/2019	
Sam Chandler	CG-103-05	Yes	3			
TAKEMOTOMW	CG-105-05	How are the extents of the grading limits defined/determined?	3	Chandler	10/20/2019	
Sam Chandler	CG-105-05	Proposed grade minus existing grade and then sloping at 4H:1V to make up the difference.	3		,	
		General note. Only a few existing contours are labeled in the background. How will cut and fill				
TAKEMOTOMW	CG-105-05	quantities be determined?	3	Chandler	10/20/2019	
		Cut and fill quantities are determined from the existing and proposed grade surface models.			,/ 2023	
Sam Chandler	CG-105-05	Additional labels for existing contours will be added.	3			
TAKEMOTOMW	CG-105-05	9-foot contour line? Label.	3	Chandler	10/20/2019	
kmaestri	CG-105-05	will do	3		,, 2023	
TAKEMOTOMW	CG-105-05	Is there a detail for this?	3	Chandler	10/20/2019	
Sam Chandler	CG-105-05	Detail to be added to drawing set.	3	Silandici	10/20/2013	
TAKEMOTOMW	CG-105-05	Section to the deducte to distanting sect.	3	Chandler	10/20/2019	
kmaestri	CG-106-05	no response needed	3	Chanalel	10/20/2013	
TAKEMOTOMW	CG-106-05	What is this line?	3	Chandler	10/20/2019	
SC036293	CG-106-05	Existing gravel road edge, will be removed from drawing at 90%.	3	Silandici	10/20/2013	
TAKEMOTOMW	CG-106-05	Elevation label missing.	3	Chandler	10/20/2019	
kmaestri	CG-106-05 CG-106-05	will add at 90%	3	Citatiulei	10/20/2019	
TAKEMOTOMW	CG-106-05	Surrounding area drains to this gravel area. Any concerns with drainage in this area?	3	Chandler	10/20/2019	
SC036293	CG-106-05 CG-106-05	Area will be paved and graded to drain to the NE of Vacuum Truck facility at 90%	3	Citatiulei	10/20/2019	
TAKEMOTOMW	CG-106-05	Suggest paving this area and raising the elevation to facilitate access to the front of the screening structure.	3	Chandler	10/20/2019	
IAKEIVIOTOIVIW	CG-100-05		3	Citatiuler	10/20/2019	
Sam Chandler	CG-106-05	Per meeting with client 10/22, grade asphalt grade will be raised at east end of the screens to match deck grade. Structural drawing shows TO CONC at EL 9.23 on S-113-14BLDG64. Surrounding grade needs to	3			
TAKEMOTOMW	CG-106-05	match from ramp access.	3	Chandler	10/20/2019	
kmaestri	CG-106-05	will coordinate	3	Chanalel	10/20/2013	
KIIIGCSLII	CO-100-03	wiii coofulliate	3			

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March Marc	•						Model by company)
Accordance Acc					Chandler	10/20/2019	
MISCONOMY CS 184 18						/ /	
ACM MOTION Co 19-05 Use bits the river is register to consider in a control of the control					Chandler	10/20/2019	
March Marc					Chandles	10/20/2010	
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AME MODIFIANE 1,000 1,00					Chandler	10/20/2019	
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AMEMOTION C10-065 will on the control at 100 August 100					Chanaici	10/20/2013	
Mark MATONION Co.100-55 Pleast on listing in single Section Sectio				-	Chandler	10/20/2019	
AREMOTION C. 104-165 Elevation is ideal missing 3 2 3 4 4 500 5 1 1 1 1 1 1 1 1 1	kmaestri		, , ,			,,	
ACMONTONIAN Co.116-05 Stoom of not the COS Feed Structure is called out as ELLE2.0 which is lower than the "ELLE2.2" Stoom of those will record the structure is called out as ELLE2.0 which is lower than the "ELLE2.2" Stoom of the continuers and the background. Now will cut and fill continuers and the structure is called from surface models in ICAD. Additional blacks will be added to the continuers and the continuers a	TAKEMOTOMW		Elevation label missing.	3	Chandler	10/20/2019	
AREMOTONN Col. 106 cm will review General rote. Chily's few existing contours are bialed in the background. New will car and fill Col. 106 cm Co	kmaestri		-	3			
MEMOTONN Co. 106-05 Contract note			Top of wall on the EOB Feed structure is called out as EL12.0 which is lower than the ~EL 12.7				
Control of the Control of Contr	TAKEMOTOMW	CG-106-05	shown.	3	Chandler	10/20/2019	
Act MontPools Col 196 Section	kmaestri	CG-106-05	will review	3			
Contact Cont							
Control Cont	TAKEMOTOMW	CG-106-05		3	Chandler	10/20/2019	
AKEMOTONN Co. 107-05 Low point. Will numel faint to the unpreed area? 10,200,2019 10,200,2			Cut and fill quantities are calculated from surface models in CAD. Additional labels will be added to				
Permetering with client 10/2, additional stormwater collection and pump station will be required	SC036293						
MacMort MacM	TAKEMOTOMW	CG-107-05		3	Chandler	10/20/2019	
Control Cont							
AREMOTONN Co.107-95 quantities be destermined? Cut and fill gandities are clausated from surface models in CAD. Additional labels will be added to	Sam Chandler	CG-107-05		3			
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am Chandler CG-107-05 Piping Information provided on yard piping drawings. 3 Chandler 19/20/2019 AREKMOTOMN CG-107-05 Labe Action 3 Chandler 19/20/2019 AREMOTOMN CG-107-05 Indicated. Not clear what existing grade is here. Confirm adequate drainage away from the low point. Action of Control of Control of Control Inciliated. 19/20/2019 Action of Control Of Control Inciliated. 19/20/2019 Action of Control Of Control Inciliated. Action of Control Of Control Inciliated. Action of Control Of Control Inciliated. Action of Control Of Control Of Control Inciliated. Action of Control Of Control Of Control Inciliated. Action of Control Of Control Of Control Of Control Inciliated. Action of Control Of Control Of Control Of Control Of Control Inciliated. Action of Control Of						10/00/000	
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Not clear what existing grade is here. Confirm adequate drainage away from the low point KEMOTOMN G-0127-05 indicated. A clear collect runnel, Additional grading information to be provided at 90%. 3 Chandler 10/20/2019 AKEMOTOMN G-0127-05 9 and 6 contour lines book the same. 3 Chandler 10/20/2019 AKEMOTOMN G-0127-05 will review 3 Confirm G-0127-05 will review 3 Confirm G-0127-05 will review 3 Confirm G-0127-05 will review 3 Confirm G-0127-05 will review 3 Confirm G-0127-05 will review 3 Confirm G-0127-05 will confirm G-					Chandler	10/20/2019	
AKEMOTOMN G-910-96 indicated. Per 19/22 (leint meeting, additional catch basins and a stormwater pump station will be added in 19/20 (19/20 19/20	KIIIdestii	CG-107-03		3			
Per 10/22 clear meeting, additional carb basins and a stormwater pump station will be added in 10/20/2019 10/20/2019	TAKEMOTOMW	CG-107-05		3	Chandler	10/20/2019	
C39233 C3-107-05 this area to collect runoff. Additional grading information to be provided at 90%. C3-107-05 S4 discontructions to be because the second of C3-107-05 S4 discontructions to be because the case of C3-107-05 Will review S4 C40-07-05 Will review S4 C40-07-05 Will confirm S4-07-05 Will review S4-07-05 Will r	.,	00 107 03		3	Chanaici	10/20/2013	
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Masetri	kmaestri	CG-107-05	will review	3			
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AKEMOTOMW CG-301-05 Should be CG, not C. 3 Chandler 10/20/2019	kmaestri		will confirm	3			
5 0.00.00.00	TAKEMOTOMW	CG-301-05	Should be CG, not C.	3	Chandler	10/20/2019	

Author (in gray row Responder (in whit	te						(App addı	Direct Costs ropirate markups essed in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder	Date Answered Ba	ackchecked Mo	del by company)
kmaestri	CG-301-05	will correct as needed		3				
DG	CG-301-05	Show the new design slope (TYP)		3	Chandler	10/20/2019		
kmaestri	CG-301-05	will add		3	a l II			
DG	CG-301-05	Call out Drawing No.		3	Chandler	10/20/2019		
kmaestri TAKEMOTOMW	CG-301-05 CG-301-05	will consider Should be CG, not C.		3	Chandler	10/20/2010		
kmaestri	CG-301-05	will correct as needed		3	Changier	10/20/2019		
TAKEMOTOMW	CG-301-05	There is a 30" FA line here that is not shown.		3	Chandler	10/20/2019		
kmaestri	CG-301-05	will review		3	Chandle	10/20/2019		
TAKEMOTOMW	CG-301-05	Does the 2" IPA pipe need to be this deep?		3	Chandler	10/20/2019		
SC036293	CG-301-05	No, will coordinate making IPA shallower at 90%.		3	Chanale	10/20/2013		
MBritten	CG-301-05	Hydraulic profile shows a TOC elevation of 13.0 upst of pumps and 8.00 at pump base		3	Chandler	10/20/2019		
kmaestri	CG-301-05	correct		3	Chanale	10/20/2013		
TAKEMOTOMW	CG-301-05	Should be CG, not C.		3	Chandler	10/20/2019		
kmaestri	CG-301-05	will correct as needed		3	Chanale	10/20/2013		
TAKEMOTOMW	CG-301-05	Detail should refer relevant specs for subgrade preparation.		3	Chandler	10/20/2019		
Sam Chandler	CG-301-05	Material callout will be updated to match specs.		3		., .,		
DG	CG-301-05	Section cut not shown on C-106-05 (TYP)		3	Chandler	10/20/2019		
Sam Chandler	CG-301-05	Will update to CG-106-05		3				
MBritten	CG-301-05	Too high?		3	Chandler	10/20/2019		
Sam Chandler	CG-301-05	No, road elevations and top of concrete will be coordinated at 90%		3				
		Is this the existing 120" RS. If so its roughly 100 feet away from the edge of the headworks						
TAKEMOTOMW	CG-301-05	structure and would not show up on this sheet.		3	Chandler	10/20/2019		
		Yes, this is the existing 120" RS. The existing 120" RS is roughly 40' away. Existing 84" RS is						
Sam Chandler	CG-301-05	approximately 100' away.		3				
MBritten	Cover A			3	Maestri	10/20/2019		
kmaestri	Cover A	no response needed		3				
dbpeters	Cover A			3		10/20/2019		
kmaestri	Cover A	will fix		3				
dbpeters	Cover A	Leave title as is		3	Maestri	10/20/2019		
KandiMaestri	Cover A	ok		3				
dbpeters	Cover A	Use the 60% image not the 30% image		3	Williamson	10/20/2019		
KandiMaestri	Cover A	Agreed. will update for 90% as well.		3				
DG	CP-101-07	Where is this rectifier?		3	Wenger	10/20/2019		
DW055011 TAKEMOTOMW	CP-101-07 CX-100-05	Rectifier is located in the Electrical Building. See Keynote 3 on Drawing CP-106-07		3	Chandler	10/20/2010		
Sam Chandler	CX-100-05 CX-100-05	Suggest adding coordinates or other means of determining the extent of demolition.		3	Changier	10/20/2019		
DG Chandler	CX-100-05	Demolition area plans will be updated to define limits of demo work at 90%. Remove unless this is a catch-all comment. This comment is repeated on individual sheets.		3	Chandler	10/20/2019		
Sam Chandler	CX-100-05	Keynotes to be removed from overall plans.		3	Chandler	10/20/2019		
DG Chandler	CX-100-05 CX-101-05	Suggest referring to an I&C demo schematic showing exactly what is required.		3	Chandler	10/20/2019		
kmaestri	CX-101-05 CX-101-05	will consider		3	Chandle	10/20/2019		
DG	CX-101-05	say "demolish NE corner of HW1", see		3	Chandler	10/20/2019		
kmaestri	CX-101-05	will consider		3	Chanale	10/20/2013		
DG	CX-101-05	"Design-Builder" TYP		3	Chandler	10/20/2019		
kmaestri	CX-101-05	will coordinate with terminology agreed upon in Division 1 meetings		3	_ landici	10/20/2013		
DG	CX-101-05	Existing structure names can be shaded back		3	Chandler	10/20/2019		
kmaestri	CX-101-05	will consider but will make them hard to read		3		10,20,2013		
DG	CX-101-05	Is this demo required? Jacobs to discuss with the City on alternate route, if feasible.		3	Edwards	10/20/2019		
Sam Chandler	CX-101-05	Jacobs determined HW1 demo required to fit City required piping through this area.		3				
TAKEMOTOMW	CX-102-05	Label pipeline		3	Chandler	10/20/2019		
Sam Chandler	CX-102-05	Will do.		3				
TAKEMOTOMW	CX-102-05	Does the 78" RS get abandoned? Any requirements for capping?		3	Chandler	10/20/2019		
		Per meeting with City 10/22, separate meeting between City and Jacobs required to discuss pipe						
Sam Chandler	CX-102-05	abandonment requirements. Typical all piping shown as abandoned.		3				
TAKEMOTOMW	CX-102-05	Does the 84" RS get abandoned? Any requirements for capping?		3	Chandler	10/20/2019		
Sam Chandler	CX-102-05	Pipes connected to Junction Box 1 will be capped at the junction box		3				
		Location of Key Notes 1,2,3,4 not marked on the sheet to indicate handholes to be preserved and						
BSS	CX-102-05	ductbank to be demolished		3	Chandler	10/20/2019		
Sam Chandler	CX-102-05	Keynote list is not drawing specific. Some keynotes shown are not used on all drawings.		3				
		Not clear if the dashed line means anything. Any pipes being demolished or abandoned should be						
TAKEMOTOMW	CX-103-05	labeled.		3	Chandler	10/20/2019		
Sam Chandler	CX-103-05	Will update linework and labels		3				
		Location of Key Note 2 is not marked on the sheet to indicate which Fiber Optic ductbank to be						
BSS	CX-103-05	demolished		3	Chandler	10/20/2019		
Sam Chandler	CX-103-05	Keynote list is not drawing specific. Some keynotes shown are not used on all drawings.		3				

Author (in gray row Responder (in whit	ie .	Comments (in grow rows). Possopros (in white rows).				D. L. A.	Darlahada	Direct Costs (Appropirate markup addressed in the Cos Model by company
ows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder		Backchecked	iviodel by company
G	CX-103-05	Only include notes relevant to the sheet (TYP)		3	Chandler	10/20/2019	9	
maestri	CX-103-05	will fix		3	Charalla a	40/20/204	•	
SS	CX-104-05	Location of Key Note 1,2 not indicated		3	Chandler	10/20/2019	9	
maestri AKEMOTOMW	CX-104-05 CX-104-05	will fix Existing pipe linework is missing.		3	Chandler	10/20/2019	2	
maestri	CX-104-05 CX-104-05	this is being updated for 90%		3	Chandler	10/20/2019	9	
AKEMOTOMW	CX-104-05 CX-104-05	Existing pipes on this sheet need to be labeled.		3	Chandler	10/20/2019	2	
maestri	CX-104-05	will consider		3	Citationer	10/20/201	,	
SS	CX-105-05	Location of handholes to be demolished as per Key Note 4 not marked on sheet		3	Chandler	10/20/2019	9	
maestri	CX-105-05	will coordinate		3	Chanalei	10/20/201	,	
G	CX-105-05	Indicate extents (N/E) - TYPICAL		3	Chandler	10/20/2019	9	
maestri	CX-105-05	will review and modify as needed		3	Chanalei	10/20/201	,	
G	CX-106-05	Indicate extents of all paving/demo site work (N/E) - TYPICAL		3	Chandler	10/20/2019	9	
maestri	CX-106-05	Coordinates will be added at 90%		3	Chanaici	10/20/201	•	
SS	CX-106-05	Location of Key Note 3 not marked		3	Chandler	10/20/2019	9	
maestri	CX-106-05	will fix		3	Citationer	10/20/201	,	
AKEMOTOMW	CX-106-05	Define limit of demolition		3	Chandler	10/20/2019	9	
maestri	CX-106-05 CX-106-05	will do		3	Chanaci	10/20/201		
AKEMOTOMW	CX-100-05 CX-107-05	Label		3	Chandler	10/20/2019	a .	
am Chandler	CX-107-05 CX-107-05	Will do.		3	Citationer	10/20/2019		
um Chandlei	CV-101-03	Is the intent that the existing fence material will be relocated or that the existing fence should be		3				
AKEMOTOMW	CX-107-05	removed and a new one installed in a different location?		3	Chandler	10/20/2019	9	
am Chandler	CX-107-05	Existing fence will be removed and new fence installed.		3	Citationer	10/20/201	,	
AKEMOTOMW	CX-107-05	Not clear what this line work is.		3	Chandler	10/20/2019	2	
am Chandler	CX-107-05 CX-107-05	Linework displaying incorrectly, will fix at 90%. Existing piping to remain.		3	Chandler	10/20/201	9	
AKEMOTOMW	CX-107-05	Not clear what facility is being referred to or the work required to demolish it.		3	Chandler	10/20/2019	2	
maestri	CX-107-05	will clarify in 90%		3	Citationer	10/20/201	,	
SS	CX-107-05	Location of Key Note 4 not marked		3	Chandler	10/20/2019	2	
maestri	CX-107-05	will fix		3	Citationer	10/20/201	,	
inacstri	CA-107-03	Assume we use a lot of slide gates for isolation, suggest finding a location here for a "gate locker"		3				
og .	D-100-14HW3IS	for storing the gates.		3	Youker	12/6/2019	9	
, ,	2 100 1 11111313	This is being discussed in other comments as well. See written responses for final direction.		3	rounci	12,0,201		
ryan Youker	D-100-14HW3IS	GMP Assumption: This item is addressed in QRF list. Include gate lockers.		3				
,		Assume these are to isolate influent gates - what is the strategy to prevent backflow? Why need						
)G	D-100-14HW3IS	these slots if there is a gate to isolate HW3 flow altogether?		3	Youker	12/6/2019	9	
		Slots and plates will be provided as discussed on 10/22. City will have the ability to isolate each gate.						
Bryan Youker	D-100-14HW3IS	GMP Assumption: This item is addressed in QRF list. Include slots and stop plates.		3				
AKEMOTOMW	D-100-14HW3PS	Not shown on Y-106-07		3	Crook	10/20/2019	9	
crook	D-100-14HW3PS	This will be coordinated in 90%.		3				
AKEMOTOMW	D-100-14HW3PS	Only one 1 1/2" WTR3/RW connections is shown on Y-106-07		3	Crook	10/20/2019	9	
rook	D-100-14HW3PS	This will be coordinated in 90%.		3				
AKEMOTOMW	D-100-14HW3PS	/RW		3	Crook	10/20/2019	9	
crook	D-100-14HW3PS	Noted.		3				
AKEMOTOMW	D-101-14HW3GB	Consider adding a equipment access doorway here and extending the monorail outside to facilitat the pickup of equipment from outside the building.	e	3	Youker	10/20/2019	9	
		The south side (where pointing) is constricted and limited for fire truck access. We were worried						
ryan Youker	D-101-14HW3GB	about man-door swing, but a seldom used roll-up door may be feasible.		3				
AKEMOTOMW	D-101-14HW3IS	Complete detail		3	Youker	10/20/2019	9	
ryan Youker	D-101-14HW3IS	Will complete std detail callouts.		3		., ., .		
AKEMOTOMW	D-101-14HW3IS	/RW		3	Youker	10/20/2019	9	
ryan Youker	D-101-14HW3IS	Will coordinate flow streams.		3		., ., .		
,		Can we tie the 18" directly to the 40" condensate manhole so that the 18" doesn't stick out into the	ne					
peters	D-101-14HW3IS	asphalt roadway?		3	Youker	10/20/2019	9	
yan Youker	D-101-14HW3IS	Will review layout and revise if feasible.		3		., .,		
KEMOTOMW	D-102-14HW3GB			3	Youker	10/20/2019	9	
naestri	D-102-14HW3GB	no response required		3		,, 201		
KEMOTOMW	D-102-14HW3GB	Label		3	Youker	10/20/2019	9	
yan Youker	D-102-14HW3GB	Agree. will label.		3		10, 20, 201		
KEMOTOMW	D-102-14HW3IS	Label		3	Youker	10/20/2019	9	
	_ 102 1	Typically do not label piping on outside of matchlines. Will review final presentation and make sur	re		. Janei	10, 20, 201		
van Youker	D-102-14HW3IS	no conflicting into and include.	-	3				
KEMOTOMW	D-102-14HW3GB	Confirm dumpsters will have wheel stops or curbs.		3	Youker	10/20/2019	9	
	_ 100 1			,		10, 20, 201.		

Mary Company	(in gray rows) der (in white								Direct Costs (Appropirate marku addressed in the Co
Page Page				Commenter		Assigned Responde	r Date Answered	Backchecked	Model by company
A									
						Edwards	10/20/20	19	
17-15-14-14-14-14-14-14-14-14-14-14-14-14-14-	ds D	D-110-12RECYPS1			3				
Page Page									
Note Note	s D	D-110-14A			3	Youker	12/6/20	19	
TABLE TABL									
110.144	ouker D	D-110-14A	GMP Assumption: City provided alternate sketch. Costs included within Cost Model.		3				
						Youker	10/20/20	19	
							., ., .		
Target Youker					3	Youker	10/20/20	19	
Add Notes asying Centrace has are not installed as part of this contract and the two feed lines are larged in the provider of			2.2				,,		
10 10 10 10 10 10 10 10	ouker D	D-110-14A	Will model existing gates even though we are not changing them or are they part of scope of work		3				
Page 1-10-14 Aby Mill and anterior Mill will and anterior Mill will and profit lety of nothing to substantially speed up grit velocities, remove. Consider other 2 10-20 (2019)			Add Note saying Centrate lines are not installed as part of this contract and the two feed lines are						
March Marc	0	D-110-14A	shown for informational purposes only.		3	Youker	10/20/20	19	
	ouker D	D-110-14A	Will add note.		3				
See ther comments. For CP results, generally agree to not install as shown. Evaluating alternitive 3			Wall will most likely do nothing to substantially speed up grit velocities, remove. Consider other						
See other comments. Per ESP reputs, generally agree to not install as shown. Evaluating alternitive 1,000	D	D-110-14A			3	Youker	10/20/20	19	
100				re					
Description Description	ouker D	D-110-14A			3				
The face are no pumps in SW corner of Compathment A of 1805. There are return pumps in the SS corner of Comp A of 1805. Set since we are not modifying or replacing, we have not modeled						Youker	10/20/20	19	
Commer of Comp A of ESOS. But since we are not modifying or replacing, we have not modeled							., ., .		
TAKEMOTOMN 0-110-14HW35 no response needed here 3 7 usker 10/20/2019									
No. 1.0	ouker D	D-110-14A	them.		3				
As depicted the discharge chutes are not long enough to deposit material into the dumpsters.	DTOMW D	D-110-14HW3IS			3	Youker	10/20/20	19	
MAREMOTOMN 0-110-14HW3 S	i C	D-110-14HW3IS	no response needed here		3				
Strain Youler 0-110-14NY3 S			As depicted the discharge chutes are not long enough to deposit material into the dumpsters.						
	OTOMW D	D-110-14HW3IS	Extend.		3	Youker	10/20/20	19	
MEMBATONOMY D-110-14000	ouker D	D-110-14HW3IS	Will revise model to include longer discharge tubes.		3				
Standard D-110-1-4000						Cowden	10/20/20	19	
TAKEMOTONM					3		., ., .		
Scowden D-10-14000 Sometric will be provided as part of 90% Sometric will be provided as part of 90% Sometric will be provided as part of 90% Sometric will be designed post 60% Sometric will be provided as part of 90% Sometric will be designed post 60%						Cowden	10/20/20	19	
TAKEMOTOMW 0-110-14RECYPS Pipe supports not shown. 3 Edwards 10/20/2019					3		., ., .		
dedwards D-110-14RECYPS Will these valves be located in a confined space? Move above grade? Ves. The piping can be moved above grade. Ves. The piping can be graded. Ves. The Wards Ves. The piping can be graded. Ves. The piping can be g						Edwards	10/20/20	19	
Ves. The piping can be moved above grade. Ves. The piping can be piping							,,		
Yes. The piping can be moved above grade. dedwards D-110-14RECYPS GMP Assumption: Assume scope is a tradeoff. TAKEMOTOMW D-110-23 Add pipe centerline and other elevations. 3 Edwards D-110-24 Will add elevations to match existing pipe elevations. 3 Youker D-111-14HW3IS Suggest adding a hose bib and rack on this side for cleaning the front of the screens 3 Youker D-111-14HW3IS Agree. Can add to front side of screens. 3 Youker D-111-14HW3IS Label Typically try to have minimal annotation for an area that is presented on another drawing as a Bryan Youker D-111-14HW3IS Typically try to have minimal annotation for an area that is presented on another drawing as a Bryan Youker D-111-14HW3IS To detail. Usually only callout equipment and instrumentation. TAKEMOTOMW D-112-14HW3IS To response required TAKEMOTOMW D-112-14HW3IS To response required TAKEMOTOMW D-112-14HW3IS To response required TAKEMOTOMW D-112-14HW3IS To response required TAKEMOTOMW D-112-14HW3IS Truck should be able to "drag" dumpster to front, then tip up on to truck TAKEMOTOMW D-112-14HW3IS Truck should be able to "drag" dumpster to front, then tip up on to truck TAKEMOTOMW D-112-14HW3IS Truck should be able to "drag" dumpster to front, then tip up on to truck TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-112-14HW3IS Will eview presentation. TAKEMOTOMW D-120-1P Will clarify. To Will clarify. To Will clarify. To Will clarify. To Will clarify. To Will clarify. Takemotomy Will clarify. Takemotomy Will clarify to precipe the sampler on top of the California structure is likely not ideal for lab staff. Suggest asking Takemotomy Will clarify. Takemotomy Will clarify. Takemotomy Will clarify to be sampler at ground elevation next to						Edwards	12/6/20	19	
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Mill add elevations to match existing pipe elevations. 3 10/20/2019			GMP Assumption: Assume scope is a tradeoff.		3				
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THI GOOD THE OFFICE					3		12,3/20		
			···· access that district						
White D-120-1P GMP Assumption: Assume no scope change. 3		D-120-1P	GMP Assumption: Assume no scope change.		3				

Author (in gray row Responder (in whit	e					Direct Costs (Appropirate markups addressed in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows) Commenter	Category	Assigned Responder	Date Answered Backchecked	Model by company)
TAKEMOTOMW	D-120-1P	Section cut arrow should be facing opposite direction based on the view shown on D-301-1F	3	White	10/20/2019	
R White	D-120-1P	Will correct.	3			
TAKEMOTOMW	D-120-2D	Additional detail development is needed on this sheet.	3	White	10/20/2019	
R White	D-120-2D	Noted.	3			
TAKEMOTOMW	D-120-2D	This structure does not show up on the civil or yard piping drawings.	3	Chandler	10/20/2019	
Sam Chandler	D-120-2D	Will add to civil and yard piping drawings at 90%	3			
TAKEMOTOMW	D-120-11E	Confirm a vent is not needed on this line.	3	White	10/20/2019	
R White	D-120-11E	Will verify	3			
TAKEMOTOMW	D-120-11E	Confirm how this cantilevered pipe will be supported.	3	White	10/20/2019	
R White	D-120-11E	Detail to be added at 90%	3		, , ,	
		Is the intent to leave the Pie structure open, i.e. no grating on top? If so should this be removable				
TAKEMOTOMW	D-120-11E	railing for maintenance access?	3	White	10/20/2019	
R White	D-120-11E	Intent is to leave the top of the pie structure open. Will coordinate removable handrail.	3		,,	
dbpeters	D-120-11E	We don't want to create the same environment that caused Milpitas Structure corression	3	White	10/20/2019	
R White	D-120-11E	Will extend piping to below water surface and keep top open.	3	Willice	10/20/2019	
TAKEMOTOMW	D-120-11E	Confirm pumping to below water standed and keep top open. Confirm pumping to this elevation does not impact the Milpitas FM operation.	3	White	10/20/2019	
R White	D-120-11E D-120-11E	Will do.	3	vviiite	10/20/2019	
IV AATHEC	D 120-11L	Can we reroute the pipes coming into the NE structure to the main portion of the structure instead	J			
		of to the Pie Structure? Jacobs to discuss with the City to seek alternate solutions for this reroute, if				
DG	D-120-11E	feasible.	3	White	10/20/2019	
				wnite	10/20/2019	
R White	D-120-11E	This reroute also provides a bypass when completing work at the Milpitas Structure.	3			
		Water level in Pie structure is EL 4 to 6. Suggest having the discharge pipe extend below the water			/	
TAKEMOTOMW	D-120-11E	surface. Same comment for Milpitas FM line.	3	White	10/20/2019	
R White	D-120-11E	Will do.	3			
TAKEMOTOMW	D-120-11E	Confirm saddle footing location shown versus existing grade.	3	White	10/20/2019	
R White	D-120-11E	Will verify.	3			
TAKEMOTOMW	D-120-12HW2	Details for buried valve.	3	White	10/20/2019	
R White	D-120-12HW2	Will add detail at 90% if kept in design.	3			
TAKEMOTOMW	D-120-12HW2	How will new pipe connect to existing?	3	White	10/20/2019	
R White	D-120-12HW2	Will add detail at 90% if kept in design.	3			
		For FA, this will be an area with high H2S emissions, but appear to be a stagnant area in terms of air				
TAKEMOTOMW	D-120-14HW3GB	flow. No FA or intake are connections.	3	Youker	10/20/2019	
Bryan Youker	D-120-14HW3GB	Will review. If we provide access per other comment, a portion could be grating to allow air in.	3			
TAKEMOTOMW	D-120-14HW3GB	Flow is not well distributed in the influent channel. Given the large size of the channel flow velocities will be low. Its likely a significant amount of grit will deposit in the corner where there will be less turbulence from the pump discharge. Cleaning out this area will require shutting down HW3.	3	Youker	10/20/2019	
		Will be reviewing this area with CFD modeling. If required can add concrete fillets along Grid H,				
Bryan Youker	D-120-14HW3GB	and perhaps additional fillet at Grids 4-5	3			
		Suggest sliding the stairs to the west to increase the clearance between the stairs and Gate				
TAKEMOTOMW	D-120-14HW3PS	14GTE9650-05	3	Crook/Pieterick	10/20/2019	
scrook	D-120-14HW3PS	Stairs will be moved west as much as possible without impacting other facility requirements.	3			
TAKEMOTOMW	D-120-14HW3PS	/RW	3	Crook	10/20/2019	
scrook	D-120-14HW3PS	Noted.	3			
TAKEMOTOMW	D-120-14HW3PS	Restrained?	3	Crook	10/20/2019	
scrook	D-120-14HW3PS	This is restrained, see 40 27 01 for the product identified for this use	3			
TAKEMOTOMW	D-120-14HW3PS	Are these openings for stop gates? If so are guides to be provided?	3	Crook	12/6/2019	
		These are openings for stop gates. Per 10/22 meeting these are supposed to be added to the scope of work.			,,,	
scrook	D-120-14HW3PS	GMP Assumption: This item addressed in the QRF list.	3			
TAKEMOTOMW	D-120-14HW3PS	Not sure what this is? Seems to be in the main walkway.	3	Crook	10/20/2019	
		This is a stanchion for an electrical panel, which should be adjacent the handrail and not in the				
scrook	D-120-14HW3PS	walkway. This will be corrected in 90% design.	3			
TAKEMOTOMW	D-120-14HW3PS	Suggest moving the label "Flushing" from the top of page to here next to the related detail.	3	Crook	10/20/2019	
scrook	D-120-14HW3PS	Noted.	3			
		Not clear why the FA connection on the wet well side is configured differently than the other,				
TAKEMOTOMW	D-120-14HW3PS	similar, connection on pumps 4 and 5.	3	Crook/Cowden	10/20/2019	
scrook	D-120-14HW3PS	The difference is in order to avoid a structural beam with the deck penetration	3			
MBritten	D-122-14HW3GB	Consider adding a baffle wall to dampen turbulence from 42" discharge pipes	3	Youker	10/20/2019	
		Will be reivewing this area for flow distribution and turbulence. Want some turbulence to keep grit	-		., ., .==	
Bryan Youker	D-122-14HW3GB	moving towards grit basin.	3			
TAKEMOTOMW	D-301-1P	Pipe supports required along wall.	3	White	10/20/2019	
R White	D-301-1P	Will add.	3		,,	
TAKEMOTOMW	D-301-1P	Has it been confirmed that this gate is in working order?	3	White	10/20/2019	
VIOTOIVIVV	5 301 11	The Action Committee and this gate is in working order:	3	•••••	10/20/2013	

Author (in gray rov Responder (in whit	te					Direct C (Appropirate addressed in	e markups n the Cost
rows)	Page Label		Commenter Category	Assigned Responder	r Date Answered Backchecked	Model by co	ompany)
R White	D-301-1P	See Facility Condition Assessment for evaluation.	3		/ /		
TAKEMOTOMW	D-301-1P	Top of wall elevation? Will add.	3	White	10/20/2019		
R White	D-301-1P		3	34 d. 31 .	40/20/2040		
TAKEMOTOMW	D-301-1P	Ground elevation?	3	White	10/20/2019		
R White	D-301-1P	Will add. Additional details are needed on the existing wall thimble/or penetration at this location to confirm	3				
TAKEMOTOMW	D-301-1P	how the new 96" RS line will be connected.	3	White	10/20/2019		
R White	D-301-1P D-301-1P	Will add at 90%	3	wnite	10/20/2019		
TAKEMOTOMW	D-301-1P	Details or material requirements for Stand Box?	3	White	10/20/2019		
R White	D-301-1P	Will add.	3	wille	10/20/2019		
TAKEMOTOMW	D-301-14A	Detail for wall penetration?	3	Scoggins	10/20/2019		
Iscoggin	D-301-14A	Will add	3	Scoggiiis	10/20/2019		
TAKEMOTOMW	D-301-14A	Confusing to show the actuator, but not the gate below.	3	White	10/20/2019		
R White	D-301-14A	Will clarify.	3	William	10/20/2013		
TAKEMOTOMW	D-301-14A	Connection detail?	3	White	10/20/2019		
R White	D-301-14A	Will add at 90%.	3	William	10/20/2013		
TAKEMOTOMW	D-301-14A	Connection?	3	White	10/20/2019		
R White	D-301-14A	Will note connection.	3	,,,,,,c	10, 20, 2013		
TAKEMOTOMW	D-301-14A	12" SP on plan view.	3	White	10/20/2019		
R White	D-301-14A	Will correct.	3	···itte	10/20/2013		
TAKEMOTOMW	D-301-14A	Centerline?	3	White	10/20/2019		
R White	D-301-14A	Will add.	3		,,		
		As drawn, the pipe segment has a MJ end and a flanged end, which will require a larger core drill					
TAKEMOTOMW	D-301-14A	through the wall.	3	White	10/20/2019		
R White	D-301-14A	Noted - this piping will be modified to discharge below the water surface, eliminating this issue.	3		20,20,200		
TAKEMOTOMW	D-301-14A	Pipe invert/centerline elevations?	3	White	10/20/2019		
R White	D-301-14A	Will add at 90%	3				
TAKEMOTOMW	D-301-14A	Pipe support details are needed, typ.	3	White	10/20/2019		
R White	D-301-14A	Will add at 90%	3				
MBritten	D-301-14HW3GB	Should be anchored, not just a friction connection	3	Crook	10/20/2019		
		If an embedded (with thrust ring) pipe is adjacent to this pipe support as shown in the current design, then a pipe saddle with strap (as depicted) is an appropriate pipe support. No change is					
scrook	D-301-14HW3GB	needed from the existing design.	3				
TAKEMOTOMW	D-301-14HW3GB	Invert of gate/top of floor is EL 14. Gate is listed as 72" tall = EL 20. Hydraulic profile shows WS EL up to EL. 23.44. Gate is too short. TYP 6.	3	Youker	12/6/2019		
		Agree will make gate taller. Note that maximum hydraulic gradeline when treating 260 mgd, and all grit basins in service. So isolate gates will not be in down position. Will coordinate overall height of gate.					
Bryan Youker	D-301-14HW3GB	GMP Assumption: Include additional gate height, 6 gates at 3.5' increase in height.	3			\$	63,000
TAKEMOTOMW	D-301-14HW3GB	/RW	3	Youker	10/20/2019		
Bryan Youker	D-301-14HW3GB	Will coordinate final flow stream.	3				
TAKEMOTOMW	D-301-14HW3GB	No pipe supports are shown on this sheet.	3	Youker	10/20/2019		
Bryan Youker	D-301-14HW3GB	Pipe support design will be part of next phase of design.	3				
TAKEMOTOMW	D-301-14HW3GB	The bottom cone area is filled with grout.	3	Youker	10/20/2019		
Bryan Youker	D-301-14HW3GB	Yes. Structural drawings include shaping.	3				
		Consider inserting a sleeve to allow removal in the future w/o breaking the concrete. Highly corrosive above the water line and with turbulence- check that materials specd are appropriate.					
MBritten	D-301-14HW3GB	Needs bomb-proof coating on concrete.	3	Crook	12/6/2019		
		Agree that a robust coating is required in headspace- see structural drawings for coating directions on concrete; 09 90 00 and pipe schedule for directions on pipe. Use of a sleeve will be considered and weighted against pipe support considerations. No removal of pipe is expected in facility life- please direct if this is a project requirement.					
scrook	D-301-14HW3GB	GMP Assumption: Include sleeve around pipe, seal with caulk. Assume coatings are correct.	3			\$	12,500
TAKEMOTOMW	D-301-14HW3IS	/RW	3	Youker	10/20/2019		
Bryan Youker	D-301-14HW3IS	Will coordinate final flowstreams callouts.	3				
TAKEMOTOMW	D-301-14HW3IS	Label	3	Youker	10/20/2019		
Bryan Youker	D-301-14HW3IS	Will review presentation. Pipe is called on on detail, which may be adequate.	3				
TAKEMOTOMW	D-301-14HW3IS	Material change?	3	Youker	10/20/2019		
Bryan Youker	D-301-14HW3IS	Yes. Should be standard detail callout .	3				
		Classication and accomplished to the accomplished to the complished 3	Youker	10/20/2019			
	D-301-14HW3IS	Cleanout is not accessible due to overhang above.		Toukei	10/20/2019		
TAKEMOTOMW Bryan Youker TAKEMOTOMW	D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS	Will review and try to improve access or location of clean out. Can damper just be closed instead of using the BF?	3	Youker	10/20/2019		

Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Scrook D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 Scowden D-36 TAKEMOTOMW D-36 SCOWDEN D-36 TAKEMOTOMW D-36 SCOWDEN D-36 TAKEMOTOMW D-36 SCOWDEN D-36 TAKEMOTOMW D-36 TAKEMOTOMW D-36 SCOWDEN D-36 TAKEMOTOMW D-36 SCOWDEN D-36 TAKEMOTOMW D-36 TAKEMOTOMW D-36 TAKEMOTOMW D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36 Bryan Youker D-36 TAKEMOTOMW D-36	2-301-14HW3IS 2-301-14DD0 2-301-14DD0	Will review. Could also install BF and no damper. Then when duct is put to use, damper be added. No supports for the sluice are shown on the drawings. Correct. Supports will be shown in next phase. Supports may not be suppliers final layout. Will 2" WTR3/RW line be supported by the sluice? Is so need to require that feature in the specs Intent was to route 2" WTR3 under sluice on same supports. Depending on sluice support spacing, may need additional supports. Will include description in spec. Label Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided. Pipes under slab should be encased.	3 3 3 3 3 3 3 3 3 3	Youker Youker Youker Crook Cowden Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20 10/20/20 10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019 019	Model by compar
AKEMOTOMW D-30	0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IPS 0-301-14HW3IPS 0-301-14HW0 0-301-140D0	No supports for the sluice are shown on the drawings. Correct. Supports will be shown in next phase. Supports may not be suppliers final layout. Will 2" WTR3/RW line be supported by the sluice? Is so need to require that feature in the specs Intent was to route 2" WTR3 under sluice on same supports. Depending on sluice support spacing, may need additional supports. Will include description in spec. Label Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided asa part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Youker Youker Crook Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019 019	
ryan Youker	D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14DD0	Correct. Supports will be shown in next phase. Supports may not be suppliers final layout. Will 2" WTR3/RW line be supported by the sluice? Is so need to require that feature in the specs Intent was to route 2" WTR3 under sluice on same supports. Depending on sluice support spacing, may need additional supports. Will include description in spec. Label Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Youker Youker Crook Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019 019	
AKEMOTOMW D-36 AKEMOT	D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3PS D-301-14HW3PS D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	Will 2" WTR3/RW line be supported by the sluice? Is so need to require that feature in the specs Intent was to route 2" WTR3 under sluice on same supports. Depending on sluice support spacing, may need additional supports. Will include description in spec. Label Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided asa part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Youker Crook Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019 019	
yan Youker	0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3IS 0-301-14HW3PS 0-301-14HW3PS 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0	Intent was to route 2" WTR3 under sluice on same supports. Depending on sluice support spacing, may need additional supports. Will include description in spec. Label Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided asa part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Youker Crook Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019 019	
AKEMOTOMW D-30	D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-14HW3IS D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	Label Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Crook Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019	
ryan Youker D-30 IBritten D-30 LBritten D-30 Crook D-34 AKEMOTOMW D-36 Cowden D-36 <	D-301-14HW3IS D-301-14HW3IS D-301-14HW3PS D-301-14HW3PS D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0 D-301-14OD0	Will add pipe callout. Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided asa part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Crook Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20	019 019 019 019	
Britten	0-301-14HW3PS 0-301-14HW3PS 0-301-14HW3PS 0-301-14H0D0 0-301-140D0	Add overflow channel? Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided aas part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20	019 019 019	
1-30 1-30	0-301-14HW3PS 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000 0-301-14000	Not required, see other responses. Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Cowden Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20 10/20/20	019 019 019	
AKEMOTOMW D-30 owden D-30 Owden D-30 KKEMOTOMW D-31 Owden D-30 KKEMOTOMW D-31 KKEMOTOMW D-32 Owden D-36 KKEMOTOMW D-30 AKEMOTOMW D-30 Owden D-30 AKEMOTOMW D-30 Owden D-30 AKEMOTOMW D-30 AKEMOTO	D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	Confirm labels for HDPE and Note 1 should not be switched. They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided aas part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3 3 3	Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20	019 019 019	
D-30	0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0	They should be switched. Will be incorporated. As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided aas part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3 3	Cowden Cowden Cowden	10/20/20 10/20/20 10/20/20	019 019 019	
AKEMOTOMW D-36 AKEMOT	D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided aas part of 90% Label Concur //RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3	Cowden Cowden	10/20/20 10/20/20	D19 D19	
D-30	0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0	Isometric will be provided as part of 90% As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided aas part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3 3 3	Cowden Cowden	10/20/20 10/20/20	D19 D19	
AKEMOTOMW D-30 AKEMOT	0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0 0-301-140D0	As drawn you cannot see the details of the piping, etc. in this area. Isometric will be provided aas part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3	Cowden	10/20/20	019	
owden D-30 AKEMOTOMW D-30 owden D-31 AKEMOTOMW D-32 owden D-30 AKEMOTOMW D-30 owden D-30 AKEMOTOMW	D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	Isometric will be provided aas part of 90% Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3 3 3	Cowden	10/20/20	019	
AKEMOTOMW D-36 owden D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 Owden D-36 AKEMOTOMW D-36 Owden D-36 AKEMOTOMW D-36 Owden D-36 AKEMOTOMW D-36	D-301-140DO D-301-140DO D-301-140DO D-301-140DO D-301-140DO D-301-140DO D-301-140DO	Label Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3 3				
owden D-30 AKEMOTOMW D-30 owden D-36 AKEMOTOMW D-36 owden D-36 AKEMOTOMW D-30 owden D-36 AKEMOTOMW D-36	D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	Concur /RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3 3 3				
AKEMOTOMW D-30 owden D	D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	/RW Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3	Cowden	10/20/20	019	
AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AYAN YOUKER D-36 AKEMOTOMW D-36 AYAN YOUKER D-36 AKEMOTOMW D-36 AK	D-301-140D0 D-301-140D0 D-301-140D0 D-301-140D0	Concur Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.	3	conden	10/10/10		
AKEMOTOMW D-36 AKEMOT	D-301-140DO D-301-140DO D-301-140DO	Water level and ranges in the tower. As drawing there is a very limited depth at the bottom before water will start entering the FA ducting from the blower. Is there a passive overflow to prevent that from happening? Yesa passive overflow will be provided.					
cowden D-30 AKEMOTOMW D-30 cowden D-30 cowden D-30 cowden D-30 cowden D-30 cowden D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AY9an Youker D-30 AKEMOTOMW D-30	D-301-140D0 D-301-140D0	from happening? Yesa passive overflow will be provided.	2				
cowden D-30 AKEMOTOMW D-30 cowden D-30 cowden D-30 cowden D-30 cowden D-30 cowden D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AY9an Youker D-30 AKEMOTOMW D-30	D-301-140D0 D-301-140D0	Yesa passive overflow will be provided.		Cowden	10/20/20	119	
AKEMOTOMW D-30 G D-30 Cowden	0-301-140DO		3	COWGCII	10/20/20	313	
owden D-30 owden D-36 owden D-36 AKEMOTOMW D-30 AKEMOTOMW D-36			3	Cowden	10/20/20	019	
G D-3C owden D-3C kKEMOTOMW D-3C naestri D-3C kKEMOTOMW D-3C yan Youker D-3C kKEMOTOMW D-3C yan Youker D-3C kKEMOTOMW D-3C yan Youker D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C yan Youker D-3C kKEMOTOMW D-3C yan Youker D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C kKEMOTOMW D-3C		Concur	3		,,		
owden D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C Yan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C Yan Youker D-3C Yan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C		Where will we be required to take samples to show compliance? Can we devise a method to take					
cowden D-3C AKEMOTOMW D-3C maestri D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C	D-301-140DO	air sample at the bottom of the stack rather than at the top?	3	Cowden	10/20/20	019	
AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AYEMOTOMW D-30 AKEMOTOMW D-30		Air samples can be taken at ground level via the extended sample tube line. However, for			., .,		
AKEMOTOMW D-30 ryan Youker D-30 ryan Youker D-30 ryan Youker D-30 ryan Youker D-30 AKEMOTOMW D-30 ryan Youker D-30 AKEMOTOMW D-30 ryan Youker D-30 ryan Youker D-30 ryan Youker D-30 AKEMOTOMW D-33 ryan Youker D-30 AKEMOTOMW D-33 AKEMOTOMW D-33 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30	D-301-140DO	regulatory air flow testing measurements must be taken directly at the stack.	3				
AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G AKEMOTOMW D-3G	D-302-14HW3GB		3	Youker	10/20/20	019	
ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C	D-302-14HW3GB	no response needed	3				
ryan Youker D-30 AKEMOTOMW D-30 ryan Youker D-30 AKEMOTOMW D-33 RAKEMOTOMW D-30 ryan Youker D-30 AKEMOTOMW D-33 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30 AKEMOTOMW D-30		Suggest revising so that 12" FA connections do not come from the bottom of the FA line. They may accumulate water and are a dead end in the current configuration, which will require they be					
AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C	D-302-14HW3GB	periodically drained.	3	Youker	10/20/20	019	
ryan Youker D-3(AKEMOTOMW D-3(ryan Youker D-3(AKEMOTOMW D-3(ryan Youker D-3(AKEMOTOMW D-3(ryan Youker D-3(AKEMOTOMW D-3(0-302-14HW3GB	Will review and correct as necessary.	3				
AKEMOTOMW D-36 ryan Youker D-36 AKEMOTOMW D-36 ryan Youker D-36 AKEMOTOMW D-36 ryan Youker D-36 AKEMOTOMW D-36 AKEMOTOMW D-36 AKEMOTOMW D-36	D-302-14HW3GB	What pipe material is being shown for the GR/OF? SS? Need to add some joints for disassembly.	3	Youker	10/20/20	019	
ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C	D-302-14HW3GB	Will revise pipe material and/or coordinate with pipe schedule.	3				
AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C AKEMOTOMW D-3C	D-302-14HW3GB	Suggest routing the 4" WTR3 from the 12" WTR3/RW to the west. Otherwise suggest routing above grade instead of buried.	3	Youker	10/20/20	019	
AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C ryan Youker D-3C AKEMOTOMW D-3C	D-302-14HW3GB	Will review routing. Wanted an isolation valve for the whole facility.	3				
AKEMOTOMW D-30 ryan Youker D-30 AKEMOTOMW D-30	D-302-14HW3GB	Add elevation.	3	Youker	10/20/20	019	
ryan Youker D-30 AKEMOTOMW D-30	D-302-14HW3GB	Will add. Also considering deleting this section and providing a more useful one.	3				
AKEMOTOMW D-30	D-302-14HW3GB	Orient FET toward the handrail for access.	3	Youker	10/20/20	019	
	D-302-14HW3GB	Agree. Will revise model.	3				
	D-302-14HW3GB	Add elevation.	3	Youker	10/20/20	019	
yan Youker D-30	0-302-14HW3GB	Will add. Also considering deleting this section and providing a more useful one.	3				
AKEMOTOMW D-30	D-302-14HW3IS	There should be a flexible closure piece connecting the discharge chute to the sluice. Will review with Huber. They currently show a flared rectangular section on sluice and a feed into	3	Youker	10/20/20	019	
yan Youker D-30	D-302-14HW3IS	into with a smail air gap around the screen discharge chute.	3				
AKEMOTOMW D-30	D-302-14HW3IS	Callout invert elevations.	3	Youker	10/20/20	019	
ryan Youker D-30	D-302-14HW3IS	Will add during next phase of Design.	3				
		Gate height is listed as 168" = 14 feet = top of gate at EL 6.00. This is above the normal HGL, however, the weir at EBOS can be set as high as EL. 10.21, which would overflow this gate. Confirm					
KEMOTOMW D-30	D-302-14HW3IS	gate height is appropriate for anticipated hydrualic conditions.	3	Youker	12/6/20	019	
		Normal high level is EL 4.00. As currently configured, if the level were to exceed EL 6.00, it is due to equipment problem. In that case water could overflow top of gate into the out-of-service screen channel and flow to RSPS 3, before reaching high level. If disagree with approach we can make make gates taller. Comment: Gate sized for full 20' of channel depth is better served by butterfly gate the provided disection.					
		gate. Increasing height of gate, or using butterfly gate will add cost. Provide direction.					
,		GMP Assumption: Assume no scope change.	3				\$
AKEMOTOMW D-40 crook D-40	D-302-14HW3IS D-401-14HW3PS	Need to provide height/depth required for p-trap.	3	Crook	10/20/20	019	

Page Label Comments (in gray rows) Responses (in white rows)	nts shown in details or sections. line rather than teeing and then ng which feeds hose valves. Ind fluidizing connection. enough to display.	Category 3 3 3 3 3 3 3 3 3	Assigned Responder Crook Youker Youker	Date Answered Backchecked 10/20/2019 10/20/2019 10/20/2019	Model by company)
Scrook D-401-14HW3PS Soleplate/baseplate bolts will be accessible and exposed undernet TAKEMOTOMW D-501-14HW3GB More labels are needed. Will review final presentation for constructability. Most compone So additional annotation would be piping callouts. Seems simpler to just connect each water line to the main 4" WTI splitting between two grit pumps. Will review. What's not shown in this isometric is the branch piping Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	nts shown in details or sections. line rather than teeing and then ng which feeds hose valves. Ind fluidizing connection. enough to display.	3 3 3 3	Youker	10/20/2019	
TAKEMOTOMW D-501-14HW3GB More labels are needed. Will review final presentation for constructability. Most compone Bryan Youker D-501-14HW3GB So additional annotation would be piping callouts. Seems simpler to just connect each water line to the main 4" WTI TAKEMOTOMW D-501-14HW3GB splitting between two grit pumps. Will review. What's not shown in this isometric is the branch piping Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	nts shown in details or sections. line rather than teeing and then ng which feeds hose valves. Ind fluidizing connection. enough to display.	3 3 3			
Bryan Youker D-501-14HW3GB So additional annotation would be piping callouts. Seems simpler to just connect each water line to the main 4" WTI splitting between two grit pumps. Will review. What's not shown in this isometric is the branch piping Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	Lline rather than teeing and then ng which feeds hose valves. Ind fluidizing connection. enough to display.	3 3			
Bryan Youker D-501-14HW3GB So additional annotation would be piping callouts. Seems simpler to just connect each water line to the main 4" WTI splitting between two grit pumps. Will review. What's not shown in this isometric is the branch piping. Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	Lline rather than teeing and then ng which feeds hose valves. Ind fluidizing connection. enough to display.	3	Youker	10/20/2019	
Seems simpler to just connect each water line to the main 4" WTI splitting between two grit pumps. Will review. What's not shown in this isometric is the branch pipi Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	ng which feeds hose valves. Ind fluidizing connection. enough to display.	3	Youker	10/20/2019	
TAKEMOTOMW D-501-14HW3GB splitting between two grit pumps. Will review. What's not shown in this isometric is the branch pipi Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	ng which feeds hose valves. Ind fluidizing connection. enough to display.	3	Youker	10/20/2019	
TAKEMOTOMW D-501-14HW3GB splitting between two grit pumps. Will review. What's not shown in this isometric is the branch pipi Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	ng which feeds hose valves. Ind fluidizing connection. enough to display.	3	Youker	10/20/2019	
Bryan Youker D-501-14HW3GB Those branches are located between the drops to the seal water TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	and fluidizing connection.				
TAKEMOTOMW D-501-14HW3GB Sump pumps are shown but no discharge piping.	enough to display.				
		3			
D. C. V. L. D. FOA AND MOOD.			Youker	10/20/2019	
Bryan Youker D-501-14HW3GB Yes. Not all piping shown. Will see if additional pipe shows clear	nain line feed all 6 grit units?	3			
TAKEMOTOMW D-501-14HW3GB Does the water line need to split into 2 branches here? Can one i		3	Youker	10/20/2019	
Will review. There are deep beams in the area, and the split is alo	ng each side of a deep beam.				
Bryan Youker D-501-14HW3GB May move the two headers feeding 3 washers closer to where the	pipe turns up to the grit washer.	3			
TAKEMOTOMW D-501-14HW3IS Not sure what these tabs are.		3	Youker	10/20/2019	
Bryan Youker D-501-14HW3IS Modeling feature that should have been turned off. Will turn off	next phase.	3			
DG D-501-140DO	- · · · · · ·	3	Cowden	10/20/2019	
kmaestri D-501-140DO no response needed		3		, ,	
This line connects down stream of the screens. The hydraulic pro	ile indicate water level will be up				
to EL 2.53. Top of concrete is EL 13. Its possible the level could ri					
during shut down or startup. This will cause raw sewage to be pu					
TAKEMOTOMW D-501-140DO Suggest looking at mitigation options or alternate configurations.	ica into the diam mamore.	3	Cowden	10/20/2019	
Will look at max liquid level and if necessary can provide a duck-b	II check valve to protect the	, , ,	comucii	10/20/2013	
scowden D-501-140DO condensate manhole.	ii check valve to protect the	3			
TAKEMOTOMW D-501-140D0 Confirm manhole can withstand H-20 traffic loadings.		3	Cowden	10/20/2019	
Where located in an area requiring H-20 loading, a separate vault	cover will be required. Detail to	3	Cowdell	10/20/2019	
scowden D-501-140DO be modified accordingly.	cover will be required. Detail to	3			
These existing Electrical ductbanks are to be demolished / re-align	ad for laving the OF" BC pineline				
from HW3 (N) to California Building. No proposal for installing ne					
existing power, and electrical conductors along the 'C-Street' bet					
BSS E-101-08 MH54(P), MH55(P) has been developed	veeli Eivin-1, Eivin-2, ivin55(r),	3	Michaud	10/20/2019	
	so Still coordinate with sivil on	3	IVIICIIauu	10/20/2019	
There is a cost contingency in place for the possible reroute of the ttom E-101-08 routing options and support options for the duct banks during pig		3			
ttom E-101-08 routing options and support options for the duct banks during pip These existing electrical ductbanks are to be demolished / re-alig		3			
HW3(N) to California Building. No proposal is given for installing r					
these existing power and electrical cables between MH 52(P), MI					
BSS E-103-08 MH57(P), MH58(P)	153(P), MH52(L), MH52(L),	3	Michaud	10/20/2019	
(" ()	h	3	IVIICIIauu	10/20/2019	
Based on photos and video of the manholes these particular duct	banks are not in conflict with the	2			
ttom E-103-08 96" pipe in this area.		3	NATIONAL AND ADDRESS OF THE PARTY OF THE PAR	10/20/2010	
BSS E-104-08 Add: IN NEW CONCRETE ENCASED(CE) CONDUITS		3	Michaud	10/20/2019	
ttom E-104-08 Will do.		3			
BSS E-601-08 52-203B		3	Michaud	10/20/2019	
ttom E-601-08 Will change		3		10/00/00	
BSS E-601-08 52-205B is already in use for M5- M4 link feeder		3	Michaud	10/20/2019	
ttom E-601-08 Will change		3			
BSS E-601-12HW2 SWGR "M5"		3	Michaud	10/20/2019	
Will look into, this is an existing drawing that was not recreated a	nd may require creativity to be				
ttom E-601-12HW2 able to edit the background.		3			
FOR THE CLOSED TRANSITON (HOT SWAP), ADD THE SYNC CHECK					
nelsopetroni E-601-14BLDG64 AND TIE BREAKERS REFER TO 30% COMMENTS HOT TRANSFER A	TACHMENT SHEET 1	3	Michaud	10/20/2019	
ttom E-601-14BLDG64 Will include		3			
ALL BUS DIFFERENTIAL CTs SHOULD HAVE THE SAME CT RATIO. L	SE THE LARGEST CT RATION OF				
nelsopetroni E-601-14BLDG64 1200:5.		3	Michaud	10/20/2019	
ttom E-601-14BLDG64 Will change		3			
nelsopetroni E-601-14BLDG64 WHERE IS THE 4.16KV-277/480V TRANSFORMER??		3	Michaud	10/20/2019	
ttom E-601-14BLDG64 See the overall oneline.		3			
MMF PROTECTIVE RELAY IS NOT REQUIRED FOR THE MAIN BREAF	ERS. USE A BE1-851 OVRCURRENT				
nelsopetroni E-601-14BLDG64 RELAY. THE RELAY DOES NOT REQUIRED A VOLTAGE INPUT (TYP	OF TWO)	3	Michaud	10/20/2019	
ttom E-601-14BLDG64 Will change		3			
nelsopetroni E-601-14BLDG64 FOR THE SPARE BREAKERS INCREASE CT RATIO TO 600:5		3	Michaud	10/20/2019	
ttom E-601-14BLDG64 Will change		3		., ., .==	
nelsopetroni E-601-14BLDG64 FOR THE TRANSFORMER BREAKERS INCREASE CT RATIO TO 300:5		3	Michaud	10/20/2019	
ttom E-601-14BLDG64 Can do.		3		,,	
BSS E-602-08 Location of MCC D not specified. It should be mentioned as LOCA	TED IN WEST PRIMARY	3	Michaud	10/20/2019	
2002 00 Location of Nice of not specified. It should be illeftitioned as Location		3	···iciiaaa	10/20/2015	

Author (in gray ro Responder (in wh						Direct Costs (Appropirate markup addressed in the Cos
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter Catego	ry Assigned Respond	der Date Answered Backchecked	Model by company
om	E-602-08	Will add a note to reference which drawing to go to for MCC location	3			
elsopetroni	E-603-14BLDG64	ADD PLUG/RECEPTACLE TO THE LOAD SIDE OF UPS.	3	Michaud	10/20/2019	
om	E-603-14BLDG64	Will add	3			
elsopetroni	E-605-14BLDG64	CHANGE TO "DEAD BUS"	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will change	3		/ /	
nelsopetroni	E-605-14BLDG64	RELAY PERMISSIVE CONTACT IS NOT REQUIRED	3	Michaud	10/20/2019	
tom ielsopetroni	E-605-14BLDG64 E-605-14BLDG64	Will modify CHANGED TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will change	3	IVIICIIauu	10/20/2019	
elsopetroni	E-605-14BLDG64	CHANGE TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will change	3	Wiichauu	10/20/2019	
elsopetroni	E-605-14BLDG64	CHANGE TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will change	3	Wiichada	10/20/2015	
elsopetroni	E-605-14BLDG64	CHANGE TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will change	3	menada	10,20,2013	
		SINCE RELAYS TRIP THE 86 (LOCKOUT), THE PROTECTIVE RELAY PERMISSIVE TO CLOSE IS NOT				
nelsopetroni	E-605-14BLDG64	REQUIRED. TYPICAL OF ALL RELAYS	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will modify	3			
elsopetroni	E-605-14BLDG64	CHANGE TO "DEAD BUS"	3	Michaud	10/20/2019	
tom	E-605-14BLDG64	Will change	3		7 7 2 2	
nelsopetroni	E-606-12HW2		3	Michaud	10/20/2019	
		This is an image pulled from an existing record drawing, will work with CAD to see if we can modi	fy			
tom	E-606-12HW2	it.	3			
nelsopetroni	E-606-14BLDG64		3	Michaud	10/20/2019	
tom	E-606-14BLDG64	No comment needed	3			
elsopetroni	E-606-14BLDG64	CHANGE TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-606-14BLDG64	Will change	3			
nelsopetroni	E-606-14BLDG64	CHANGE TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-606-14BLDG64	Will change	3			
nelsopetroni	E-606-14BLDG64	CHANGE TO "HOT SWAP"	3	Michaud	10/20/2019	
tom	E-606-14BLDG64	Will change	3			
nelsopetroni	E-606-14BLDG64	CHANGE TO "DEAD BUS"	3	Michaud	10/20/2019	
tom	E-606-14BLDG64	Will change	3			
nelsopetroni	E-606-14BLDG64	CHANGE TO "DEAD BUS"	3	Michaud	10/20/2019	
tom	E-606-14BLDG64	Will change	3			
nelsopetroni	E-607-14BLDG64	RELAY PERMISSIVE CONTACT IS NOT REQUIRED.	3	Michaud	10/20/2019	
tom	E-607-14BLDG64	Will modify	3			
nelsopetroni	E-608-14BLDG64		3	Michaud	10/20/2019	
tom	E-608-14BLDG64	no comment	3			
nelsopetroni	E-608-14BLDG64		3	Michaud	10/20/2019	
tom	E-608-14BLDG64	Will modify	3			
nelsopetroni	E-608-14BLDG64		3	Michaud	10/20/2019	
tom	E-608-14BLDG64	no comment	3			
nelsopetroni	E-608-14BLDG64	CHANGE TO RS485	3	Michaud	10/20/2019	
tom	E-608-14BLDG64	will change	3			
elsopetroni	E-608-14BLDG64	CHANGE TO ETHERNET PORT	3		10/20/2019	
maestri	E-608-14BLDG64	okay	3			
elsopetroni	E-608-14BLDG64	CHANGE TO ETHERNET PORT	3	Michaud	10/20/2019	
tom	E-608-14BLDG64	Will coordinate with product data.	3			
elsopetroni	E-609-14BLDG64		3	Michaud	10/20/2019	
tom	E-609-14BLDG64	no comment	3			
elsopetroni	E-609-14BLDG64		3	Michaud	10/20/2019	
tom	E-609-14BLDG64	no comment	3			
elsopetroni	E-609-14BLDG64	BE1-851 DOES NOT HAVE AN ETHERNET PORT. ONLY RS485	3	Michaud	10/20/2019	
tom	E-609-14BLDG64	Will coordinate with product data	3			
elsopetroni	E-609-14BLDG64	CHANGE TO ETHERNET PORT	3	Michaud	10/20/2019	
tom	E-609-14BLDG64	Will coordinate with product data	3		40/20/22-2	
elsopetroni	E-609-14BLDG64	BE1-851	3	Michaud	10/20/2019	
tom	E-609-14BLDG64	Will change	3			
elsopetroni	E-609-14BLDG64	DELETE PERMISSIVE. CHANGE TO SPARE OUTPUT	3	Michaud	10/20/2019	
tom	E-609-14BLDG64	Will modify	3			
elsopetroni	E-610-14BLDG64		3	Michaud	10/20/2019	
tom	E-610-14BLDG64	no comment	3			
elsopetroni	E-610-14BLDG64		3	Michaud	10/20/2019	
tom	E-610-14BLDG64	no comment	3			

Author (in gray rov Responder (in whit	te					Direct Costs (Appropirate markups addressed in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows) Comme	nter Category	Assigned Responder		Model by company)
nelsopetroni	E-610-14BLDG64		3	Michaud	10/20/2019	
ttom	E-610-14BLDG64	no comment	3			
nelsopetroni	E-610-14BLDG64	DELETE PERMISSIVE. CHANGE TO SPARE OUTPUT	3	Michaud	10/20/2019	
ttom	E-610-14BLDG64	Will modify	3			
nelsopetroni	E-610-14BLDG64	BE1-11T	3	Michaud	10/20/2019	
ttom	E-610-14BLDG64	Will edit	3	8.41-1	10/20/2010	
nelsopetroni	E-611-14BLDG64 E-611-14BLDG64	no comment	3	Michaud	10/20/2019	
ttom		no comment		MA:-bd	10/20/2010	
nelsopetroni ttom	E-611-14BLDG64 E-611-14BLDG64	no comment	3	Michaud	10/20/2019	
nelsopetroni	E-611-14BLDG64	OUT2	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will change	3	IVIICIIauu	10/20/2019	
nelsopetroni	E-611-14BLDG64	OUT4	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will change	3	Wiichada	10/20/2015	
nelsopetroni	E-611-14BLDG64	OUT5	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will change	3	menada	10/20/2013	
nelsopetroni	E-611-14BLDG64	THERE ARE TWO CT TEST SW FOR 52-104E	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will coordinate	3		., .,	
nelsopetroni	E-611-14BLDG64	OUT3	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will change	3			
nelsopetroni	E-611-14BLDG64	SEL587Z DOES NOT HAVE AN ETHERNET PORT. ONLY RS485	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will coordinate with product data	3			
nelsopetroni	E-611-14BLDG64	86-BA OR 86-BI	3	Michaud	10/20/2019	
ttom	E-611-14BLDG64	Will coordinate	3			
		It appears that the purpose of "R" is to confirm that motor has achieved the proper current before				
		TMR times out. Why do you alarm rather than trip the M coil? Does the DCU open the signal to				
nelsopetroni	E-707-08	CR1?	3	Michaud	10/20/2019	
		It is a current sensor to alarm to SCADA when the fan is off and an area is no longer declassified. Do				
ttom	E-707-08	not want to trip. Will coordinate controls with I&C and HVAC to be clearer.	3			
		WHEN THE TDR TIMES OUT , THE "M" SHOULD BE DE-ENERGIZED. THE TDR CONTACT SHOULD				
nelsopetroni	E-708-08	ALARM TO DCU	3	Michaud	10/20/2019	
ttom	E-708-08	Will correct	3			
nelsopetroni	E-708-08	ESTOP FROM DCU SHOULD BE NORMALLY CLOSED	3	Michaud	10/20/2019	
ttom	E-708-08	Will correct	3		40/20/2040	
nelsopetroni kmaestri	E-708-08 E-708-08	no comment	3		10/20/2019	
nelsopetroni	E-708-08	CR9??	3	Michaud	10/20/2019	
ttom	E-708-08	Will correct	3	iviiciiauu	10/20/2019	
nelsopetroni	EF-102-14BLDG64	ADD EXIT SIGN	3	Michaud	10/20/2019	
ttom	EF-102-14BLDG64	Not required by code but can add.	3	Wiichada	10/20/2015	
nelsopetroni	EF-112-14BLDG64	ADD EXIT SIGN	3	Michaud	10/20/2019	
певоренош	E. 112 1 1020 00 1	This is an open walkway and the exits signs are located in the control room and electrical room for	<u> </u>	menada	10/20/2013	
ttom	EF-112-14BLDG64	egress.	3			
DG	EP-111-14HW3IS	Indicate drawinf	3	Michaud	10/20/2019	
ttom	EP-111-14HW3IS	Will discuss with management on the CAD standard for this.	3		,	
		Why are these control stations (?) different than the ones on the other gates? View on plan for				
TAKEMOTOMW	EP-120-14HW3GB	Area B is different than what is shown on this sheet.	3	Michaud	10/20/2019	
ttom	EP-120-14HW3GB	Will double check the model for accuracy.	3			
		Confirm intent is to have control stations next to each gate. For the RSPS, the gate control station				
TAKEMOTOMW	EP-120-14HW3GB	are all co-located on the handrail nearby.	3	Michaud	10/20/2019	
		Intent is to have them near the gates where possible. It wasn't possible to mount the disconnects				
ttom	EP-120-14HW3GB	and such near the gates at RSPS due to access issues.	3			
		Keynote: Is there a detail that can show acceptable methods to run these conduits and cables				
nelsopetroni	ET-100-08	"overhead"?	3	Michaud	10/20/2019	
		This is for temporary construction and at the contractors discretion unless there is a particular				
ttom	ET-100-08	request from the City.	3			
DG	G-002-01	Where are grading plans 1,2 and 4?	3	Chandler	10/20/2019	
Sam Chandler	G-002-01	Grading plans 1, 2, and 4 are not used.	3			
DG	G-004-01	Move General Notes to the top right, follow CIty CAD format (TYP)	3	Williamson	10/20/2019	
KandiMaestri	G-004-01	ok	3			
DG	G-005-01	(CONTD.)	3	Williamson	10/20/2019	
KandiMaestri	G-005-01	ok	3			
DG	G-010-01	Align all text	3	Chandler	10/20/2019	
Sam Chandler	G-010-01	Will do	3			
DG	G-010-01	"or as required to maintain site security"	3	Chandler	10/20/2019	

Author (in gray ro Responder (in whi	ite							Direct Costs (Appropirate markups addressed in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder [Date Answered	Backchecked	Model by company)
Sam Chandler	G-010-01	Will do		3				
DG	G-010-01	Remove General Disclaimer, or move to upper right		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	Will move to upper right		3				
TAKEMOTOMW	G-010-01	Complete callout boxes and adjust location within text.		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	Agree		3				
DG	G-010-01	No additional survey. Refer to the Subsurface Assessment, and state that all information obtained in the 2019 subsurface assessment will be incorporated into the design.		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	Will do.		3				
DG	G-010-01	This does not adere to CIP standards, modify.		3	Chandler	10/20/20:	19	
kmaestri	G-010-01	will review		3				
DG	G-010-01	change to "DESIGN BUILDER" - Make universal change. These drawings establish contract terms between the City and the DB - not the DB and the Subcontractor. As far as the City is concerned, thi	is	3	Chandler	10/20/20:	10	
Sam Chandler	G-010-01 G-010-01	is the DBs responsibility. Will do, once verified with project contract language.			Chandler	10/20/20.	19	
DG Chandler	G-010-01 G-010-01	I thought GIS only provided approximate pipe location elevations, not topo change.		3	Chandler	10/20/20:	10	
		Will update to reflect that existing grade is based on City supplied grading information compiled for	г		Chandler	10/20/20		
Sam Chandler	G-010-01	previous projects.		3	a l II			
DG	G-010-01	What Subcontractor? Change to "Design-Builder"		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	Will do.		3	Cl II			
TAKEMOTOMW	G-010-01	Are there requirements for separation between potable/recycled water/wastewater pipelines?		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	Yes, piping designed to meet minimum separation requirements.		3	Chandles	10/20/20	10	
DG kmaestri	G-010-01 G-010-01	add will do		3	Chandler	10/20/20:	19	
DG	G-010-01 G-010-01			3	Chandles	10/20/20:	10	
kmaestri	G-010-01 G-010-01	incomplete (typ) will complete		3	Chandler	10/20/20.	19	
DG	G-010-01 G-010-01	add page number for reference		3	Chandler	10/20/20:	10	
kmaestri	G-010-01	we use drawing numbers, not sheet numbers within the drawing set for cross referencing		3	Chandlei	10/20/20.	LJ	
DG	G-010-01	"DESIGN BUILDER's"		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	Will do, once verified with project contract language.		3	Chanalei	10/20/20	-	
DG	G-010-01	Are all existing pipes shown as single line?		3	Chandler	10/20/20:	19	
Sam Chandler	G-010-01	No, will update to reflect modeled pipes displayed as double line		3		,,		
DG	G-021-01	The height stated here does not match what is stated in the structural drawings. THE MAJORITY OF THE ROOF IS AT ELEV 26 AND GRADE IS AT 9.00 SO WE WILL ADJUST THE TO 17		3	Pieterick	10/20/20	19	
epieteri	G-021-01	FT TO BE CONSISTENT WITH STRUCTURAL AND CIVIL.		3				
DG	G-021-01	See comment on top left of page		3	Pieterick	10/20/20:	19	
		Usually on projects with multiple buildings the code officials have asked that these code sheets be				,,		
epieteri	G-021-01	consolidated onto general sheets so they don't have to find all the buildings. If this is not what the code official wants this time we can break this sheet up by building.		3				
DG	G-021-01	State if Not Required		3	Pieterick	10/20/20:	19	
epieteri	G-021-01	WILL CHANGE NONE TO NOT REQUIRED		3	receited	10/20/20		
DG	G-021-01	This drawing should only contain the Architectural ABbr. and Legends. Move project specific code		3	Pieterick	10/20/20:	10	
kmaestri	G-021-01 G-021-01	drawings and data to the Architectural Drawings. This is a life safety drawing, not a legend. no change planned		3	rieterick	10/20/20.	19	
		Add note 3 stating that the Headworks Project adheres to the requirements stated in the City's Fire						
DG	G-021-01	Life Safety Project		3	Pieterick	10/20/20:	19	
epieteri	G-021-01	Note will be added.		3	D: 1 - 1 - 1			
DG	G-021-01	Move to top right of page (typ) We will look into reorganizing the sheet to do this but it we feel as long as we keep the note		3	Pieterick	10/20/20:	19	
epieteri	G-021-01	together with the legend they will not be overlooked by contractor.		3				
DG	G-031-01	Provide list of structural deferred submittals		3	Scoggins	10/20/20:	19	
Iscoggin	G-031-01	List is above. Specific item list to be populated by design builder for submission		3				
DG	G-032-01	What about Milpitas Structure Modifications?		3	Scoggins	10/20/20:	19	
		Will review. Current scope is removal of damaged portion of structure which was added after initial	l					
Iscoggin	G-032-01	construction of facility. This will effectively take it back to the original as-constructed condition.		3				
55		There will be a lot more notes for the mechanical drawings, suggest starting a separate sheet for						
DG	G-040-01	Mechanical notes		3	Youker	10/20/20:	19	
		There are notes on mechanical drawings that will be specific to the drawing they are on. These						
Bryan Youker	G-040-01	notes are standard notes which apply to all.		3				
DG	G-040-01	?		3	Youker	10/20/20:	19	
Bryan Youker	G-040-01	Will review and delete if required.		3				
DG	G-040-01	Which sheet is a comprehensive list of equipment, equipment numbers/tags provided?		3	Youker	10/20/20:	19	
Bryan Youker	G-040-01	We do not include a drawing with comprehensive list of equipment names and numbers.		3				
DG	G-051-01	move to top right, typ		3	Sackinger	10/20/20:	19	
jsacking	G-051-01	Will do.		3				

