



Addendum #3

TO: All Bidders

FROM: District of Sooke

DATE: January 19, 2017

PROJECT: **WASTEWATER TREATMENT PLANT– SLUDGE DEWATERING
INVITATION TO QUOTE**

FILE NO: 2017-001

1. PRECEDENCE

1. This Addendum shall form an integral part of the Work. This Addendum shall take precedence over all requirements of the Tender Documents with which it may prove to be at variance unless otherwise qualified by the District.

2. PURPOSE

1. This addendum is in response to enquiries as per the Request for Quote document.

3. QUESTIONS

The questions below have been modified for clarity:

1. **Are you able to provide a drawing, drawn to scale, providing the present layout of all equipment in the centrifuge building?**

Response:

Attachment – Centrifuge Building lay-out

2. **Are you able to provide the details for the chemical addition equipment used to support the operation of the centrifuge. Tankage, metering pumps, mixers, storage, etc.?**

Response:

Attachment - polymer pump photos

3. **Can you provide a detailed description of the existing centrifuge sludge feed pumps including supplier, model number, horsepower, purchase date, rated capacity, service records, etc.?**

Response:

Attachment -sludge pump plates



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- 4. Will the centrifuge be removed from the building and if yes, will it be disposed of after the replacement dewatering unit is operational?**

Response:

The District would like to proponent to provide a separate price for the removal of the unit (if they can provide that service). It is the Districts' intention to keep the asset as a back up in case of emergency. It is possible that proponent propose the existing centrifuge be retained operational as a redundancy thus proponents are encouraged to provide a separate price for the use of the unit for redundancy if they can provide that option.

- 5. What are the cake discharge arrangements currently in place for the centrifuge and can they be used for new sludge dewatering equipment?**

Response:

The conveyor and hopper appear to be in good working order. Current biosolids (sludge) bin is rated for 10,000 kg and hauled as per in previous questions.

- 6. What is the alkalinity level in the batch reactors?**

Response:

We have low alkalinity and thus denitrify to reduce the alkalinity to 80%.

- 7. How much bio solids are shipped to landfill?**

Response:

An average of 1.9 bins are shipped per week– 10,000 kg max.

- 8. What is the power supply to facility?**

Response:

We have 3-phase power to the site.

- 9. What is the plant capacity?**

Response:

The treatment plant has a design capacity of 3,000 m³/day (annual average daily flow), and a peak wet weather flow capacity of 6,900 m³/day.



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10. What is the typical retention time?

Response:

The typical retention time is for the winter is 7 days and 14-21 days for the summer months.

11. Do you have information on volatile solids?

Response:

No, but proponents are welcome to analyze samples at their expense.

12. The existing centrifuge appears to be just meeting specifications for performance. Does the District of Sooke want to increase capacity?

Response:

Please provide a quote to meet the existing specs as per the technical requirements of the RFQ. Any options for additional capacity/performance may be quoted as an additional option.

13. Does the District prefer a liquid or dry polymer?

Response:

The District does not have a preference however proponents are encouraged to provide both options if available.

14. What is the required delivery window for the successful proponent's equipment?

Response:

The District requires the units to be operational in 2017. Please provide an estimated week to delivery once contract is awarded.

15. Is the District willing to have the new equipment's control panel installed in the dewatering room?

Response:

It is known that H₂S is a potential gas in the dewatering room. We are open to the idea provided the control box is sealed and thus protected.



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16. Where does the centrate go once it leaves the centrifuge?

