



WHEN EXCAVATING WITHIN ANY SITE, FOOTPATH AND ROADWAY, ALL SERVICES SHALL BE LOCATED PRIOR TO COMMENCEMENT OF THE EXCAVATION WORKS.

CONTACT "DIAL BEFORE YOU DIG" ON PHONE No. 1100 OR GO TO THE WEB SITE

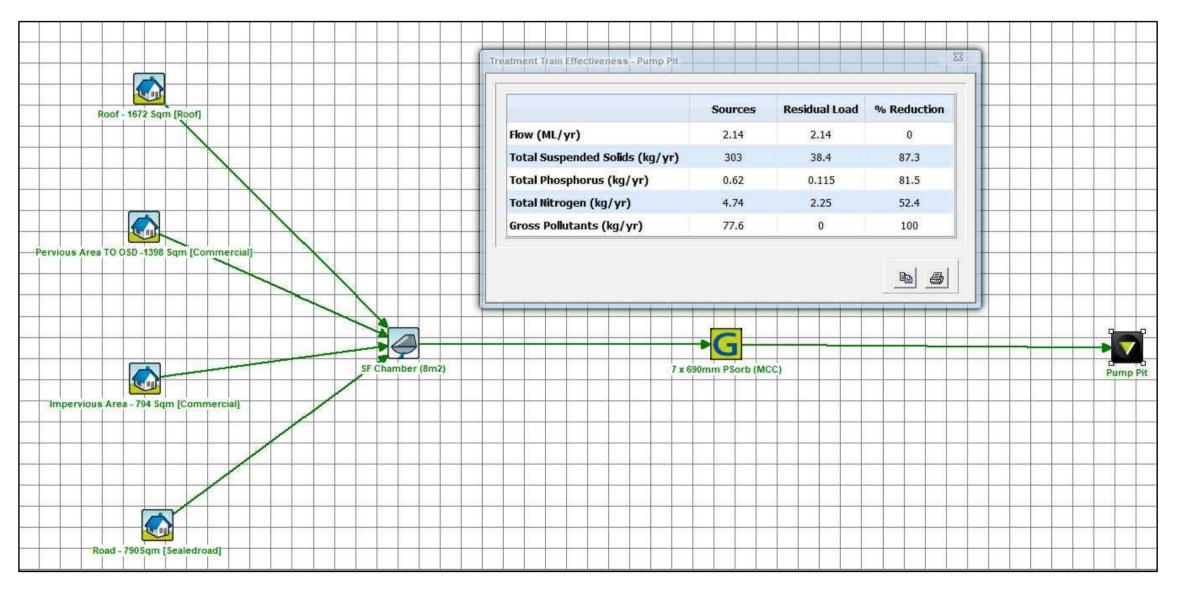
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OSD TANK MODELLED WITH DRAINS SUMMARY OF PEAK HEIGHT OF WATER IN TANK PEAK HEIGHT PEAK HEIGHT RL ALLOWABLE TWL STORM 5 YR 12.83 14.35 13.15 10 YR 14.35 20 YR 13.41 14.35 50 YR 13.73 14.35 13.98 100 YR 14.35

SUMMARY OF SITE DISCHARGE					
STORM	PRE-DEV				
	DISCHARGE	DISCHARGE			
5 YR	104 l/s	85 l/s			
10 YR	128 l/s	95 l/s			
20 YR	150 l/s	105 l/s			
50 YR	176 l/s	115 l/s			
100 YR	199 l/s	122 l/s			