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DG	G-052-01	Move to HVAC abbr. page		3	Sackinger	10/20/2019	
jsacking	G-052-01	Will do.		3			
DG	G-052-01	There are minimum standards for SEER (13?), does this apply to heat pumps as well?		3	Sackinger	10/20/2019	
jsacking	G-052-01	2019 Energy Code is 13 SEER and 7.7 HSPF. Scheduled is 16 SEER and 11.6 HSPF		3	6	10/20/2010	
dbpeters jsacking	G-052-01 G-052-01	Moved to roof? Correct. Will revise.		3	Sackinger	10/20/2019	
DG	G-052-01	Sp.		3	Sackinger	10/20/2019	
jsacking	G-052-01	Correct. "Performance"		3	Juckinger	10/20/2019	
DG	G-052-01	call out specification		3	Sackinger	10/20/2019	
jsacking	G-052-01	Will do		3	0 -	-, -,	
DG	G-055-01	Follow City CAD standard layout.		3	Sackinger	10/20/2019	
jsacking	G-055-01	Will do.		3			
DG	G-055-01	change all "subcontractor" to "Design Builder"		3	Sackinger	10/20/2019	
jsacking	G-055-01	Will do.		3			
DG	G-055-01	Show actual piping schedule designation		3	Sackinger	10/20/2019	
jsacking	G-055-01	Will do		3	6	10/20/2010	
DG jsacking	G-055-01 G-055-01	Move to top right. Will do.		3	Sackinger	10/20/2019	
DG	G-055-01 G-055-01	Will do. Move to top		3	Sackinger	10/20/2019	
jsacking	G-055-01 G-055-01	Not sure what this means. Move schedule to top of page? Where does the other stuff go?		3	Jackinger	10/20/2019	
DG	G-060-01	move to top right		3	Michaud	10/20/2019	
ttom	G-060-01	Will modify legend		3		,,	
TAKEMOTOMW	G-080-01	,		3	White	10/20/2019	
R White	G-080-01	Correct, will add.		3			
dbpeters	G-080-01	North MW		3	White	10/20/2019	
R White	G-080-01	Will change.		3			
DG	G-080-01	include all abbr.		3	White	10/20/2019	
R White	G-080-01	Will do.		3			
		Based on the flows presented in the Hydraulic Profile, it appears no flow is coming from this SWPS.	•				
TAKEMOTOMW	G-080-01	Confirm flows. If there are flows, confirm hydraulic impacts.		3	White	10/20/2019	
R White dbpeters	G-080-01 G-080-01	Flows are negligible. South MV		3	White	10/20/2019	
R White	G-080-01	Will change.		3	wille	10/20/2019	
dbpeters	G-080-01	Eliminate this jumper?		3	White	10/20/2019	
		Have evaluated that this connection is not necessary. Per meeting on 10/22 connection will be		-		,,	
R White	G-080-01	removed.		3			
dbpeters	G-080-01	What happens to 66"?		3	White	10/20/2019	
R White	G-080-01	66" is diverted to the new Recycle Pump Station.		3			
DG	G-080-01	Suggest having a different line nomenclature for abandoned pipes		3	White	10/20/2019	
R White	G-080-01	Agreed, will do.		3			
		Based on the flows presented in the Hydraulic Profile, it appears no flow is coming from this SWPS.	•				
TAKEMOTOMW	G-080-01	Confirm flows. If there are flows, confirm hydraulic impacts.		3	White	10/20/2019	
R White DG	G-080-01 G-080-01	Flows are negligible. call out line size		3	White	10/20/2019	
R White	G-080-01 G-080-01	This line is 48", will modify for clarity.		3	ANIIIIG	10/20/2019	
TAKEMOTOMW	G-080-01	Coordinate depiction with work shown on Y-112-07, e.g. no reducers being added		3	White	10/20/2019	
R White	G-080-01	Will coordinate.		3		,,±3	
		Based on the flows presented in the Hydraulic Profile, its unclear if flows from Speckles are include	d				
TAKEMOTOMW	G-080-01	or are negligible. Confirm flows. If there are flows, confirm hydraulic impacts.		3	White	10/20/2019	
R White	G-080-01	Flows are negligible.		3			
DG	G-080-01	call out abbr.		3	White	10/20/2019	
R White	G-080-01	Will add abbr.		3			
DG	G-080-01	show directional arrows (typ)		3	White	10/20/2019	
R White TAKEMOTOMW	G-080-01	Will add.		3	White	10/20/2010	
R White	G-080-01 G-080-01	Suggest showing abandoned pipes for consistency with the rest of this sheet. Will show as abandoned.		3	wnite	10/20/2019	
iv willing	G-000-01	Based on the flows presented in the Hydraulic Profile, it appears no flow is coming from the Coffin		3			
TAKEMOTOMW	G-080-01	Structure. If there are flows, confirm hydraulic impacts.		3	White	10/20/2019	
R White	G-080-01	Flows are negligible.		3		10/20/2013	
DG	G-080-01	what is being capped here?		3	White	10/20/2019	
R White	G-080-01	The gravity by pass from RSPS2 to the California Structure is being capped.		3		, ,	
		Yard piping drawings show re-routing of the North Milpitas Forcemain, but does not show re-					
		routing of the South Milpitas Forcemain. Suggest maintaining the South Milpitas FM connection at	t e				
TAKEMOTOMW	G-080-01	the Milpitas Structure for operational flexibility. Confirm.		3	White	12/6/2019	

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		Per meeting on 10/22 Milpitas FMs will be connected outside of the Milpitas Structure and a new connection to the EBOS will be made.				
		GMP Assumption: Include alternate route for Milpitas FM. Use design and cost values from 30%.				
R White	G-080-01	Include costs in Cost Model.	3			
dbpeters	G-080-01	84 can go to Filters too - show junction box?	3	White	10/20/2019	
R White	G-080-01	Junction Box is shown on G-081-01.	3	AARLA .	10/20/2010	
dbpeters R White	G-080-01 G-080-01	I think Esteros/Alviso are abandoned Agreed, will remove or note.	3	White	10/20/2019	
DG	G-080-01 G-080-01	cap line to south?	3	White	10/20/2019	
R White	G-080-01	Yes, will modify.	3	willte	10/20/2019	
TAKEMOTOMW	G-080-01	What is happening to this line? Abandoned?	3	White	10/20/2019	
R White	G-080-01	Correct, this line will be abandoned.	3			
DG	G-080-01	Show 24" and 66" as being diverted	3	White	10/20/2019	
R White	G-080-01	Will do.	3			
TAKEMOTOMW	G-081-01	Storm drain schematic does not match the yard piping shown on Y-106-07	3	Edwards	10/20/2019	
R White	G-081-01	Will label 15" pipe for clarity.	3			
DG	G-081-01	indicate source, pipe size	3	Edwards	10/20/2019	
dedwards	G-081-01	Will provide source pipe size	3			
dbpeters	G-081-01	Cheaper to pump into Filter BW OF pipe?	3	Edwards	10/20/2019	
		Possibly. We can look at a cost comparison. Need to discuss if sending this flow normally through the Coffin structure and through the headworks is desirable versus to California and onto the Primaries. This is a low flow so, velocity would be very low in the 36", 48" and 84" piping to the				
dedwards	G-081-01	Coffin structure.	3			
TAKEMOTOMW	G-081-01	Based on Y-101-07 it appear there is another existing CB that tees in here	3	Edwards	10/20/2019	
dedwards	G-081-01	There is another SD pipe which ties into CB61. Will add it to this diagram.	3			
MBritten	G-090-01	Show overflow structure to EOB	3	White	10/20/2019	
R White	G-090-01	Flow does not pass through the EOB, and is only used as temporary storage	3			
MBritten	G-090-01	Show profile of EOB	3	White	10/20/2019	
R White	G-090-01	EOB is empty in these flow scenarios,.	3			
MBritten	G-090-01	25	3		10/20/2019	
MBritten	G-090-01	0 EL -1.48 EL-4.12 EL -5.00 NATHAN EBBS 38905 -5 This will overflow if power goes out at plant while power is still on for pump stations in the	3			
		collection system. Consider provisions for containing or directing flow to storage to prevent				
140 du	0.000.04	violation. Also, a spill here would be catastrophic from erosion/washout of the facilities if not	3	Crook	10/20/2010	
MBritten	G-090-01	conveyed by hard structures, such as piping or lined channel. Consider overflow line to EOB	3	Crook	10/20/2019	
		The pump base mounting is sealed to avoid the catastrophic spill mentioned. If a pump is removed from service for overhaul, the isolation gates to the pump bay will be closed and will prevent such a				
scrook	G-090-01	catastrophic spill.	3			
SCIOOK	0-030-01	Has the additional headloss through the wet well baffle wall and inlet gates openings been factored	3			
TAKEMOTOMW	G-090-01	in the hydraulic profile?	3	White	10/20/2019	
R White	G-090-01	Assumed losses through the baffle wall are being used. Inlet losses are factored in.	3			
dbpeters	G-090-01	What is range? 23.0 is higher than flow ever gets.	3	Youker	10/20/2019	
		El 23.0 is a static/passive overflow weir elevation. It comes in use during an emergency if gate at				
		California Structure is closed. We can lower the overflow weir elevation so that is comes into use				
Bryan Youker	G-090-01	sooner.	3			
MBritten	G-090-01	OVERFLOW WEIR EL 23.0 San Jose- Santa Clara Regional Wastewater Facility 3C	3		10/20/2019	
kmaestri	G-090-01		3			
TAKEMOTOMW	G-090-01	Could not find 4D on this sheet. Suggest adding a reference to Note 2. above. if that is applicable	3	White	10/20/2019	
R White dbpeters	G-090-01 G-110-01	Will correct. Headworks 3	3	Youker	10/20/2019	
Bryan Youker	G-110-01 G-110-01	Will add	3	Tourci	10/20/2015	
2. , 311 Tourier	2 110 01	Show information in a table format so one doesn't have to align the numerical information on the	سندر			
DG	G-110-01	right side to the text description on the left side.	3	Youker	10/20/2019	
Bryan Youker	G-110-01	Will add grid lines from spreadsheet when we copy into drawing.	3		,	
dbpeters	G-110-01	Headworks 3	3	Youker	10/20/2019	
Bryan Youker	G-110-01	Will add	3			
dbpeters	G-110-01	Headworks 3	3	Youker	10/20/2019	
Bryan Youker	G-110-01	Will add	3			
DG	G-110-01	Suggest calling this "HW3 Stormwater PS" to avoid confusion with the recycle PS.	3	Youker	10/20/2019	
D V	0.440.61	This pump station also receives non-stormwater flow and follows the precedence of other recycle	_			
Bryan Youker	G-110-01	pump stations.	3	Varilian	10/20/2010	
DG Bryan Youker	G-110-01 G-110-01	add capacity information, efficiencies, Will add capacity. Will consider including efficiencies.	3	Youker	10/20/2019	
DG Pryan Youker	G-110-01 G-110-01	Does not match spec, this table should say what the design criteria of the headcells are	3	Youker	10/20/2019	
53	0-110-01	Does not match spee, this table should say what the design thrend of the neathers are	3	IOUNCI	10/20/2013	

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		Will delete the PHDWF since spec only describes grit removal at 28 mgd and 46 mgd. The removal					
5	6.440.04	for 28/46mgd does match specification. 28 mgd/basin = Design Year ADMMF with 5 basins in	2				
Bryan Youker	G-110-01	service.	3	W. L.	40/20/204	•	
DG	G-110-01	What use is the startup year information? Suggest only having design year info.	3	Youker	10/20/201	9	
Davis a Varilian	C 110 01	Startup year information is useful to see the flows anticipated when testing. They can also be	3				
Bryan Youker dbpeters	G-110-01 G-120-01	useful for estimating minimum flows. We can delete information if desired. Provide direction. Explicitly call out 96" from HW3 to CA similar to what is shown for 108"	3	Edwards	10/20/201	1	
dedwards	G-120-01 G-120-01	Will add row for 96"	3	Euwalus	10/20/201	9	
dbpeters	G-120-01 G-120-01	Will add TOW TOLES	3	Edwards	10/20/201	n	
kmaestri	G-120-01 G-120-01	no comment	3	Euwalus	10/20/201	9	
TAKEMOTOMW	N-001-09	Flow can go in both directions.	3	Foley	10/20/201	9	
jfoley	N-001-09	Will update.	3	roley	10/20/201	,	
Carlos Garcia	N-001-09	Typical: Drop "00" from all non-repeating setups, systems, of instruments	3	Foley	10/20/201	9	
jfoley	N-001-09	Will do.	3		,,		
TAKEMOTOMW	N-001-09	Tag #?	3	Foley	10/20/201	9	
Bryan Youker	N-001-09	No tags on manual valves until next phase.	3	roley	10,20,201	•	
Carlos Garcia	N-001-09	Typical: All disconnects are "ZI" not "XL"	3	Foley	10/20/201	9	
jfoley	N-001-09	Will update.	3	roley	10,20,201	•	
Carlos Garcia	N-001-09	It is customary to have legends & symbols sheets at beginning of section. Please move it.	3	Foley	10/20/201	9	
Carios Garcia	14-001-03	it is customary to have regenus & symbols sheets at beginning of section, riease move it.	3	loley	10/20/201	,	
		Suffix "B" not necessary. Typical if the conflict is caused by the mis-tagged "disconnect close" which					
Carlos Garcia	N-001-09	should also lose the "A" suffix	3	Foley	10/20/201	9	
jfoley	N-001-09	Will update.	3	Toley	10/20/201	,	
Carlos Garcia	N-002-09	Coming from where?	3	Foley	10/20/201	2	
kmaestri	N-002-09 N-002-09	will fix	3	roley	10/20/201	9	
DG	N-002-09 N-002-09	Provide an example.	3	Foley	10/20/201	2	
jfoley	N-002-09	Will do.	3	Toley	10/20/201	,	
Carlos Garcia	N-002-09	Why of what is the purpose?	3	Foley	10/20/201	2	
kmaestri	N-002-09	with of what is the purpose:	3	roley	10/20/201	,	
DG	N-002-09 N-002-09	CU numbering is incorrect, modify (TYP of all drawings)	3	Foley	10/20/201	2	
jfoley	N-002-09 N-002-09	Will do.	3	roley	10/20/201	9	
Jioley	N-002-09	Are Typicals marked in N-001-09 and are redlined here just emphasize the error. It will not be	2				
Carlos Garcia	N-003-09	redlined anymore.	3	Foley	10/20/201	a	
ifoley	N-003-09	Noted, will update.	3	Toley	10/20/201	,	
TAKEMOTOMW	N-003-09	Flow can go in both directions.	3	Foley	10/20/201	2	
ifoley	N-003-09	Will update.	3	Toley	10/20/201	,	
TAKEMOTOMW	N-005-09	Label	3	Foley	10/20/201	2	
Bryan Youker	N-005-09	Will add. 12"	3	Toley	10/20/201	,	
TAKEMOTOMW	N-005-09	Delete "Grit Basin Effluent" from label.	3	Foley	10/20/201	n	
Bryan Youker	N-005-09	Agree. Will revise.	3	roley	10/20/201	9	
DG	N-005-09	Is a MODBUS connection provided from each PLC? TYP	3	Foley	10/20/201	1	
kmaestri	N-005-09	is a into bos connection provided from each PLC? The	3	roley	10/20/201	9	
TAKEMOTOMW	N-005-09	18" SCR/D	3	Foley	10/20/201	1	
				roley	10/20/201	9	
Bryan Youker TAKEMOTOMW	N-005-09 N-005-09	Agree. Will add callout. Delete "Sceenings Handling" from label.	3	Foley	10/20/201	1	
Bryan Youker	N-005-09 N-005-09	Agree. Will revise	3	ruley	10/20/201	9	
	N-005-09 N-005-09		3	Folou	10/20/201	1	
Carlos Garcia jfoley	N-005-09 N-005-09	Apply standard for "multiple level indicators" correct suffixes are -01A &-01B Will do.	3	Foley	10/20/201	9	
				5.1.	40/20/204	•	
DG	N-006-09	What is Home position?	3	Foley	10/20/201	9	
Bryan Youker	N-006-09	Huber includes a proximity switch to know where "home" position is. The cleaning cycle requires at least one revolution of the rakes.	3				
Carlos Garcia	N-006-09	When there is a single, non-repeating instrument or set-up there is no numeric suffix drop the "-01"	3	Foley	10/20/201	9	
jfoley	N-006-09	Will do.	3		10, 20, 201		
Carlos Garcia	N-006-09	Note: Please ensure that all "one-off" or non-repeating setups have no numeric suffix	3	Foley	10/20/201	9	
jfoley	N-006-09	Noted.	3	. Jicy	10/20/201		
TAKEMOTOMW	N-006-09	Suggest "Screen" instead of "Screenings", TYP 3	3	Foley	10/20/201	9	
Bryan Youker	N-006-09	Agree. This is Influent Screen Effluent Channel.	3	. Jicy	10/20/201		
TAKEMOTOMW	N-006-09	Not clear which valves these are on the Yard Piping sheets.	3	Foley/Youker	10/20/201	2	
TARLIVIOTORIV	14-000-03	Agree. Will likely create another PID on Utility PID that shows the connection between RW and	3	i diey/ rouker	10/20/201	,	
Bryan Youker	N-006-09	WTR3 with the isolation valves and backflow preventer.	3				
Carlos Garcia	N-006-09 N-006-09	Use new: TQH (VAH) is for vibration	3	Foley	10/20/201	2	
	N-006-09	Use new: TQH (VAH) is for vioration Will do.	3	loley	10/20/201	,	
jfoley Carlos Garcia	N-006-09	******	3	Folov	10/20/201	1	
		This is also a non-repeating instrument drop the suffix "-01"		Foley	10/20/201	9	
kmaestri	N-006-09	acknowledged	3				

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rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder		Model by company)
Carlos Garcia	N-006-09	Hollow arrow		3	Foley	10/20/2019	
jfoley	N-006-09	Will update.		3			
TAKEMOTOMW	N-006-09	Is there a damper on this line?		3	Foley	10/20/2019	
kmaestri	N-006-09	no		3	Milliamon	10/20/2010	
DG	N-006-09	move note to top right, see CAD stds. typ.		3	Williamson	10/20/2019	
kmaestri DG	N-006-09 N-006-09	will modify Name channels 1, 2 and 3		3	Foley	10/20/2019	
Bryan Youker	N-006-09	Agree. Will add.		3	ruley	10/20/2019	
TAKEMOTOMW	N-007-09	This end should be drawn as the end of concrete channel. Flow exits via pipe.		3	Foley	10/20/2019	
kmaestri	N-007-09 N-007-09	will coordinate with mechanical		3	ruley	10/20/2019	
TAKEMOTOMW	N-007-09	Not sure what this is. Could not find it on the process drawings.		3	Foley	10/20/2019	
kmaestri	N-007-09	Not sure what this is. Could not find it on the process drawings.		3	Toley	10/20/2013	
Carlos Garcia	N-007-09	C1 & C2 suffixes		3	Foley	10/20/2019	
jfoley	N-007-09	Will add.		3		,,	
Carlos Garcia	N-007-09	Redlining again for emphasis: apply "multiple level indicators in tank" rule of the standards		3	Foley	10/20/2019	
jfoley	N-007-09	Noted.		3		,,	
TAKEMOTOMW	N-007-09	120" RS		3	Foley	10/20/2019	
jfoley	N-007-09	Will add.		3	,		
Carlos Garcia	N-007-09	function of this?		3	Foley	10/20/2019	
kmaestri	N-007-09			3			
TAKEMOTOMW	N-007-09	Suggest "Screen" not "Screenings"		3	Foley	10/20/2019	
kmaestri	N-007-09	will consider		3			
Carlos Garcia	N-007-09	Careful with this change (typo?) Please ensure that "XL" is used throughout		3	Foley	10/20/2019	
jfoley	N-007-09	Will do.		3			
		This valve loop number is not consistent with the tags at the panel or at DCS. See drawing N-009-09	9				
Carlos Garcia	N-008-09	for reference		3	Foley	10/20/2019	
kmaestri	N-008-09	will review		3			
Carlos Garcia	N-008-09	This leads to #9523		3	Foley	10/20/2019	
kmaestri	N-008-09	will fix		3			
Carlos Garcia	N-008-09	Is this hand switch local?		3	Foley	10/20/2019	
kmaestri	N-008-09	yes		3	e.t.	10/20/2010	
Carlos Garcia kmaestri	N-008-09 N-008-09	Same panel # in N-009-09 Is this 14LCP9523?		3	Foley	10/20/2019	
		yes, panel is shown on multiple PIDS. Could not find these on the mechanical process sheets. Does not seem to match the configuration					
TAKEMOTOMW	N-008-09	shown on the process mechanical drawings.		3	Foley	10/20/2019	
kmaestri Carlos Garcia	N-008-09 N-009-09	will coordinate		3	e.t.	40/20/2040	
kmaestri	N-009-09 N-009-09	Same panel # in N-008-09		3	Foley	10/20/2019	
		yes		3	Falan	10/20/2010	
Carlos Garcia kmaestri	N-009-09 N-009-09	ETC unclear of comment		3	Foley	10/20/2019	
TAKEMOTOMW	N-009-09	K abbreviation for knife gate missing on VLV 9520-03		3	Foley	10/20/2019	
kmaestri	N-009-09	will correct		3	Toley	10/20/2013	
Killacstil	11 003 03	Not sure what the bypass line is for. If its to maintain the flow meter and PRV then additional					
TAKEMOTOMW	N-012-09	isolation valves are needed to isolate those items.		3	Foley	10/20/2019	
kmaestri	N-012-09	will review and add additional valves as needed		3	,		
TAKEMOTOMW	N-012-09	This end should be drawn as the start of a concrete channel. Flow enters via pipe		3	Foley	10/20/2019	
kmaestri	N-012-09	will coordinate with mechanical and correct as needed		3	,	., .,	
Carlos Garcia	N-012-09	Legends are not sufficiently clear typical N-(012-016)-09		3	Foley	10/20/2019	
kmaestri	N-012-09	Unclear what the specific issue is.		3			
TAKEMOTOMW	N-012-09	120" RS		3	Foley	10/20/2019	
jfoley	N-012-09	Will add.		3			
		The physical depiction shown is mirrored from what the actual physical arrangement is. E.g. Grit Basin 1 is on the south side of the structure; based on the view shown here it would be on the nort	th				
TAKEMOTOMW	N-019-09	side. Revise.		3	Foley	10/20/2019	
		these are graphical and are for describing all the equipment on the project, not meant to mirror th	e	_			
kmaestri	N-019-09	exact physical layout of the equipment. No change planned.		3	F.1.	10/20/2010	
Carlos Garcia	N-019-09	There is no "C3" suffix in standard. Typical		3	Foley	10/20/2019	
jfoley	N-019-09	Will update.		3	Falan	10/20/2012	
TAKEMOTOMW kmaestri	N-020-09 N-020-09	The physical depiction shown is mirrored from what the actual physical arrangement is.		3	Foley	10/20/2019	
TAKEMOTOMW	N-020-09 N-021-09	see response on previous page D120-14HW3GB shows a foul air makeup air intake near Grit Basin 6.		3	Foley	10/20/2019	
kmaestri	N-021-09 N-021-09	will coordinate and modify PID as needed.		3	loley	10/20/2019	
Carlos Garcia	N-021-09 N-021-09	Digital arrow		3	Foley	10/20/2019	
ifoley	N-021-09 N-021-09	Will update.		3	· Sicy	10/20/2019	
Carlos Garcia	N-021-09 N-021-09	Non-repeating. Drop the suffix "01"		3	Foley	10/20/2019	
	021 05			,	. 5.0,	10/10/1013	

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jfoley	N-021-09	Will do.	3		5.1.	/2040	
TAKEMOTOMW kmaestri	N-021-09 N-021-09	The physical depiction shown is mirrored from what the actual physical arrangement is. acknowledged. see response on previous page.	3		Foley 10/20	/2019	
TAKEMOTOMW	N-021-09 N-022-09	/RW	3		Foley 10/20	/2019	
Bryan Youker	N-022-09	Will review and coordinate flow streams.	3		10/20	72013	
TAKEMOTOMW	N-022-09	This does not align with flow tags on N-025-09. Should be 70?	3		Foley 10/20	/2019	
kmaestri	N-022-09	will confirm and fix as required	3	3	•		
Carlos Garcia	N-022-09	Typical. Also need a "C1" suffix	3	3	Foley 10/20	/2019	
jfoley	N-022-09	Will update.	3	3			
TAKEMOTOMW	N-023-09	Grit Handling 1	3		Foley 10/20	/2019	
Bryan Youker	N-023-09	Will review and correct.	3				
TAKEMOTOMW	N-024-09	Grit Handling 2	3		Foley 10/20	/2019	
Bryan Youker	N-024-09	Will review and correct.	3				
TAKEMOTOMW	N-025-09	Al label missing?	3		Foley 10/20	/2019	
kmaestri	N-025-09	will review and correct as needed	3	3			
Carlas Caraia	N-030-09	This is a unique drawing. As such, there is no need for the numeric suffix. Drop all "01" suffixes and	·	,	5-1 10/20	/2019	
Carlos Garcia jfoley	N-030-09	fix the open/close suffixes with C1 & C2 Will do.	3		Foley 10/20	1/2019	
Jioley	N-050-09	Is it possible and/or is the City interested in re-purposing one of the existing motorized actuators o		,			
TAKEMOTOMW	N-030-09	the gate for the new connection from HW3?	" 3	2	Youker 10/20	/2019	
Bryan Youker	N-030-09	City to provide direction.	3		10/20	72013	
Carlos Garcia	N-030-09	Do we need a start/stop on this?	3		Foley 10/20	/2019	
kmaestri	N-030-09	we do not believe a remote start stop is required.	3		20,20	,	
Carlos Garcia	N-031-09	Have the grayed out signals been removed?	3		Foley 10/20	/2019	
kmaestri	N-031-09	no, they are existing signals that are not being modified. new signals.	3	3	•		
		Unique drawing. Suffixes not wanted. Marked here again just for identifications purposes. This					
Carlos Garcia	N-031-09	error is now considered "typical" and will not be called out again.	3	3	Foley 10/20	/2019	
jfoley	N-031-09	Noted.	3	3			
Carlos Garcia	N-031-09	Pressure controller? Use "PC"	3	3	Foley 10/20	/2019	
jfoley	N-031-09	Will do.	3				
TAKEMOTOMW	N-033-09	k	3		Cowden 10/20	/2019	
kmaestri	N-033-09	no comment	3		- 1	. (00.00	
Carlos Garcia	N-033-09	What are these? XXX? AET, AY?	3		Foley 10/20	/2019	
kmaestri TAKEMOTOMW	N-033-09 N-033-09	Label	3		Cowden 10/20	/2019	
scowden	N-033-09 N-033-09	Label will be added.	3		Cowden 10/20	72019	
TAKEMOTOMW	N-033-09	Revise to match physical configuration.	3		Cowden 10/20	/2019	
scowden	N-033-09	PID will be revised to match physical configuration.	3		20,20	72013	
Carlos Garcia	N-033-09	Unique - Drop Suffixes	3		Foley 10/20	/2019	
ifoley	N-033-09	Will do.	3			,	
dbpeters	N-033-09	Shown as 24" on Sheet 100	3	3	Cowden 10/20	/2019	
scowden	N-033-09	Size will be coordinated.	3	3			
Carlos Garcia	N-033-09	Use "UA"	3	3	Foley 10/20	/2019	
jfoley	N-033-09	Will do.	3	3			
dbpeters	N-033-09	Are fans sized for future EBOS connection? Will system need to be rebalanced at that time?	3		Cowden 10/20	/2019	
scowden	N-033-09	Fans will be sized for future EBOS but system will need to be rebalanced in the future.	3				
Carlos Garcia	N-034-09	Drop all "01" suffixes	3		Foley 10/20	/2019	
jfoley	N-034-09	Will do.	3	3			
TAVEN 40 TO 1 414	N 024 00	Confirm these valves are needed. Other means of isolation are available upstream and	_		0. 1	/2040	
TAKEMOTOMW	N-034-09	downstream. Valves should be provided for isolating basket strainer.	3		Cowden 10/20	/2019	
scowden	N-034-09	valves stiduld be provided for isolating basket strainer.	3	,			
TAKEMOTOMW	N-034-09	Confirm this configuration. As drawn it will allow all water to drain out of the odor control tower.	3	3	Cowden 10/20	/2019	
scowden	N-034-09	Configuration will be corrected to match physical layout.	3		10/20	,	
TAKEMOTOMW	N-034-09	2-1/2" BR?	3		Cowden 10/20	/2019	
kmaestri	N-034-09	will confirm	3		10,20		
Carlos Garcia	N-034-09	Use C1 and "START"	3		Foley 10/20	/2019	
jfoley	N-034-09	Will do.	3	3			
Carlos Garcia	N-037-09	"00" Suffix	3	3	Foley 10/20	/2019	
jfoley	N-037-09	Will add.	3	3			
Carlos Garcia	N-037-09	Are arrows reversed?	3		Foley 10/20	/2019	
kmaestri	N-037-09	will confirm	3				
Carlos Garcia	N-037-09	Not a solid arrow	3		Foley 10/20	/2019	
kmaestri	N-037-09	will fix	3				
TAKEMOTOMW	N-038-09	This line goes into the manhole on yard piping sheets.	3	3	Edwards 10/20	/2019	

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dedwards	N-038-09	Will update the P&ID to match yard piping. This line goes directly into the PS wet well on process mech and yard piping sheets (i.e. not throug	ık	3				
TAKEMOTOMW	N-038-09	a manhole first)	,11	3	Edwards	10/20/201	a	
dedwards	N-038-09	Will revise the P&ID to match Process and Yard piping.		3	Edwards	10/20/201	J	
Carlos Garcia	N-038-09	Arrows reversed?		3	Foley	10/20/201	9	
kmaestri	N-038-09	will confirm		3	,	., ., .		
TAKEMOTOMW	N-038-09	15" on process mech drawings		3	Edwards	10/20/201	9	
dedwards	N-038-09	Will update the P&ID to match Process and Yard piping drawings.		3				
Carlos Garcia	N-039-09	Alarm = "UA"		3	Foley	10/20/201	9	
jfoley	N-039-09	Will update.		3				
Carlos Garcia	N-039-09	Supervisory? Describe this please		3	Foley	10/20/201	9	
kmaestri TAKEMOTOMW	N-039-09	Consoliste		3	Falan	10/20/201	0	
Bryan Youker	N-039-09 N-039-09	Complete Agree. Will complete connector.		3	Foley	10/20/201	9	
nelsopetroni	N-040-09	Agree. Will complete connector.		3	Michaud	10/20/201	a	
ttom	N-040-09	Will correct.This is for I&C.		3	Wilchada	10/20/201	,	
ccom	11 0 10 03	SEE COMMENT ON SHEET E-601-14BLDG64 (SHEET 359) REGARDING "MMF" FOR THE MAIN						
nelsopetroni	N-040-09	BREAKERS		3	Michaud	10/20/201	9	
ttom	N-040-09	Will coordinate with I&C		3				
		IS IT APPROPRIATE TO INCLUDE IN THIS DRAWING THE STATUS OF FEEDER 86 AND THE 86B BUS						
nelsopetroni	N-040-09	DIFFERENTIAL		3	Michaud	10/20/201	9	
ttom	N-040-09	Will discuss with I&C		3				
nelsopetroni	N-040-09			3		10/20/201	9	
kmaestri	N-040-09	no comment		3				
nelsopetroni	N-040-09	MOVE "MMF" CLOSER TO BREAKER		3	Michaud	10/20/201	9	
ttom	N-040-09	Will correct. This is for I&C.		3	5.1	40/20/204	•	
Carlos Garcia kmaestri	N-040-09 N-040-09	Trip = "XA" Solve suffix conflict, maybe change to "03"? Typica will fix		3	Foley	10/20/201	9	
Carlos Garcia	N-040-09 N-060-09			3	Foley	10/20/201	0	
jfoley	N-060-09	Proper S800 topology Will update.		3	roley	10/20/201	9	
Jerry Au	N-060-09	Correct HPC PDP		3	Foley	10/20/201	9	
jfoley	N-060-09	Will update.		3	,	0,0,0	-	
Carlos Garcis	N-060-09			3		10/20/201	9	
kmaestri	N-060-09	will fix		3				
Carlos Garcis	N-060-09			3		10/20/201	9	
kmaestri	N-060-09	fill fix		3				
		 City does not want gravel areas because they are conducive to weed growth. Due to permit requirements, all drainage from HW3 facilities and new paving must be collected and routed to HW3 recycle pump station and/or additional recycle pump stations added. We will likely need cur 	·b					
dbpeters	R-001-05	and gutter and a drainage pump station on the south side of the road around EBOS and Ferric.		3	Chandler	12/6/201	9	
		Per meeting with client 10/22, ground cover in "triangle" between screens and septage receiving will be restored with grass seed. Existing ground cover around EBOS will remain. Additional pump station and storm collection will be added to pavement around EBOS and Ferric Chloride.						
Sam Chandler	R-001-05	GMP Assumption: Item addressed in QRF list. Included additional piping and pump station within EBOS facility.		2				
dbpeters	R-001-14HW3	How will flow from EBOS be shutoff while using this loop? Look at option of just flowing through EOB and EBOS instead of installing this throw-away pipe. EBOS can be isolated in 2 ways: 1) stop plate over end of 108"; 2) isolate interceptor 4, and route.	al	3	Youker	10/20/201	9	
Bryan Youker	R-001-14HW3	flow through interceptoprs 2&3 to HW 1.	aı	3				
TAKEMOTOMW	R-001-14HW3	D-100-14HW3IS show the 42" RS from the grit area connecting here. Reconcile		3	Youker	10/20/201	9	
Bryan Youker	R-001-14HW3	Yes. Will coordinate during next phase of design.		3				
TAKEMOTOMW	R-002-05	Handrail is likely needed here.		3	Scoggins	10/20/201	9	
Iscoggin	R-002-05	Agree. Will review railing extents.		3		-, -,		
TAKEMOTOMW	R-002-05	No handrail needed here.		3	Scoggins	10/20/201	9	
Iscoggin	R-002-05	Will review railing extents		3				
DG	R-002-05	Is there enough room for crane access? What crane was assumed used for lifting equipment?		3	Youker	10/20/201	9	
		Yes, enough room for crane. Concrete deck over channels designed to support City's vehicles per						
Bryan Youker	R-002-05	information provided.		3				
TAKEMOTOMW	R-002-05	Consider bollards to protect piping from traffic.		3	Scoggins	10/20/201	9	
Iscoggin	R-002-05	Noted. Will discuss with Civil		3				
TAKEMOTOMW	R-002-05	Can this FA duct be lowered? Seems higher than necessary since there is limited/no access from this side. Large vertical supports will be required, which are not currently shown.		3	Cowden	10/20/201	9	