Response:

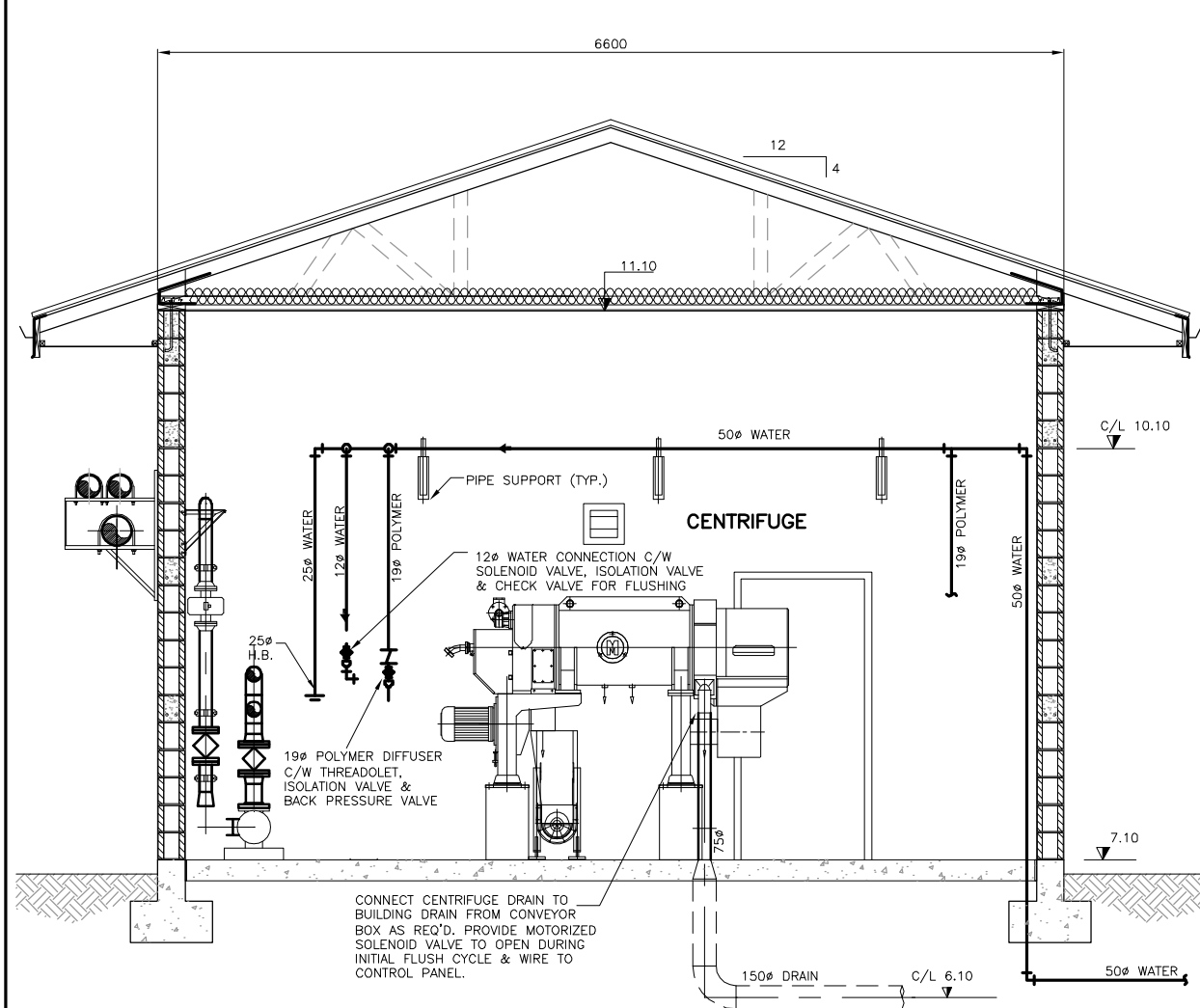
The centrate is recirculated by gravity to the headworks.