<u>NOTES</u>

- THE BUILDER/CONTRACTOR SHALL LOCATE ALL EXISTING PUBLIC UTILITY SERVICES WITHIN THE SITE, FOOTPATH AREA AND ROAD RESERVE PRIOR TO THE COMMENCEMENT OF ANY WORKS. ALL LOCATIONS AND LEVELS OF SERVICES SHALL BE REPORTED TO THE STORMWATER ENGINEER PRIOR TO THE COMMENCEMENT OF ANY WORKS TO ENSURE THERE ARE NO OBSTRUCTIONS IN THE LINE OF THE DRAINAGE DISCHARGE PIPES.
- 2. THE BUILDER IS TO VERIFY ALL LEVELS ON SITE PRIOR TO COMMENCING CONSTRUCTION.
- 3. SILT FENCE IS TO BE ERECTED PRIOR TO COMMENCING WORK. FENCE TO BE MAINTAINED IN WORKING ORDER DURING TIME OF CONSTRUCTION.
- 4. W.A.E. DRAWING BY A REGISTERED SURVEYOR IS REQUIRED PRIOR TO CERTIFICATION OF DRAINAGE.
- 5. ALL THE CLEANING EYES (OR INSPECTION EYES) FOR THE UNDER GROUND PIPES HAVE TO BE TAKEN UP TO THE FINISHED GROUND LEVEL FOR EASY
- IDENTIFICATION AND MAINTENANCE PURPOSES. 6. ALL TERRACE FLOOR & PLANTER GRATES TO HAVE FIRE COLLARS FITTED.
- 7. ALL PITS HAVING AN INTERNAL DEPTH THAT EXCEEDS 1.0m SHALL BE PROVIDED WITH GALVANISED STEP IRONS AT 300mm CENTRES PLACED IN A STAGGERED PATTERN AND SHALL BE IN ACCORDANCE WITH THE AUSTRALIAN STANDARDS AS 4198-1994.
- 8. ALL LEVELS SHALL RELATE TO THE ESTABLISHED BENCH MARK.
- 9. THE BASE OF ALL DRAINAGE PITS SHALL BE BENCHED TO THE INVERT OF THE OULET PIPE.
- 10. ALL GUTTERS SHALL BE MINIMUM 100 x 75mm AND DOWNPIPES SHALL BE
- MINIMUM 100 x 75mm UNLESS NOTED OTHERWISE. 11. ALL STORMWATER DRAINAGE PIPES SHALL BE A MINIMUM Ø100mm PVC LAID AT
- 1% MINIMUM GRADE UNLESS NOTED OTHERWISE ON THE DRAWING. WHERE GROUND COVER OVER THE PIPES IS LESS THAN 300mm THE STORMWATER PIPES SHALL BE SEWER GRADE uPVC. 12. THE BUILDER SHALL ENSURE THAT THE STORMWATER ENGINEERING DRAWINGS
- CORRESPOND TO THE ARCHITECTURAL, STRUCTURAL AND LANDSCAPE DRAWINGS . IF THERE EXISTS ANY DISCREPANCIES BETWEEN THE DRAWINGS THE BUILDER SHALL REPORT THE DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORKS.
- 13. ALL MULCHING TO BE USED WITHIN THE AREA DESIGNATED AS ON SITE DETENTION STORAGE SHALL BE OF A NON-FLOATABLE MATERIAL SUCH AS DECORATIVE RIVER GRAVEL. PINE BARK MULCHING SHALL NOT BE USED WITHIN THE DETENTION STORAGE AREA.
- 14. ALL WORKS WITHIN THE FOOTPATH AREA SHALL BE SUITABLY BARRICADED AND SIGNPOSTED IN ACCORDANCE WITH A TRAFFIC MANAGEMENT PLAN THAT HAS BEEN PREPARED BY A QUALIFIED AND RTA ACCREDITED TRAFFIC ENGINEER AND APPROVED BY COUNCIL. IT IS THE RESPONSIBILITY OF THE BUILDER OR CONTRACTOR CARRYING OUT THE WORKS WITHIN THE FOOTPATH AREA AND ROAD RESERVE TO OBTAIN THE NECESSARY APPROVED DOCUMENTS AS OUTLINED ABOVE.
- 15. ALL RETAINING WALLS SHALL BE CONSTRUCTED COMPLETELY WITHIN THE PROPERTY BOUNDARY LIMITS TO DETAILS PREPARED BY THE STRUCTURAL ENGINEER. WALLS FORMING THE ON SITE DETENTION SYSTEM SHALL BE OF MASONARY/BRICK CONSTRUCTION AND SHALL BE WATER TIGHT.
- 16. ALL SUB-SOIL DRAINAGE SHALL BE A MINIMUM OF Ø65mm AND SHALL BE PROVIDED WITH A FILTER SOCK. THE SUBSOIL DRAINAGE SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS TO BE PROVIDED BY THE LANDSCAPE ARCHITECT.
- 17. PRIOR TO COMMENCING ANY WORKS ON THE SITE, THE BUILDER SHALL ENSURE THAT THE INVERT LEVELS OF WHERE THE SITES STORMWATER SYSTEM CONNECTS INTO THE COUNCIL'S KERB/DRAINAGE SYSTEM MATCHES THE DESIGN LEVELS. ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER IMMEDIATELY.



MUSIC MODEL AND RESULTS

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Α	ISSUED FOR DEVELOPMENT APPROVAL GB	29/11/2024	contained in these drawings and related designs and specifications be	Steve Arraj	29-11-2024			P.O. Box 2555 North Parramatta NSW 1750		
P1	PRELIMINARY ISSUE GB	30/10/2024	used (in any way whatsoever) except in accordance with the agreement	<u> Pteve Flvraj</u>			MANCE ARRAJ	Ph. 02 8897 8800 www.maengineers.com.au	GEORGES HALL	
SUIE	DESCRIPTION	DATE	between Mance Arrai Engineering Ptv Ltd and the client.	STEVE ARRAJ B.E.(Civil)		,		This of coor coor www.machgmoore.com.aa	'	

CONCEPT STORMWATER LAYOUT DRAWING GROUND LEVEL AND SITE PLAN

DESIGNED	GB	PROJECT NUMBER	ISSUE
CHECKED	SA	7197-DA	Δ
DATUM	AHD	DRAWING NUMBER	, ,
SCALE	1:200	SW010	A1