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	0.002.05	Duct elevation will be reviewed and duct lowered if possible and depending on access		2				
owden	R-002-05	requirements.		3	Ci	10/20/20	210	
AKEMOTOMW	R-002-05	May want to consider covering this box w/ grating.		3	Scoggins	10/20/20)19	
coggin	R-002-05	Box is intended to overflow during high flow conditions. Grating not desired		3	section 1	40/20/20	240	
AKEMOTOMW	R-003-05 R-003-05	Consider relocating box/panel to improve O&M access between the screenings washers.		3	Michaud	10/20/20)19	
om	R-003-05	Will coordinate with process/mechanical Is the height/dimensions of the building adequate to accommodate a washer system later on?		3	Youker	12/6/20	210	
G	n-005-05	Yes, height is adequate. Can raise the sluice system additional X feet to ensure washer can be		3	roukei	12/0/20	J19	
		added later. Other options exist to improving washing. Per 10/22 meeting City wants this raised so their equipment can get under it. Jacobs to go look at the piece of equipment on site to confirm it will fit under the canopy or how high it needs to be raise.						
ryan Youker	R-003-05	GMP Cost Assumption: Include increase in height. Assume height similar to existing HW canopies.		3				\$ 32,00
bpeters	R-004-05	Is this box blocking dumpster opening?		3	Michaud	10/20/20	019	
om	R-004-05	These may be modified in 90%.		3				
1Britten	R-004-05			3		10/20/20	019	
maestri	R-004-05	no comment		3				
peters	R-004-05	Not sure what these are but they look hard to access.		3	Michaud	10/20/20	019	
tom	R-004-05	Junction boxes, only needed to facilitate the pulling of conductors.		3		,,-		
		O&M concerned with what happens if compactors plug? This has been a problem at both HW1 and						
bpeters	R-004-14HW3	HW2 Where will flow go? Do we need a "wet bin" like we saw in Albuquerque?		3	Youker	12/6/20	019	
оролого Потражения и потражения и потраже		The end of sluice is equipped with a 12" diameter connection for temporary hose. Per 10/22 meeting City wants a permanent connection and permanent 3rd dumpster.				,,		
ryan Youker	R-004-14HW3	GMP Assumption: This item addressed in the QRF list.		3				
bpeters	R-004-14HW3	How will O&M access top of screens and sluice?		3	Youker	12/6/20	110	
upeters	N-004-14HW3	Access sluice and top of screen with temproary/portable access (push stairs, Genie, etc). Per 10/22		3	Toukei	12/0/20)19	
		meeting City wants platform						
ryan Youker	R-004-14HW3	GMP Assumption: This item addressed in the QRF list.		3				
bpeters	R-005-05	Will this pipe be in the asphalt?		3	Youker	10/20/20	019	
		Currently yes. However, we can include concrete pad around FA and WTR3 that feeds sluice. We						
ryan Youker	R-005-05	would also include bollards.		3				
		Is this single odor control collection pipe sufficient for the entire screenings facility? Are we						
bpeters	R-005-14HW3	drawing intake air into the bar screen covers?		3	Cowden	10/20/20	019	
		The single odor control duct is considered sufficient since screening facility will be contained and air						
		will be drawn in from ends where gates are located and at the screenings enclosure due to leaks.						
cowden	R-005-14HW3	This will prevent "dead zones" and ensure good scavenging.		3				
bpeters	R-005-14HW3	Will flow favor center screen?		3	Youker	10/20/20	019	
		Per recent CFD modeling, flow favors center screen slightly when 2 screens in service, and one of						
		them being center screen. Normally, there will be 2 screens operating. Those 2 screens could be						
ryan Youker	R-005-14HW3	1&3, then flow split is even. Still planning to add short 2ft-diameter column to break up flow.		3				
		Consider over flow pipe and outlet box - wier? spring-loaded valve operator operating on loss of						
1Britten	R-006-05	power?		3	Crook	10/20/20	019	
		The pump baseplate is sealed in its mounting arrangement. No catastrophic spill is possible as						
rook	R-006-05	currently designed.		3				
AKEMOTOMW	R-007-05	Confirm plan for resolving duct bank conflict shown.		3	Michaud	10/20/20	019	
		Many of these are existing duct banks and may be modified to accommodate pipe. Will be						
om	R-007-05	coordinated for 90%		3				
AKEMOTOMW	R-007-05	Confirm plan for resolving duct bank conflict shown.		3	Michaud	10/20/20	019	
		Aware of this issue and duct banks in that area will need to be cut up to nearest manhole and						
om	R-007-05	rerouted to accommodate pipe crossing.		3				
AKEMOTOMW	R-007-05	Confirm plan for resolving duct bank conflict shown.		3	Michaud	10/20/20	019	
		Duct banks are existing and actual depth is currently unknown, they are place holders for now and						
om	R-007-05	will be coordinated when more information is gathered.		3				
		There will be a lot of H2S released at this location, which seem to be in a dead zone for FA flow.						
AVENAOTO	D 040 4411142	Confirm FA duct locations. Also do not see any air intake/makeup air connections in the grit effluen			Caundan	40/00/0	210	
AKEMOTOMW	R-010-14HW3	channel area.		3	Cowden	10/20/20	113	
cowden	R-010-14HW3	An intake air opening will be provided at this far end of the channel to avoid a "dead zone"		3	Vaulea	40/0/0	210	
AKEMOTOMW	R-010-14HW3	Provide access opening over grit effluent box.		3	Youker	12/6/20	113	
		Will add access.						
yan Youker	R-010-14HW3	GMP Assumption: Included additional misc access hatches or covered openings in the QRF list.		3				
bpeters	R-010-14HW3	how will O&M access top of augers and classifiers?		3	Youker	12/6/20	019	

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		Discussed on 10/22. Determined no permanent platforms are needed for this equipment.					
Bryan Youker	R-010-14HW3	GMP Assumption: Include six self-contained ladder systems. Exclude platforms and walkways.	3			\$	21,000
DG	R-012-14HW3	How do we add a tap in case BAAQMD requires carbon scrubber? Where would we locate?	3	Cowden 10/20,	/2019		
		A tee with damper and down-duct is currently provided at the biotower stack for future carbon if					
scowden	R-012-14HW3	necessary. Fans will be sized for future carbon pressure drop for ease of implementation.	3	0. 1	/2010		
dbpeters	R-012-14HW3	Need safety cage on ladder?	3	Cowden 10/20,	/2019		
ssaudan	R-012-14HW3	Safety cage is no longer mandatory. However, fall protection rail is and will be added. Per 10/22 meeting cage will be added too.	3				
scowden dbpeters	R-012-14HW3	Can we isolate the two towers in the future or need valves now?	3	Cowden 10/20,	/2010		
scowden	R-012-14HW3	A blind flange can be added now and a damper can be added in the future for isolation	3	Cowden 10/20/	72019		
dbpeters	R-013-14HW3	Should we just close off this wall to prevent basement from flooding?	3	Pieterick 10/20,	/2019		
		I don't think I can. The top of stair is within the 75ft "Common Path of Travel" but if we wall the top	•	25, 25,	,====		
		landing off the path has to extend to the bottom of the other stair and that is farther than the 75ft					
epieteri	R-013-14HW3	allowed.	3				
MBritten	S-110-1A		3	Scoggins 10/20,	/2019		
Iscoggin	S-110-1A	Agree	3				
TAKEMOTOMW	S-110-1A	Label.	3	Scoggins 10/20,	/2019		
Iscoggin	S-110-1A	Wall	3				
TAKEMOTOMW	S-110-2D	Coating requirements?	3	Scoggins 12/6,	/2019		
		Will assess for conditions					
		GMP Assumption: Include scope change. Must select products that do not impact tempoary					
Iscoggin	S-110-2D	pumping, requires fast cure time.	3		100.0	\$	68,000
TAKEMOTOMW	S-110-2D	Coating requirements?	3	Scoggins 10/20,	/2019		
lscoggin DG	S-110-2D S-110-14A	Will coordinate with corrosion control team. Is this wall to increase velocities? Seems ineffective.	3	Youker 10/20,	/2010		
DG	5-11U-14A	Yes. Per several workshop discussions, and per PER/Indicative Design, wall was included to	3	Youker 10/20,	/2019		
Bryan Youker	S-110-14A	increase velocity and reduce grit settlement.	3				
dbpeters	S-110-14A S-110-14A	Also, if HW2 is off-line, the wall will cause settlement in the area north of the wall.	3	Youker 12/6,	/2019		
		Per recent CFD modeling results, the water velocity is very low in front of HW2 pipe when HW2 pipe is offline. However, there is very little grit that actually travels west toward the pipe — most travels to HW3 pipe.		24,0			
Bryan Youker	S-110-14A	GMP Assumption: Assume no scope change.	3				
DG	S-110-14A	Address removing grit settling in the EBOS (temp or permanent) - discuss with City	3	Youker 12/6,	/2019		
		Grit can be removed with vactor truck. Grit can be dumped dumped on new vactor truck receiving station, or into EOB.					
Bryan Youker	S-110-14A	GMP Assumption: Include EBOS changes per City sketch.	3				
TAKEMOTOMW	S-110-14A	Is this wall needed?	3	Youker 12/6,	/2019		
		Per recent CFD modeling, it appears the wall does more harm than good. We are currently evaluating a baffle wall that is located 180-deg from this location (between Interceptor 4 and future interceptor). A baffle in this location may prevent buildup near the Return Pump's discharge.					
Bryan Youker	S-110-14A	GMP Assumption: Include EBOS changes per City sketch.	3				
		Will transformers limit access to doorway? Can they be pushed north? Do we need removable					
dbpeters	S-110-14BLDG64	handrail to facilitate moving electrical equipment in and out of building?	3	Pieterick 12/6,	/2019		
		The intent is to have the big equipment lifted off the platform. The door swings out so the door leaf will present some obstacle to rolling the equipment north or south. We will look into moving the X-FMRS North to increase space on south side of platform to pick transformers. Railing doesn't have to be removable but we will review this plant staff at our next meeting?					
epieteri	S-110-14BLDG64	GMP Assumption: Assume relocation but no scope change.	3				
DG	S-110-140D0	are pipes encased?	3	Cowden 10/20,	/2019		
scowden	S-110-140DO	This piping is above gradenot encased.	3				
		What will this box look like when 100-mgd of sewage comes roaring through it? What was the					
	S-112-14B	design criteria for sizing it?	3	Chandler 10/20,	/2019		
dbpeters							
Sam Chandler	S-112-14B	Will evaluate at 90%	3	Cl II.	/2040		
Sam Chandler DG	S-112-14B S-112-14B	show as new pipe	3	Chandler 10/20,	/2019		
Sam Chandler	S-112-14B			Chandler 10/20,	/2019		

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scoggin	S-121-14HW3GB	Will review		3				
MBritten	S-301-14HW3PS	How is this are accessed for cleaning/re-coating in the future?		3	Crook	10/20/2019	9	
		There is a plate covering the front of the individual pump bay, which may be removed for access for	r					
	S-301-14HW3PS	inspection. In the event of a overhaul such as recoating, the pump would be pulled and access		3				
crook MBritten	S-301-14HW3PS S-301-14HW3PS	through the 5' diameter pump opening would allow the work to proceed.		3	Conggine	10/20/2019	n	
scoggin	S-301-14HW3PS	Apears to be conflicting with site grading plan Will update		3	Scoggins	10/20/2019	9	
TAKEMOTOMW	X-110-1A	Clarify extent of demolition at interface between the two structures.		3	Scoggins	10/20/2019	9	
scoggin	X-110-1A X-110-1A	Will add detailed information		3	Scoggins	10/20/201	,	
TAKEMOTOMW	X-110-1A X-110-1A	Confirm what is required to abandon these lines.		3	Scoggins	10/20/2019	9	
Iscoggin	X-110-1A	Will work through details as design progress		3	560555	10, 20, 201.	•	
TAKEMOTOMW	X-110-1A	Wouldn't the existing gates be useful for isolating the Pie structure if needed?		3	White	10/20/2019	9	
R White	X-110-1A	City has expressed that gates are unusable.		3				
		Can we reroute the pipes coming into the NE structure to the main portion of the structure instead						
DG	X-110-1A	of the Pie Structure?		3	White	10/20/2019	9	
		Per meeting on 10/22 Milpitas FMs will be connected outside of the Milpitas Structure and a new						
R White	X-110-1A	connection to the EBOS will be made.		3				
TAKEMOTOMW	X-110-1B	Do all of these walls need to be cut down or is cutting down 1 or 2 sufficient?		3	White	10/20/2019	9	
		All sections will need to be lowered. If only 1 or 2 are lowered, plant influent may flow to the				,		
R White	X-110-1B	Junction Box at peak flows.		3				
TAKEMOTOMW	X-110-1P	Unclear if this existing or part of this project.		3	White	10/20/2019	9	
R White	X-110-1P	Will clarify.		3				
DG	X-110-14A	Where are all the other influent pipes?		3	Scoggins	10/20/2019	9	
Iscoggin	X-110-14A	Not pertinent to work on this drawing		3				
DG	X-110-14A	Call out EBOS compartment names		3	Scoggins	10/20/2019	9	
Iscoggin	X-110-14A	Not necessary for work on this drawing		3	88	,,		
TAKEMOTOMW	X-110-14A	Confirm dimension.		3	Scoggins	10/20/2019	9	
Iscoggin	X-110-14A	Will clarify		3				
TAKEMOTOMW	X-110-14A	Confirm approximate diameter of concrete plug.		3	Scoggins	10/20/2019	9	
Iscoggin	X-110-14A	Will have to be verified during construction		3	88	,,		
TAKEMOTOMW	Y-100-07	Pipe not labeled.		3	Chandler	10/20/2019	9	
kmaestri	Y-100-07	will add		3				
TAKEMOTOMW	Y-100-07	Suggest not showing these detail callouts on this overall site drawing, typ.		3	Chandler	10/20/2019	9	
Sam Chandler	Y-100-07	Agree, detail callouts will be moved to area plans.		3				
TAKEMOTOMW	Y-101-07	Confirm connection detail on how the 36"x36" tee will connect to the existing 36" pipe		3	Chandler	10/20/2019	9	
Sam Chandler	Y-101-07	Detail to be provided at 90%		3				
TAKEMOTOMW	Y-101-07	Connect to existing 8" WTR4		3	Chandler	10/20/2019	9	
kmaestri	Y-101-07	will review.		3				
		Not clear if this SD line will still be active or not. Its not being shown as abandoned or demolished,						
TAKEMOTOMW	Y-101-07	but it currently is not shown as connected to anything on one end.		3	Chandler	10/20/2019	9	
Sam Chandler	Y-101-07	Will update to show connection to new drain pipe		3				
TAKEMOTOMW	Y-101-07	Does this SD get demolished or abandoned?		3	Chandler	10/20/2019	9	
Sam Chandler	Y-101-07	Abandoned.		3				
TAKEMOTOMW	Y-101-07	Consider adding a marker to facilitate locating the pipe in the future.		3	Chandler	10/20/2019	9	
kmaestri	Y-101-07	will consider		3				
		There seems to be a lot of background images (landscape, electrical lines, etc.) that shows up						
		brighter than required when printing out and conflicts with the new callouts. Consider further						
DG	Y-101-07	graying/shading back the background (TYPICAL TO ALL YARD PIPING DRAWINGS)		3	Chandler	10/20/2019	9	
kmaestri	Y-101-07	will review and clean up as much as possible		3				
DG	Y-101-07	Extend 84" line, or call out		3	Chandler	10/20/2019	9	
Sam Chandler	Y-101-07	Model to be updated at 90%		3				
TAKEMOTOMW	Y-101-07	Reducer is shown further downstream.		3	Chandler	10/20/2019	9	
kmaestri	Y-101-07	will coordinate		3				
TAKEMOTOMW	Y-101-07	Is this existing drain line being connected to the new 18" SD?		3	Chandler	10/20/2019	9	
Sam Chandler	Y-101-07	Yes.		3				
		Add note regarding maintaining minimum horizontal and vertical clearances between pipes (12")						
DG	Y-101-07	where not indicated		3	Chandler	10/20/2019	9	
kmaestri	Y-101-07	this is addressed in the specs but will add a note to the general drawings.		3				
DG	Y-101-07	Add note regarding purpose and route of the new WBW line		3	Chandler	10/20/2019	9	
Sam Chandler	Y-101-07	That is defined in the BODR. No change planned.		3		,		
DG	Y-101-07	Rename to "Backwash Overflow" JB; use acronym BWOF for Backwash Overflow System		3	Edwards	10/20/2019	9	
		Will revise structure name and associated piping abbreviationl Reference to drawing Y-501-07 to be	2			,		
dedwards	Y-101-07	added at 90%.		3				
TAKEMOTOMW	Y-102-07	Could not find this sheet. X-110-2D?		3	Chandler	10/20/2019	9	
		Sheet number 181 (PDF page 182) of this drawing set.		3		,,		

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TAKEMOTOMW	Y-102-07	Suggest requiring the manhole to be marked as "Abandoned" in the field. Will discuss with City how to identify abandoned manholes assuming the are to remain in the ground (per discussions about CIP requirement that nothing is "abandoned")		3	Chandler	12/6/2019	•	
Sam Chandler	Y-102-07	GMP Assumption: See QRF list for additional comments on abandoned pipes. No additional scope requirements.		3				
OG	Y-102-07	show extents of the existing concrete box		3	Chandler	10/20/2019	9	
maestri	Y-102-07	will clarify		3		,,		
AKEMOTOMW	Y-102-07	Not clear where this 8" PD is connecting to the existing pipe per the callout.		3	Chandler	10/20/2019	9	
maestri	Y-102-07	will clarify		3				
)G	Y-102-07	what pipe is this? name.		3	Chandler	10/20/2019	9	
maestri	Y-102-07	8" PD		3				
OG .	Y-102-07	add section drawing showing this connection		3	White	10/20/2019	9	
R White	Y-102-07	Will add at 90%		3				
		There does not appear to be any general language in the specifications describing what is required						
TAKEMOTOMW	Y-102-07	for "Abandoned" piping or facilities. Will add language to the demolition spec at 90% to describe abandoned item requirements.		3	Chandler	12/6/2019	9	
		GMP Assumption: See QRF list for additional comments on abandoned pipes. No additional scope						
Sam Chandler	Y-102-07	requirements.		3				
DG	Y-102-07	"EXST 84" RS PIPE SECTION" to be		3	Chandler	10/20/2019	9	
maestri	Y-102-07	will add Not clear what the new 84" RS pipe segment is connecting to. Exst 96" RS on one side but no		3				
TAKEMOTOMW	Y-102-07	connection shown on the other.		3	Chandler	10/20/2019	9	
iam Chandler	Y-102-07	Will add vault at 90%. Facility drawing contains details of connection.		3				
AKEMOTOMW	Y-102-07	Should these notes be on CX-102-05 instead?		3	Chandler	10/20/2019	9	
am Chandler	Y-102-07	Yes.		3				
OG	Y-102-07			3		10/20/2019	9	
maestri	Y-102-07	no response		3				
		why are we calling out the Diesel Tanks? Suggest turning on names for all the buildings instead of						
DG	Y-102-07	random ones and shade back the names as required.		3	Chandler	10/20/2019	9	
kmaestri	Y-102-07	will review and clean up.		3				
		Its not clear what portion of the existing 12" SD is being demolished or abandoned. No work on the						
TAKEMOTOMW	Y-103-07	existing 12" SD is shown on CX-103-05.		3	Chandler	10/20/2019	9	
Sam Chandler	Y-103-07	Will update CX-103-05 with demo limits of storm pipe and catch basins.		3	Ch II	10/20/2019		
OG Sam Chandler	Y-103-07 Y-103-07	Critical crossing, suggest showing an enlarged plan on a different page Additional details to be added at 90%		3	Chandler	10/20/2019	,	
Salli Cilaliulei	1-103-07	Are the two curb inlet CBs replacing existing CBs? If so, indicate the existing CBs to be demolished.		3				
TAKEMOTOMW	Y-103-07	None are shown on CX-10305.		3	Chandler	10/20/2019	2	
Sam Chandler	Y-103-07	Will update CX-103-05 with demo limits of storm pipe and catch basins.		3	Chandler	10/20/2013	,	
OG	Y-103-07	Show existing Santa Clara line and new tie-off point		3	Chandler	10/20/2019	9	
maestri	Y-103-07	will coordinate		3		,,		
AKEMOTOMW	Y-103-07	Existing 48" FM on this side not shown.		3	Chandler	10/20/2019	9	
kmaestri	Y-103-07	will review and correct		3				
TAKEMOTOMW	Y-103-07	6" RW does not appear to connect to anything on this side		3	Chandler	10/20/2019)	
maestri	Y-103-07	will correct		3				
AKEMOTOMW	Y-103-07	Provide detail for buried valve installation.		3	White	12/6/2019)	
		Per meeting on 10/22 valves are being removed from design.						
R White	Y-103-07	GMP Assumption: This pipeline deleted from scope.		3				
		Check weight of this structure and potential for differential settlement, dragging down existing						
//Britten	Y-103-07	utilities below.		3	Davis	10/20/2019	9	
odavis1	Y-103-07	will check for settlement of structure/utilities		3	- · · ·			
OG	Y-103-07	what are these? Doesn't correspond to what is shown on drawing (TYP)		3	Chandler	10/20/2019)	
maestri	Y-103-07	Paving limits for asphalt restoration at 96" RS crossing. Will remove at 90%		3	Chandler	10/20/2011		
TAKEMOTOMW	Y-104-07	no comment		3	Chandler	10/20/2019	,	
maestri AKEMOTOMW	Y-104-07 Y-104-07	no comment Indicate to what extent, if any, the existing 66" RS will need to be removed.		3	Chandler	10/20/2019	1	
ANEIVIOTOIVIV	1-104-07	66" RS will be removed inside new manhole after manhole is sealed to pipe on the east side. 66" RS			Chantile	10/20/2019		
	V 104 07	will be removed to 5' outside of the west side of new manhole. Demo limits for 66" pipe will be		2				
maestri	Y-104-07	added to 90% drawings.		3				
G	Y-104-07	I'm not sure we can demo perfectly functional sunk infrastructure carrying influent from a tributary agency without adequate justification. This needs further discussion.		3	White	10/20/2019)	
		Per meeting on 10/22 Milpitas FMs will be connected outside of the Milpitas Structure and a new						
White	Y-104-07	connection to the EBOS will be made.		3				
				_				

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TAKEMOTOMW	Y-104-07	G-080-01 shows the South Milpitas FM being re-routed to the Pie structure. This sheet shows the South Milpitas FM being abandoned without any re-routing. Please clarify. Per meeting on 10/22 Milpitas FMs will be connected outside of the Milpitas Structure and a new	2	White	10/20/2019		
R White	Y-104-07	connection to the EBOS will be made	3				
G	Y-105-07	call out mitered elbow dimensions	3	Chandler	10/20/2019		
am Chandler	Y-105-07	Fittings are per ASTM requirements and represent steel pipe "bends" not mitered fittings.	3				
AKEMOTOMW	Y-105-07	Add detail for buried valve.	3	Chandler	10/20/2019		
maestri	Y-105-07	ok	3	Cl II	40/20/2040		
OG :maestri	Y-105-07 Y-105-07	Add gate operator detail (typ) will consider	3	Chandler	10/20/2019		
OG	Y-105-07 Y-105-07	close bounding box	3	Chandler	10/20/2019		
maestri	Y-105-07	ok	3	Chandler	10/20/2019		
AKEMOTOMW	Y-106-07		3	Chandler	10/20/2019		
maestri	Y-106-07	no comment	3		, , ,		
OG	Y-106-07	Plan tap into RW line in case of 3W outage. Discuss with City	3	Chandler	10/20/2019		
		WTR3 piping loop at HW3 should be labeled RW/WTR3. Connection to RW system provided west of					
am Chandler	Y-106-07	Grit Basins.	3				
AKEMOTOMW	Y-106-07	Not sure what this line is?	3	Chandler	10/20/2019		
maestri AKEMOTOMW	Y-106-07 Y-106-07	Leftover linework from old facility configuration, will remove on 90% drawings.	3	Chandles	10/20/2010		
		Grit cleanout would likely be better located in line with the long 16" GR/OF pipe run.	3	Chandler	10/20/2019		
kmaestri	Y-106-07	Additional cleanouts will be provided at upstream bends at 90% Not clear what is being shown in the odor control area. Is there a canopy? If so that is not shown	3				
TAKEMOTOMW	Y-106-07	on the odor control sheets.	3	Chandler	10/20/2019		
Sam Chandler	Y-106-07	No canopy. Linework will be updated to reflect current configuration of equipment.	3	Chanaici	10, 20, 2013		
		This drawing is very congested. Add new drawing showing water system for HW3, flow and pressure requirements, connection extents/taps and locations, and uses for each water system Also show existing and new water pipe materials and insert the demands table previously provided					
OG	Y-106-07	to Jacobs as design criteria for fire dept review. This is a yard piping drawing and is not where a design requirement like this would be shown.	3	Chandler	10/20/2019		
Sam Chandler	Y-106-07	Additional discussion required to confirm what is required to be shown.	3				
TAKEMOTOMW	Y-106-07	Not sure what this line is for.	3	Chandler	10/20/2019		
kmaestri	Y-106-07	will confirm	3				
TAKEMOTOMW	Y-106-07	Label pipe and hydrant.	3	Chandler	10/20/2019		
kmaestri	Y-106-07	will add	3	a l "	/ /		
TAKEMOTOMW	Y-106-07	Indicate fluid service 12" RW.	3	Chandler	10/20/2019		
rakemotomw	Y-106-07 Y-106-07	ok Not clear what this short pipe segment is.	3	Chandler	10/20/2019		
Sam Chandler	Y-106-07	Piping connections to be completed at 90%.	3	Chandlei	10/20/2019		
DG	Y-106-07	Is 1W used for the pump flushing? Is pressure adequate in the 1W lines? 1W can be used for flushing water for seals if 50 PSI available. Current design uses RW/WTR3 for	3	Chandler	10/20/2019		
kmaestri	Y-106-07	flushing.	3				
TAKEMOTOMW	Y-106-07	Not sure why fittings on this pipe are called out on this sheet, bu tnot on other sheets	3	Chandler	10/20/2019		
iam Chandler	Y-106-07	Fittings and valves will be added to coordinate tables on all yard piping drawings.	3	Chanaici	10, 20, 2013		
TAKEMOTOMW	Y-106-07	Is the cleanout intended to be on the 12" RW/WTR line?	3	Chandler	10/20/2019		
Sam Chandler	Y-106-07	No, label will be moved to cleanout on 16" GR/OF pipe.	3				
TAKEMOTOMW	Y-106-07	2" WTR4?	3	Chandler	10/20/2019		
am Chandler	Y-106-07	No, it should be shown connecting to RW/WTR3/ piping.	3				
AKEMOTOMW	Y-106-07	12" RW/WTR3	3	Chandler	10/20/2019		
maestri	Y-106-07	will call out	3				
AKEMOTOMW	Y-106-07	Consider a cleanout here.	3	Chandler	10/20/2019		
kmaestri	Y-106-07	will consider Change naming convention of water system to match FWWS Project. Should be 1W, 2W, 3W and	3				
og	Y-106-07	4W.	3	Chandler	10/20/2019		
Sam Chandler	Y-106-07 Y-106-07	Will update labels at 90%.	3	Chanaici	10/20/2013		
)G	Y-106-07	Add BFPs to 1W and 4W	3	Chandler	10/20/2019		
iam Chandler	Y-106-07	1W BFP will coordinated with facility plumbing. 4W is fire hydrant water and does not require additional BFPs.	3				
TAKEMOTOMW	Y-106-07	12"? SD	3	Chandler	10/20/2019		
maestri	Y-106-07	will confirm	3		-5/20/2013		
AKEMOTOMW	Y-106-07	12" RW/WTR3	3	Chandler	10/20/2019		
maestri	Y-106-07	will add	3		., ., .		
AKEMOTOMW	Y-106-07	Are there two gate valves here? Is a valve necessary given there is one on the downstream side of the backflow assembly?	3	Chandler	10/20/2019		
Sam Chandler	Y-106-07	No, leader should be point to valves either side of the backflow preventer	3		., ., .,		
TAKEMOTOMW	Y-106-07	12" RW/WTR3	3	Chandler	10/20/2019		

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kmaestri TAKEMOTOMW	Y-106-07 Y-106-07	will add 1-1/2" RW/WTR3		3	Chandler	10/20/20	10	
kmaestri	Y-106-07 Y-106-07	will call out		3	Chandler	10/20/20	19	
TAKEMOTOMW	Y-106-07	Indicate fluid service 16" RW.		3	Chandler	10/20/20	19	
kmaestri	Y-106-07	ok		3	Chanaici	10/20/20	1,5	
TAKEMOTOMW	Y-106-07	D-100-14WS3IS shows the 42 "RS connecting next to the 108" RS		3	Chandler	10/20/20	19	
kmaestri	Y-106-07	will coordinate		3				
		Confirm the valves on the 12" RW connection and backflow preventer are tagged and included in						
TAKEMOTOMW	Y-106-07	the valve schedule		3	Chandler	10/20/20	19	
kmaestri	Y-106-07	12" WTR3/RW and 12" WTR3 valves not included in valve schedule. Will add to schedule for 90%.		3				
TAKEMOTOMW	Y-107-07	Confirm installation meets separation requirements between potable and RW pipelines.		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will do		3				
TAKEMOTOMW	Y-107-07	Arrow leaders not at correct location.		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will fix		3				
		Confirm no flexible joint is required here similar to other large diameter pipe connections at						
TAKEMOTOMW	Y-107-07	structures.		3	Chandler	10/20/20	19	
Sam Chandler	Y-107-07	Confirmed.		3				
TAKEMOTOMW	Y-107-07	12" D?		3	Chandler	10/20/20	19	
Sam Chandler	Y-107-07	12" SP, will add label		3				
TAKEMOTOMW	Y-107-07	Label		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will do		3				
TAKEMOTOMW	Y-107-07	Label		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will do		3				
TAKEMOTOMW	Y-107-07	Key note seems misplaced.		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will review		3	Ch II	40/20/20	40	
TAKEMOTOMW	Y-107-07	Existing? New?		3	Chandler	10/20/20	19	
Sam Chandler TAKEMOTOMW	Y-107-07 Y-107-07	Label to be deleted, F/H now located adjacent to Vactor Truck Facility		3	Chandler	10/20/20	10	
kmaestri	Y-107-07 Y-107-07	Lineweight error? will fix		3	Chandler	10/20/20	19	
TAKEMOTOMW	Y-107-07	Connection details?		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will add in 90%		3	Citationer	10/20/20	13	
TAKEMOTOMW	Y-107-07	3/4" FC. Length of pipe does not match D-110-14A.		3	Chandler	10/20/20	19	
kmaestri	Y-107-07	will coordinate		3		,,		
TAKEMOTOMW	Y-111-07	Confirm demolition of this portion of pipe is needed.		3	White	10/20/20	19	
R White	Y-111-07	Will update.		3		., ., .		
dbpeters	Y-111-07	Relabel as North Meter Vault		3	White	10/20/20	19	
R White	Y-111-07	Will do.		3				
dbpeters	Y-111-07	Relabel as South Meter Vault		3	White	10/20/20	19	
R White	Y-111-07	Will do.		3				
TAKEMOTOMW	Y-111-07	Confirm leader is point to the right location.		3	White	10/20/20	19	
R White	Y-111-07	Will correct.		3				
TAKEMOTOMW	Y-111-07	Correct hatch to clarify pipe flange should not be demolished.		3	White	10/20/20	19	
R White	Y-111-07	Will correct.		3				
DG	Y-112-07	Add a sheet note regarding the different nomenclature for the same vaults		3	White	10/20/20	19	
R White	Y-112-07	Will update nomenclature to North/South Meter Vaults		3				
TAKEMOTOMW	Y-112-07	Flange on this side is existing.		3	White	10/20/20	19	
R White	Y-112-07	New flange is needed to add butterfly valve.		3	\A/b:t-	10/00/00	10	
TAKEMOTOMW	Y-112-07	Are these the existing spool pieces and FCAs that are being reused?		3	White	10/20/20	19	
R White DG	Y-112-07 Y-112-07	Will add note to reuse if in good condition.		3	White	10/20/20	10	
DG	1-112-0/	Is there enough room here to install a valve and meet straight run requirements? No straight pipe length is needed on downstream. Dimension will be specified so that valve does		3	wille	10/20/20	1.7	
R White	Y-112-07	not protrude into pipe of detector.		3				
dbpeters	Y-112-07	West MV should be called North MV East MW should be called South MV Change Sheet title too		3	White	10/20/20	19	
R White	Y-112-07	Will update.		3		10,20,20		
DG	Y-301-07	call out elevations (typ)		3	Chandler	10/20/20	19	
kmaestri	Y-301-07	Not standard to call out elevations of pipe crossings on profiles - see 2005 project drawing set		3		,,20		
TAKEMOTOMW	Y-301-07	?		3	Chandler	10/20/20	19	
kmaestri	Y-301-07	no comment		3				
TAKEMOTOMW	Y-301-07	Detail?		3	Chandler	10/20/20	19	
kmaestri	Y-301-07	will address in 90%		3				
TAKEMOTOMW	Y-301-07	?		3	Chandler	10/20/20	19	
kmaestri	Y-301-07	no comment		3				
TAKEMOTOMW	Y-301-07	Resolve apparent conflict.		3	Chandler	10/20/20	19	
kmaestri	Y-301-07	will resolve		3				

Author (in gray rov Responder (in whi	ite							Direct (Appropira addressed	te markup in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows)	Commenter	Category	Assigned Responder		Backchecked	Model by	company)
AKEMOTOMW	Y-301-07	?		3	Chandler	10/20/201	9		
maestri	Y-301-07	no comment		3					
	V 202 07	Why are the pipes sized bigger than those at HW2 for more or less the same amount of flow? Can		2	W. L.	40/20/204	•		
OG	Y-302-07	these pipe sizes be optimized?		3	Youker	10/20/201	9		
		1) Flows to HW3 could be as large as 260 MGD. Flow to HW2 was designed for 160 MGD with 2 trains operating. So flow to HW3 is much larger than HW2. 2) EBOS to Screen: 108" has been optimized and is smaller than pipe to HW2, even with larger flows. 3) Screen to Raw Sewage PS: 120" was evaluated but we were concerned with flow entering into wetwell at higher velocity 120' is same size feeding HW2, at higher potential flow. Pipes to HW2 are 120-inch. These are sized	п						
Bryan Youker	Y-302-07	smaller.		3					
DG	Y-303-07	Indicate SC pipe in title		3	Chandler	10/20/201	9		
kmaestri	Y-303-07	ok		3	Chanaici	10/20/201	,		
DG	Y-303-07	Call out pipe		3	Chandler	10/20/201	9		
kmaestri	Y-303-07	Ok		3	Chanaici	10/20/201	,		
Milaestii	1-303-07	Appears encasement on top of 11x11, add general note specifying minimum distance between the		3					
DG	Y-303-07	two structures.		3	Chandler	10/20/201	۵		
kmaestri	Y-303-07	ok		3	Cilanulei	10/20/201	3		
TAKEMOTOMW	Y-303-07	Resolve apparent confict.		3	Chandler	10/20/201	n		
kmaestri	Y-303-07 Y-303-07	ok		3	Citatiuici	10/20/201			
TAKEMOTOMW	Y-303-07 Y-303-07			3	Chandler	10/20/201	n		
		Resolve apparent conlfict.			Chandler	10/20/201	9		
kmaestri	Y-303-07	ok		3					
20	v 202 07	Is 84" RS Pipe shown in right location, doesnt look right compared to Sheet 99. Call out overflow		_	Charalle a	40/20/204	•		
DG	Y-303-07	weir WSELs, pipe invert WSELs		3	Chandler	10/20/201	9		
Sam Chandler	Y-303-07	Reference to drawing Y-501-07 will be added. WSELs can be added to that drawing		3					
DG	Y-303-07	Also refer Y-501-07		3	Chandler	10/20/201	9		
kmaestri	Y-303-07	will confirm and correct		3					
DG	Y-303-07	call out invert. also, why is pipe oval?		3	Chandler	10/20/201	9		
		Separation will be noted on 90% drawings. Pipe is oval because the two pipes don't cross at 90							
kmaestri	Y-303-07	degrees.		3					
DG	Y-304-07	PD Pipe, not just storm?		3	Chandler	10/20/201	9		
Sam Chandler	Y-304-07	Correct, will update to include PD.		3					
TAKEMOTOMW	Y-304-07	Resolve apparent conflict.		3	Chandler	10/20/201	9		
kmaestri	Y-304-07	ok		3					
DG	Y-304-07	not called out on plan sheet		3	Chandler	10/20/201	9		
kmaestri	Y-304-07	will coordinate		3					
TAKEMOTOMW	Y-304-07	Resolve apparent conflict.		3	Chandler	10/20/201	9		
kmaestri	Y-304-07	ok		3					
TAKEMOTOMW	Y-304-07	Resolve apparent conflict.		3	Chandler	10/20/201	9		
kmaestri	Y-304-07	ok		3					
TAKEMOTOMW	Y-501-07	How will this box be placed and connected to the existing 84" RS. Additional details needed.		3	Edwards	10/20/201	9		
dedwards	Y-501-07	The box will be cast-in-place over the 84" piping and the pipe inside the box will be cut out and removed. Further detail will be added to the design.		3					
TAKEMOTOMW	Y-501-07	Profile on Y-303-07 indicates the invert of the 84" RS is above the invert of the 48" WBW. Confirm.		3	Edwards	10/20/201	9		
dedwards	Y-501-07	Will confirm the piping invert elevations and update as required.		3					
		Is this pipe for a future EBOS connection? Ensure this is sized correctly assuming the EBOS is							
OG .	Y-502-07	enclosed.		3	Cowden	10/20/201	9		
scowden	Y-502-07	Yesthis is for a future EBOS connection. It has been appropriately sized.		3					
TAKEMOTOMW	Y-502-07	Consider replacing with a tee to facilitate cleaning.		3	Cowden	10/20/201	9		
scowden	Y-502-07	A cleanout tee will be provided.		3					
TAKEMOTOMW	Y-502-07	Consider replacing with a tee and eliminating the clean out just down stream.		3	Cowden	10/20/201	9		
cowden	Y-502-07	A cleanout tee will be provided.		3					
TAKEMOTOMW	Y-502-07	Fluid on this side is just RW.		3	Chandler	10/20/201	9		
maestri	Y-502-07	will resolve		3					
		Call out as connection for future EBOS so it can be identified when needed. Will it be marked							
lbpeters	Y-502-07	somehow to make finding it easier in the future? Will explore this at 90%.		3	Chandler	12/6/201	9		
Sam Chandler	Y-502-07	GMP Assumption: Include additional valve for future connection.		3				\$	5,00
									_
Volume 5									
TAKEMOTOMW	3123-916	Geotech report indicates 6" min and does not list a smaller depth for appurtenance piping		3	Michaud	10/20/201	9		
odavis1	3123-916	will coordinate with geotech design report to be consistent with detail		3					
		City questions why the standard details not part of the drawings (General sheets) for easy							
OG	Cover	reference?		3	Maestri	10/20/201	9		

Author (in gray ro						Direct Costs (Appropirate markups addressed in the Cost
rows)	Page Label	Comments (in gray rows) Responses (in white rows) Commente	r Category	Assigned Responder	Date Answered Backche	cked Model by company)
		This is our standard delivery approach, which was accepted on Cogen and is being used here. If this is not acceptable then we will need to add some additional \$\$ to the GMP to change our design				
kmaestri	Cover	approach.	3			
Design Criteria						
DG		1 /Jacobs	3	Maestri	10/20/2019	
KandiMaestri		1 acknowledged	3			
		This is the only written document after the PDR, change subject line to be more descriptive				
DG		1 "Memorandum describing Summary of Design Changes since the 30% Design Submittal"	3	Maestri	10/20/2019	
KandiMaestri		1 acknowledged	3			
DG		1 Address to Kapil Verma, City of San Jose	3	Maestri	10/20/2019	
KandiMaestri		1 acknowledged.	3			
DG		1 /Jacobs	3	Maestri	10/20/2019	
KandiMaestri		1 acknowledged	3			
DG		2 The City has confirmed the DCU numbers to be DCU50 and DCU51.	3	Michaud	10/20/2019	
ttom		2 Will implement in 90%	3			
DG		2 Four VOIP data outlets are required.	3	Michaud	10/20/2019	
ttom		2 Will include	3			
		All information relevant to the drain reroutes have been provided to Jacobs. Darren Edwards to				
DG		3 perform field inspection when on site 9/25 and 9/26.	3	Edwards	10/20/2019	
dedwards		3 Required remaining data was verified by D. Edwards during Sept. site visit.	3			
		a 42" RS pipe is inadequate to recirculate 105MGD stated during one of the testing and				
DG		3 commissioning meetings, please verify sizing.	3	Youker	10/20/2019	
		Per 10/22 meeting this pipe is not needed by O&M. Jacobs to determine flow needed for startup				
Bryan Youker		3 and commissioning and develop the most cost effective approach to providing this loop.	3			
		What would be a potential future use of the pipe other than for flow diversion for relief? Is it				
DG		3 possible to install a temporary piping system for recirculation?	3	Youker	10/20/2019	
		No known purpose. Potential to route large pipe on top of berm during testing. But it would block				
Bryan Youker		3 access. Will discuss internally.	3			
		The magmeters, FCVs, drain pumps and sump pumps should be in alignment with the Automation				
DG		3 Guidelines and be monitored by the DCU.	3	Foley	10/20/2019	
		This was discussed on 10/22 and it was confirmed they do not need to be brought in line with the				
		automation guidelines if equipment is being replaced in kind or functionality is not changing. No				
KandiMaestri		3 change in scope.	3			
		Various options to eliminate foreign sources of power for HW2 are being discussed internally.				
DG		3 Design direction will be given to Jacobs prior to 10/9.	3	Michaud	10/20/2019	
KandiMaestri		3 Work is not to be included in this project per email from Dilip on 10/18/2019.	3			
		Do we know what additional SOPs would help eliminate the valves? Please list here, City will				
DG		4 consider.	3	Youker	10/20/2019	
		These valves would not be need to treat 396 mgd. Other flow management strategies store				
		water in collection, divert to EOB, improve collection system by bringing in Interceptor 1 to EBOS at				
Bryan Youker		4 spare pipe location, etc.	3			
DG		4 Quantify the "extremely high flow conditions" in mgd.	3	Youker	10/20/2019	
Bryan Youker		4 Described in subsequent sentences.	3			
		A decision to remove this VE item needs to take into consideration the performance criteria				
		required by the City. If the City is not worried about a large error range at the HW, it might make				
		sense to go with the VE recommendations. Can Jacobs provide the cost savings for the removal of				
DG		4 the magmeters and spool pieces? Needs further discussion @ review meeting in October.	3	Foley	10/20/2019	
KandiMaestri		4 Per 10/22 the removal of these meters is not being considered at this time.	3	Youker		
	Attachment E: WTR3 Loop	See comment on drawings where the City has requested separate drawing showing the water				
DG	with RW Tie-in	system loop and design criteria	3		10/20/2019	
	Attachment E: WTR3 Loop					
RW057495	with RW Tie-in	Noted	3			

Jacobs:

Information in the Status column and Comments column that are dated post 12/6/2019 were provided by the City on 2/12/2020. Jacobs did not include analysis of these comments nor did Jacobs include cost adjustments for these items, within the GMP offer letter dated 12/6/2019 and later accepted by the City.