17. What type of polymer is currently in use?

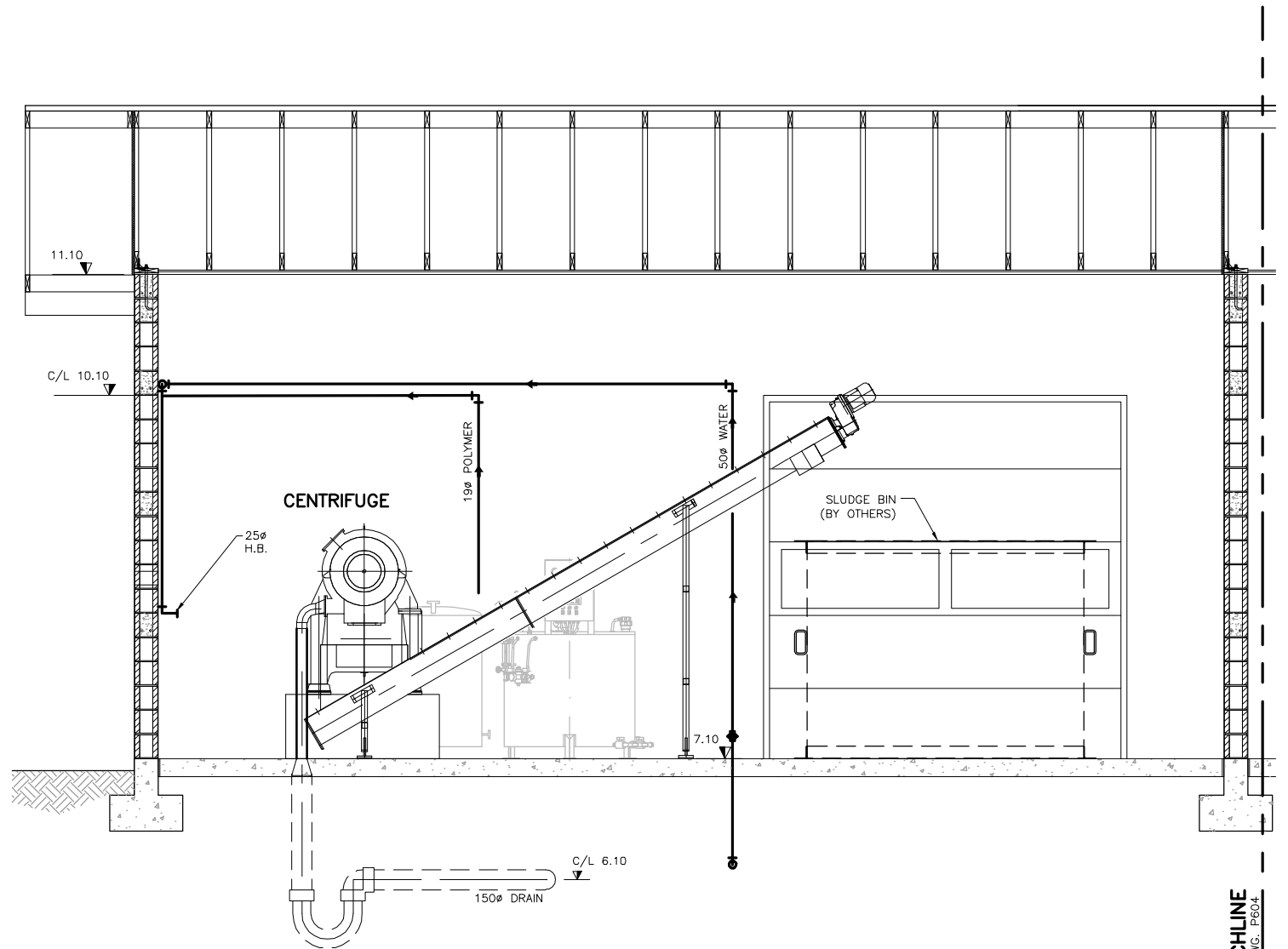
Response:

Hydrofloc 729 C by Waterhouse.

* Xrefs: cgeb-bldg-plan.dwg; cgeb-bldg-piping.dwg;
 Drawing: V:\1120\ACTIVE\112060664\DRAWINGS\ASBUILT\112060664-P602A.DWG
 October 23, 2006 2:40 p.m.



