

Issued: 20th January 2014

MINUTES OF MEETING **DATE:** 17 January 2014
JOB NO: 2006.75

PROJECT: SECTION 96AB REVIEW OF MODIFICATION DETERMINATION APPLICATION
FOR WOOD PARK PTY LTD DEVELOPMENT APPLICATION NUMBER
2002/1314DA & MODIFIED DEVELOPMENT APPLICATION NUMBER Mod
2013/0079 CONSTRUCTION CERTIFICATE NO: 0004 – 065 (15-4-2004)

PURPOSE: TO DISCUSS THE ISSUES RAISED BY COUNCIL IN LETTER DATED
16 DECEMBER 2013 REGARDING THE HYDRAULIC PIPELINE DESIGN FOR THE
PROPOSED STORMWATER PIPE DIVERSION WITHIN THE SUBJECT SITE

PRESENT:			Tel.	Fax.
Paul David	Warringah Council	Hydraulic Eng	9942 2111	9942 2112
Sean Khoo	Warringah Council	Hydraulic Eng	9942 2111	9942 2112
Geoff Davis (GD)	Wood Park Pty Ltd	Client	9437 5088	9436 4342
Ben Humel (BH)	Humel Architects Pty Ltd	Architect	9981 6511	9981 1913
Dean Riley (DR)	Mott MacDonald	Hydraulic Eng	9891 5044	9891 5366

NOT PRESENT:	Tel.	Fax.
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NO.	ITEM:	ACTION
1.0	Engineering Issues	Action
1.1	Council Engineers PD & SK confirmed that the overland flow path of the relevant Pittwater Road local catchment area is along Pittwater Road and to the south of the site at the intersection with West Street. There is no overland flow path through the site in the relation to the Pittwater Road locality catchment area.	Note
1.2	Council Engineers PD & SK confirmed that Councils stormwater drainage records and pipe sizes for the local catchment area along Pittwater Road and adjacent the subject site are inaccurate. See attachment 1.	Refer attachment
1.3	All parties agreed to adopt the Veolia Water Report dated 2 nd September 2014, as commissioned by the owner to verify the size and location of the current council stormwater site traversing the site. The Veolia report documents the stormwater pipe on the site as 600mm diameter.	Note

NO.	ITEM:	*CRITICAL ACTION
1.4	Council Engineers PD & SK requested a longitudinal section through the site along the proposed redirected stormwater pipe showing all vertical clearances to building structures along the length of the stormwater pipe.	Humel to provide
1.5	Council Engineers PD & SK requested that the proposed redirected stormwater pipeline be designed for a 1 in 20 year storm event. The client's hydraulic engineer DR tabled a locality plan showing a 16 hectare locality catchment area to be used for the purpose of the 1 in 20 year storm event calculations.	Mott MacDonald to provide
1.6	Council Engineers requested that a locality catchment area plan is to be submitted to Council to accompany the 1 in 20 year design for the realigned stormwater pipe.	Mott MacDonald to provide
1.7	Council Engineers PD & SK requested that the alignment of the proposed stormwater line should be amended to minimise points of change in direction. Specifically the stormwater pipe alignment is to include adjustment at the Pittwater Road and West Street intersections. The Client Hydraulic Engineers are to adjust the stormwater pipe alignment accordingly.	Mott MacDonald to provide
1.8	Council Engineers PD & SK noted that the stormwater pipe line would require an easement with 1.0 metre clear of each side of the pipe. For example a 1000mm dia. Pipe would require a 3.0 metre wide easement.	Mott MacDonald to provide
1.9	BH noted that minutes of the meeting would be recorded and issued to Council Engineers PD & SK and subsequently the Council DA officer Kevin Short.	Humel to issue
1.10	BH confirmed that the Hydraulic information as outlined above could be available to Council by Friday 24 th January 2014.	Humel to issue
2.0	Attachments	
2.1	Council stormwater records. (Inaccurate)	
2.2	Draft Pittwater Road locality catchment plan as tabled.	

Issued: Ben Humel

Humel Architects Pty Ltd

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The map displays a proposed water main alignment project. Key features include:

- Streets:** VICTORIA ROAD, BROOKVALE, WEST STREET, and CURT CURT.
- Lots:** Labeled with numbers such as 760, 762, 764, 766, 768, 770, 772, and 15-17.
- Pipe Alignment:** Indicated by a blue line with handwritten red annotations: "WATER PIPE SIZE IS ALIGNED DOMINATED" and "ALIGNMENT OF 600mm STORMWATER PIPE".
- Survey Points:** Numerous points are marked along the alignment, including SP100317, SP100318, SP100319, SP100320, SP100321, SP100322, SP100323, SP100324, SP100325, SP100326, SP100327, SP100328, SP100329, SP100330, SP100331, SP100332, SP100333, SP100334, SP100335, SP100336, SP100337, SP100338, SP100339, SP100340, SP100341, SP100342, SP100343, SP100344, SP100345, SP100346, SP100347, SP100348, SP100349, SP100350, SP100351, SP100352, SP100353, SP100354, SP100355, SP100356, SP100357, SP100358, SP100359, SP100360, SP100361, SP100362, SP100363, SP100364, SP100365, SP100366, SP100367, SP100368, SP100369, SP100370, SP100371, SP100372, SP100373, SP100374, SP100375, SP100376, SP100377, SP100378, SP100379, SP100380, SP100381, SP100382, SP100383, SP100384, SP100385, SP100386, SP100387, SP100388, SP100389, SP100390, SP100391, SP100392, SP100393, SP100394, SP100395, SP100396, SP100397, SP100398, SP100399, SP100400.
- Other Labels:** "Greenfield Creek" is visible near lot 760.

STORMWATER INFRASTRUCTURE	
Land Boundaries	4 Water Quality Device
Suburb Boundary	— Natural Drainage
Main Catchment	— Stormwater Conduit
Subcatchment	Abandoned Stormwater Conduit
Contour 2m	Kerb and Gutter
Stormwater Pit	Stormwater Asset Buffer Zone
	Land Boundaries

COMMON
FOAMING-
RESISTANT

Map tips: Some features may not be viewable at the default zoom level.