These comments will be reviewed and adjudicated as the project advances from 60% Design to 90% Design.

Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Cloud Callout	G-002-01		DG	10/11/2019 14:30	Where are grading plans 1,2 and 4?	Chandler
Re: Cloud Callout	G-002-01		Sam Chandler	10/18/2019 8:38	Grading plans 1, 2, and 4 are not used.	
Re: Re: Cloud Callout	G-002-01		DG	2/12/2020 12:00	Are you renumbering drawings?	
		Accepted set by jwillia4 on				
Cloud Callout	G-004-01	10/14/2019 at 11:14:04 AM	DG	10/11/2019 14:30	Move General Notes to the top right, follow City CAD format (TYP)	Williamson
Re: Cloud Callout	G-004-01		KandiMaestri	10/17/2019 14:22	ok	
		Accepted set by				
		TAKEMOTOMW on				
Cloud Callout	G-010-01	11/29/2019 at 9:07:44 AM	TAKEMOTOMW	10/11/2019 14:31	. Complete callout boxes and adjust location within text.	Chandler
Re: Cloud Callout	G-010-01		Sam Chandler	10/18/2019 8:38	·	
				· · ·	I thought GIS only provided approximate pipe location elevations, not topo	
Cloud Callout	G-010-01		DG	10/11/2019 14:31		Chandler
Jiouu GuiiGut	0 010 01			10, 11, 2013 1 1101	Will update to reflect that existing grade is based on City supplied grading	on and a
Re: Cloud Callout	G-010-01		Sam Chandler	10/29/2019 15:01	information compiled for previous projects.	
Re: Re: Cloud Callout	G-010-01		DG		and information from the subsurface utility investigations	
te. He. cloud canout	0 010 01		50	2/12/2020 12:01	Yard piping drawings show re-routing of the North Milpitas Forcemain, but	
		Accepted set by			does not show re-routing of the South Milpitas Forcemain. Suggest	
		TAKEMOTOMW on			maintaining the South Milpitas FM connection at the Milpitas Structure for	
Slaved Calland	C 000 01		TAKENAOTONAVA	10/11/2010 14:24	·	\A/I=!+=
Cloud Callout	G-080-01	11/29/2019 at 7:09:22 PM	TAKEMOTOMW	10/11/2019 14:34	operational flexibility. Confirm. Per meeting on 10/22 Milpitas FMs will be connected outside of the Milpitas	White
Day Classed Callasse	C 000 01		D 14/b:+-	11/26/2010 0:00	Structure and a new connection to the EBOS will be made.	
Re: Cloud Callout	G-080-01		R White	11/26/2019 8:06	Structure and a new connection to the EBOS will be made.	
		Accepted set by				
		TAKEMOTOMW on			Coordinate depiction with work shown on Y-112-07, e.g. no reducers being	
Cloud Callout	G-080-01	11/29/2019 at 9:09:16 AM	TAKEMOTOMW	10/11/2019 14:35		White
Re: Cloud Callout	G-080-01		R White	10/14/2019 8:29	Will coordinate.	
		Accepted set by				
		TAKEMOTOMW on				
Cloud Callout	G-080-01	11/29/2019 at 9:16:35 AM	TAKEMOTOMW		Suggest showing abandoned pipes for consistency with the rest of this sheet.	White
Re: Cloud Callout	G-080-01		R White	10/14/2019 8:34	Will show as abandoned.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	G-081-01	11/29/2019 at 9:24:03 AM	TAKEMOTOMW		Based on Y-101-07 it appear there is another existing CB that tees in here.	Edwards
Re: Callout	G-081-01		dedwards	10/14/2019 10:16	There is another SD pipe which ties into CB61. Will add it to this diagram.	
	<u> </u>	Accepted set by				
		TAKEMOTOMW on				
Callout	G-081-01	11/29/2019 at 9:24:28 AM	TAKEMOTOMW	10/11/2019 14:37	Storm drain schematic does not match the yard piping shown on Y-106-07.	Edwards
Re: Callout	G-081-01		R White	10/28/2019 15:47	Will label 15" pipe for clarity.	
Text Box	G-090-01		MBritten	10/11/2019 14:39	Show profile of EOB	White
		Accepted set by DG on		•	•	
Re: Text Box	G-090-01	2/12/2020 at 12:42:56 PM	R White	10/14/2019 8:42	EOB is empty in these flow scenarios,.	



2/13/2020, 2:10 PM

Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on			Could not find 4D on this sheet. Suggest adding a reference to Note 2. above.	
Cloud Callout	G-090-01	11/29/2019 at 9:28:42 AM	TAKEMOTOMW) if that is applicable.	White
Re: Cloud Callout	G-090-01		R White	10/14/2019 8:55	is Will correct.	
		Accepted set by			Use the additional headless through the wet well haffle well and inlet gates	
Callout	G-090-01	TAKEMOTOMW on 11/29/2019 at 9:29:49 AM	TAKEMOTOMW	10/11/2010 14:40	Has the additional headloss through the wet well baffle wall and inlet gates openings been factored in the hydraulic profile?	White
Callout	G-090-01	11/29/2019 at 9.29.49 AW	TAKEIVIOTOIVIW	10/11/2019 14:40	Assumed losses through the baffle wall are being used. Inlet losses are	white
Re: Callout	G-090-01		R White	10/28/2019 15:55		
Group	G-090-01		MBritten	<u> </u>	Show overflow structure to EOB	White
				., ,		
Re: Text Box	G-090-01		R White	10/14/2019 8:57	Flow does not pass through the EOB, and is only used as temporary storage.	
		None set by DG on			Show max level possible at EOB and add a note on capacity (MG) and time	
Re: Text Box	G-090-01	2/12/2020 at 12:43:16 PM	DG	2/12/2020 12:40	for overflow @ peak flow (XX mgd in XX hours)	
					What use is the startup year information? Suggest only having design year	
Cloud Callout	G-110-01		DG	10/11/2019 14:41		Youker
					Startup year information is useful to see the flows anticipated when testing.	
D. Ch. I Calleri	0.440.04		D	44/25/2040 0 00	They can also be useful for estimating minimum flows. We can delete	
Re: Cloud Callout	G-110-01		Bryan Youker	11/26/2019 8:06	information if desired. Provide direction.	
					City will provide direction on the Design Criteria sheet. Since the specifications will not be updated at the end of the project, the drawing	
Re: Re: Cloud Callout	G-110-01		DG	2/12/2020 12:10	should have key flow and equipment information.	
ne. ne. cloud callout	0 110 01	Accepted set by	50	2/12/2020 12:13	,,,	
		TAKEMOTOMW on				
Cloud Callout	R-002-05	11/29/2019 at 9:30:15 AM	TAKEMOTOMW	10/11/2019 14:42	No handrail needed here.	Scoggins
Re: Cloud Callout	R-002-05		Iscoggin	10/15/2019 13:16	Will review railing extents	
		Accepted set by				
		TAKEMOTOMW on				
Cloud Callout	R-002-05	11/29/2019 at 9:30:41 AM	TAKEMOTOMW	10/11/2019 14:42	May want to consider covering this box w/ grating.	Scoggins
Re: Cloud Callout	R-002-05		Iscoggin	10/15/2019 13:16	Box is intended to overflow during high flow conditions. Grating not desired	
ner ereda edirede	002 03	Accepted set by	.55588	10/ 13/ 2013 13:10		
		TAKEMOTOMW on				
Cloud Callout	R-002-05	11/29/2019 at 9:30:46 AM	TAKEMOTOMW	10/11/2019 14:43	Handrail is likely needed here.	Scoggins
Re: Cloud Callout	R-002-05		Iscoggin	10/15/2019 13:17	Agree. Will review railing extents.	
		Accepted set by			Can this FA duct be lowered? Seems higher than necessary since there is	
		TAKEMOTOMW on			limited/no access from this side. Large vertical supports will be required,	
Callout	R-002-05	11/29/2019 at 9:31:08 AM	TAKEMOTOMW	10/11/2019 14:43	which are not currently shown. Duct elevation will be reviewed and duct lowered if possible and depending	Cowden
Re: Callout	R-002-05		scowden	10/23/2019 15:14	on access requirements.	
		Accepted set by				
		TAKEMOTOMW on				
Cloud Callout	R-002-05	11/29/2019 at 9:31:48 AM	TAKEMOTOMW		Consider bollards to protect piping from traffic.	Scoggins
Re: Cloud Callout	R-002-05		Iscoggin	10/15/2019 13:17	Noted. Will discuss with Civil	
		Accepted set by			Consider releasing how formula in the constant of the constant	
Claud Callaut	D 002 05	TAKEMOTOMW on	TAKER40TOR4144	10/11/2010 4 4 4	Consider relocating box/panel to improve O&M access between the	NA:-II
Cloud Callout	R-003-05	11/29/2019 at 9:32:11 AM	TAKEMOTOMW		screenings washers. Swill coordinate with process/mechanical	Michaud
Re: Cloud Callout	R-003-05		ttom	10/14/2019 8:16	vviii coordinate with process/methanital	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on 11/29/2019 at 9:32:24				
		AM Accepted set by				
		TAKEMOTOMW on				
Cloud Callout	R-007-05	11/29/2019 at 9:33:16 AM	TAKEMOTOMW	10/11/2019 14:46	6 Confirm plan for resolving duct bank conflict shown. Many of these are existing duct banks and may be modified to accommodate	Michaud
Re: Cloud Callout	R-007-05		ttom	10/14/2019 8:18	pipe. Will be coordinated for 90%	
		Accepted set by				
		TAKEMOTOMW on				
Cloud Callout	R-007-05	11/29/2019 at 9:33:58 AM	TAKEMOTOMW		5 Confirm plan for resolving duct bank conflict shown. Aware of this issue and duct banks in that area will need to be cut up to	Michaud
Re: Cloud Callout	R-007-05		ttom	10/14/2019 8:19	nearest manhole and rerouted to accommodate pipe crossing.	
		Accepted set by TAKEMOTOMW on				
Cloud Callout	R-007-05	11/29/2019 at 9:34:13 AM	TAKEMOTOMW	10/11/2019 14:46	6 Confirm plan for resolving duct bank conflict shown.	Michaud
					Duct banks are existing and actual depth is currently unknown, they are place	
Re: Cloud Callout	R-007-05		ttom	10/14/2019 8:19	9 holders for now and will be coordinated when more information is gathered.	
		Accepted set by TAKEMOTOMW on			D 100 1411W2IC show the 42" DC from the grit area connecting here	
Callout	R-001-14HW3	11/29/2019 at 9:34:26 AM	TAKEMOTOMW	10/11/2019 14:46	D-100-14HW3IS show the 42" RS from the grit area connecting here.	Youker
Re: Callout	R-001-14HW3	11/25/2015 at 5.54.20 Alvi	Bryan Youker		Yes. Will coordinate during next phase of design.	Toukei
ner canoac	001 1	Accepted set by	Di yan Toune.	10/1 1/2013 1 1101	There will be a lot of H2S released at this location, which seem to be in a	
		TAKEMOTOMW on			dead zone for FA flow. Confirm FA duct locations. Also do not see any air	
Callout	R-010-14HW3	11/29/2019 at 9:34:54 AM	TAKEMOTOMW	10/11/2019 14:48	3 intake/makeup air connections in the grit effluen channel area.	Cowden
					An intake air opening will be provided at this far end of the channel to avoid	
Re: Callout	R-010-14HW3		scowden	10/23/2019 15:18	3 a "dead zone".	
		Accepted set by				
C. II.	0.002.05	TAKEMOTOMW on	TAKEN 40TON 4147	40/44/2040 44 40	There are 3 types of dashed lines used on this sheet, but only one shown in	Cl II
Callout Re: Callout	C-003-05 C-003-05	11/29/2019 at 9:35:08 AM	TAKEMOTOMW Sam Chandler		9 the legend. Its not clear what the distinction is amongst the three. 8 Will add missing line types to legend.	Chandler
ite. Callout	C-003-03		Jani Chandler	10/10/2013 8.40	Seems like the single lane over the drainage culvert could be a traffic	
					bottleneck. Adding a secondary construction access point on the east side	
		Accepted set by			(e.g. from Los Esteros Rd) may be beneficial if available. Also consider	
		TAKEMOTOMW on			requiring a temporary pedestrian boardwalk or similar, adjacent to vehicle	
Cloud Callout	C-003-05	11/29/2019 at 9:35:36 AM	TAKEMOTOMW	10/11/2019 14:49	O culvert crossing for safety.	Chandler
					Per meeting with client 10/22, Jacobs is not required to provide widening of	
Re: Cloud Callout	C-003-05		Sam Chandler	10/25/2019 9:05	5 the bridge or pedestrian improvements.	
		Accepted set by			Contractor access arrow only points toward Zanker Road. It the intent that	
Callout	C 003 05	TAKEMOTOMW on	TAKENAOTONANA	10/11/2010 14:40	this would be used as an exist only? All other access arrows point both	Chandlar
Callout	C-003-05	11/29/2019 at 9:36:05 AM	TAKEMOTOMW	10/11/2019 14:49	ordirections. Will add arrows pointing both directions. Zanker Road is primary	Chandler
Re: Callout	C-003-05		Sam Chandler	10/18/2019 8:51	L entrance/exit for construction traffic.	
	00	Accepted set by		,,,	,	
		TAKEMOTOMW on			Work limits extended off the left side of the page and are not shown on the	
Callout	C-003-05	11/29/2019 at 9:36:22 AM	TAKEMOTOMW	10/11/2019 14:49	other Staging drawing.	Chandler
Re: Callout	C-003-05		Sam Chandler	10/18/2019 8:52	Will adjust drawing limits to show full work area.	



Subject	Page Label	Status	Author	Date Comments	Assigned Responder
Cloud Callout	C-003-05		DG	10/11/2019 14:49	1 Chandler
Re: Cloud Callout	C-003-05		kmaestri	11/8/2019 9:25 will consider renaming	
Re: Re: Cloud Callout	C-003-05		DG	2/12/2020 12:23 Need to discuss sheet naming, in general.	
		Accepted set by TAKEMOTOMW on			
Callaut	C-003-05		TAKENAOTONANA	10/11/2010 14/40 Structure ID for Headwarks 1 should be 11/1/11 in the legand	Chandlar
Callout Re: Callout	C-003-05 C-003-05	11/29/2019 at 9:36:43 AM	TAKEMOTOMW Sam Chandler	10/11/2019 14:49 Structure ID for Headworks 1 should be 1HW1 in the legend. 10/29/2019 15:04 Will verify with City staff and update	Chandler
Ne. Callout	C-005-05	Accepted set by	Salli Cilaliulei	10/29/2019 15:04 Will Verify With City Staff and update	
		TAKEMOTOMW on		Should the Construction Trailer Area be shown within the Contractor work	
Callout	C-004-05	11/29/2019 at 9:36:53 AM	TAKEMOTOMW	10/11/2019 14:50 limits?	Chandler
Re: Callout	C-004-05	,,	Sam Chandler	10/18/2019 8:52 Yes, will update.	
				What is the distinction between the 15 acre soil disposal area and the 40 acr	2
		Accepted set by		soil disposal area? Are there any requirements for what can or can't be	
		TAKEMOTOMW on		stored or disposed here? Any requires for the finished condition of these	
Callout	C-004-05	11/29/2019 at 9:39:08 AM	TAKEMOTOMW	10/11/2019 14:50 areas at the end of construction?	Chandler
		, .,		The 15-acre disposal area is where the HW3 project intends to place soil	
				within the 40-acrea area identified by the City for soil disposal. Post	
				construction, the soil added to the 15-acre area will be spread to a maximum	l
Re: Callout	C-004-05		Sam Chandler	10/18/2019 8:54 of 1' thickness.	
		Accepted set by			
		TAKEMOTOMW on			
Callout	C-100-05	11/29/2019 at 9:39:24 AM	TAKEMOTOMW	10/11/2019 14:50 Lane not shown in the background	Chandler
Re: Callout	C-100-05		kmaestri	11/8/2019 9:26 will coordinate	
		Accepted set by			
		TAKEMOTOMW on			
Callout	C-100-05	11/29/2019 at 9:39:34 AM	TAKEMOTOMW	10/11/2019 14:50 CG-103-05	Chandler
Re: Callout	C-100-05		kmaestri	11/8/2019 9:26 will fix	
		Accepted set by			
		TAKEMOTOMW on		Not clear what the purpose of this arrow is. Are BMPs needed in this	
Callout	CE-101-05	11/29/2019 at 9:40:02 AM	TAKEMOTOMW	10/11/2019 14:50 drainage area?	Chandler
				Arrows will be updated to reflect drainage patterns within the project work	
Re: Callout	CE-101-05		Sam Chandler	10/29/2019 15:06 limits.	
		Accepted set by			
		TAKEMOTOMW on		Suggest adding the work limits to this sheet to help clarify areas where BMPs	;
Text	CE-101-05	11/29/2019 at 9:40:19 AM	TAKEMOTOMW	10/11/2019 14:50 will be needed.	Chandler
Re: Text	CE-101-05		kmaestri	11/8/2019 9:36 will consider	
<u> </u>		Accepted set by			
		TAKEMOTOMW on		Key note is not pointing to anything specific. Refers to pipe trench, but none	
Callout	CE-101-05	11/29/2019 at 9:40:47 AM	TAKEMOTOMW	10/11/2019 14:50 shown.	Chandler
Re: Callout	CE-101-05		kmaestri	11/8/2019 9:36 will fix	
		Accepted set by			
		TAKEMOTOMW on			
Callout	CE-101-05	11/29/2019 at 9:41:04 AM	TAKEMOTOMW	10/11/2019 14:50 Runoff from top of structure?	Chandler
Re: Callout	CE-101-05		Sam Chandler	10/29/2019 15:06 Yes, parts of the structure runoff to surrounding paving.	
		Accepted set by			
	05.407.55	TAKEMOTOMW on		A CAMPAGNA A TO The common of the campagna and the campagna and the campagna and the campagna and the campagna	o
Callout	CE-101-05	11/29/2019 at 9:41:13 AM	TAKEMOTOMW	10/11/2019 14:50 These arrows are pointing to an area with not BMPs shown.	Chandler
Re: Callout	CE-101-05		Sam Chandler	10/29/2019 15:07 Will update and provide BMPs where appropriate.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
Callout	CE-101-05	TAKEMOTOMW on 11/29/2019 at 9:41:20 AM	TAKEMOTOMW	10/11/2010 14:50	Linework not defined/ labeled, typ.	Chandler
Re: Callout	CE-101-05	11/25/2015 at 5.41.20 AW	Sam Chandler		Will add labels or add to legend at 90%.	Chandlei
		Accepted set by				
C.II.	OF 402 OF	TAKEMOTOMW on	TAKEN 40 TON 414	40/44/20404454	Fin landon	Charalle a
Callout Re: Callout	CE-102-05 CE-102-05	11/29/2019 at 9:41:35 AM	TAKEMOTOMW kmaestri	10/11/2019 14:51 11/8/2019 9:37		Chandler
Ne. canout	CL 102 03	Accepted set by	Killucstil	11/0/2019 3.37	<u>. </u>	
		TAKEMOTOMW on				
Callout	CE-102-05	11/29/2019 at 9:44:35 AM	TAKEMOTOMW	10/11/2019 14:51		Chandler
Re: Callout	CE-102-05	Accepted set by	kmaestri	11/8/2019 9:39	OK	
		TAKEMOTOMW on				
Callout	CE-102-05	11/29/2019 at 9:44:54 AM	TAKEMOTOMW	10/11/2019 14:51	Not clear what TC-1 means.	Chandler
Re: Callout	CE-102-05		Sam Chandler	10/29/2019 15:12	TC-1 will be replaced by callout to Keynote 5, which defines TC-1.	
		Accepted set by				
Group	CE-103-05	TAKEMOTOMW on 11/29/2019 at 9:45:14 AM	TAKEMOTOMW	10/11/2019 14·51	Callouts needed for SWPPP control measures needed in this area?	Chandler
Re: Group	CE-103-05	11/25/2015 at 5.45.14 AW	Sam Chandler	10/29/2019 15:20		Chanaler
		Accepted set by				
		TAKEMOTOMW on			Suggest adding coordinates or other means of determining the extent of	
Callout	CX-100-05	11/29/2019 at 9:50:51 AM	TAKEMOTOMW	10/11/2019 14:53	demolition.	Chandler
Re: Callout	CX-100-05		Sam Chandler	10/29/2019 15:27	Demolition area plans will be updated to define limits of demo work at 90%.	
		Accepted set by				
Callant	CV 102 0F	TAKEMOTOMW on	TAKENAOTONAWA	10/11/2010 14:55	Label stradica	Chanallan
Callout Re: Callout	CX-102-05 CX-102-05	11/29/2019 at 9:52:35 AM	TAKEMOTOMW Sam Chandler	10/11/2019 14:55 10/29/2019 9:53		Chandler
		Accepted set by				
		TAKEMOTOMW on			Not clear if the dashed line means anything. Any pipes being demolished or $% \left\{ 1,2,\ldots ,n\right\}$	
Callout	CX-103-05	11/29/2019 at 9:52:52 AM	TAKEMOTOMW		abandoned should be labeled.	Chandler
Re: Callout	CX-103-05	Accepted set by	Sam Chandler	10/29/2019 15:28	Will update linework and labels	
		TAKEMOTOMW on				
Callout	CX-104-05	11/29/2019 at 9:54:29 AM	TAKEMOTOMW		Existing pipe linework is missing.	Chandler
Re: Callout	CX-104-05		kmaestri	11/8/2019 9:55	this is being updated for 90%	
		Accepted set by TAKEMOTOMW on				
Callout	CX-106-05	11/29/2019 at 9:54:35 AM	TAKEMOTOMW	10/11/2019 15:02	Define limit of demolition	Chandler
Re: Callout	CX-106-05		kmaestri	11/8/2019 9:56		
		Accepted set by				
Callaut	CV 107 0F	TAKEMOTOMW on	TAKENAOTON 4147	10/11/2010 45:03	Not clear what facility is being referred to or the work required to demolish	Chandlar
Callout Re: Callout	CX-107-05 CX-107-05	11/29/2019 at 9:54:52 AM	TAKEMOTOMW kmaestri	10/11/2019 15:02 11/8/2019 9:57	vill clarify in 90%	Chandler
		Accepted set by		, -, 3.0.	•	
		TAKEMOTOMW on				
Callout	CX-107-05	11/29/2019 at 9:55:55 AM	TAKEMOTOMW	10/11/2019 15:02	Not clear what this line work is.	Chandler



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Re: Callout	CX-107-05		Sam Chandler	10/29/2019 15:30	Linework displaying incorrectly, will fix at 90%. Existing piping to remain.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	CX-107-05	11/29/2019 at 9:56:11 AM	TAKEMOTOMW	10/11/2019 15:02		Chandler
Re: Callout	CX-107-05		Sam Chandler	10/29/2019 9:55	Will do.	
		Accepted set by				
	0.404.05	TAKEMOTOMW on			T 11 1	0 1 II
Callout	C-101-05	11/29/2019 at 9:56:17 AM	TAKEMOTOMW		Table needs to be completed.	Chandler
Re: Callout	C-101-05	A a second and but	Sam Chandler	10/29/2019 15:31	Agree, coordinate tables will be populated at 90%.	
		Accepted set by TAKEMOTOMW on				
Callout	C-103-05	11/29/2019 at 9:56:27 AM	TAKEMOTOMW	10/11/2010 15:02	Table needs to be completed.	Chandler
Re: Callout	C-103-05	11/29/2019 at 9.30.27 AIVI	kmaestri		yes will do at 90% design	Chandle
ne. canoat	C 103 03	Accepted set by	Killacstil	11,0,2013 3.27	1	
		TAKEMOTOMW on				
Callout	C-104-05	11/29/2019 at 9:58:33 AM	TAKEMOTOMW	10/11/2019 15:03	If this is a concrete structure, are guard posts needed to protect it?	Chandler
Re: Callout	C-104-05		Sam Chandler		Guard posts protect above grade piping and equipment above grade.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-104-05	11/29/2019 at 9:58:49 AM	TAKEMOTOMW	10/11/2019 15:03	Why 4' spacing on one side and 3' spacing on the other?	Chandler
					Bollards have 4' spacing center to center and are offset from the vault by 3'.	
Re: Callout	C-104-05		Sam Chandler	10/29/2019 15:32	Will revise dimension locations to clarify.	
		Accepted set by				
		TAKEMOTOMW on			What is the clearance requirement between the guard posts and the	
Callout	C-104-05	11/29/2019 at 9:59:21 AM	TAKEMOTOMW		structure or piping?	Chandler
Re: Callout	C-104-05	Assembled set by	kmaestri	11/8/2019 9:28	per previous response they will be offset by 3'	
		Accepted set by TAKEMOTOMW on			S-110-1A is a structural drawing and does not show the required civil surface	
Callout	C-104-05	11/29/2019 at 9:59:39 AM	TAKEMOTOMW	10/11/2019 15:03	improvements required in this area. Those details need to be added.	: Chandler
Canout	C 104 05	11/25/2015 ut 5.55.55 ANI	TAREINIOTOWW	10/11/2015 15:05	Agree, will update site plan with restoration work required by demo at	Chanaci
Re: Callout	C-104-05		Sam Chandler	10/29/2019 15:33	Milpitas Structure.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-104-05	11/29/2019 at 9:59:48 AM	TAKEMOTOMW	10/11/2019 15:03	Complete table.	Chandler
Re: Callout	C-104-05		kmaestri	11/8/2019 9:27	to be done at 90%	
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-105-05	11/29/2019 at 9:59:58 AM	TAKEMOTOMW		Surface restoration for the wetland area needs to be defined.	Chandler
Re: Callout	C-105-05		kmaestri	11/8/2019 9:28	will coordinate	
		Accepted set by				
Callaut	C 10F 0F	TAKEMOTOMW on	TAKENAOTONAVA	10/11/2010 15:02	Need to define what surface the payament will be mostly	Chandler
Callout Re: Callout	C-105-05 C-105-05	11/29/2019 at 10:00:24 AM	kmaestri		Need to define what surface the pavement will be meeting up against. will address in 90% design	Chandler
ne. Canout	C-102-02	Accepted set by	MIIIaESIII	11/0/2019 9:29	will data C33 III 30/0 design	
		TAKEMOTOMW on				
Callout	C-105-05	11/29/2019 at 10:00:13 AM	TAKEMOTOMW	10/11/2019 15:03	Need to define what surface the pavement will be meeting up against.	Chandler
Re: Callout	C-105-05	,,,,, , , , , , , , , , ,	kmaestri		will address in 90% design	
	30 00			, _,	<u> </u>	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-106-05	11/29/2019 at 10:01:00 AM			Edge of existing pavement? New surface is shown as gravel.	Chandler
Re: Callout	C-106-05		Sam Chandler	10/29/2019 15:35	Surfacing should be shown as new pavement.	
		Accepted set by				
Callaut	C 10C 0F	TAKEMOTOMW on 11/29/2019 at 10:00:39 AM	TAKENAOTONAWA	10/11/2010 15:02	Are the abbreviations PC and PI defined anywhere?	Chandler
Callout Re: Callout	C-106-05 C-106-05	11/29/2019 at 10:00:39 AW	Sam Chandler		Will update abbreviations list at beginning of plan set.	Chandler
ite. Canout	C-100-03	Accepted set by	Sam Chandler	10/23/2013 13.33	viii apaate abbreviations iist at beginning or plan set.	
		TAKEMOTOMW on				
Callout	C-106-05	11/29/2019 at 10:02:29 AM	TAKEMOTOMW	10/11/2019 15:03	Material needs to be defined. Gravel?	Chandler
Re: Callout	C-106-05	, ,, , , , , , , , , , , , , , , , , , ,	Sam Chandler		Ground cover here will be asphalt.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-106-05	11/29/2019 at 10:02:23 AM	TAKEMOTOMW	10/11/2019 15:03	Material needs to be defined. Gravel?	Chandler
					Asphalt ground cover per client's preference to not have gravel and	
Re: Callout	C-106-05		Sam Chandler	11/26/2019 8:04	associated weed growth/maintenance issues.	
		Accepted set by				
		TAKEMOTOMW on				
Ellipse	C-106-05	11/29/2019 at 10:02:03 AM		10/11/2019 15:04		Chandler
Re: Ellipse	C-106-05		kmaestri	11/8/2019 9:31	no response needed for this one	
		Accepted set by TAKEMOTOMW on			This is a physically separate structure from the Grit Basins. Suggest define	
Callout	C-106-05	11/29/2019 at 10:01:32 AM	TAKEMOTOMW	10/11/2019 15:04	. , , ,	Chandler
Re: Callout	C-106-05	11/25/2015 at 10.01.52 AW	kmaestri		will coordinate with structural	Chandle
ner dandar	0 100 05	Accepted set by	acot.i	11,0,2013 3.00		
		TAKEMOTOMW on				
Callout	C-106-05	11/29/2019 at 10:01:19 AM	TAKEMOTOMW	10/11/2019 15:04	Coordinates for this edge are not defined.	Chandler
Re: Callout	C-106-05		kmaestri	11/8/2019 9:29	will add	
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-106-05	11/29/2019 at 10:01:09 AM	TAKEMOTOMW		Leaders are not point to corner of structure. Confirm coordinates.	Chandler
Re: Callout	C-106-05		kmaestri	11/8/2019 9:29	will do	
		Accepted set by				
	0.40=.0=	TAKEMOTOMW on				
Callout	C-107-05	11/29/2019 at 10:03:41 AM	TAKEMOTOMW	10/11/2019 15:04	Material needs to be defined. Gravel? Per meeting with client 10/22, existing ground cover (mostly gravel) will be	Chandler
Por Callout	C 107 0F		Sam Chandlar	10/25/2010 10:06	maintained around Ferric Chloride.	
Re: Callout	C-107-05	Accepted set by	Sam Chandler	10/23/2019 10:00	manitanica around reffic chioriae.	
		TAKEMOTOMW on				
Callout	C-107-05	11/29/2019 at 10:03:32 AM	TAKEMOTOMW	10/11/2019 15:04	Material needs to be defined. Gravel?	Chandler
	0 137 03	11, 23, 2013 at 10.03.32 AW		_0, 11, 2013 13.07	Per meeting with client 10/22, existing ground cover (mostly gravel) will be	2.10.10.10.
Re: Callout	C-107-05		Sam Chandler	10/25/2019 10:06	maintained around EBOS.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-107-05	11/29/2019 at 10:03:25 AM	TAKEMOTOMW	10/11/2019 15:04	Material needs to be defined. Gravel?	Chandler
Re: Callout	C-107-05		Sam Chandler	10/25/2019 10:05	Per meeting with client 10/22, ground cover here will be grass.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-107-05	11/29/2019 at 10:03:19 AM			4 Coordinate needed?	Chandler
Re: Callout	C-107-05	Assessed set by	kmaestri	11/8/2019 9:33	3 WIII review	
		Accepted set by TAKEMOTOMW on				
Callout	C-107-05	11/29/2019 at 10:03:05 AM	TAKEMOTOMW	10/11/2019 15:04	Is this lead meant to indicate where the fence should be relocated to? No, it is meant to indicate fencing to be relocated. Fencing location was updated to reflect changes made during the Iron Salt project and the leaders	Chandler
Re: Callout	C-107-05		Sam Chandler	10/29/2019 15:39		
		Accepted set by				
		TAKEMOTOMW on				
Callout	C-107-05	11/29/2019 at 10:02:39 AM	TAKEMOTOMW		This detail is not included with the standard detail package.	Chandler
Re: Callout	C-107-05		Sam Chandler	10/29/2019 15:38	3 Detail to be added at 90%	
		Accepted set by				
Callant	66 403 05	TAKEMOTOMW on	TAI/F840T084***	10/11/2010 15 0	The perimeter houndary of the work core words to be defined	Charadhan
Callout Re: Callout	CG-103-05 CG-103-05	11/29/2019 at 10:04:30 AM	Sam Chandler		1 The perimeter boundary of the work area needs to be defined. L Will update with coordinates.	Chandler
Re. Callout	CG-103-03	Accepted set by	Salli Cilaliulei	10/29/2019 15.41	will update with coordinates.	
		TAKEMOTOMW on				
Callout	CG-103-05	11/29/2019 at 10:04:17 AM	TAKEMOTOMW	10/11/2019 15:04	1 Should a ridge line be shown here?	Chandler
Re: Callout	CG-103-05	, ,, , , , , , , , , , , , , , , , , , ,	Sam Chandler	10/29/2019 15:41		
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-103-05	11/29/2019 at 10:04:08 AM	TAKEMOTOMW	10/11/2019 15:04	Not clear what this line is?	Chandler
					Existing edge of pavement to be restored after 96" RS pipe construction.	
Re: Callout	CG-103-05		Sam Chandler	10/29/2019 15:40) Sawcut line missing. Will update.	
		Accepted set by			Depiction for relocated chainlink fence does not appear to be complete.	
Callant	C-108-05	TAKEMOTOMW on	TAKENAOTONANA	10/11/2010 15:07	Chainlink fence linework does not match what is shown in the Civil Legend	Chandler
Callout	C-108-05	11/29/2019 at 10:03:55 AM	TAKEIVIOTOIVIV	10/11/2019 15:04	Existing fence line work needs to be updated to reflect changes made with	Chandler
Re: Callout	C-108-05		Sam Chandler	10/18/2019 21:39	Fron Salt project. New fence will be coordinated with those updates.	
		Accepted set by		-, -,		
		TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:07:37 AM	TAKEMOTOMW		5 Elevation label missing.	Chandler
Re: Callout	CG-106-05		kmaestri	11/8/2019 9:41	will add at 90%	
		Accepted set by				
.	00 /	TAKEMOTOMW on		10/11/65:5:::	et acoust de com	
Callout	CG-106-05	11/29/2019 at 10:07:31 AM			5 Elevation label missing.	Chandler
Re: Callout	CG-106-05	Accepted set by	kmaestri	11/8/2019 9:41	Lwill add at 90%	
		TAKEMOTOMW on			Structural drawing shows TO CONC at EL 9.23 on S-113-14BLDG64.	
Callout	CG-106-05	11/29/2019 at 10:06:39 AM	TAKEMOTOMW	10/11/2019 15:09	5 Surrounding grade needs to match from ramp access.	Chandler
Re: Callout	CG-106-05	,, 40 20.00.00 / 1141	kmaestri		will coordinate	
		Accepted set by				
		TAKEMOTOMW on			General note. Only a few existing contours are labeled in the background.	
Text	CG-105-05	11/29/2019 at 10:06:20 AM	TAKEMOTOMW	10/11/2019 15:05	How will cut and fill quantities be determined?	Chandler



