



Cooloola Shire Council  
PO Box 155, GYMPIE QLD 4570

Planning and Development Department ~ PH: (07) 5481 0644

Fax: (07) 5481 0801

Date: 9.1.07

Fax Number: (.....) ERIC BLAICH [REDACTED] **FA**

Fax To: + Attn. [REDACTED] (RE Wash Systems) [REDACTED]

Attention: as above. **FAXED**

Number of Pages Following: 3 The Original of this fax: will  will not  be posted.

RESPOND TO: Jeff S at PLUMBING - CSC

Please contact me immediately if this transmission is unclear or incomplete

SUBJECT: PA. 15997 - CAR WASH, 11/34 VIOLET ST, GYMPIE  
Find items for attn. relevant to Reg'd Hydraulic Plan.

QFCI

Date:

13 | 10 | 11

JM

Exhibit Number:

809

Plumbing →

FAR

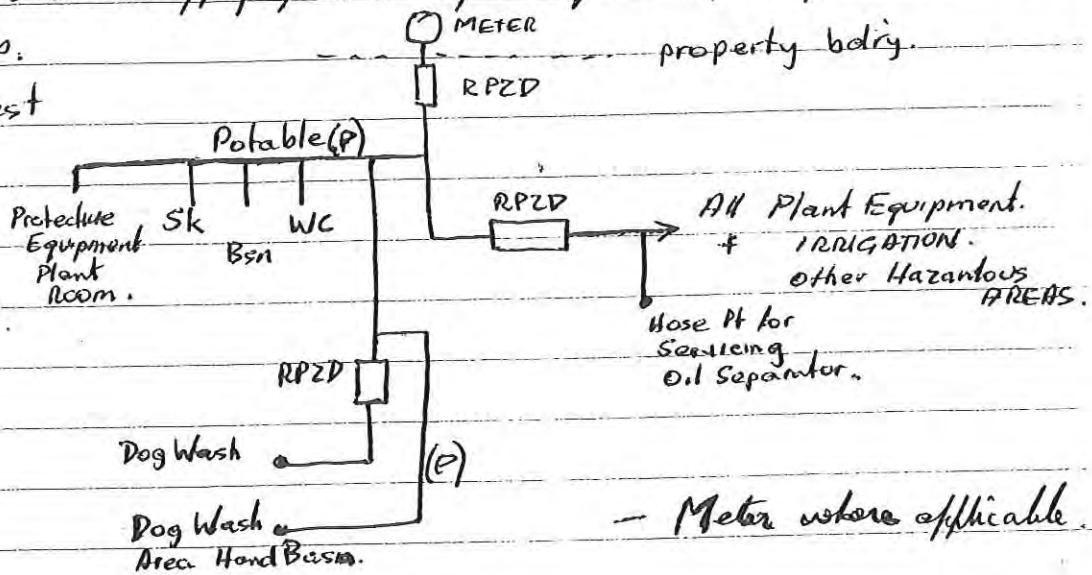
DENNY Eastwell.

CAR WASH - VIOLET ST., PA 15997

1.1/ - RPZ Value to be RPZP.

- Nominate size of RPZD for installation
- Nominate new <sup>water</sup> pipe work sizing for water system.
- Modify water supply for all aspects of backflow prevention and devices.

Suggest



- nominate size of water supply required to comply/upgrade/flows
- Council will quote installation of containment device (RPZD)

euser:

- 1.05 at Sewer Connection
- all change of direction in drain to have junctions no more than 60°, include 1.05 at required locations.
- include 1.05 to Drains and
- Nominate 1.05 for pipe sizing, materials for house drains
- Nominate ORG Ht and FSL at ORG for compliance.
- Include required vents and vent sizing.
- 1.05 at exit of building for sanitary drains.
- Install Reflex Valve on sewer connection Point for flood period.



Other.