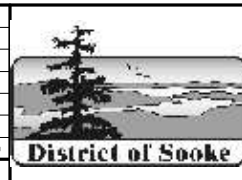
SECTION A
P600



SECTION B
P600

MATCHLINE
SEE DWG. P604

REVISIONS					DRAWING STATUS				
NO.	DATE	DESCRIPTION	BY	APPROVED	NO.	DESCRIPTION	DATE	APPROVED	
2	05.06.01	GENERAL REVISIONS	AA	MC	6	MICROFILMED			
1	02.18.05	ISSUED TO LOCKERBIE STANLEY INC.	EO	GB	5	PLAN OF RECORD	04.17.06	AH	
0	05.01.28	GENERAL REVISIONS	AA	MC	4	APPROVAL FOR CONSTRUCTION	02.18.05	GB	



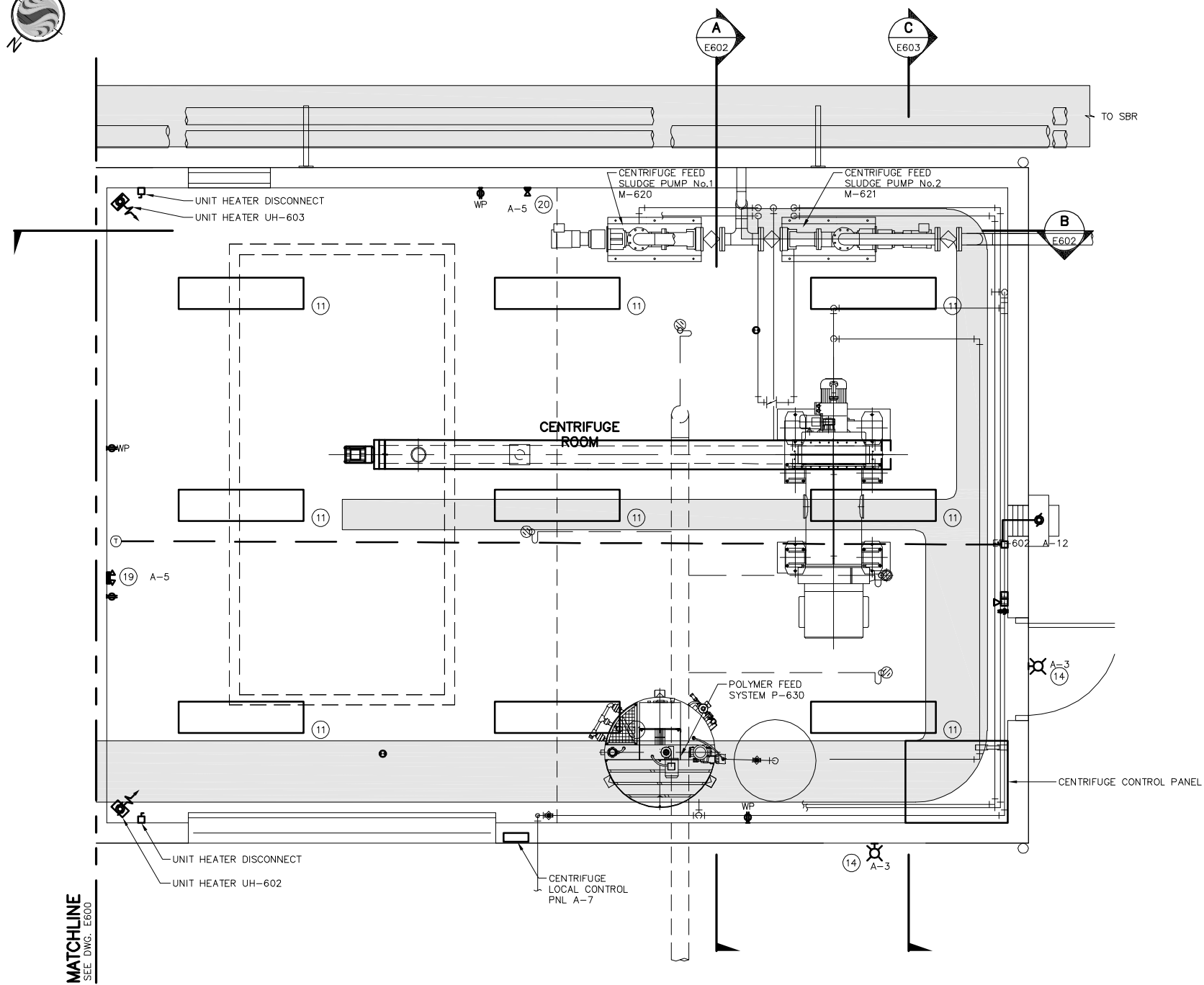
SEAL



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DESIGNED BY GB	APPROVED BY RAF
DRAWN BY WAE	CHECKED BY RAF
SCALE 1:25	