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
					Cottand fill and the control of from the control of	
D T +	CC 105 05		Carra Charadhan	10/20/2010 15:4	Cut and fill quantities are determined from the existing and proposed grade	
Re: Text	CG-105-05	Accepted set by	Sam Chandler	10/29/2019 15:4	3 surface models. Additional labels for existing contours will be added.	
		TAKEMOTOMW on				
Callout	CG-105-05	11/29/2019 at 10:06:03 AM	TAKEMOTOMW	10/11/2019 15:0	5 9-foot contour line? Label.	Chandler
Re: Callout	CG-105-05	, .,	kmaestri	11/8/2019 9:4		
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-105-05	11/29/2019 at 10:05:54 AM			5 Is there a detail for this?	Chandler
Re: Callout	CG-105-05		Sam Chandler	10/29/2019 15:4	3 Detail to be added to drawing set.	
		Accepted set by				
Claud Callaut	CC 10C 0F	TAKEMOTOMW on	TAL/FRACTORALA/	10/11/2010 15:0	This are infaint flat. Confirm advanced during	Chandle.
Cloud Callout Re: Cloud Callout	CG-106-05 CG-106-05	11/29/2019 at 10:10:23 AM	TAKEMOTOMW kmaestri	11/8/2019 15:0	5 This area is fairly flat. Confirm adequate drainage.	Chandler
ite. cloud callout	CG-100-03	Accepted set by	KIIIdestii	11/6/2013 3.4	+ Will 40	
		TAKEMOTOMW on				
Group	CG-107-05	11/29/2019 at 10:12:44 AM	TAKEMOTOMW	10/11/2019 15:0	5 Low point. Will runoff drain to the unpaved area?	Chandler
					Per meeting with client 10/22, additional stormwater collection and pump	
Re: Callout	CG-107-05		Sam Chandler	10/25/2019 11:5	3 station will be required to collect runoff south of EBOS.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-107-05	11/29/2019 at 10:12:19 AM			6 Confirm spot elevations along the edge	Chandler
Re: Callout	CG-107-05	A a a support of a set by	kmaestri	11/8/2019 9:4	ь ок	
		Accepted set by TAKEMOTOMW on				
Callout	CG-107-05	11/29/2019 at 10:12:09 AM	TAKEMOTOMW	10/11/2019 15:0	6 Lahel	Chandler
Re: Callout	CG-107-05	11,23,2013 at 10.12.03 / 11/1	kmaestri	11/8/2019 9:4		Chanaler
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-107-05	11/29/2019 at 10:12:00 AM	TAKEMOTOMW	10/11/2019 15:0	6 Label 9	Chandler
Re: Callout	CG-107-05		kmaestri	11/8/2019 9:4	6 will fix	
		Accepted set by				
C-II+	CC 107 0F	TAKEMOTOMW on	TAKENAOTONANA	10/11/2010 15:0	C. O. and C. and the state of the same	Classical Law
Callout Re: Callout	CG-107-05 CG-107-05	11/29/2019 at 10:11:55 AM	kmaestri	11/8/2019 15:0	6 9 and 6 contour lines look the same. 5 will review	Chandler
nc. canoac	CG 107 03	Accepted set by	KIIIdeStii	11/0/2013 3.4	,enen	
		TAKEMOTOMW on				
Callout	CG-107-05	11/29/2019 at 10:12:29 AM	TAKEMOTOMW	10/11/2019 15:0	6 Label	Chandler
Re: Callout	CG-107-05		kmaestri	11/8/2019 9:4	6 ok	
	-	Accepted set by		-		-
		TAKEMOTOMW on				
Cloud Callout	CG-107-05	11/29/2019 at 10:11:31 AM	TAKEMOTOMW	10/11/2019 15:0	6 This area seems very flat. Confirm adequate drainage is provided.	Chandler
Day Claud Callaget	CC 107.0F		Com Chandle	10/20/2010 45:5	Per meeting with client 10/22/2019, additional stormwater collection, piping	,
Re: Cloud Callout	CG-107-05	Accepted set by	Sam Chandler	10/29/2019 15:5	5 and pump stations to be added in this area.	
		TAKEMOTOMW on				
Callout	CG-107-05	11/29/2019 at 10:11:17 AM	TAKEMOTOMW	10/11/2019 15:0	6 This area seems like a low point. Confirm drainage in this area.	Chandler

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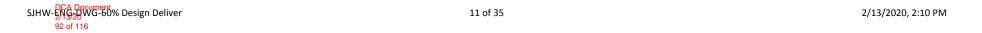


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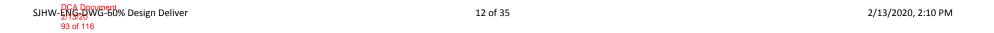
Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
	00.407.05			40/00/004045	Per meeting with client 10/22/2019, additional stormwater collection, piping	
Re: Callout	CG-107-05		Sam Chandler	10/29/2019 15:55	and pump stations to be added in this area.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-107-05	11/29/2019 at 10:11:08 AM			5 This elevation seems incorrect.	Chandler
Re: Callout	CG-107-05		kmaestri	11/8/2019 9:45	WIII CONTIFM	
		Accepted set by				
C.II.	66 407 05	TAKEMOTOMW on	TAL/5140T01414	40/44/2040 45 00	tal to the discount of a construction of	Class II.
Callout	CG-107-05	11/29/2019 at 10:11:01 AM			This detail is not in the standard details.	Chandler
Re: Callout	CG-107-05		Sam Chandler	10/29/2019 15:54	Detail to be added to drawing set.	
		Accepted set by				
C. II.	66 407 05	TAKEMOTOMW on	TAL/5140T01414	40/44/2040 45 00	teritorial de estado en es	Class II.
Callout	CG-107-05	11/29/2019 at 10:11:43 AM			This edge will also be a ridge line.	Chandler
Re: Callout	CG-107-05	0	kmaestri	11/8/2019 9:45	6 WIII Teview	
		Accepted set by			Top of wall on the EOR Food structure is called out as F142 O which in large	
Calland	CC 10C 0F	TAKEMOTOMW on	TAKEN 40TON 414/	10/11/2010 15:00	Top of wall on the EOB Feed structure is called out as EL12.0 which is lower	Chandle.
Callout	CG-106-05	11/29/2019 at 10:07:49 AM			than the ~EL 12.7 shown.	Chandler
Re: Callout	CG-106-05	0	kmaestri	11/8/2019 9:42	Will Teview	
		Accepted set by			Current naving this area and raising the playation to facilitate access to the	
Craus	CC 10C 0F	TAKEMOTOMW on	TAKENAOTONAVA	10/11/2010 15:00	Suggest paving this area and raising the elevation to facilitate access to the	Chandlar
Group	CG-106-05	11/29/2019 at 10:08:18 AM	TAKEIVIOTOIVIV	10/11/2019 15:00	i front of the screening structure. Per meeting with client 10/22, grade asphalt grade will be raised at east end	Chandler
Re: Callout	CG-106-05		Sam Chandler	10/25/2010 10:20	of the screens to match deck grade.	
Ne. Callout	CG-100-03	Accepted set by	Sam Chandler	10/23/2019 10.29	of the servens to material active grade.	
		TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:09:42 AM	TAKEMOTOMW	10/11/2010 15:06	What is the elevation along the edge of this building?	Chandler
Re: Callout	CG-106-05	11/23/2013 at 10.03.42 AW	kmaestri	11/8/2019 9:43	<u> </u>	Chandler
ne. canoat	CG 100 03	Accepted set by	KITIGCSCIT	11/0/2015 5.45		
		TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:09:33 AM	TAKEMOTOMW	10/11/2019 15:06	Coordinate and elevation need to be called out.	Chandler
Re: Callout	CG-106-05	11, 23, 2013 at 10.03.33 / 11/1	kmaestri		will add at 90%	Chanalei
ner cancac	00 100 05	Accepted set by	Mindeser:	11,0,2013 3113		
		TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:09:21 AM	TAKEMOTOMW	10/11/2019 15:06	Leader pointing to wrong location.	Chandler
Re: Callout	CG-106-05	,,	kmaestri	11/8/2019 9:43		
		Accepted set by		, , ,		
		TAKEMOTOMW on			Confirm elevation. The edge of pavement here seems to be a low point	
Callout	CG-108-05	11/29/2019 at 10:13:39 AM	TAKEMOTOMW	10/11/2019 15:07	between two EL 6 contours.	Chandler
Re: Callout	CG-108-05		kmaestri	11/8/2019 9:48		
		Accepted set by				
		TAKEMOTOMW on			Confirm elevation. The edge of pavement here seems to be a low point	
Callout	CG-108-05	11/29/2019 at 10:13:30 AM	TAKEMOTOMW	10/11/2019 15:07	between two EL 6 contours.	Chandler
Re: Callout	CG-108-05		kmaestri	11/8/2019 9:47	will confirm	
		Accepted set by				
		TAKEMOTOMW on			Is this the existing 120" RS. If so its roughly 100 feet away from the edge of	
Callout	CG-301-05	11/29/2019 at 10:20:14 AM	TAKEMOTOMW	10/11/2019 15:07	the headworks structure and would not show up on this sheet.	Chandler
					Yes, this is the existing 120" RS. The existing 120" RS is roughly 40' away.	
Re: Callout	CG-301-05		Sam Chandler	10/18/2019 21:53	Existing 84" RS is approximately 100' away.	



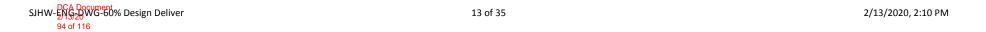
Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Re: Re: Callout	CG-301-05		TAKEMOTOMW	11/29/2019 10:20	Got it. Thanks for clarifying.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-301-05	11/29/2019 at 10:14:48 AM			There is a 30" FA line here that is not shown.	Chandler
Re: Callout	CG-301-05		kmaestri	11/8/2019 9:49	will review	
		Accepted set by				
Callout	CG-301-05	TAKEMOTOMW on 11/29/2019 at 10:14:42 AM	TAVENACTONANA	10/11/2010 15:07	Should be CG, not C.	Chandler
Re: Callout	CG-301-05	11/29/2019 at 10.14.42 AW	kmaestri		will correct as needed	Chandler
Ne. Canoat	CG 301 03	Accepted set by	KIIIdeStii	11/0/2015 5.45	This contest to necees	
		TAKEMOTOMW on				
Callout	CG-301-05	11/29/2019 at 10:14:35 AM	TAKEMOTOMW	10/11/2019 15:07	Should be CG, not C.	Chandler
Re: Callout	CG-301-05		kmaestri	11/8/2019 9:49	will correct as needed	
		Accepted set by				
		TAKEMOTOMW on				
Callout	CG-301-05	11/29/2019 at 10:14:30 AM			Should be CG, not C.	Chandler
Re: Callout	CG-301-05		kmaestri	11/8/2019 9:49	will correct as needed	
		Accepted set by				
Callant	CC 201 0F	TAKEMOTOMW on	TAKENAOTONANA	10/11/2010 15:07	Detail should aske a slowest areas for subsected accounting	Chandle.
Callout Re: Callout	CG-301-05 CG-301-05	11/29/2019 at 10:14:22 AM	Sam Chandler		Detail should refer relevant specs for subgrade preparation. Material callout will be updated to match specs.	Chandler
Re. Callout	CG-301-03	Accepted set by	Sain Chandler	10/29/2019 10.00	Consider adding a rock trap downstream on the 12" SP. Any debris that	
		TAKEMOTOMW on			makes into the pipe will end up in EBOS and will be difficult to remove from	
Callout	C-501-05	11/29/2019 at 10:22:13 AM	TAKEMOTOMW	10/11/2019 15:07		Chandler
				, ,	Per meeting with client 10/22, rock traps will be provided at each septage	
Re: Callout	C-501-05		Sam Chandler	10/25/2019 13:23	receiving pipe	
		Accepted set by				
		TAKEMOTOMW on				
Text	C-501-05	11/29/2019 at 10:22:03 AM			Additional detail dimensions and elevations need to be added to the sheet.	Chandler
Re: Text	C-501-05		kmaestri	11/8/2019 9:34	. WIII add.	
		Accepted set by			Will though a greate or backet to provent large debrie from entering the	
Callout	C-501-05	TAKEMOTOMW on 11/29/2019 at 10:20:40 AM	TAKENAOTONAWA	10/11/2019 15:08	Will there be a grate or basket to prevent large debris from entering the	Chandler
Callout	C-301-03	11/29/2019 at 10.20.40 AW	TARLIVIOTOIVIV	10/11/2019 13.06	Per meeting with client 10/22, rock traps will be provided at each septage	Chandle
					receiving pipe, a dumpster provided to empty rock traps into, and washdown	1
Re: Callout	C-501-05		Sam Chandler	10/25/2019 13:22		
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-100-07	11/29/2019 at 10:22:43 AM	TAKEMOTOMW	10/11/2019 15:08	Pipe not labeled.	Chandler
Re: Callout	Y-100-07		kmaestri	11/8/2019 13:36	will add	
		Accepted set by				
L	V 400 0=	TAKEMOTOMW on		10/11/2010 := :=		o
Callout	Y-100-07	11/29/2019 at 10:22:31 AM	TAKEMOTOMW Sam Chandler		Suggest not showing these detail callouts on this overall site drawing, typ. Agree, detail callouts will be moved to area plans.	Chandler
Re: Callout	Y-100-07	Accopted set by	Salli Cilafidler	10/23/2013 10:01	Not clear if this SD line will still be active or not. Its not being shown as	
		Accepted set by TAKEMOTOMW on			abandoned or demolished, but it currently is not shown as connected to	
Callout	Y-101-07	11/29/2019 at 10:23:06 AM	TAKEMOTOMW	10/11/2019 15:08	anything on one end.	Chandler
Re: Callout	Y-101-07	,,	Sam Chandler		Will update to show connection to new drain pipe	2
-	-				• •	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on			Confirm connection detail on how the 36"x36" tee will connect to the	
Callout	Y-101-07	11/29/2019 at 10:23:18 AM			8 existing 36" pipe.	Chandler
Re: Callout	Y-101-07		Sam Chandler	10/29/2019 16:0	2 Detail to be provided at 90%	
		Accepted set by				
		TAKEMOTOMW on		10/11/2010 15 0		
Callout	Y-101-07	11/29/2019 at 10:23:31 AM			8 Consider adding a marker to facilitate locating the pipe in the future.	Chandler
Re: Callout	Y-101-07	A a a suck and a set have	kmaestri	11/8/2019 13:3	6 will consider	
		Accepted set by TAKEMOTOMW on				
Callout	Y-101-07	11/29/2019 at 10:24:16 AM	TAKEMOTOMAN	10/11/2010 15:0	8 Connect to existing 8" WTR4	Chandler
Re: Callout	Y-101-07 Y-101-07	11/29/2019 at 10.24.16 AW	kmaestri	11/8/2019 13:3	•	Chandler
Re. Callout	1-101-07	Accepted set by	KilldeStill	11/6/2019 15.5	y will review.	
		TAKEMOTOMW on				
Callout	Y-101-07	11/29/2019 at 10:25:19 AM	TAKEMOTOMW	10/11/2019 15:0	9 Reducer is shown further downstream.	Chandler
Re: Callout	Y-101-07	11/25/2015 at 10.25.15 AW	kmaestri		7 will coordinate	Chandler
ne. canoac	1 101 07	Accepted set by	Killacstil	11/0/2013 13.3	,	
		TAKEMOTOMW on			Not clear what the new 84" RS pipe segment is connecting to. Exst 96" RS on	
Callout	Y-102-07	11/29/2019 at 10:25:33 AM	TAKEMOTOMW	10/11/2019 15:1	O one side but no connection shown on the other.	Chandler
Re: Callout	Y-102-07	11, 23, 2013 at 10.23.33 /	Sam Chandler		9 Will add vault at 90%. Facility drawing contains details of connection.	onanare.
	. 202 0:	Accepted set by		_0, _0, _0		
		TAKEMOTOMW on				
Callout	Y-102-07	11/29/2019 at 10:27:57 AM	TAKEMOTOMW	10/11/2019 15:1	O Suggest requiring the manhole to be marked as "Abandoned" in the field.	Chandler
					Will discuss with City how to identify abandoned manholes assuming the are	
					to remain in the ground (per discussions about CIP requirement that nothing	
Re: Callout	Y-102-07		Sam Chandler	11/26/2019 8:0	4 is "abandoned")	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-102-07	11/29/2019 at 10:27:38 AM	TAKEMOTOMW	10/11/2019 15:1	0 Should these notes be on CX-102-05 instead?	Chandler
Re: Callout	Y-102-07		Sam Chandler	10/29/2019 16:0	7 Yes.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-102-07	11/29/2019 at 10:25:44 AM	TAKEMOTOMW	10/11/2019 15:1	0 Not clear where this 8" PD is connecting to the existing pipe per the callout.	Chandler
Re: Callout	Y-102-07		kmaestri	11/8/2019 13:3	9 will clarify	
		Accepted set by				
		TAKEMOTOMW on			There does not appear to be any general language in the specifications	
Callout	Y-102-07	11/29/2019 at 10:28:44 AM	TAKEMOTOMW	10/11/2019 15:1	1 describing what is required for "Abandoned" piping or facilities.	Chandler
					Will add language to the demolition spec at 90% to describe abandoned item	
Re: Callout	Y-102-07		Sam Chandler	11/26/2019 8:0		
					Check weight of this structure and potential for differential settlement,	
Callout	Y-103-07		MBritten		2 dragging down existing utilities below.	Davis
Re: Callout	Y-103-07		pdavis1		3 will check for settlement of structure/utilities	
Re: Re: Callout	Y-103-07		DG	2/12/2020 12:4	5 Jacobs to provide calculations, if requested.	
		Accepted set by				
	V 400 0 -	TAKEMOTOMW on			0.5 1.11 - 4011 534 111 - 111 11	ol II
Callout	Y-103-07	11/29/2019 at 10:28:54 AM			2 Existing 48" FM on this side not shown.	Chandler
Re: Callout	Y-103-07		kmaestri	11/8/2019 13:4	4 will review and correct	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
Callant	V 102 07	TAKEMOTOMW on	TAKENAOTONAWA	10/11/2010 15:13	Describe detail for booted only a tradellation	\A/L:4-
Callout Re: Callout	Y-103-07 Y-103-07	11/29/2019 at 10:30:05 AM	R White		B Provide detail for buried valve installation. 5 Per meeting on 10/22 valves are being removed from design.	White
ive. Canout	1-103-07	Accepted set by	it winte	11/20/2015 8.0.	y ret meeting on 10/22 valves are being removed from design.	
		TAKEMOTOMW on				
Callout	Y-103-07	11/29/2019 at 10:29:34 AM	TAKEMOTOMW	10/11/2019 15:13	3 6" RW does not appear to connect to anything on this side.	Chandler
Re: Callout	Y-103-07		kmaestri	11/8/2019 13:4	5 will correct	
		Accepted set by			A self-stress of the CD self-stress CD 2 (for the transfer of the CD)	
Callout	Y-103-07	TAKEMOTOMW on 11/29/2019 at 10:29:27 AM	TAKENAOTONANA	10/11/2010 15:11	Are the two curb inlet CBs replacing existing CBs? If so, indicate the existing B CBs to be demolished. None are shown on CX-10305.	Chandler
Re: Callout	Y-103-07 Y-103-07	11/29/2019 at 10.29.27 AW	Sam Chandler		Will update CX-103-05 with demo limits of storm pipe and catch basins.	Chandler
ner canout	1 103 07	Accepted set by	Sum chanaler	10/23/2013 10:0:	,	
		TAKEMOTOMW on			Its not clear what portion of the existing 12" SD is being demolished or	
Callout	Y-103-07	11/29/2019 at 10:29:14 AM	TAKEMOTOMW		3 abandoned. No work on the existing 12" SD is shown on CX-103-05.	Chandler
Re: Callout	Y-103-07		Sam Chandler	10/29/2019 16:09	Will update CX-103-05 with demo limits of storm pipe and catch basins.	
		Accepted set by			G-080-01 shows the South Milpitas FM being re-routed to the Pie structure.	
Callant	V 104 07	TAKEMOTOMW on	TAKENAOTONANA/	10/11/2010 15:1	This sheet shows the South Milpitas FM being abandoned without any re-	\A/L:4-
Callout	Y-104-07	11/29/2019 at 10:37:25 AM	TAKEMIOTOMIW	10/11/2019 15:14	I routing. Please clarify. Per meeting on 10/22 Milpitas FMs will be connected outside of the Milpitas	White
Re: Callout	Y-104-07		R White	11/26/2019 8:0	5 Structure and a new connection to the EBOS will be made	
		Accepted set by		, ,, ,		
		TAKEMOTOMW on				
Callout	Y-104-07	11/29/2019 at 10:38:07 AM	TAKEMOTOMW	10/11/2019 15:14	Indicate to what extent, if any, the existing 66" RS will need to be removed.	Chandler
					66" RS will be removed inside new manhole after manhole is sealed to pipe	
					on the east side. 66" RS will be removed to 5' outside of the west side of new	M
Re: Callout	Y-104-07		kmaestri	11/10/2019 20:23	manhole. Demo limits for 66" pipe will be added to 90% drawings.	•
		Accepted set by		, , , , , , , , , , , , , , , , , , , ,		
		TAKEMOTOMW on				
Group	Y-104-07	11/29/2019 at 10:39:05 AM	TAKEMOTOMW	10/11/2019 15:14	1	Chandler
Re: PolyLine	Y-104-07		kmaestri	11/8/2019 13:4	7 no comment	
		Accepted set by TAKEMOTOMW on				
Callout	Y-105-07	11/29/2019 at 10:39:12 AM	TAKEMOTOMW	10/11/2019 15:11	5 Add detail for buried valve.	Chandler
Re: Callout	Y-105-07	11,23,2013 dt 10.33.12 / 11/1	kmaestri	11/8/2019 13:48		Charlater
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:40:01 AM			5 Is the cleanout intended to be on the 12" RW/WTR line?	Chandler
Re: Callout	Y-106-07	Assessed and I	Sam Chandler	10/29/2019 16:1	5 No, label will be moved to cleanout on 16" GR/OF pipe.	
		Accepted set by TAKEMOTOMW on			Grit cleanout would likely be better located in line with the long 16" GR/OF	
Callout	Y-106-07	11/29/2019 at 10:39:47 AM	TAKEMOTOMW	10/11/2019 15:1	•	Chandler
Re: Callout	Y-106-07	11, 25, 2015 at 10.55.77 AW	kmaestri		3 Additional cleanouts will be provided at upstream bends at 90%	- Amarci
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:39:29 AM			5 Not clear what this short pipe segment is.	Chandler
Re: Callout	Y-106-07		Sam Chandler	10/29/2019 16:14	Piping connections to be completed at 90%.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:41:51 AM		10/11/2019 15:15	•	Chandler
Re: Callout	Y-106-07		kmaestri	11/8/2019 13:50) will call out	
		Accepted set by				
Callaut	V 100 07	TAKEMOTOMW on 11/29/2019 at 10:41:42 AM	TAKENAOTONAVA	10/11/2010 15:15	Not sure what this line is 3	Chandlar
Callout	Y-106-07	11/29/2019 at 10.41.42 AW	TAKEIVIOTOIVIW	10/11/2019 15:15	in Not sure what this line is? Leftover linework from old facility configuration, will remove on 90%	Chandler
Re: Callout	Y-106-07		kmaestri	11/10/2019 20:23		
ner cancat	. 100 07	Accepted set by	aest	11, 10, 2013 20.20	0.	
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:41:30 AM	TAKEMOTOMW	10/11/2019 15:15	Label pipe and hydrant.	Chandler
Re: Callout	Y-106-07		kmaestri	11/8/2019 13:50) will add	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:41:24 AM	TAKEMOTOMW	10/11/2019 15:15	·	Chandler
Re: Callout	Y-106-07		kmaestri	11/8/2019 13:50) will add	
		Accepted set by				
	V 400 0=	TAKEMOTOMW on			A COLL DOLLA MATERIA	o
Callout Re: Callout	Y-106-07 Y-106-07	11/29/2019 at 10:41:16 AM	kmaestri	10/11/2019 15:15 11/8/2019 13:50		Chandler
Re: Callout	1-100-07	Assembled set by	Kmaestri	11/8/2019 13:50) will add	
		Accepted set by TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:41:09 AM	TAKEMOTOMW	10/11/2019 15:16	5.2" WTR4?	Chandler
Re: Callout	Y-106-07	11,23,2013 at 10.11.03 / 11/1	Sam Chandler		5 No, it should be shown connecting to RW/WTR3/ piping.	Chanalei
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:40:36 AM	TAKEMOTOMW	10/11/2019 15:16	6 Consider a cleanout here.	Chandler
Re: Callout	Y-106-07		kmaestri	11/8/2019 13:49	will consider	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:40:28 AM			6 Indicate fluid service 16" RW.	Chandler
Re: Callout	Y-106-07		kmaestri	11/8/2019 13:49) OK	
		Accepted set by				
Callout	Y-106-07	TAKEMOTOMW on 11/29/2019 at 10:40:26 AM	TAKENAOTONANA	10/11/2010 15:16	5 Indicate fluid service 12" RW.	Chandler
Re: Callout	Y-106-07	11/29/2019 at 10.40.20 AW	kmaestri	11/8/2019 13:49		Chandler
canout	1 100 07	Accepted set by		11,0,2013 13.43		
		TAKEMOTOMW on				
Callout	Y-106-07	11/29/2019 at 10:40:15 AM	TAKEMOTOMW	10/11/2019 15:16	5 D-100-14WS3IS shows the 42 "RS connecting next to the 108" RS	Chandler
Re: Callout	Y-106-07		kmaestri	11/8/2019 13:49		
		Accepted set by				
		TAKEMOTOMW on			Not clear what is being shown in the odor control area. Is there a canopy? If	:
Callout	Y-106-07	11/29/2019 at 10:43:11 AM	TAKEMOTOMW	10/11/2019 15:17	7 so that is not shown on the odor control sheets.	Chandler
					No canopy. Linework will be updated to reflect current configuration of	
Re: Callout	Y-106-07		Sam Chandler	10/29/2019 16:19	equipment.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Callout Re: Callout	Y-106-07 Y-106-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:42:58 AM	TAKEMOTOMW Sam Chandler		Are there two gate valves here? Is a valve necessary given there is one on 7 the downstream side of the backflow assembly? No, leader should be point to valves either side of the backflow preventer	Chandler
Cloud Callout	Y-106-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:42:39 AM	TAKEMOTOMW	10/11/2019 15:17	Fittings and valves will be added to coordinate tables on all yard piping	Chandler
Re: Cloud Callout	Y-106-07		Sam Chandler	10/29/2019 16:18	3 drawings.	
Callout	Y-106-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:42:26 AM			Confirm the valves on the 12" RW connection and backflow preventer are 7 tagged and included in the valve schedule 12" WTR3/RW and 12" WTR3 valves not included in valve schedule. Will add	Chandler
Re: Callout	Y-106-07	Accepted set by	kmaestri	11/26/2019 8:05	s to schedule for 90%.	
Callout Re: Callout	Y-106-07 Y-106-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:42:13 AM	TAKEMOTOMW kmaestri	10/11/2019 15:17 11/8/2019 13:51		Chandler
Callout Re: Callout	Y-106-07 Y-106-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:42:04 AM	TAKEMOTOMW kmaestri	10/11/2019 15:17 11/8/2019 13:51	7 Not sure what this line is for. will confirm	Chandler
Group Re: Line	Y-106-07 Y-106-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:43:48 AM	TAKEMOTOMW kmaestri	10/11/2019 15:17 11/8/2019 13:52		Chandler
Callout Re: Callout	Y-107-07 Y-107-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:45:34 AM	TAKEMOTOMW kmaestri	10/11/2019 15:18 11/8/2019 13:55	3 Lineweight error? 5 will fix	Chandler
Callout Re: Callout	Y-107-07 Y-107-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:45:19 AM	TAKEMOTOMW kmaestri	10/11/2019 15:18 11/8/2019 13:55	3 Connection details? 5 will add in 90%	Chandler
Callout Re: Callout	Y-107-07 Y-107-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:45:12 AM	TAKEMOTOMW kmaestri	10/11/2019 15:18 11/8/2019 13:55	3 3/4" FC. Length of pipe does not match D-110-14A. 5 will coordinate	Chandler
Callout Re: Callout	Y-107-07 Y-107-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:44:59 AM	TAKEMOTOMW Sam Chandler	10/11/2019 15:18 10/29/2019 16:22	B Existing? New? Label to be deleted, F/H now located adjacent to Vactor Truck Facility.	Chandler
Callout Re: Callout	Y-107-07 Y-107-07	Accepted set by TAKEMOTOMW on 11/29/2019 at 10:44:51 AM	TAKEMOTOMW kmaestri	10/11/2019 15:18 11/8/2019 13:54	B Arrow leaders not at correct location.	Chandler



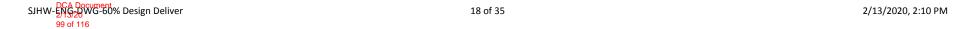
Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
	V 40= 0=	TAKEMOTOMW on			4211.22	ol II
Callout	Y-107-07	11/29/2019 at 10:44:38 AM		10/11/2019 15:18		Chandler
Re: Callout	Y-107-07	Accounted set by	Sam Chandler	10/29/2019 16:22	12" SP, will add label	
		Accepted set by TAKEMOTOMW on			Confirm installation meets separation requirements between potable and	
Cloud Callout	Y-107-07	11/29/2019 at 10:44:14 AM	TAKEMOTOMW	10/11/2019 15:18	·	Chandler
Re: Cloud Callout	Y-107-07	11, 23, 2013 at 10.1.11.7.11	kmaestri	11/8/2019 13:54		Chanaler
		Accepted set by		, , , , , , , , , , , ,		
		TAKEMOTOMW on				
Callout	Y-107-07	11/29/2019 at 10:44:03 AM	TAKEMOTOMW	10/11/2019 15:18	B Label	Chandler
Re: Callout	Y-107-07		kmaestri	11/8/2019 13:54	will do	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-107-07	11/29/2019 at 10:44:01 AM		10/11/2019 15:18		Chandler
Re: Callout	Y-107-07		kmaestri	11/8/2019 13:54	. WIII do	
		Accepted set by				
Calland	V 444 07	TAKEMOTOMW on	TAKENAOTONANA	10/11/2010 15:10		\A/ -:+-
Callout Re: Callout	Y-111-07 Y-111-07	11/29/2019 at 10:46:23 AM	R White	10/11/2019 15:18	Correct hatch to clarify pipe flange should not be demolished.	White
ite. Canout	1-111-07	Accepted set by	it write	10/14/2013 3.24	Will correct.	
		TAKEMOTOMW on				
Cloud Callout	Y-111-07	11/29/2019 at 10:46:13 AM	TAKEMOTOMW	10/11/2019 15:18	Confirm demolition of this portion of pipe is needed.	White
Re: Cloud Callout	Y-111-07	, ,, , , , , , , , , , , , , , , , , , ,	R White	10/14/2019 9:24		
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-111-07	11/29/2019 at 10:46:07 AM	TAKEMOTOMW	10/11/2019 15:19	Confirm leader is point to the right location.	White
Re: Callout	Y-111-07		R White	10/14/2019 9:23	Will correct.	
		Accepted set by				
		TAKEMOTOMW on			Confirm no flexible joint is required here similar to other large diameter pipe	
Callout	Y-107-07	11/29/2019 at 10:45:48 AM			connections at structures.	Chandler
Re: Callout	Y-107-07		Sam Chandler	10/29/2019 16:23	Confirmed.	
		Accepted set by TAKEMOTOMW on				
Callout	Y-107-07	11/29/2019 at 10:45:39 AM	TAKEMOTOMANA	10/11/2010 15:10	Key note seems misplaced.	Chandler
Re: Callout	Y-107-07	11/29/2019 at 10.43.39 AW	kmaestri	11/8/2019 13:55	· ·	Chandlei
c. Janoac	. 10, 0,	Accepted set by		11,0,2013 13.33		
		TAKEMOTOMW on				
Callout	Y-112-07	11/29/2019 at 10:46:33 AM	TAKEMOTOMW	10/11/2019 15:20	Are these the existing spool pieces and FCAs that are being reused?	White
Re: Callout	Y-112-07	•	R White		Will add note to reuse if in good condition.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-301-07	11/29/2019 at 10:48:45 AM	TAKEMOTOMW		. Resolve apparent conflict.	Chandler
Re: Callout	Y-301-07		kmaestri	11/8/2019 13:56	s will resolve	
		Accepted set by				
		TAKEMOTOMW on			D . 112	
Callout	Y-301-07	11/29/2019 at 10:50:44 AM		10/11/2019 15:21		Chandler
Re: Callout	Y-301-07		kmaestri	11/8/2019 13:57	will address in 90%	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-303-07	11/29/2019 at 10:51:07 AM			Resolve apparent conlfict.	Chandler
Re: Callout	Y-303-07		kmaestri	11/8/2019 13:58	3 OK	
		Accepted set by TAKEMOTOMW on				
Callout	Y-303-07	11/29/2019 at 10:51:11 AM	TAKEMOTOMANA	10/11/2010 15:21	Resolve apparent conlfict.	Chandler
Re: Callout	Y-303-07	11/29/2019 at 10.31.11 AW	kmaestri	11/8/2019 13:58		Chandler
ne. canout	1 303 07	Accepted set by	Killacstri	11/0/2013 13.30	,	
		TAKEMOTOMW on				
Callout	Y-304-07	11/29/2019 at 10:51:25 AM	TAKEMOTOMW	10/11/2019 15:22	Resolve apparent conflict.	Chandler
Re: Callout	Y-304-07		kmaestri	11/8/2019 14:00	ok	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-304-07	11/29/2019 at 10:51:21 AM			Resolve apparent conflict.	Chandler
Re: Callout	Y-304-07		kmaestri	11/8/2019 14:00) ok	
		Accepted set by				
Callout	Y-304-07	TAKEMOTOMW on 11/29/2019 at 10:51:17 AM	TAKENAOTONANA	10/11/2010 15:23	Possilvo annarent conflict	Chandler
Re: Callout	Y-304-07 Y-304-07	11/29/2019 at 10:51:17 AW	kmaestri	11/8/2019 14:00	? Resolve apparent conflict.	Chandler
ne. canout	1 304 07	Accepted set by	Killacstil	11/0/2013 14.00	, 61	
		TAKEMOTOMW on			How will this box be placed and connected to the existing 84" RS. Additional	
Callout	Y-501-07	11/29/2019 at 10:52:17 AM	TAKEMOTOMW	10/11/2019 15:23		Edwards
					The box will be cast-in-place over the 84" piping and the pipe inside the box	
Re: Callout	Y-501-07		dedwards	10/14/2019 10:40) will be cut out and removed. Further detail will be added to the design.	
		Accepted set by				
	V =04 0=	TAKEMOTOMW on		10/11/0010 15 00	Profile on Y-303-07 indicates the invert of the 84" RS is above the invert of	- 1
Callout Re: Callout	Y-501-07 Y-501-07	11/29/2019 at 10:51:57 AM	dedwards		B the 48" WBW. Confirm. By Will confirm the piping invert elevations and update as required.	Edwards
Ne. Callout	1-301-07	Accepted set by	ueuwarus	10/14/2019 9.40	will commit the piping invert elevations and update as required.	
		TAKEMOTOMW on				
Callout	Y-502-07	11/29/2019 at 10:52:56 AM	TAKEMOTOMW	10/11/2019 15:24	Consider replacing with a tee and eliminating the clean out just down stream	ı. Cowden
Re: Callout	Y-502-07	, ,, , , , , , , , , , , , , , , , , , ,	scowden		A cleanout tee will be provided.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	Y-502-07	11/29/2019 at 10:52:59 AM	TAKEMOTOMW		Consider replacing with a tee to facilitate cleaning.	Cowden
Re: Callout	Y-502-07		scowden	10/23/2019 15:27	7 A cleanout tee will be provided.	
		Accepted set by				
C. II.	V 502 07	TAKEMOTOMW on	TAKENAOTOA ****	40/44/2040 := 2	ret the alter that a pur	Cl II
Callout Re: Callout	Y-502-07	11/29/2019 at 10:53:09 AM		10/11/2019 15:24 11/8/2019 14:01	Fluid on this side is just RW.	Chandler
ne: Callout	Y-502-07	Accepted set by	kmaestri	11/8/2019 14:03	WIII 16301VG	
		TAKEMOTOMW on				
Callout	N-001-09	11/29/2019 at 10:53:22 AM	TAKEMOTOMW	10/11/2019 15:26	5 Tag #?	Foley
Re: Callout	N-001-09	,	Bryan Youker) No tags on manual valves until next phase.	,