- Indicate RPZ <sup>supply</sup> OR calculations for the installation of a Registered Air Gap to point of connection of Town Water Supply to car Wash system. At present this it appears that there is a submerged inlet. For use of a RAG, the overflow size and design is to be nominated.
- ~~Show~~ Show, install method to eliminate <sup>present</sup> flood water from entering the sewer in flood event.
- Supply schematic elevation to above ground drainage (Tandules etc.)
- Supply Form 15 (IOAS) completed by Hydraulic Designer.

### Water Tanks for N.P. Supply.

- Show valves, piping, sizing, pump location, for Not Potable water system.
- ? - Possible install Reflex Valve in SW System to prevent SW entering tanks from SW Main. ?
- Indicate any insect/aermin screening on system

# CAR WASH

Hi [redacted]  
just gothank you.  
have sent to engineers for advice if they can add requested items.  
Can you please clarify these, we will do all we can to be in line with your local requirements.

Now:  
re RPZ  
Why are the other two needed? ~ AS 3500

The water to dog wash goes directly at mains pressure into unit, it is self regulating internally.  
Also, the other one that goes to plant equipment-  
water does not go direct to plant equipment. It goes to break tank first, at mains pressure, and is only used in emergency if all other water runs out. All water for wash equipment comes from break tank and goes through water softener first. Only one other line goes downstairs, to a tap (granted, it is not marked on plan) in plant room for cleaning, and externally for hosing down if required.  
Apart from the potable water for basins, and toilet (though really I would like to take water from break tank here too), there are no other outlets.

potable at basin  
- 2ndly RP

Sewerage - what vents do you require? I will add the vent on sewer line, that is a given on all plumbing, have never drawn it but will from now on.

Hydraulic Design

Dog wash  
OK, will add the notes on basket hair arrestors, that should have been on there. I can send the Vindex file pdf for description, this is standard fit on dog wash and floor drain.  
Will add basin and drain to sewer.

Trade waste  
I think you are saying the connections between tanks need to be flex? If so, what is approved flex material? It has always been 100mm sewer pipe used to now.

Bunded area:  
The plant room is in effect a bunded area, all drains to central waste. It is not possible to take this waste to settlement tank, since a say a spill of detergent would overwhelm the recycle system, further, some of the tundages receive waste from recycler, and really need to go to waste tank, and from there via oil seperator, to sewer. Bear in mind, recycler removes all solids and they are collected in a container underneath unit for disposal.

where does waste go

Other  
not sure what is meant by eliminating flood water from entering sewer. Without plugging up toilet and sink I dont see how this is possible?

schematic of above ground tundages- is this necessary? Sheet 7 measurements states 'all tundages 225 from wall', can we add also 'and to be 200mm above FFL? Would that be sufficient? No.

Yes

Water tanks  
there are no valves fitted. It only has a submersible pump, will add to plan. The water tanks collect stormwater, no need for reflux valve. The water from it goes to the recycle system, and this catchment is why the site will be (apart from dog wash) nearly self sustaining. See SH1, all stormwater goes to tanks. For this reason also, the size of water connection can be kept at 25mm, though, for safety in case the recycler brakes, 32 is more advisable!

By the way, for your info, we will supply the plumber with a printed photographic guide for help in understanding the car wash aspect, and I will also be on site to direct. The standard plumbing stuff is his own though! Standard Plumbing stuff is what we want on plan.

Pity this got waylaid, hate rushing it like this.  
Oh, if we have basin in dog wash, then we need to change from shade sail to fixed roof, correct? Dont really want to do this, but I think will have to, unless your shire is OK with rain going in sewer? Will that then require new plans or variation to DA? ~ Yes.  
Im out on site at a wash on Mon, Tues, but no is

No

[redacted] please call.

Best regards,

[redacted signature]

MOB

[redacted signature]

[redacted signature]

OWNER

To Be Advised When Completed



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*potable at basin  
- 2.5 kPa NP*

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*Hydraulic Design*

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*where does waste go*

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Best regards,

[Large redacted signature block]

*OWNER*

*MOB*

*To Be Approved when*

*Completed*