CLIENT DISTRICT OF SOOKE		DATE DRAWN AUG 2004
TITLE WASTEWATER TREATMENT PLANT GENSET/CENTRIFUGE/BLWR BLDG. SECTIONS		SHEET JOB NO. 1120-60664
REVISION 2 5		DRAWING NO. P602
STATUS NO.		

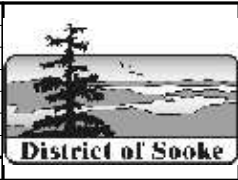


PANEL – A		VOLTS – 120/208V, 3Ø, 4W				
MOUNTING –		MAIN BUS – 225A				
LOCATION – MCC ROOM		MAIN BREAKER – 125A				
LOAD	DESCRIPTION	BKR	CIRCUIT	BKR	DESCRIPTION	LOAD
	BATTERY CHARGER	15 1	2	15	LTG – CENTRIFUGE	
	OUTSIDE LIGHTING	15 3	4	15	REC – CENTRIFUGE	
	EMERG. LTG. CENTRIFUGE	15 5	6	15	SPARE	
	LCP POWER – CENTRIFUGE	15 7	8	15	EXHAUST FAN EF–600	
	SPARE	15 9	10	15	EXHAUST FAN EF–601	
	SPARE	15 11	12	15	EXHAUST FAN EF–602	
	SPARE	15 13	14	15	REC	
	SPARE	15 15	16	15	BLOWER RM LIGHTING	
	SBR CONTROL PANEL	15 17	18	15	SPARE	
	UV PDC PWR	15 19	20	15	REC	
	UV PDC PWR	15 21	22	15	GEN RM LIGHTING	
	UV PDC PWR	15 23	24	15	SPARE	
	UV PDC PWR	15 25	26	15	SPARE	
	UV PDC PWR	15 27	28	15	SPARE	
	UV PDC PWR	15 29	30	15	SPARE	
	PLC PWR	15 31	32	15	SPARE	
	PLC PWR	15 33	34	15	SPARE	
	PLC PWR	15 35	36	15	ENG HEATER	
	SPARE	15 37	38	15	PJB – 300	
	REC LIFT STATION	15 39	40	15	PJB – 300	
	SPARE	15 41	42	15	PJB – 300	

DISTRIBUTION PANEL LAYOUT
SCALE NTS

Xrefs: 11206064E600.DWG; cpeb-bldg-plan.DWG; cpeb-bldg-sling.DWG;
Drawing: V:\1120\ACTIVE\11206064\DRAWINGS\ASBUILT\11206064E601A.DWG
November 02, 2006 10:16 a.m.

				6 MICROFILMED			
				5 PLAN OF RECORD		04.17.06 AH	
				4 APPROVAL FOR CONSTRUCTION		02.18.05 PB	
				3 FOR TENDER			
				2 FOR APPROVAL			
				1 PRELIMINARY			
1	02.18.05	ISSUED TO LOCKERBIE STANLEY INC.	JN	PB			
NO.	DATE	DESCRIPTION	BY	APPROVED	NO.	DESCRIPTION	DATE APPROVED
REVISIONS				DRAWING STATUS			



SEAL



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DESIGNED BY JN	APPROVED BY PB
DRAWN BY HG	CHECKED BY JN
SCALE 1:25	

CLIENT DISTRICT OF SOOKE	
TITLE WASTEWATER TREATMENT PLANT GENSET/CENTRIFUGE/BLWR BLDG. ELECTRICAL PLAN	

DATE DRAWN AUG 2004	SHEET
JOB NO. 1120-60664	DRAWING NO. E601
REVISION 1 5	STATUS NO.