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-001-09	11/29/2019 at 10:53:33 AM			5 Flow can go in both directions.	Foley
Re: Callout	N-001-09		jfoley	10/28/2019 12:19	9 Will update.	
		Accepted set by				
Calland	N 002 00	TAKEMOTOMW on	TA 1/58 4OTOR 414/	10/11/2010 15:2:	7. Flavy son so in both divertions	Falan
Callout Re: Callout	N-003-09 N-003-09	11/29/2019 at 10:53:45 AM		10/11/2019 15:2	7 Flow can go in both directions.	Foley
Re: Callout	N-003-09	Accepted set by	jfoley	10/28/2019 12:2	vviii upuate.	
		TAKEMOTOMW on				
Callout	N-005-09	11/29/2019 at 10:53:56 AM	TAKEMOTOMW	10/11/2010 15:2	7 Delete "Grit Basin Effluent" from label.	Foley
Re: Callout	N-005-09	11/25/2015 at 10.55.50 AW	Bryan Youker		I Agree. Will revise.	Toley
Text	N-005-09		DG		7 Is a MODBUS connection provided from each PLC? TYP	Foley
Re: Text	N-005-09		kmaestri	11/26/2019 8:09	•	Toley
Re: Re: Text	N-005-09		DG	2/12/2020 12:34		
ne. ne. rext	14 003 03	Accepted set by	50	2/12/2020 12:5		
		TAKEMOTOMW on				
Callout	N-005-09	11/29/2019 at 10:54:22 AM	TAKEMOTOMW	10/11/2019 15:23	7 Lahel	Foley
Re: Callout	N-005-09	11, 23, 2013 at 10.0 22 /	Bryan Youker	10/14/2019 17:02		,
ner cancac	., 555 55	Accepted set by	Di yan Toaner	10/11/2013 1710		
		TAKEMOTOMW on				
Callout	N-005-09	11/29/2019 at 10:54:11 AM	TAKEMOTOMW	10/11/2019 15:2	7 18" SCR/D	Foley
Re: Callout	N-005-09	11, 23, 2013 at 10.311	Bryan Youker		2 Agree. Will add callout.	,
		Accepted set by	,	-, ,		
		TAKEMOTOMW on				
Callout	N-005-09	11/29/2019 at 10:54:04 AM	TAKEMOTOMW	10/11/2019 15:23	7 Delete "Sceenings Handling" from label.	Foley
Re: Callout	N-005-09		Bryan Youker		Agree. Will revise	•
		Accepted set by	•			
		TAKEMOTOMW on				
Cloud Callout	N-006-09	11/29/2019 at 10:54:36 AM	TAKEMOTOMW	10/11/2019 15:23	7 Not clear which valves these are on the Yard Piping sheets.	Foley/Youker
					Agree. Will likely create another PID on Utility PID that shows the connection	n
Re: Cloud Callout	N-006-09		Bryan Youker	10/14/2019 17:00	between RW and WTR3 with the isolation valves and backflow preventer.	
	-	Accepted set by	-			
		TAKEMOTOMW on				
Callout	N-006-09	11/29/2019 at 10:54:44 AM	TAKEMOTOMW		7 Suggest "Screen" instead of "Screenings", TYP 3	Foley
Re: Callout	N-006-09		Bryan Youker	10/14/2019 17:03	3 Agree. This is Influent Screen Effluent Channel.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-007-09	11/29/2019 at 10:56:20 AM		10/11/2019 15:28		Foley
Re: Callout	N-007-09		jfoley	10/28/2019 12:23	7 Will add.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-007-09	11/29/2019 at 10:56:14 AM			3 This end should be drawn as the end of concrete channel. Flow exits via pipe	e. Foley
Re: Callout	N-007-09		kmaestri	11/8/2019 12:40) will coordinate with mechanical	
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-007-09	11/29/2019 at 10:55:23 AM	TAKEMOTOMW	10/11/2019 15:28	3 Suggest "Screen" not "Screenings"	Foley



Re: Callout N-007-09	Foley Foley
TAKEMOTOMW on	Foley
Callout N-006-09 11/29/2019 at 10:54:58 AM TAKEMOTOMW kmaestri 11/8/2019 10:34 no Accepted set by TAKEMOTOMW on 11/29/2019 at 10:56:32 AM TAKEMOTOMW kmaestri 11/8/2019 12:41 will coordinate Callout N-008-09 11/29/2019 at 10:57:30 AM TAKEMOTOMW kmaestri 11/8/2019 12:41 will coordinate Callout N-009-09 11/29/2019 at 10:57:30 AM TAKEMOTOMW kmaestri 11/8/2019 12:41 will coordinate Callout N-009-09 11/29/2019 at 10:57:30 AM TAKEMOTOMW kmaestri 11/8/2019 12:43 will correct Callout N-009-09 11/29/2019 at 10:57:34 AM TAKEMOTOMW kmaestri 11/8/2019 12:43 will correct Callout N-012-09 11/29/2019 at 10:57:44 AM TAKEMOTOMW kmaestri 11/8/2019 12:44 will coordinate with mechanical and correct as needed Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW floly 11/2019 15:29 pipe. Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW floly 11/2019 15:29 120" RS (Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW floly 11/2019 15:29 120" RS (Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW floly 11/2019 15:29 PRV then additional isolation valves are needed to isolate those items. Callout N-012-09 11/29/2019 at 10:58:32 AM TAKEMOTOMW floly 11/2019 15:29 PRV then additional isolation valves are needed to isolate those items. Callout N-012-09 11/29/2019 at 10:58:32 AM TAKEMOTOMW floly 11/2019 15:29 PRV then additional valves are needed to isolate those items. Callout N-012-09 11/29/2019 at 11:11:49 AM TAKEMOTOMW floly 11/2019 15:29 PRV then additional valves are needed to isolate those items. Callout N-012-09 11/29/2019 at 11:11:49 AM TAKEMOTOMW floly 11/2019 15:29 D120-14HW3GB shows a foul air makeup air intake near Grit Basin 6. Callout N-021-09 11/29/2019 at 11:11:49 AM TAKEMOTOMW floly 11/2019 15:29 D120-14HW3GB shows a foul air makeup air intake near Grit Basin 6. Callout N-021-09 11/29/2019 at 10:54 by	Foley
Re: Callout N-006-09	Foley
Accepted set by TAKEMOTOMW on Callout N-008-09 Re: Callout N-012-09 TAKEMOTOMW on TAKEMOTOMW on Callout N-012-09 TAKEMOTOMW on TAKEMOTOMW on TAKEMOTOMW on TAKEMOTOMW on Callout N-012-09 TAKEMOTOMW on TAKEMOTOMW on TAKEMOTOMW on TAKEMOTOMW on TAKEMOTOMW on Callout N-012-09 TAKEMOTOMW on TAKE	Foley
TAKEMOTOMW on 11/29/2019 at 10:56:32 AM TAKEMOTOMW 10/11/2019 15:28 match the configuration shown on the process sheets. Does not seem to 10/11/2019 15:28 match the configuration shown on the process mechanical drawings.	Foley
Cloud Callout N-008-09 11/29/2019 at 10:56:32 AM TAKEMOTOMW N-008-09 TAKEMOTOMW N-008-09 TAKEMOTOMW N-008-09 TAKEMOTOMW N-009-09 TAKEMOTOMW N-008-09 N-008-	Foley
Re: Cloud Callout N-008-09	Foley
Accepted set by TAKEMOTOMW on 11/29/2019 at 10:57:30 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:44 AM 1/29/2019 at 10:57:52 AM 1/29/2019 at 10	,
Callout N-009-09 11/29/2019 at 10:57:30 AM KMaestri 10:11/2019 15:29 K abbreviation for knife gate missing on VLV 9520-03 Re: Callout N-009-09	,
Re: Callout N-009-09 kmaestri 11/8/2019 12:43 will correct Accepted set by TAKEMOTOMW on This end should be drawn as the start of a concrete channel. Flow enters vi 11/8/2019 12:49 will coordinate with mechanical and correct as needed Accepted set by TAKEMOTOMW on TAKEMOTOMW 10/11/2019 15:29 pipe. Re: Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW 10/11/2019 15:29 120" RS Re: Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW 10/28/2019 12:30 Will add. Callout N-012-09 11/29/2019 at 10:58:32 AM TAKEMOTOMW 10/28/2019 12:30 Will add. Callout N-012-09 11/29/2019 at 10:58:32 AM TAKEMOTOMW 10/11/2019 15:29 PRV then additional isolation valves are needed to isolate those items. kmaestri 11/8/2019 12:44 will review and add additional valves as needed Callout N-012-09 11/29/2019 at 11:11:49 AM TAKEMOTOMW 10/11/2019 15:29 D120-14HW3GB shows a foul air makeup air intake near Grit Basin 6. kmaestri 11/8/2019 12:47 will coordinate and modify PID as needed.	,
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Re: Callout N-012-09 kmaestri 11/8/2019 12:44 will coordinate with mechanical and correct as needed Accepted set by TAKEMOTOMW on 11/29/2019 at 10:57:52 AM FOR CALLOUT TAKEMOTOMW 10/11/2019 15:29 120" RS 10/28/2019 12:30 Will add. Accepted set by TAKEMOTOMW on Not sure what the bypass line is for. If its to maintain the flow meter and 11/8/2019 12:44 will review and add additional valves are needed to isolate those items. 11/8/2019 12:44 will review and add additional valves as needed Accepted set by TAKEMOTOMW on 11/29/2019 at 11:11:49 AM FOR CALLOUT TAKEMOTOMW N-021-09 11/29/2019 12:4	
Accepted set by TAKEMOTOMW on Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW 10/11/2019 15:29 120" RS Re: Callout N-012-09 11/29/2019 at 10:57:52 AM TAKEMOTOMW 10/28/2019 12:30 Will add. Accepted set by TAKEMOTOMW on Not sure what the bypass line is for. If its to maintain the flow meter and Callout N-012-09 11/29/2019 at 10:58:32 AM TAKEMOTOMW 10/11/2019 15:29 PRV then additional isolation valves are needed to isolate those items. Re: Callout N-012-09 11/29/2019 at 10:58:32 AM TAKEMOTOMW 10/11/2019 15:29 PRV then additional valves are needed to isolate those items. 11/8/2019 12:44 will review and add additional valves as needed Accepted set by TAKEMOTOMW on Callout N-021-09 11/29/2019 at 11:11:49 AM TAKEMOTOMW Maestri 10/11/2019 15:29 D120-14HW3GB shows a foul air makeup air intake near Grit Basin 6. Re: Callout N-021-09 Accepted set by TAKEMOTOMW Accepted set by	Foley
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Accepted set by TAKEMOTOMW on Callout N-012-09 Re: Callout N-012-09 Accepted set by TAKEMOTOMW on TAKEMOTOMW 10/11/2019 15:29 PRV then additional isolation valves are needed to isolate those items. Accepted set by TAKEMOTOMW on Callout N-021-09 Accepted set by TAKEMOTOMW on Callout N-021-09 TAKEMOTOMW OR Callout N-021-09 TAKEMOTOMW TAKEMO	loley
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Callout N-021-09 11/29/2019 at 11:11:49 AM TAKEMOTOMW 10/11/2019 15:29 D120-14HW3GB shows a foul air makeup air intake near Grit Basin 6. Re: Callout N-021-09 kmaestri 11/8/2019 12:47 will coordinate and modify PID as needed. Accepted set by	
Re: Callout N-021-09 kmaestri 11/8/2019 12:47 will coordinate and modify PID as needed. Accepted set by	
Accepted set by	Foley
·	
	Falou
Callout N-022-09 11/29/2019 at 11:11:55 AM TAKEMOTOMW 10/11/2019 15:29 /RW Re: Callout N-022-09 Bryan Youker 10/14/2019 17:08 Will review and coordinate flow streams.	Foley
Accepted set by	
TAKEMOTOMW on	
Callout N-022-09 11/29/2019 at 11:12:25 AM TAKEMOTOMW 10/11/2019 15:29 This does not align with flow tags on N-025-09. Should be 70?	Foley
Re: Callout N-022-09 kmaestri 11/8/2019 12:48 will confirm and fix as required	,
Accepted set by	
TAKEMOTOMW on	
Callout N-023-09 11/29/2019 at 11:12:35 AM TAKEMOTOMW 10/11/2019 15:29 Grit Handling 1	Foley
Re: Callout N-023-09 Bryan Youker 10/14/2019 17:06 Will review and correct.	
Accepted set by	
TAKEMOTOMW on Callout N. 035.00 11/20/2010 at 11/15:01 AM. TAKEMOTOMAN, 10/11/2010 15:30 Allahal missing?	Folou
Callout N-025-09 11/29/2019 at 11:15:01 AM TAKEMOTOMW 10/11/2019 15:30 Al label missing? Re: Callout N-025-09 kmaestri 11/8/2019 12:48 will review and correct as needed	Foley
Accepted set by Accepted set by	
TAKEMOTOMW on	
Callout N-024-09 11/29/2019 at 11:12:38 AM TAKEMOTOMW 10/11/2019 15:30 Grit Handling 2	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Re: Callout	N-024-09		Bryan Youker	10/14/2019 17:07	7 Will review and correct.	
		Accepted set by				
		TAKEMOTOMW on		10/11/2010 15 00		
Group	N-033-09	11/29/2019 at 11:16:03 AM		10/11/2019 15:30		Cowden
Re: Pen	N-033-09		kmaestri	11/8/2019 12:50) no comment	
		Accepted set by TAKEMOTOMW on				
Callout	N-033-09	11/29/2019 at 11:16:08 AM	TAKEMOTOMW	10/11/2010 15:30	Revise to match physical configuration.	Cowden
Re: Callout	N-033-09	11/25/2015 at 11.10.06 AW	scowden) PID will be revised to match physical configuration.	Cowden
Ne. Canout	14-033-03	Accepted set by	scowden	10/25/2015 15.25	, The will be revised to materi physical configuration.	
		TAKEMOTOMW on				
Callout	N-033-09	11/29/2019 at 11:16:14 AM	TAKEMOTOMW	10/11/2019 15:30) Label	Cowden
Re: Callout	N-033-09	,,	scowden) Label will be added.	
		Accepted set by				
		TAKEMOTOMW on			Confirm these valves are needed. Other means of isolation are available	
Callout	N-034-09	11/29/2019 at 11:16:46 AM	TAKEMOTOMW	10/11/2019 15:31	upstream and downstream.	Cowden
Re: Callout	N-034-09		scowden	10/23/2019 15:31	Valves should be provided for isolating basket strainer.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-034-09	11/29/2019 at 11:16:53 AM	TAKEMOTOMW	10/11/2019 15:31	2-1/2" BR?	Cowden
Re: Callout	N-034-09		kmaestri	11/8/2019 12:51	will confirm	
		Accepted set by				
		TAKEMOTOMW on			Confirm this configuration. As drawn it will allow all water to drain out of the	e
Callout	N-034-09	11/29/2019 at 11:17:09 AM			odor control tower.	Cowden
Re: Callout	N-034-09		scowden	10/23/2019 15:33	3 Configuration will be corrected to match physical layout.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-038-09	11/29/2019 at 11:17:18 AM			2 15" on process mech drawings	Edwards
Re: Callout	N-038-09		dedwards	10/14/2019 10:44	Will update the P&ID to match Process and Yard piping drawings.	
		Accepted set by TAKEMOTOMW on				
Callout	N-038-09	11/29/2019 at 11:17:30 AM	TAKENAOTONAWA	10/11/2010 15:23	This line goes into the manhole on yard piping sheets.	Edwards
Re: Callout	N-038-09	11/25/2015 at 11.17.50 AW	dedwards		Will update the P&ID to match yard piping.	Lawarus
ne. canoac	14 030 03	Accepted set by	acawaras	10/11/2015 10:15	,	
		TAKEMOTOMW on			This line goes directly into the PS wet well on process mech and yard piping	
Callout	N-038-09	11/29/2019 at 11:17:39 AM	TAKEMOTOMW	10/11/2019 15:32	! sheets (i.e. not through a manhole first)	Edwards
Re: Callout	N-038-09	, , , , , , , , , , , , , , , , , , , ,	dedwards		Will revise the P&ID to match Process and Yard piping.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	N-039-09	11/29/2019 at 11:17:47 AM	TAKEMOTOMW	10/11/2019 15:32	2 Complete	Foley
Re: Callout	N-039-09		Bryan Youker	10/14/2019 17:06	S Agree. Will complete connector.	
		Accepted set by				
		TAKEMOTOMW on			Is the intent to leave the Pie structure open, i.e. no grating on top? If so	
Callout	D-120-11E	11/29/2019 at 11:18:06 AM	TAKEMOTOMW	10/11/2019 15:33	B should this be removable railing for maintenance access?	White
					Intent is to leave the top of the pie structure open. Will coordinate	
Re: Callout	D-120-11E		R White	10/14/2019 9:40	removable handrail.	



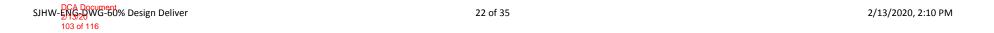
2/13/2020, 2:10 PM



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on			Confirm pumping to this elevation does not impact the Milpitas FM	
Callout	D-120-11E	11/29/2019 at 11:18:19 AM		10/11/2019 15:34	·	White
Re: Callout	D-120-11E	A secreted set by	R White	10/14/2019 9:40) Will do.	
		Accepted set by TAKEMOTOMW on				
Cloud Callout	D-120-11E	11/29/2019 at 11:18:32 AM	TAKEMOTOMW	10/11/2019 15:34	Confirm how this cantilevered pipe will be supported.	White
Re: Cloud Callout	D-120-11E	11, 23, 2013 at 11110.02 /	R White	• •	Detail to be added at 90%	vviiice
		Accepted set by				
		TAKEMOTOMW on			Water level in Pie structure is EL 4 to 6. Suggest having the discharge pipe	
Callout	D-120-11E	11/29/2019 at 11:18:45 AM	TAKEMOTOMW	10/11/2019 15:34	extend below the water surface. Same comment for Milpitas FM line.	White
Re: Callout	D-120-11E		R White	10/14/2019 9:41	. Will do.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-120-11E	11/29/2019 at 11:18:55 AM			Confirm a vent is not needed on this line.	White
Re: Callout	D-120-11E	Accepted set by	R White	10/14/2019 9:41	. Will verify	
		TAKEMOTOMW on				
Callout	D-120-11E	11/29/2019 at 11:19:03 AM	TAKEMOTOMW	10/11/2019 15:34	Confirm saddle footing location shown versus existing grade.	White
Re: Callout	D-120-11E	11,23,2013 at 11113.03 /	R White	10/14/2019 9:41		
		Accepted set by				
		TAKEMOTOMW on				
Callout	X-110-1P	11/29/2019 at 11:19:15 AM	TAKEMOTOMW	10/11/2019 15:35	Unclear if this existing or part of this project.	White
Re: Callout	X-110-1P		R White	10/14/2019 9:45	Will clarify.	
		Accepted set by				
C.II.	D 420 4B	TAKEMOTOMW on	TAKENAOTONANA	40/44/2040 45 20	As written it is not clear if capping the 82" is part of this contract or if it has	14(1.2)
Callout Re: Callout	D-120-1P D-120-1P	11/29/2019 at 11:19:38 AM	R White	10/11/2019 15:36	is already been capped. Clarify.	White
Re. Callout	D-120-1F	Accepted set by	K Willte	10/14/2019 9.47	will clairly.	
		TAKEMOTOMW on			Section cut arrow should be facing opposite direction based on the view	
Callout	D-120-1P	11/29/2019 at 11:20:19 AM	TAKEMOTOMW	10/11/2019 15:36	s shown on D-301-1P	White
Re: Callout	D-120-1P		R White	10/14/2019 9:47	Will correct.	
		Accepted set by				
		TAKEMOTOMW on			Additional details are needed on the existing wall thimble/or penetration at $% \left(1\right) =\left(1\right) \left(1$	
Callout	D-301-1P	11/29/2019 at 11:20:32 AM			this location to confirm how the new 96" RS line will be connected.	White
Re: Callout	D-301-1P		R White	10/14/2019 9:48	g Will add at 90%	
		Accepted set by				
Callout	D 201 1D	TAKEMOTOMW on	TAVENACTORANA	10/11/2010 15:20	: Has it been confirmed that this gate is in working order?	White
Callout Re: Callout	D-301-1P D-301-1P	11/29/2019 at 11:20:48 AM	R White		Has it been confirmed that this gate is in working order? See Facility Condition Assessment for evaluation.	White
ne. canout	D 201-11	Accepted set by	1. WHITEC	10/ 17/ 2019 3.31	. 222. 22, Consistent accessment of Cyanadioni	
		TAKEMOTOMW on				
Callout	D-301-1P	11/29/2019 at 11:20:52 AM	TAKEMOTOMW	10/11/2019 15:36	Top of wall elevation?	White
Re: Callout	D-301-1P		R White	10/14/2019 9:51		
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-301-1P	11/29/2019 at 11:21:01 AM			Ground elevation?	White
Re: Callout	D-301-1P		R White	10/14/2019 9:51	. WIII add.	



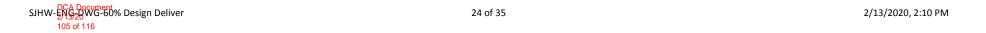
White
White
Scoggins
Scoggins
White
Chandler
Edwards
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Scoggins
White
Scoggins
s



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
	_				All sections will need to be lowered. If only 1 or 2 are lowered, plant influent	
Re: Callout	X-110-1B		R White	10/14/2019 9:57	may flow to the Junction Box at peak flows.	
		Accepted set by				
.	5 400 4011110	TAKEMOTOMW on		10/11/2010 15 00		and to
Callout	D-120-12HW2	11/29/2019 at 11:23:31 AM			How will new pipe connect to existing?	White
Re: Callout	D-120-12HW2	A	R White	10/14/2019 9:57	Will add detail at 90% if kept in design.	
		Accepted set by				
C. II	D 420 4211142	TAKEMOTOMW on	TAL/5140T01414	40/44/2040 45 20	Data illa face homical control	AARLS)
Callout	D-120-12HW2	11/29/2019 at 11:23:35 AM		, ,	Details for buried valve. Will add detail at 90% if kept in design.	White
Re: Callout	D-120-12HW2	Assembled set by	R White	10/14/2019 9:58	will add detail at 30% if kept iii design.	
ĺ		Accepted set by TAKEMOTOMW on				
Callout	D 110 12DECVD\$1	11/29/2019 at 11:23:45 AM	TAKENAOTONAWA	10/11/2010 15:40	Pipe supports needed.	Edwards
Re: Callout	D-110-12RECYPS1	11/29/2019 at 11.23.43 AW	dedwards		Pipe supports freeded. Pipe supports will be design post 60%	Euwarus
ne. canoat	5 110 12NLCIF31	Accepted set by	acawaias	10/14/2013 10.43		
I		TAKEMOTOMW on				
Callout	X-110-14A	11/29/2019 at 11:24:03 AM	TAKEMOTOMW	10/11/2019 15:41	Confirm approximate diameter of concrete plug.	Scoggins
Re: Callout	X-110-14A X-110-14A	11, 23, 2013 at 11.27.03 AW	Iscoggin		Will have to be verified during construction	300bgiii3
ne. canout	110 1-1/1	Accepted set by		10, 10, 2010 13.23		
		TAKEMOTOMW on				
Callout	X-110-14A	11/29/2019 at 11:23:50 AM	TAKEMOTOMW	10/11/2019 15:41	Confirm dimension.	Scoggins
Re: Callout	X-110-14A	,,	Iscoggin	10/15/2019 13:23		
Callout	X-110-14A		DG		Call out EBOS compartment names	Scoggins
Re: Callout	X-110-14A		Iscoggin		Not necessary for work on this drawing	- 50
Re: Re: Callout	X-110-14A		DG		Put naming on base layer, shaded back is fine.	
Cloud Callout	X-110-14A		DG	10/11/2019 15:41	Where are all the other influent pipes?	Scoggins
Re: Cloud Callout	X-110-14A		Iscoggin		Not pertinent to work on this drawing	
					Some pipes are shown, some are not. Keep base layer the same for all	
Re: Re: Cloud Callout	X-110-14A		DG	2/12/2020 12:36	drawings.	
		Accepted set by				
I		TAKEMOTOMW on				
Callout	S-110-14A	11/29/2019 at 11:24:28 AM	TAKEMOTOMW	10/11/2019 15:41	Is this wall needed?	Youker
					Per recent CFD modeling, it appears the wall does more harm than good. We	9
					are currently evaluating a baffle wall that is located 180-deg from this	
			_		location (between Interceptor 4 and future interceptor). A baffle in this	
Re: Callout	S-110-14A		Bryan Youker	11/8/2019 13:33	location may prevent buildup near the Return Pump's discharge.	
		Accepted set by				
		TAKEMOTOMW on			0.6	
Callout	D-110-14A	11/29/2019 at 11:24:43 AM			Confirm plug valves are desired for WTR3/RW.	Youker
Re: Callout	D-110-14A		Bryan Youker	10/14/2019 14:59	Can revise plug valves to butterfly valves.	
		Accepted set by				
C-11+	D 204 4 4 4	TAKEMOTOMW on	TAKENACTORA	10/11/2010 15 10	Confining to the south and south and the south to the	\A/ -:4-
Callout	D-301-14A	11/29/2019 at 11:24:52 AM			Confusing to show the actuator, but not the gate below.	White
Re: Callout	D-301-14A	A	R White	10/14/2019 9:58	vviii ciarriy.	
1		Accepted set by				
Callout	D 201 144	TAKEMOTOMW on	TAVENACTORALA	10/11/2010 15:42	Connection?	White
Callout	D-301-14A	11/29/2019 at 11:25:04 AM		10/11/2019 15:43		White
Re: Callout	D-301-14A		R White	10/14/2019 9:58	Will note connection.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on			As drawn, the pipe segment has a MJ end and a flanged end, which will	
Callout	D-301-14A	11/29/2019 at 11:25:25 AM	TAKEMOTOMW	10/11/2019 15:44	Frequire a larger core drill through the wall.	White
					Noted - this piping will be modified to discharge below the water surface,	
Re: Callout	D-301-14A		R White	10/14/2019 10:00	eliminating this issue.	
		Accepted set by				
.	5 004 444	TAKEMOTOMW on				and to
Callout	D-301-14A	11/29/2019 at 11:38:49 AM		10/11/2019 15:44		White
Re: Callout	D-301-14A		R White	10/14/2019 10:06	6 WIII add.	
		Accepted set by				
Calland	D 201 144	TAKEMOTOMW on	TAKEN 40TON 414/	10/11/2010 15:11	1. Commontion, data: 12	\A/L:+-
Callout	D-301-14A	11/29/2019 at 11:38:58 AM		10/11/2019 15:42	1 Connection detail?	White
Re: Callout	D-301-14A	A	R White	10/14/2019 10:00	y Will add at 50%.	
		Accepted set by TAKEMOTOMW on				
Calland	D 201 144		TAKEN 40TON 414/	10/11/2010 15:11	1.43" CD on plan view	\A/ -!+-
Callout Re: Callout	D-301-14A D-301-14A	11/29/2019 at 11:39:06 AM		10/11/2019 15:42	1 12" SP on plan view.	White
Re: Callout	D-301-14A	Assessed set by	R White	10/14/2019 10:00	y will correct.	
		Accepted set by TAKEMOTOMW on				
Callout	D-301-14A		TAKENAOTONAVA	10/11/2010 15:44	1. Ding invert /contarling claustians?	White
Re: Callout	D-301-14A D-301-14A	11/29/2019 at 11:39:11 AM	R White	10/11/2019 15:42	Pipe invert/centerline elevations?	wnite
Ne. Callout	D-301-14A	Accepted set by	K Willte	10/14/2019 10.0	vviii add at 5070	
		TAKEMOTOMW on				
Text	D-301-14A	11/29/2019 at 11:39:19 AM	TAKENAOTONANA	10/11/2010 15:44	Pipe support details are needed, typ.	White
Re: Text	D-301-14A D-301-14A	11/25/2015 at 11.55.15 AW	R White	10/14/2019 10:07		vviiite
ne. rext	D 301 14A	Accepted set by	IV WITHCE	10/14/2013 10:07	VIII 444 4(56/5	
		TAKEMOTOMW on				
Callout	C-100-14B	11/29/2019 at 11:39:28 AM	TAKEMOTOMW	10/11/2019 15:49	5 Confirm extents where detail 5 should be used versus detail 2.	Chandler
Re: Callout	C-100-14B	11/25/2015 at 11.55.26 AW	kmaestri	11/8/2019 9:26		Chanaici
ne. canoac	C 100 14B		Kindestri	11/0/2013 3.20	What loading was assumed to reduce the concrete thickness to 4-inches?	
Cloud Callout	C-100-14B		DG	10/11/2019 15:49	5 What City equipment was assumed to be used in the basin?	Chandler
Re: Cloud Callout	C-100-14B		Sam Chandler		7 Further refining of the liner will be done at 90%.	Chanaler
Re: Re: Cloud Callout	C-100-14B		DG		5 Provide calculations prior to 90% deliverable.	
		Accepted set by		_,, 1020 12:00	• • • • • • • • • • • • • • • • • • • •	
		TAKEMOTOMW on				
Callout	C-301-14B	11/29/2019 at 11:39:50 AM	TAKEMOTOMW	10/11/2019 15:45	5 Ridge does not appear to be centered. How will location be determined?	Chandler
		, .,		-, ,	Crown of road is centered. Section view cuts off outside edge of road, will	
					update at 90%. Grading not changing, existing crown location will be	
Re: Callout	C-301-14B		Sam Chandler	10/29/2019 16:27	7 matched.	
		Accepted set by		•		
		TAKEMOTOMW on				
Callout	C-301-14B	11/29/2019 at 11:40:02 AM	TAKEMOTOMW	10/11/2019 15:45	Is there a detail for the 4" thick liner sections?	Chandler
Re: Callout	C-301-14B		Sam Chandler		3 Yes, see detail 1 on C-501-14B	
		Accepted set by				
		TAKEMOTOMW on			If there is a curb here where does runoff go? Per grading plans, drainage is	
Callout	C-501-14B	11/29/2019 at 11:40:20 AM	TAKEMOTOMW	10/11/2019 15:45	5 slope to the curb.	Chandler
		•			Curb cutouts will be provided to allow drainage into EOB. Additional detail	
Re: Callout	C-501-14B		Sam Chandler	10/29/2019 16:29	to be provided at 90%.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-101-14HW3IS	11/29/2019 at 11:40:29 AM		10/11/2019 15:46	•	Youker
Re: Callout	D-101-14HW3IS		Bryan Youker	10/14/2019 15:11	Will coordinate flow streams.	
		Accepted set by				
Callout	D-101-14HW3IS	TAKEMOTOMW on 11/29/2019 at 11:40:33 AM	TAKEMOTOMW	10/11/2019 15:46	Complete detail	Youker
Re: Callout	D-101-14HW3IS	11/25/2015 at 11.40.55 AW	Bryan Youker		Will complete std detail callouts.	Toukei
ne. canoac	D 101 1411V313	Accepted set by	Bryan roaker	10/14/2015 15:12		
		TAKEMOTOMW on				
Callout	D-102-14HW3IS	11/29/2019 at 11:40:57 AM	TAKEMOTOMW	10/11/2019 15:47	Label	Youker
					Typically do not label piping on outside of matchlines. Will review final	
Re: Callout	D-102-14HW3IS		Bryan Youker	10/14/2019 15:13	presentation and make sure no conflicting into and include.	
		Accepted set by				
		TAKEMOTOMW on			As depicted the discharge chutes are not long enough to deposit material	
Callout	D-110-14HW3IS	11/29/2019 at 11:41:14 AM			into the dumpsters. Extend.	Youker
Re: Callout	D-110-14HW3IS		Bryan Youker	10/14/2019 15:14	Will revise model to include longer discharge tubes.	
		Accepted set by				
Callant	D 444 4411W21C	TAKEMOTOMW on	TAKENAOTONAVA	10/11/2010 15:47	Takal	Vandon
Callout	D-111-14HW3IS	11/29/2019 at 5:40:23 PM	TAKEMOTOMW	10/11/2019 15:47	Typically try to have minimal annotation for an area that is presented on	Youker
					another drawing as a detail. Usually only callout equipment and	
Re: Callout	D-111-14HW3IS		Bryan Youker	10/14/2019 15:15		
Ne. canout	D 111 14(1V)3(3	Accepted set by	bi yani roakei	10/14/2013 13:13		
		TAKEMOTOMW on			Suggest adding a hose bib and rack on this side for cleaning the front of the	
Callout	D-111-14HW3IS	11/29/2019 at 5:40:37 PM	TAKEMOTOMW	10/11/2019 15:47		Youker
Re: Callout	D-111-14HW3IS	, ,	Bryan Youker		Agree. Can add to front side of screens.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-112-14HW3IS	11/29/2019 at 5:41:03 PM	TAKEMOTOMW	10/11/2019 15:47	Label	Youker
Re: Callout	D-112-14HW3IS		Bryan Youker	10/14/2019 15:16	Will add annotation.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-112-14HW3IS	11/29/2019 at 5:41:56 PM	TAKEMOTOMW		Suggest removing canopy beams from this view for clarity.	Youker
Re: Callout	D-112-14HW3IS	A	Bryan Youker	10/14/2019 15:17	Will review presentation.	
		Accepted set by			Confirm the dumpeter truck can connect to and remove the him where this all	
Callout	D-112-14HW3IS	TAKEMOTOMW on 11/29/2019 at 5:47:23 PM	TAKEMOTOMW	10/11/2010 15:47	Confirm the dumpster truck can connect to and remove the bin when it is all the way into the structure.	Youker
Re: Callout	D-112-14HW3IS	11/23/2013 at 3.47.23 PIVI	Bryan Youker		Truck should be able to "drag" dumpster to front, then tip up on to truck.	TOUNET
ne. canout	D 112 1711VV3I3	Accepted set by	Di yuni Toukei	10/17/2013 13.22	and a support to many them top up on to track	
		TAKEMOTOMW on				
Callout	D-301-14HW3IS	11/29/2019 at 5:47:36 PM	TAKEMOTOMW	10/11/2019 15:47	Cleanout is not accessible due to overhang above.	Youker
Re: Callout	D-301-14HW3IS	. ,	Bryan Youker		Will review and try to improve access or location of clean out.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-301-14HW3IS	11/29/2019 at 5:47:58 PM	TAKEMOTOMW	10/11/2019 15:47		Youker
Re: Callout	D-301-14HW3IS		Bryan Youker	10/14/2019 15:23	Will coordinate final flowstreams callouts.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Callout	D-301-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:48:16 PM	TAKEMOTOMW	10/11/2019 15:47	Will 2" WTR3/RW line be supported by the sluice? Is so need to require that 7 feature in the specs. Intent was to route 2" WTR3 under sluice on same supports. Depending on sluice support spacing, may need additional supports. Will include	Youker
Re: Callout	D-301-14HW3IS		Bryan Youker	10/14/2019 15:28	description in spec.	
		Accepted set by TAKEMOTOMW on				
Callout	D-301-14HW3IS	11/29/2019 at 5:48:28 PM	TAKEMOTOMW	10/11/2019 15:47	No supports for the sluice are shown on the drawings. Correct. Suppports will be shown in next phase. Supports may not be	Youker
Re: Callout	D-301-14HW3IS		Bryan Youker	10/14/2019 15:29	suppliers final layout.	
Callout	D-301-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:48:34 PM	TAKEMOTOMW	10/11/2019 15:47	⁷ Label	Youker
Re: Callout	D-301-14HW3IS		Bryan Youker	10/14/2019 15:30) Will review presentation. Pipe is called on on detail, which may be adequate	
Callout	D-301-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:48:47 PM	TAKEMOTOMW	10/11/2019 15:47	Can damper just be closed instead of using the BF?	Youker
Re: Callout	D-301-14HW3IS		Bryan Youker	10/14/2010 15:21	Will review. Could also install BF and no damper. Then when duct is put to use, damper be added.	
Callout Re: Callout	D-301-14HW3IS D-301-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:49:02 PM	TAKEMOTOMW Bryan Youker	10/11/2019 15:47		Youker
Callout Re: Callout	D-301-14HW3IS D-301-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:49:13 PM	TAKEMOTOMW Bryan Youker	10/11/2019 15:48	B Material change? 2 Yes. Should be standard detail callout .	Youker
Callout Re: Callout	D-302-14HW3IS D-302-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:59:13 PM	TAKEMOTOMW	10/11/2019 15:48	Will review with Huber. They currently show a flared rectangular section on sluice and a feed into into with a small air gap around the screen discharge	Youker
Re: Callout	D-302-14HW3IS	Accepted set by	Bryan Youker	10/14/2019 16:27	cliute.	
Callout Re: Callout	D-302-14HW3IS D-302-14HW3IS	TAKEMOTOMW on 11/29/2019 at 5:58:56 PM	TAKEMOTOMW Bryan Youker		B Callout invert elevations. S Will add during next phase of Design.	Youker
Callout	D-501-14HW3IS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:59:35 PM	TAKEMOTOMW	10/11/2019 15:48	3 Not sure what these tabs are.	Youker
Re: Callout	D-501-14HW3IS		Bryan Youker	10/14/2019 16:29	Modeling feature that should have been turned off. Will turn off next phase.	
Callout Re: Callout	D-100-14HW3PS D-100-14HW3PS	Accepted set by TAKEMOTOMW on 11/29/2019 at 5:59:45 PM	TAKEMOTOMW scrook		3 Only one 1 1/2" WTR3/RW connections is shown on Y-106-07 L This will be coordinated in 90%.	Crook



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-100-14HW3PS	11/29/2019 at 5:59:49 PM	TAKEMOTOMW	10/11/2019 15:48		Crook
Re: Callout	D-100-14HW3PS	Accepted set by	scrook	10/15/2019 10:22	notea.	
		TAKEMOTOMW on				
Callout	D-100-14HW3PS	11/29/2019 at 5:59:59 PM	TAKEMOTOMW	10/11/2019 15:48	3 Not shown on Y-106-07	Crook
Re: Callout	D-100-14HW3PS		scrook		2 This will be coordinated in 90%.	
		Accepted set by				
		TAKEMOTOMW on			Not clear why the FA connection on the wet well side is configured	
Callout	D-120-14HW3PS	11/29/2019 at 6:03:48 PM	TAKEMOTOMW	10/11/2019 15:49	9 differently than the other, similar, connection on pumps 4 and 5.	Crook/Cowden
D. C.II.	D 420 441042DC		1	40/45/2040 40 40	The difference is in order to avoid a structural beam with the deck	
Re: Callout	D-120-14HW3PS	Assented set by	scrook	10/15/2019 10:13	g penetration.	
		Accepted set by TAKEMOTOMW on				
Callout	D-120-14HW3PS	11/29/2019 at 6:03:57 PM	TAKEMOTOMW	10/11/2019 15:49	Are these openings for stop gates? If so are guides to be provided?	Crook
	2 120 1			10, 11, 2013 13.13	These are openings for stop gates. Per 10/22 meeting these are supposed to	0 .00.
Re: Callout	D-120-14HW3PS		scrook	11/26/2019 8:06	5 be added to the scope of work.	
		Accepted set by				
		TAKEMOTOMW on			Suggest sliding the stairs to the west to increase the clearance between the	
Cloud Callout	D-120-14HW3PS	11/29/2019 at 6:04:20 PM	TAKEMOTOMW	10/11/2019 15:49	9 stairs and Gate 14GTE9650-05	Crook/Pieterick
Re: Cloud Callout	D-120-14HW3PS		a a ma a le	10/15/2010 10:15	Stairs will be moved west as much as possible without impacting other stacility requirements.	
Re. Cloud Callout	D-120-14HW3P3	Accepted set by	scrook	10/15/2019 10.13	s facility requirements.	
		TAKEMOTOMW on			Suggest moving the label "Flushing" from the top of page to here next to	
Callout	D-120-14HW3PS	11/29/2019 at 6:04:35 PM	TAKEMOTOMW	10/11/2019 15:49	the related detail.	Crook
Re: Callout	D-120-14HW3PS		scrook	10/15/2019 10:24		
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-120-14HW3PS	11/29/2019 at 6:04:39 PM	TAKEMOTOMW	10/11/2019 15:49		Crook
Re: Callout	D-120-14HW3PS	A	scrook	10/15/2019 10:24	1 Notea.	
		Accepted set by TAKEMOTOMW on				
Callout	D-120-14HW3PS	11/29/2019 at 6:04:53 PM	TAKEMOTOMW	10/11/2019 15:49	Not sure what this is? Seems to be in the main walkway.	Crook
Canout	D 120 1411V313	11, 23, 2013 at 0.01.33 1 11	TAILE IN COLUMN	10/11/2015 15.45	This is a stanchion for an electrical panel, which should be adjacent the	CIOOK
Re: Callout	D-120-14HW3PS		scrook	10/15/2019 10:25	handrail and not in the walkway. This will be corrected in 90% design.	
		Accepted set by		<u> </u>		
		TAKEMOTOMW on				
Callout	D-120-14HW3PS	11/29/2019 at 6:05:02 PM	TAKEMOTOMW	10/11/2019 15:49		Crook
Re: Callout	D-120-14HW3PS	Assented set by	scrook	10/15/2019 10:25	5 This is restrained, see 40 27 01 for the product identified for this use.	
		Accepted set by TAKEMOTOMW on				
Callout	D-401-14HW3PS	11/29/2019 at 6:07:24 PM	TAKEMOTOMW	10/11/2019 15:50	Need to provide height/depth required for p-trap.	Crook
Re: Callout	D-401-14HW3PS	11, 13, 2013 at 0.07.24 1 W	scrook		7 Will be included in detailed design.	5. 55K
					Is this the extent of the monorail? How will equipment be removed from the	2
		Accepted set by			bottom floor of the grit room? Seems like a monorail is needed the full	
		TAKEMOTOMW on			length of the building and there needs to be a way to get equipment up to	
Cloud Callout	S-121-14HW3GB	11/29/2019 at 7:13:54 PM	TAKEMOTOMW	10/11/2019 15:50	this platform.	Scoggins



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
		Accepted set by				
		TAKEMOTOMW on				
		11/29/2019 at 6:07:36				
		PM Accepted set by				
İ		TAKEMOTOMW on				
I		11/29/2019 at 7:13:31				
ĺ		PM None set by TAKEMOTOMW on				
Day Clavel Callant	C 424 4411W2CD	11/29/2019 at 7:13:35 PM	laaa aata	11/20/2010 0:00	Will review	
Re: Cloud Callout	S-121-14HW3GB		Iscoggin	11/26/2019 8:08		
ĺ		Accepted set by TAKEMOTOMW on			Consider adding a equipment access doorway here and extending the monorail outside to facilitate the pickup of equipment from outside the	
Cloud Callout	D-101-14HW3GB	11/29/2019 at 6:07:52 PM	TAKEMOTOMW	10/11/2019 15:50		Youker
Cloud Callout	D-101-1411W3GB	11/29/2019 at 0.07.32 FIVI	TAKLIVIOTOIVIV	10/11/2019 13.30	The south side (where pointing) is constricted and limited for fire truck	Touker
ĺ					access. We were worried about man-door swing, but a seldom used roll-up	
Re: Cloud Callout	D-101-14HW3GB		Bryan Youker	10/14/2019 16:31	door may be feasible.	
		Accepted set by	,	-, ,	·	
1		TAKEMOTOMW on				
Callout	D-102-14HW3GB	11/29/2019 at 6:26:05 PM	TAKEMOTOMW	10/11/2019 15:50) Label	Youker
Re: Callout	D-102-14HW3GB		Bryan Youker	10/14/2019 16:34	Agree. will label.	
		Accepted set by				
ĺ		TAKEMOTOMW on				
Callout	D-103-14HW3GB	11/29/2019 at 6:26:17 PM	TAKEMOTOMW		Confirm dumpsters will have wheel stops or curbs.	Youker
Re: Callout	D-103-14HW3GB		Bryan Youker	10/14/2019 16:35	Will have similar detail as Screenings Dumpster rails.	
ĺ					Flow is not well distributed in the influent channel. Given the large size of	
ĺ		Accepted set by			the channel flow velocities will be low. Its likely a significant amount of grit	
Calland	D 420 441114/20D	TAKEMOTOMW on	TAKENAOTONANA/	10/11/2010 15:50	will deposit in the corner where there will be less turbulence from the pump	Vandona
Callout	D-120-14HW3GB	11/29/2019 at 6:26:51 PM	TAKEMOTOMW	10/11/2019 15:50	discharge. Cleaning out this area will require shutting down HW3. Will be reviewing this area with CFD modeling. If required can add concrete	Youker
Re: Callout	D-120-14HW3GB		Bryan Youker	10/14/2019 16:39	o fillets along Grid H, and perhaps additional fillet at Grids 4-5	
		Accepted set by			3 , 1 1	
ĺ		TAKEMOTOMW on			For FA, this will be an area with high H2S emissions, but appear to be a	
Callout	D-120-14HW3GB	11/29/2019 at 6:29:19 PM	TAKEMOTOMW	10/11/2019 15:50	stagnant area in terms of air flow. No FA or intake are connections.	Youker
ĺ					Will review. If we provide access per other comment, a portion could be	
Re: Callout	D-120-14HW3GB		Bryan Youker	10/14/2019 16:40	grating to allow air in.	
		Accepted set by				
1		TAKEMOTOMW on				
Callout	D-301-14HW3GB	11/29/2019 at 6:29:33 PM	TAKEMOTOMW	10/11/2019 15:51	·	Youker
Re: Callout	D-301-14HW3GB	A	Bryan Youker	10/14/2019 16:42	Will coordinate final flow stream.	
1		Accepted set by				
Callout	D 201 1411W2CB	TAKEMOTOMW on	TAVENACTORANA	10/11/2010 15:51	The bettem cane area is filled with growt	Voukor
Callout Re: Callout	D-301-14HW3GB D-301-14HW3GB	11/29/2019 at 6:29:51 PM	TAKEMOTOMW Bryan Youker		. The bottom cone area is filled with grout. SYes. Structural drawings include shaping.	Youker
ne. Canout	D-301-14UM30B	Accepted set by	ы уан тоикег	10/14/2019 10:43	Test strattara arawings include shaping.	
1		TAKEMOTOMW on			Invert of gate/top of floor is EL 14. Gate is listed as 72" tall = EL 20.	
Callout	D-301-14HW3GB	11/29/2019 at 6:30:06 PM	TAKEMOTOMW	10/11/2019 15:51	Hydraulic profile shows WS EL up to EL. 23.44. Gate is too short. TYP 6.	Youker
	,	, -,		-,, 20:02	Agree will make gate taller. Note that maximum hydraulic gradeline when	
					treating 260 mgd, and all grit basins in service. So isolate gates will not be in	
Re: Callout	D-301-14HW3GB		Bryan Youker	10/14/2010 16:45	down position. Will coordinate overall height of gate.	



Subject	Page Label	Status	Author	Date Comments		Assigned Responder	
		Accepted set by					
Text	D-301-14HW3GB	TAKEMOTOMW on 11/29/2019 at 6:30:17 PM	TAKEMOTOMW	10/11/2010 15:5:	1 No pipe supports are shown on this sheet.	Youker	
Re: Text	D-301-14HW3GB	11/29/2019 at 0.30.17 FW	Bryan Youker		1 No pipe supports are shown on this sheet. 1 Pipe support design will be part of next phase of design.	Touker	
		Accepted set by	•				
<u>.</u>		TAKEMOTOMW on			Suggest routing the 4" WTR3 from the 12" WTR3/RW to the west. Otherwise		
Callout Re: Callout	D-302-14HW3GB D-302-14HW3GB	11/29/2019 at 6:30:33 PM	TAKEMOTOMW Bryan Youker		2 suggest routing above grade instead of buried. 2 Will review routing. Wanted an isolation valve for the whole facility.	Youker	
Ne. Callout	D-302-14HW3GB	Accepted set by	Bryan Touker	10/28/2019 14.5	z will review routing. Wanted an isolation valve for the whole facility.		
		TAKEMOTOMW on			What pipe material is being shown for the GR/OF? SS? Need to add some		
Callout	D-302-14HW3GB	11/29/2019 at 6:30:47 PM	TAKEMOTOMW		2 joints for disassembly.	Youker	
Re: Callout	D-302-14HW3GB		Bryan Youker	10/28/2019 14:53	3 Will revise pipe material and/or coordinate with pipe schedule.		
		Accepted set by TAKEMOTOMW on					
Group	D-302-14HW3GB	11/29/2019 at 6:31:14 PM	TAKEMOTOMW	10/11/2019 15:52	2	Youker	
Re: Line	D-302-14HW3GB	, .,	kmaestri		5 no response needed		
		Accepted set by					
	5 000 4 4 11 11 10 05	TAKEMOTOMW on				W 1	
Callout	D-302-14HW3GB	11/29/2019 at 6:31:24 PM	TAKEMOTOMW	10/11/2019 15:52	2 Add elevation. Will add. Also considering deleting this section and providing a more useful	Youker	
Re: Callout	D-302-14HW3GB		Bryan Youker	10/14/2019 16:49			
		Accepted set by		· ·			
		TAKEMOTOMW on					
Callout	D-302-14HW3GB	11/29/2019 at 6:31:31 PM	TAKEMOTOMW	10/11/2019 15:52		Youker	
Re: Callout	D-302-14HW3GB		Bryan Youker	10/14/2019 16:48	Will add. Also considering deleting this section and providing a more useful sone		
Ne. canout	D 302 1411W3GB	Accepted set by	Di yan Touker	10/14/2015 10:10	,		
		TAKEMOTOMW on					
Callout	D-302-14HW3GB	11/29/2019 at 6:32:38 PM	TAKEMOTOMW		2 Orient FET toward the handrail for access.	Youker	
Re: Callout	D-302-14HW3GB	A	Bryan Youker	10/14/2019 16:49	9 Agree. Will revise model.		
		Accepted set by TAKEMOTOMW on			Suggest revising so that 12" FA connections do not come from the bottom of the FA line. They may accumulate water and are a dead end in the current		
Callout	D-302-14HW3GB	11/29/2019 at 6:33:09 PM	TAKEMOTOMW	10/11/2019 15:52	2 configuration, which will require they be periodically drained.	Youker	
Re: Callout	D-302-14HW3GB		Bryan Youker	10/14/2019 16:50) Will review and correct as necessary.		
		Accepted set by					
Text	D-501-14HW3GB	TAKEMOTOMW on 11/29/2019 at 6:33:25 PM	TAKEMOTOMW	10/11/2010 15:5:	2 More labels are needed.	Youker	
Text	D-301-14HW3GB	11/29/2019 dt 0.55.25 PW	TAKEIVIOTOIVIV	10/11/2019 15.5	z iviore labels are needed.	Toukei	
					Will review final presentation for constructability. Most components shown		
Re: Text	D-501-14HW3GB		Bryan Youker	10/14/2019 16:52	2 in details or sections. So additional annotation would be piping callouts.		
		Accepted set by					
Callout	D-501-14HW3GB	TAKEMOTOMW on 11/29/2019 at 6:33:37 PM	TAKEMOTOMW	10/11/2019 15:5	2 Sump pumps are shown but no discharge piping.	Youker	
Canout	D-201-1411003GD	11/29/2019 at 0.33.37 PIVI	AKLIVIOTOWW	10/11/2019 15.5	Yes. Not all piping shown. Will see if additional pipe shows clear enough to	IOUNCI	
Re: Callout	D-501-14HW3GB		Bryan Youker	10/14/2019 16:53			
_		Accepted set by					
G. II	D F04 4	TAKEMOTOMW on	TAKEN 40-01 ****	40/44/2010 15 ==	Does the water line need to split into 2 branches here? Can one main line		
Callout	D-501-14HW3GB	11/29/2019 at 6:33:45 PM	TAKEMOTOMW	10/11/2019 15:52	2 feed all 6 grit units?	Youker	



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Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
	•	Accepted set by		•		
Clavel Callant	D 201 110D0	TAKEMOTOMW on	TAKENAOTONAM	10/11/2010 15:50	Confirma labela for HDDF and Make 4 about distance has suitable d	Carridan
Cloud Callout Re: Cloud Callout	D-301-140DO D-301-140DO	11/29/2019 at 7:03:52 PM	TAKEMOTOMW scowden		3 Confirm labels for HDPE and Note 1 should not be switched. 3 They should be switched. Will be incorporated.	Cowden
Re. Cloud Callout	D-301-140D0	Accepted set by	scowden	10/23/2019 10.36	, They should be switched. Will be incorporated.	
		TAKEMOTOMW on				
Callout	D-301-140DO		TAKEMOTOMW	10/11/2019 15:53	3 /RW	Cowden
Re: Callout	D-301-140D0		scowden	10/23/2019 10:57	⁷ Concur	
		Accepted set by				
	3 004 44000	TAKEMOTOMW on		::////		- 1
Callout	D-301-140D0	11/29/2019 at 7:04:04 PM	TAKEMOTOMW		B Pipes under slab should be encased.	Cowden
Re: Callout	D-301-140D0		scowden	10/23/2019 11:00	This line connects down stream of the screens. The hydraulic profile indicate	
					water level will be up to EL 2.53. Top of concrete is EL 13. Its possible the	<i>!</i>
		Accepted set by			level could rise well above 2.53 especially during shut down or startup. This	l
		TAKEMOTOMW on			will cause raw sewage to be pulled into the drain manhole. Suggest looking	l
Callout	D-501-140DO	11/29/2019 at 7:04:14 PM	TAKEMOTOMW	10/11/2019 15:5/	4 at mitigation options or alternate configurations.	Cowden
					Will look at max liquid level and if necessary can provide a duck-bill check	l
Re: Callout	D-501-140D0		scowden	10/23/2019 11:01	1 valve to protect the condensate manhole.	
ĺ		Accepted set by				1
0.11	D 504 140D0	TAKEMOTOMW on	TA 1/58 4OTOR 414/	40/44/2040 45.5	Co. Co. and the constitution of 11 20 traffic leadings	0
Callout	D-501-140DO	11/29/2019 at 7:08:35 PM	TAKEMOTOMW	10/11/2019 15:54	4 Confirm manhole can withstand H-20 traffic loadings. Where located in an area requiring H-20 loading, a separate vault cover will	Cowden
Re: Callout	D-501-140DO		scowden	10/23/2019 11:0	B be required. Detail to be modified accordingly.	I
nc. canoa:	5 301 1.020	Accepted set by	300,,,,,,	10/23/2020 22:::	, be required. = 11	
		TAKEMOTOMW on				
Callout	A-110-14BLDG64	11/29/2019 at 7:08:43 PM	TAKEMOTOMW	10/11/2019 15:5/	1 Slope is opposite direction.	Pieterick
Re: Callout	A-110-14BLDG64		epieteri	10/14/2019 10:4/	4 Will reverse the arrow.	
		Accepted set by				
		TAKEMOTOMW on				_
Arrow	CG-106-05	11/29/2019 at 10:07:14 AM		10/11/2019 16:00		Chandler
Re: Arrow	CG-106-05	^ -contod sot by	kmaestri	11/8/2019 9:41	I no response needed	
		Accepted set by TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:10:31 AM	TAKEMOTOMW	10/11/2019 16:00) Complete table.	Chandler
Re: Callout	CG-106-05	11/25/2015 00 10:10:12 :	kmaestri	11/8/2019 9:44	·	Citation.
		Accepted set by				
		TAKEMOTOMW on				
Callout	D-301-14A	11/29/2019 at 11:25:11 AM			Detail for wall penetration?	Scoggins
Re: Callout	D-301-14A		Iscoggin	10/15/2019 13:25	; Will add	
		Accepted set by				
Callout	Y-106-07	TAKEMOTOMW on 11/29/2019 at 10:41:55 AM	TAVENAOTONAM	10/11/2010 16:00) 1-1/2" RW/WTR3	Chandler
Re: Callout	Y-106-07 Y-106-07	11/29/2019 dt 10.41.33 Aivi	kmaestri	11/8/2019 13:51		Channel
Ne. Canouc	1 100 0,	Accepted set by	KITIGCSCT	11/0/2013 13.31	, will can out	
		TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:10:38 AM	TAKEMOTOMW	10/11/2019 16:00) Looks like there is a ridge here somewhere?	Chandler
Re: Callout	CG-106-05		kmaestri	11/8/2019 9:44	ţ will review	



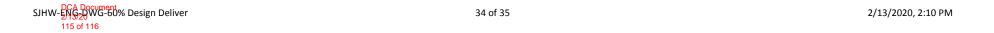
Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Cloud Callout	N-001-09		Carlos Garcia	10/16/2019 10:40 Typical: Drop "00" from all non-repeating setups, systems, of instruments		Foley
		None set by DG on				
Re: Cloud Callout	N-001-09	2/13/2020 at 9:28:08 AM	jfoley	10/28/2019 12:20		
Cloud Callout	N-001-09	Name and by DC an	Carlos Garcia	10/16/2019 10:42	? Typical: All disconnects are "ZI" not "XL"	Foley
Day Claud Callaut	N 001 00	None set by DG on 2/13/2020 at 9:28:14 AM	:folou	10/20/2010 12:20) Will undate	
Re: Cloud Callout	N-001-09	2/13/2020 at 3.28.14 AW	jfoley	10/28/2019 12:20	Suffix "B" not necessary. Typical if the conflict is caused by the mis-tagged	
Cloud Callout	N-001-09		Carlos Garcia	10/16/2010 10:42	2 "disconnect close" which should also lose the "A" suffix	Foley
Cloud Callout	N-001-03	None set by DG on	Carlos Garcia	10/10/2019 10.42	disconnect close which should also lose the A sumx	гогеу
Re: Cloud Callout	N-001-09	2/13/2020 at 9:28:23 AM	ifoley	10/28/2019 12:20) Will update.	
Cloud Callout	N-002-09		Carlos Garcia	· ·	Why of what is the purpose?	Foley
		Rejected set by DG on		-, -,	,	,
Re: Cloud Callout	N-002-09	2/13/2020 at 9:31:16 AM	kmaestri	11/26/2019 8:07	,	
Cloud Callout	N-002-09		Carlos Garcia	10/16/2019 10:45	Coming from where?	Foley
		None set by DG on				
Re: Cloud Callout	N-002-09	2/13/2020 at 9:31:22 AM	kmaestri	11/8/2019 10:32	will fix	
					Are Typicals marked in N-001-09 and are redlined here just emphasize the	
Callout	N-003-09		Carlos Garcia	10/16/2019 10:47	' error. It will not be redlined anymore.	Foley
		None set by DG on	.6.1	10/00/0010 10 00	Makad will undaka	
Re: Callout	N-003-09	2/13/2020 at 9:31:28 AM	jfoley	10/28/2019 12:23	3 Noted, will update.	
Clavel Calland	N 005 00		Caulaa Causia	40/46/2040 40:53	A Apply standard for "multiple level indicators" correct suffices are 014.9.01D	Falar
Cloud Callout	N-005-09	None set by DG on	Carlos Garcia	10/16/2019 10:52	? Apply standard for "multiple level indicators" correct suffixes are -01A &-01B	roley
Re: Cloud Callout	N-005-09	2/13/2020 at 9:31:36 AM	jfoley	10/28/2019 12:23	e Will do.	
Callout	N-006-09	_,,	Carlos Garcia	10/16/2019 10:58		Foley
- Cambac	555 55	None set by DG on	carros carola	10, 10, 2013 10.30	, none ii dine ii	· o.cy
Re: Callout	N-006-09	2/13/2020 at 9:32:40 AM	jfoley	10/28/2019 12:25	Will update.	
					Note: Please ensure that all "one-off" or non-repeating setups have no	
Callout	N-006-09		Carlos Garcia	10/16/2019 10:58	3 numeric suffix	Foley
		None set by DG on				
Re: Callout	N-006-09	2/13/2020 at 9:32:31 AM	jfoley	10/28/2019 12:25		
Callout	N-006-09		Carlos Garcia	10/16/2019 10:58	B Use new: TQH (VAH) is for vibration	Foley
		None set by DG on			well I	
Re: Callout	N-006-09	2/13/2020 at 9:32:26 AM	jfoley	10/28/2019 12:25		
Cloud Callout	N-006-09	None set by DG on	Carlos Garcia	10/16/2019 10:58	3 This is also a non-repeating instrument drop the suffix "-01"	Foley
Re: Cloud Callout	N-006-09	2/13/2020 at 9:31:46 AM	kmaestri	11/8/2019 10:34	l acknowledged	
Re. Cloud Callout	14-000-03	2/13/2020 at 3.31.40 AW	Killaestii	11/6/2019 10.34	When there is a single, non-repeating instrument or set-up there is no	
Cloud Callout	N-006-09		Carlos Garcia	10/16/2019 10:58	numeric suffix drop the "-01"	Foley
cioda canoat	14-000-05	None set by DG on	Carlos Garcia	10/10/2013 10.30	, numeric sum at optime of	loley
Re: Cloud Callout	N-006-09	2/13/2020 at 9:31:42 AM	jfoley	10/28/2019 12:24	Will do.	
Callout	N-007-09	·	Carlos Garcia		P. Careful with this change (typo?) Please ensure that "XL" is used throughout	Foley
		None set by DG on			5 · ,	•
Re: Callout	N-007-09	2/13/2020 at 9:32:42 AM	jfoley	10/28/2019 12:28	3 Will do.	
		<u> </u>			Redlining again for emphasis: apply "multiple level indicators in tank" rule of	
Callout	N-007-09		Carlos Garcia	10/16/2019 11:02	the standards	Foley
		None set by DG on				
Re: Callout	N-007-09	2/13/2020 at 9:32:46 AM	jfoley	10/28/2019 12:29	Noted.	



Subject	Page Label	Status	Author	Date	Comments	Assigned Responder
Cloud Callout	N-007-09		Carlos Garcia	10/16/2019 11:02 C1 & C2 suffixes		Foley
		None set by DG on				
Re: Cloud Callout	N-007-09	2/13/2020 at 9:32:54 AM	jfoley	10/28/2019 12:29		
Cloud Callout	N-007-09	Deiested est by DC	Carlos Garcia	10/16/2019 11:02	2 function of this?	Foley
Dou Cloud Callout	N 007 00	Rejected set by DG on 2/13/2020 at 9:32:58 AM	kuna n natui	11/26/2010 8:07	1	
Re: Cloud Callout Callout	N-007-09 N-008-09	2/13/2020 at 9.32.38 AIVI	kmaestri Carlos Garcia	11/26/2019 8:07	2 Is this hand switch local?	Folou
Callout	N-008-09	Accepted set by DG on	Carios Garcia	10/16/2019 11:12	2 is this halla switch local?	Foley
Re: Callout	N-008-09	2/13/2020 at 9:33:03 AM	kmaestri	11/8/2019 12:41	ves	
Callout	N-008-09		Carlos Garcia		2 Same panel # in N-009-09 Is this 14LCP9523?	Foley
		Accepted set by DG on				,
Re: Callout	N-008-09	2/13/2020 at 9:33:08 AM	kmaestri	11/8/2019 12:42	2 yes, panel is shown on multiple PIDS.	
Callout	N-008-09		Carlos Garcia	10/16/2019 11:13	3 This leads to #9523	Foley
		None set by DG on				
Re: Callout	N-008-09	2/13/2020 at 9:37:31 AM	kmaestri	11/8/2019 12:43	3 will fix	
Callout	N-019-09		Carlos Garcia	10/16/2019 11:13	3 There is no "C3" suffix in standard. Typical	Foley
		None set by DG on				
Re: Callout	N-019-09	2/13/2020 at 10:01:51 AM	jfoley	10/28/2019 12:31		
Callout	N-021-09	Name and his DC an	Carlos Garcia	10/16/2019 11:22	2 Digital arrow	Foley
Day Calland	N 024 00	None set by DG on 2/13/2020 at 10:02:01 AM	:£=1=	40/20/2040 42:24	Will undate	
Re: Callout Cloud Callout	N-021-09 N-021-09	2/15/2020 at 10.02.01 AW	jfoley Carlos Garcia	10/28/2019 12:31	2 Non-repeating. Drop the suffix "01"	Folou
Cloud Callout	N-021-09	None set by DG on	Carlos Garcia	10/16/2019 11:22	Mon-repeating. Drop the sumx of	Foley
Re: Cloud Callout	N-021-09	2/13/2020 at 10:08:05 AM	jfoley	10/28/2019 12:32	Will do.	
Callout	N-022-09	_,	Carlos Garcia		2 Typical. Also need a "C1" suffix	Foley
		None set by DG on			- 11	,
Re: Callout	N-022-09	2/13/2020 at 10:08:12 AM	jfoley	10/28/2019 12:32	2 Will update.	
					This is a unique drawing. As such, there is no need for the numeric suffix.	
Cloud Callout	N-030-09		Carlos Garcia	10/16/2019 11:22	2 Drop all "01" suffixes and fix the open/close suffixes with C1 & C2	Foley
		None set by DG on				
Re: Cloud Callout	N-030-09	2/13/2020 at 10:08:19 AM	jfoley	10/28/2019 12:33		
Cloud Callout	N-030-09		Carlos Garcia		2 Do we need a start/stop on this?	Foley
Re: Cloud Callout	N-030-09		kmaestri		9 we do not believe a remote start stop is required.	
Re: Re: Cloud Callout	N-030-09		DG	2/13/2020 10:10		
Cloud Callout	N-031-09	Accepted set by DG on	Carlos Garcia	10/16/2019 11:22	2 Have the grayed out signals been removed?	Foley
Re: Cloud Callout	N-031-09	2/13/2020 at 10:16:36 AM	kmaestri	11/8/2010 12:50) no, they are existing signals that are not being modified. new signals.	
Ne. Cloud Callout	N-031-03	2/13/2020 at 10:10:50 AW	Killaestii	11/6/2019 12.30	Unique drawing. Suffixes not wanted. Marked here again just for	
					identifications purposes. This error is now considered "typical" and will not	
Text	N-031-09		Carlos Garcia	10/16/2019 11:22	2 be called out again.	Foley
		None set by DG on		>, ==, ==== 11:	······································	1
Re: Text	N-031-09	2/13/2020 at 10:16:42 AM	jfoley	10/28/2019 12:33	3 Noted.	
Cloud Callout	N-031-09		Carlos Garcia	10/16/2019 11:22	Pressure controller? Use "PC"	Foley
		None set by DG on				
Re: Cloud Callout	N-031-09	2/13/2020 at 10:16:48 AM	jfoley	10/28/2019 12:33		
Callout	N-033-09		Carlos Garcia	10/16/2019 11:22	What are these? XXX? AET, AY?	Foley
		Rejected set by DG on		_		
Re: Callout	N-033-09	2/13/2020 at 10:16:56 AM	kmaestri	11/26/2019 8:05		



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Text	N-033-09		Carlos Garcia	10/16/2019 11:22	Unique - Drop Suffixes	Foley
		None set by DG on				
Re: Text	N-033-09	2/13/2020 at 10:16:59 AM	jfoley	10/28/2019 12:34		
Callout	N-033-09		Carlos Garcia	10/16/2019 11:23	Use "UA"	Foley
D. C.II.	N 022 00	None set by DG on		40/20/2040 42 24	Mill do	
Re: Callout	N-033-09	2/13/2020 at 10:17:09 AM	jfoley	10/28/2019 12:34		F.I.
Cloud Callout	N-034-09	None set by DG on	Carlos Garcia	10/16/2019 11:26	Use C1 and "START"	Foley
Re: Cloud Callout	N-034-09	2/13/2020 at 10:17:13 AM	ifoley	10/28/2019 12:34	Will do	
Text	N-034-09	2/13/2020 dt 10.17.13 AW	Carlos Garcia		Drop all "01" suffixes	Foley
TEXT	11 034 03	None set by DG on	Carlos Garcia	10/10/2013 11:20	brop un of sumices	roicy
Re: Text	N-034-09	2/13/2020 at 10:17:16 AM	ifoley	10/28/2019 12:35	Will do.	
		Accepted set by	, ,			
		TAKEMOTOMW on				
Callout	CG-106-05	11/29/2019 at 10:09:52 AM	TAKEMOTOMW	11/10/2019 20:17	What is this line?	Chandler
Re: Callout	CG-106-05		SC036293	11/8/2019 14:47	Existing gravel road edge, will be removed from drawing at 90%.	
		Accepted set by				
		TAKEMOTOMW on			Surrounding area drains to this gravel area. Any concerns with drainage in	
Callout	CG-106-05	11/29/2019 at 10:10:13 AM	TAKEMOTOMW	11/10/2019 20:17		Chandler
	00 100 05			/ . /	Area will be paved and graded to drain to the NE of Vacuum Truck facility at	
Re: Callout	CG-106-05	A I I I .	SC036293	11/8/2019 14:48	90%.	
		Accepted set by			Constitution of the state of th	
Tout	CG-106-05	TAKEMOTOMW on 11/29/2019 at 10:10:51 AM	TAKENAOTONAVA	11/10/2010 20:17	General note. Only a few existing contours are labeled in the background. How will cut and fill quantities be determined?	Chandlar
Text	CG-100-05	11/29/2019 at 10.10.51 AW	TAKEIVIOTOIVIV	11/10/2019 20:1/	Cut and fill quantities are calculated from surface models in CAD. Additional	Chandler
Re: Text	CG-106-05		SC036293	11/8/2019 14:51	labels will be added to the contours at 90%.	
ner rem	00 100 05	Accepted set by	30000233	11,0,2013 1		
		TAKEMOTOMW on			General note. Only a few existing contours are labeled in the background.	
Text	CG-107-05	11/29/2019 at 10:12:57 AM	TAKEMOTOMW	11/10/2019 20:18	How will cut and fill quantities be determined?	Chandler
					Cut and fill quantities are calculated from surface models in CAD. Additional $$	
Re: Text	CG-107-05		SC036293	11/8/2019 14:49	labels will be added to the contours at 90%.	
		Accepted set by				
		TAKEMOTOMW on			Not clear what existing grade is here. Confirm adequate drainage away from	
Callout	CG-107-05	11/29/2019 at 10:13:12 AM	TAKEMOTOMW	11/10/2019 20:18	the low point indicated.	Chandler
					Per 10/22 client meeting, additional catch basins and a stormwater pump station will be added in this area to collect runoff. Additional grading	
Re: Callout	CG-107-05		SC036293	11/9/2010 14:50	information to be provided at 90%.	
ne. Callout	CG-107-03	Accepted set by	30030233	11/0/2019 14:50	morniation to be provided at 30%.	
1		TAKEMOTOMW on				
Callout	CG-301-05	11/29/2019 at 10:14:10 AM	TAKEMOTOMW	11/10/2019 20:18	Does the 2" IPA pipe need to be this deep?	Chandler
Re: Callout	CG-301-05	,,	SC036293		No, will coordinate making IPA shallower at 90%.	
		Accepted set by				
		TAKEMOTOMW on				
Callout	R-010-14HW3	11/29/2019 at 9:34:38 AM	TAKEMOTOMW	11/26/2019 8:04	Provide access opening over grit effluent box.	Youker
Re: Callout	R-010-14HW3		Bryan Youker	11/8/2019 13:31	Will add access.	
					OVERFLOW WEIR EL 23.0 San Jose- Santa Clara Regional Wastewater	
Highlight	G-090-01		MBritten	11/26/2019 8:08	Facility 30	



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		Rejected set by DG on				
		2/12/2020 at 12:42:47				
		PM None set by DG on				
		2/12/2020 at 12:43:46				
		PM Accepted set by DG on	l			
		2/12/2020 at 12:43:52				
		PM Rejected set by DG on				
		2/12/2020 at 12:43:56				
		PM Completed set by DG				
		on 2/12/2020 at 12:44:00				
Re: Highlight	G-090-01	PM	kmaestri	11/8/2019 1	0:27	